

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090319\
 Data File : VX012039.D
 Acq On : 03 Sep 2019 23:10
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 9/4/2019 4:46:08 PM

Quant Time: Sep 04 05:28:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	127598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	242517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	94296	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	5.48	113	76296	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	8.71	98	288298	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
62) 4-Bromofluorobenzene	11.14	95	123330	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57685	49.024	ug/l	97
3) Chloromethane	1.31	50	65460	54.321	ug/l	100
4) Vinyl Chloride	1.39	62	60998	53.802	ug/l	97
5) Bromomethane	1.62	94	34310	61.004	ug/l	100
6) Chloroethane	1.71	64	39051	55.406	ug/l	97
7) Trichlorofluoromethane	1.92	101	90066	51.146	ug/l	96
8) Diethyl Ether	2.17	74	34196	56.194	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65191	49.982	ug/l #	84
10) Methyl Iodide	2.50	142	48531	38.603	ug/l	94
11) Tert butyl alcohol	3.03	59	41018	242.558	ug/l	95
12) 1,1-Dichloroethene	2.36	96	66140	52.641	ug/l	91
13) Acrolein	2.28	56	8795	201.423	ug/l	98
14) Allyl chloride	2.72	41	123019	54.110	ug/l	98
15) Acrylonitrile	3.13	53	99348	259.806	ug/l	99
16) Acetone	2.43	43	90320	214.628	ug/l	99
17) Carbon Disulfide	2.56	76	206189	56.152	ug/l	100
18) Methyl Acetate	2.76	43	61304	61.839	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	222386	54.367	ug/l	99
20) Methylene Chloride	2.84	84	85201	50.419	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	80202	54.396	ug/l	93
22) Diisopropyl ether	3.84	45	253163	54.632	ug/l	96
23) Vinyl Acetate	3.80	43	769788	256.796	ug/l	98
24) 1,1-Dichloroethane	3.68	63	144489	53.762	ug/l	98
25) 2-Butanone	4.65	43	135305	252.589	ug/l	99
26) 2,2-Dichloropropane	4.57	77	114596	46.184	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93326	53.998	ug/l	94
28) Bromochloromethane	5.00	49	53604	49.966	ug/l	81
29) Tetrahydrofuran	5.11	42	85989	266.432	ug/l	99
30) Chloroform	5.19	83	155580	53.949	ug/l	97
31) Cyclohexane	5.57	56	108677	50.349	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	134948	53.729	ug/l	98
36) 1,1-Dichloropropene	5.79	75	107076	50.130	ug/l	96
37) Ethyl Acetate	4.82	43	58834	50.653	ug/l	98
38) Carbon Tetrachloride	5.77	117	113746	50.537	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	119156	48.065	ug/l	95
40) Benzene	6.13	78	325188	53.032	ug/l	99
41) Methacrylonitrile	5.02	41	36195	52.254	ug/l	99
42) 1,2-Dichloroethane	6.18	62	117805	53.386	ug/l	97
43) Isopropyl Acetate	6.43	43	122426	51.837	ug/l	99
44) Trichloroethene	7.20	130	85973	51.982	ug/l	83
45) 1,2-Dichloropropane	7.51	63	83165	52.494	ug/l	98
46) Dibromomethane	7.65	93	48472	52.411	ug/l #	74
47) Bromodichloromethane	7.89	83	124125	52.801	ug/l	98
48) Methyl methacrylate	7.76	41	62263	52.432	ug/l	96
49) 1,4-Dioxane	7.73	88	15671	968.046	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	308914	257.155	ug/l	99
52) Toluene	8.78	92	210336	52.719	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	122149	50.189	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	138039	51.004	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	66380	50.204	ug/l	96
56) Ethyl methacrylate	9.17	69	98897	52.218	ug/l	97
57) 1,3-Dichloropropane	9.37	76	119179	52.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	214748	251.508	ug/l	94
59) 2-Hexanone	9.48	43	217801	248.477	ug/l	99
60) Dibromochloromethane	9.57	129	83052	52.704	ug/l	99
61) 1,2-Dibromoethane	9.67	107	67390	52.746	ug/l	97
64) Tetrachloroethene	9.33	164	76461	55.273	ug/l #	87
65) Chlorobenzene	10.14	112	226166	51.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	84218	52.610	ug/l	97
67) Ethyl Benzene	10.25	91	410416	51.429	ug/l	96
68) m/p-Xylenes	10.36	106	301009	102.376	ug/l	91
69) o-Xylene	10.70	106	148004	51.911	ug/l	90
70) Styrene	10.71	104	258534	52.206	ug/l	95
71) Bromoform	10.85	173	45724	52.004	ug/l #	97
73) Isopropylbenzene	11.01	105	397573	52.696	ug/l	97
74) N-amyl acetate	10.89	43	113639	50.944	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	80513	51.189	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	72149m	57.426	ug/l	
77) Bromobenzene	11.25	156	91396	54.165	ug/l	70
78) n-propylbenzene	11.35	91	474253	52.032	ug/l	94
79) 2-Chlorotoluene	11.42	91	287259	52.021	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	343669	51.980	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	24627	46.341	ug/l	95
82) 4-Chlorotoluene	11.51	91	344102	52.282	ug/l	91
83) tert-Butylbenzene	11.77	119	319535	50.706	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	355698	52.345	ug/l	93
85) sec-Butylbenzene	11.94	105	395919	50.583	ug/l	94
86) p-Isopropyltoluene	12.06	119	358252	50.328	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	176183	52.108	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	169813	50.229	ug/l	94
89) n-Butylbenzene	12.39	91	341444	49.379	ug/l	95
90) Hexachloroethane	12.59	117	69611	48.977	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	158036	51.898	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	16188	49.184	ug/l	67

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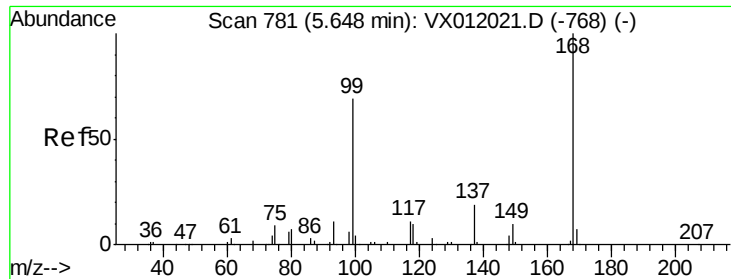
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	102784	47.422	ug/l	95
94) Hexachlorobutadiene	13.78	225	50944	46.628	ug/l	97
95) Naphthalene	13.83	128	232794	49.627	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	92266	48.387	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 127598

Ion Ratio Lower Upper

168 100

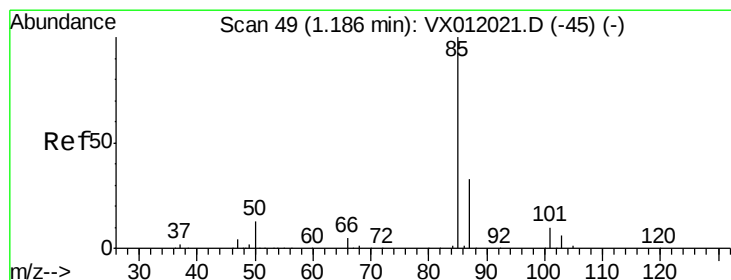
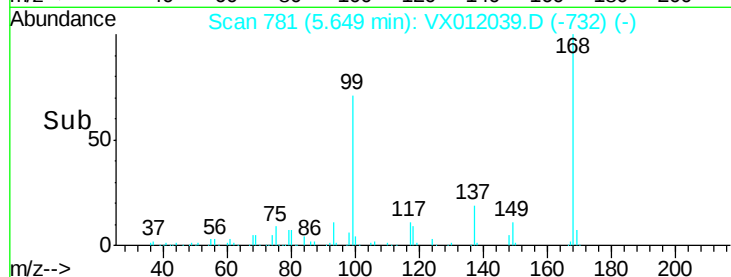
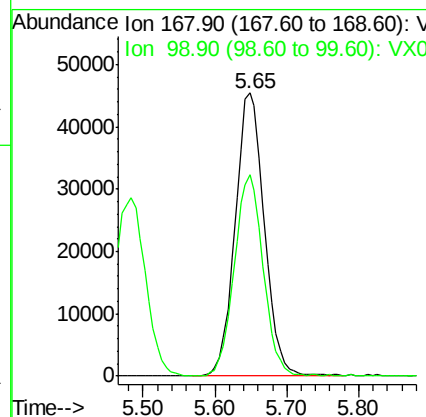
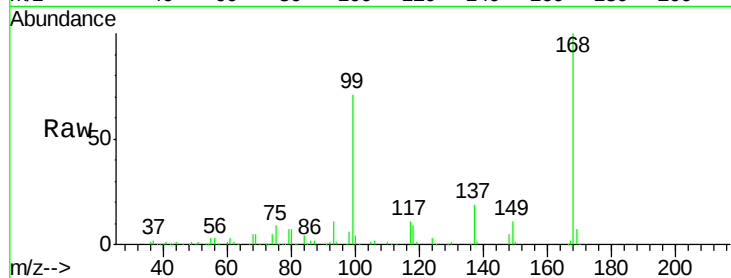
99 71.1 37.6 56.4#

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#2

Dichlorodifluoromethane

Concen: 49.024 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012039.D

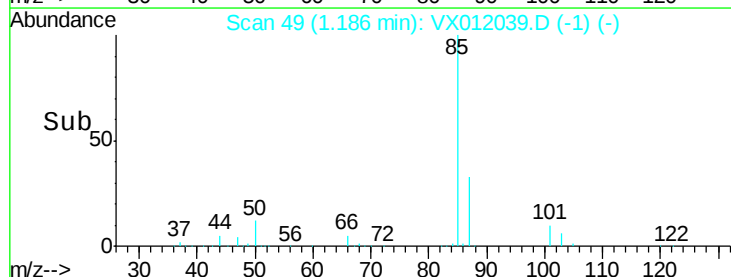
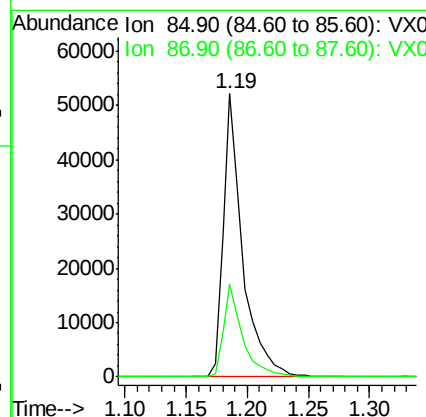
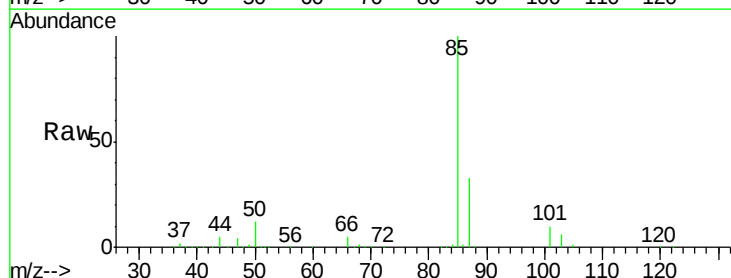
Acq: 03 Sep 2019 23:10

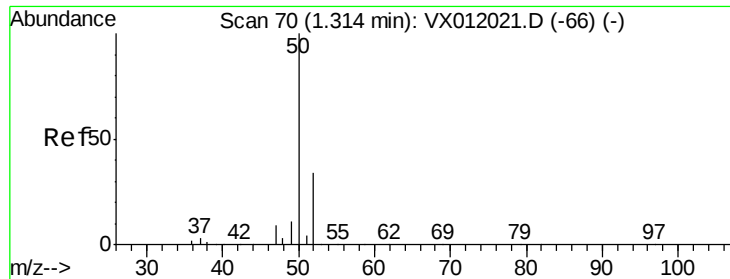
Tgt Ion: 85 Resp: 57685

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.8





#3

Chloromethane

Concen: 54.321 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 65460

Ion Ratio Lower Upper

50 100

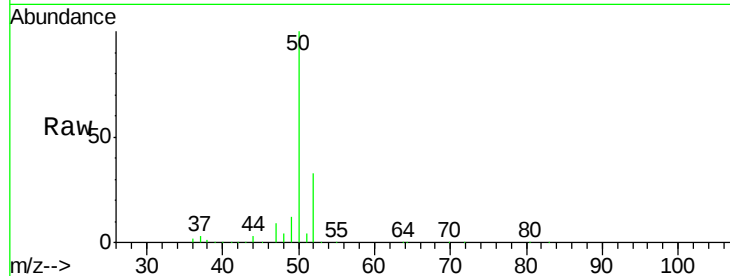
52 33.1 26.5 39.7

Manual Integrations

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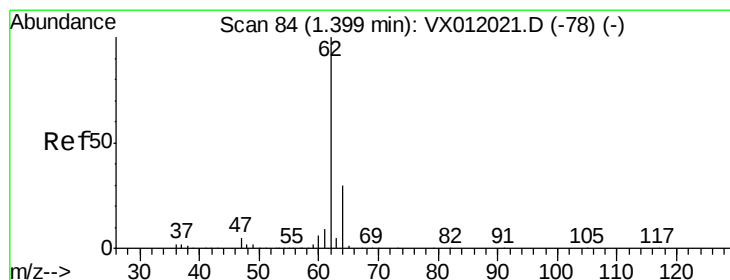
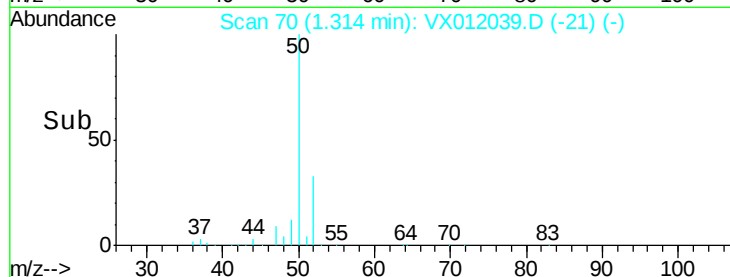
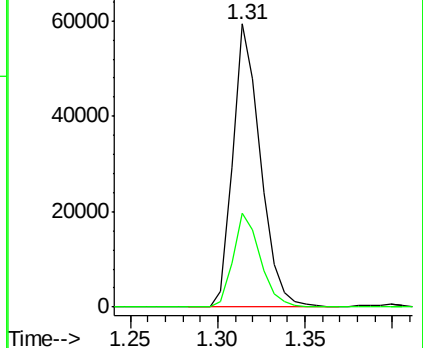
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.802 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012039.D

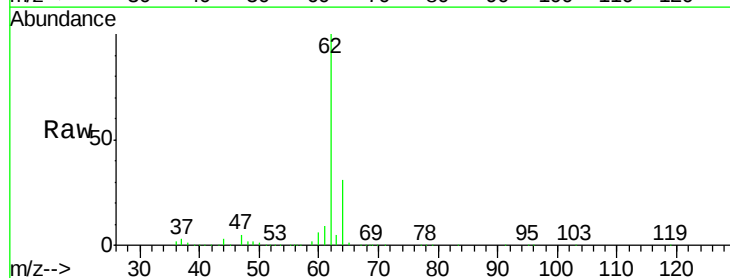
Acq: 03 Sep 2019 23:10

Tgt Ion: 62 Resp: 60998

Ion Ratio Lower Upper

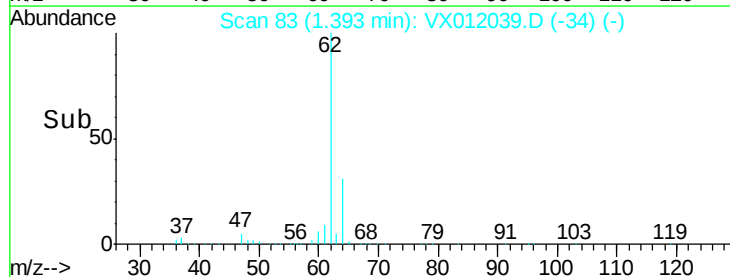
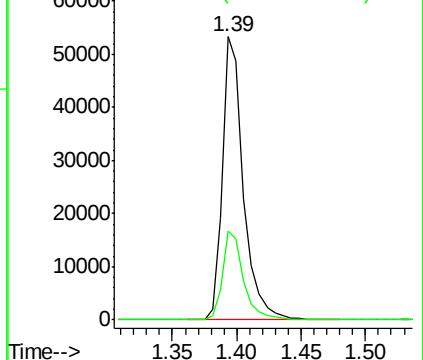
62 100

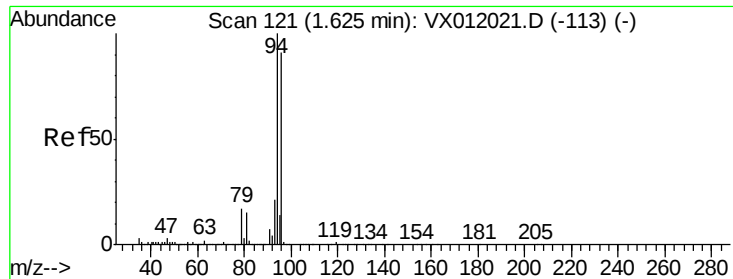
64 31.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 61.004 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 34310

Ion Ratio Lower Upper

94 100

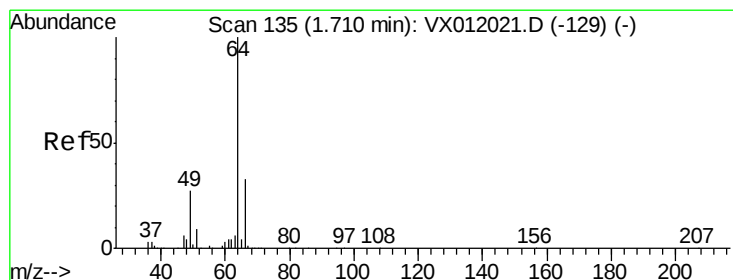
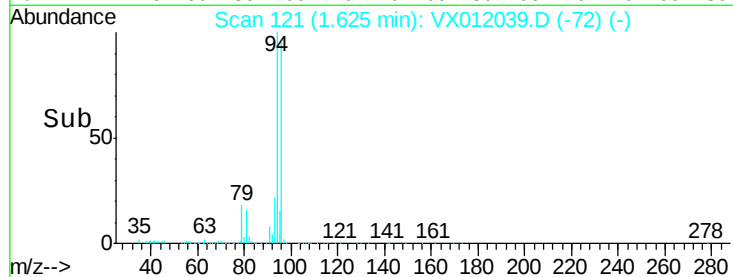
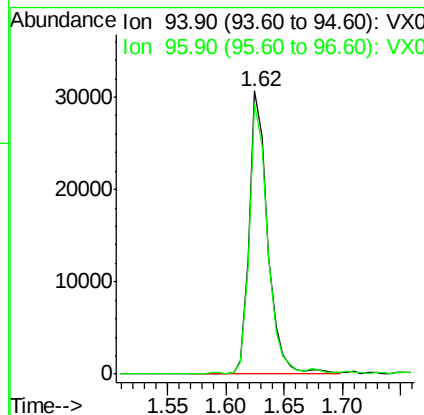
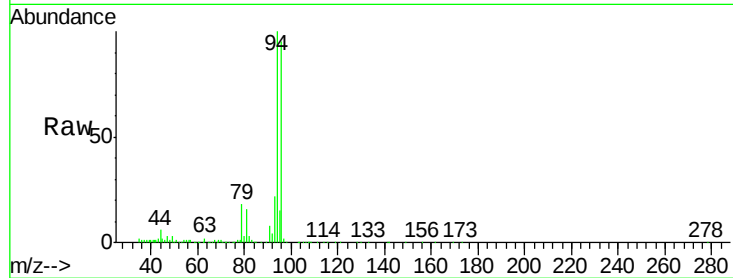
96 95.1 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 55.406 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012039.D

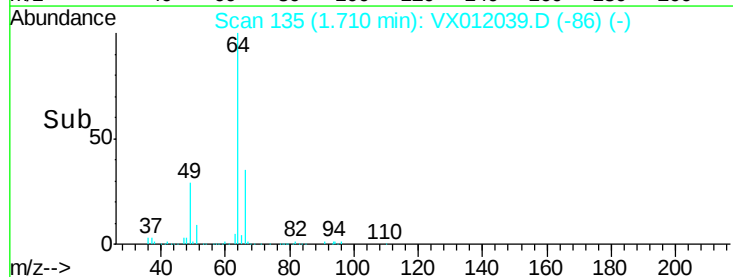
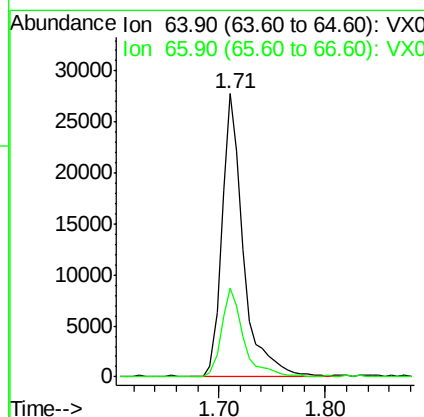
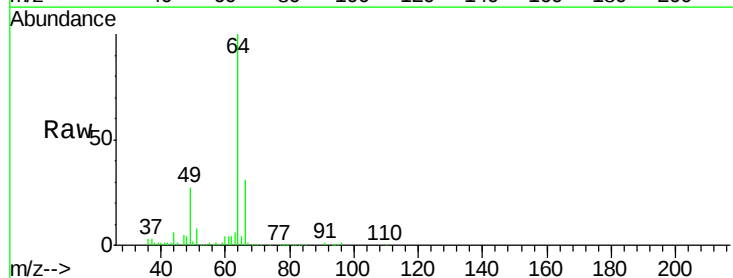
Acq: 03 Sep 2019 23:10

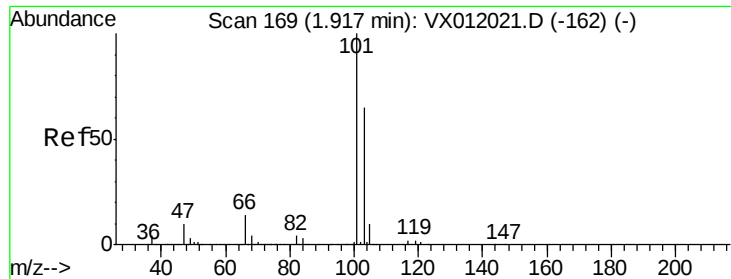
Tgt Ion: 64 Resp: 39051

Ion Ratio Lower Upper

64 100

66 31.0 26.3 39.5





#7

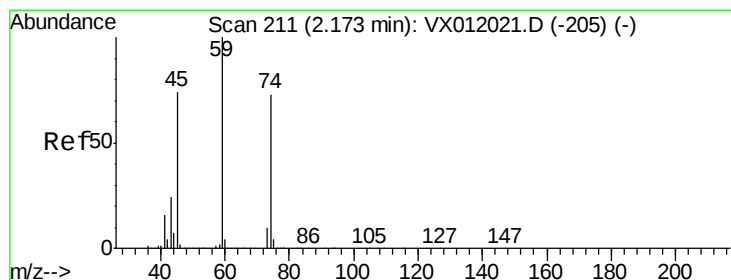
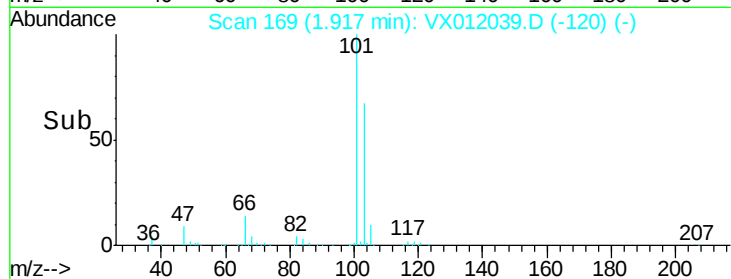
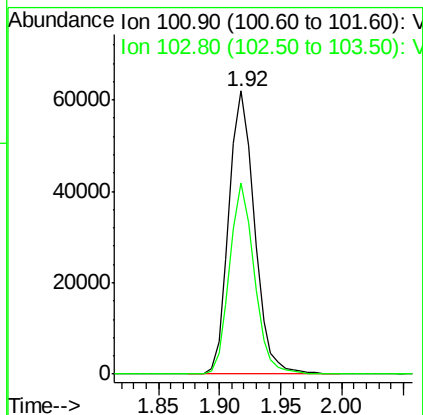
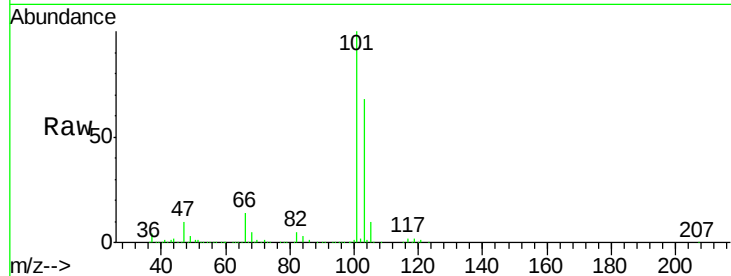
Trichlorofluoromethane
 Concen: 51.146 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.6	77.4

Manual Integrations
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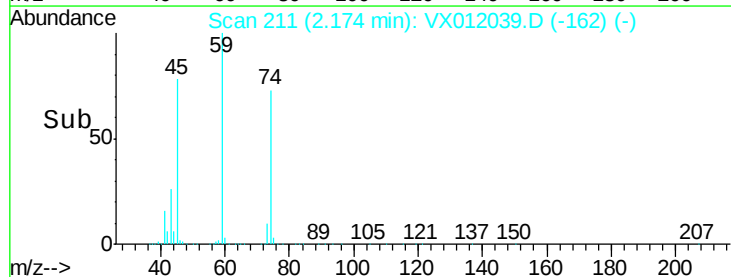
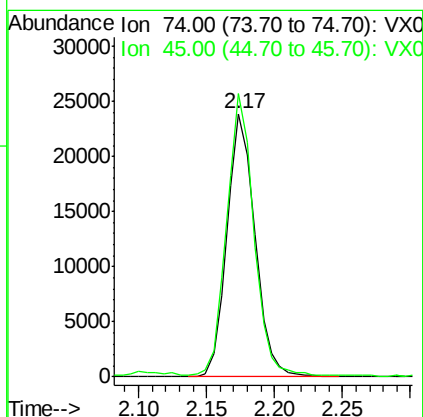
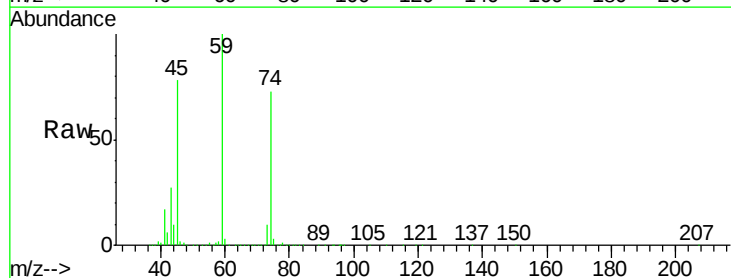
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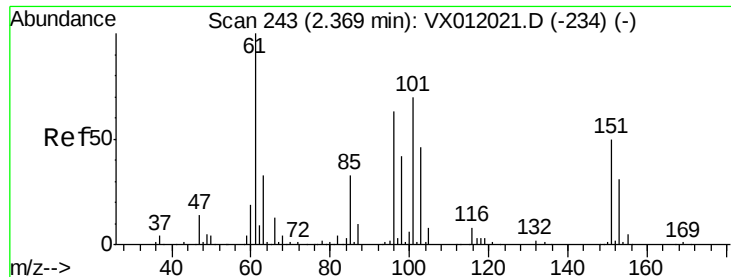


#8

Diethyl Ether
 Concen: 56.194 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.982 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

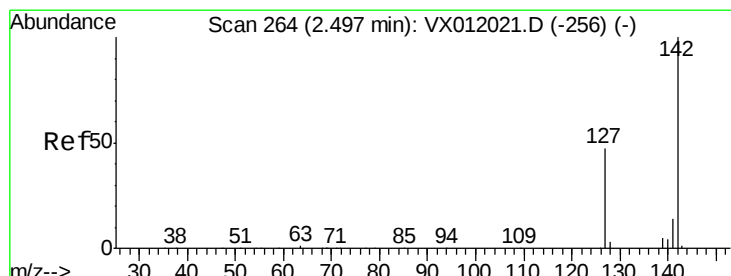
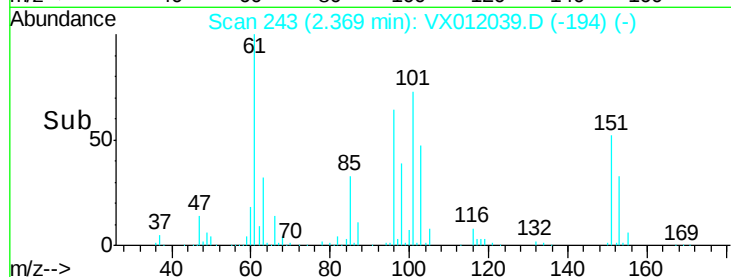
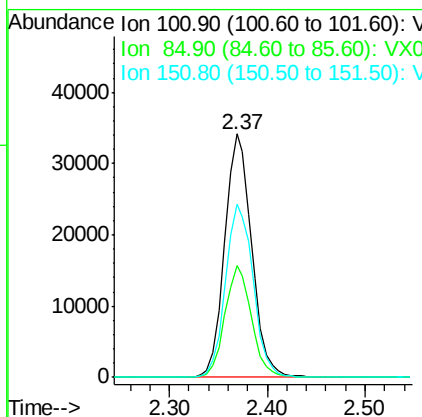
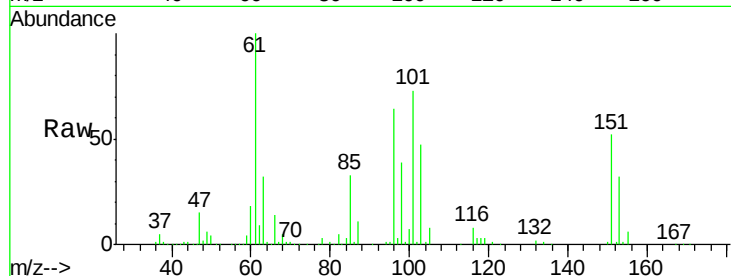
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	65191
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.5	51.7
151	72.9	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 38.603 ug/l

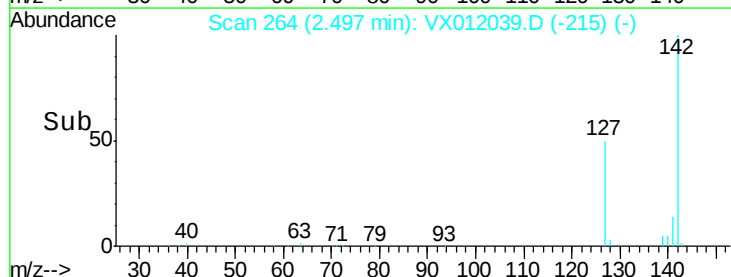
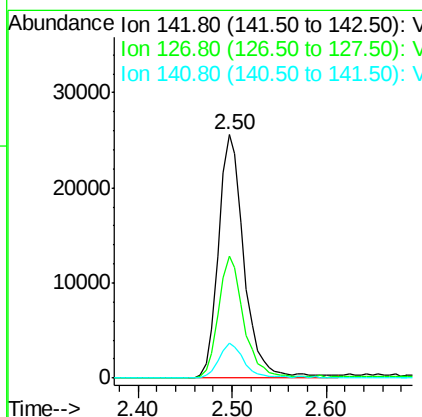
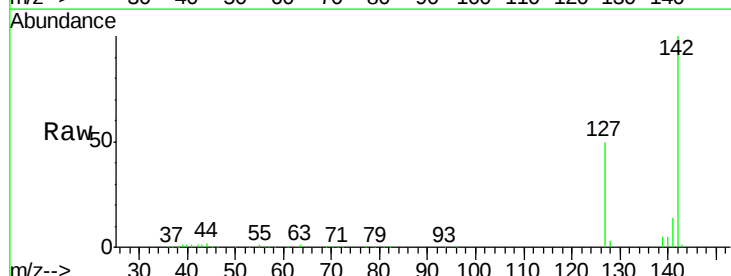
RT: 2.50 min Scan# 264

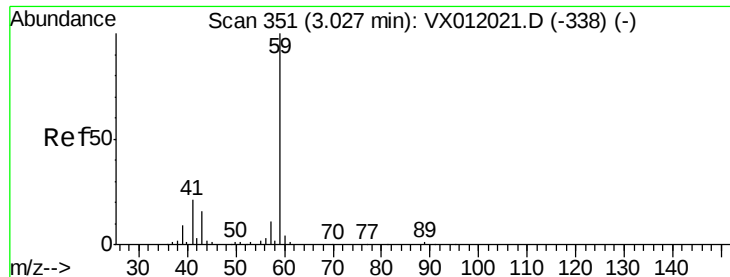
Delta R.T. 0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion:	142	Resp:	48531
Ion Ratio	Lower	Upper	
142	100		
127	49.3	35.4	53.2
141	14.1	11.4	17.2





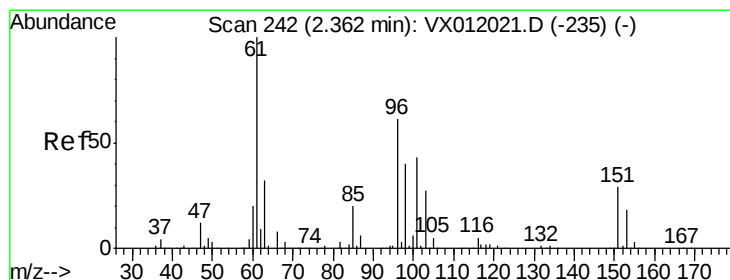
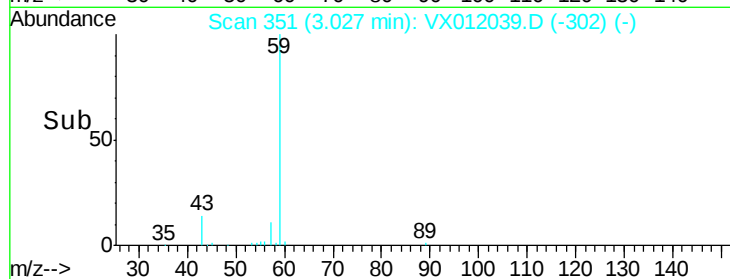
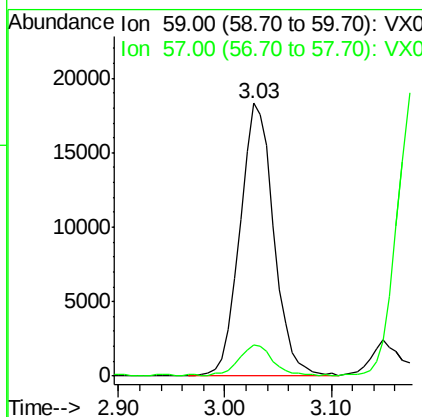
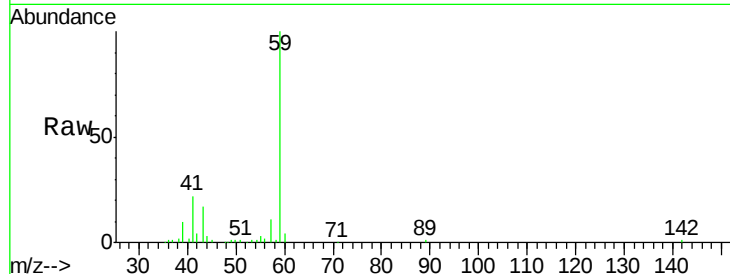
#11
Tert butyl alcohol
Concen: 242.558 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	41018
Ion Ratio	100	Lower	Upper
57	11.7	7.9	11.9

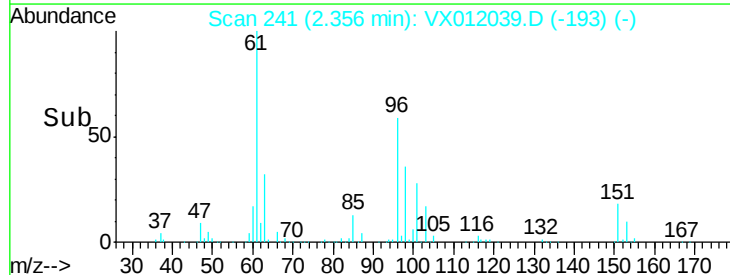
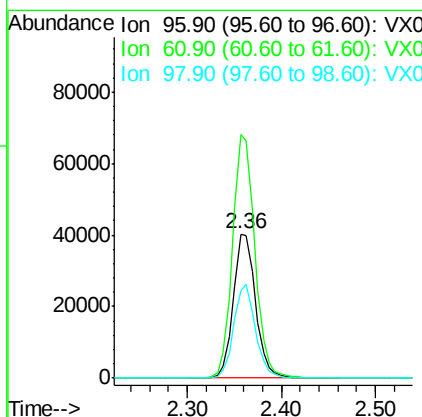
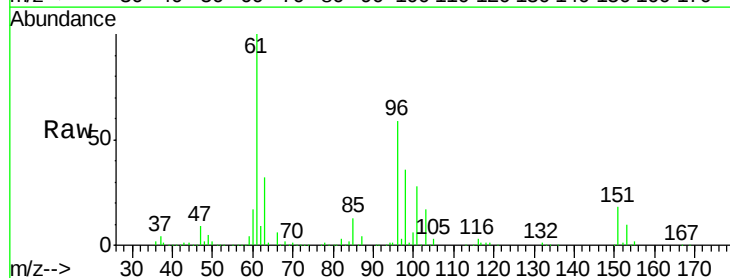
Manual Integrations
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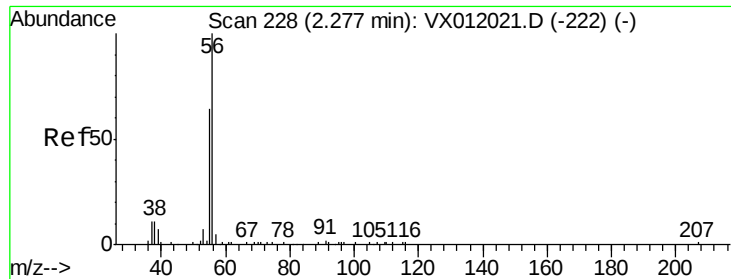
sam
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#12
1,1-Dichloroethene
Concen: 52.641 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	96	Resp	66140
Ion Ratio	100	Lower	Upper
61	169.2	124.1	186.1
98	60.5	50.2	75.2





#13

Acrolein

Concen: 201.423 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 8795

Ion Ratio Lower Upper

56 100

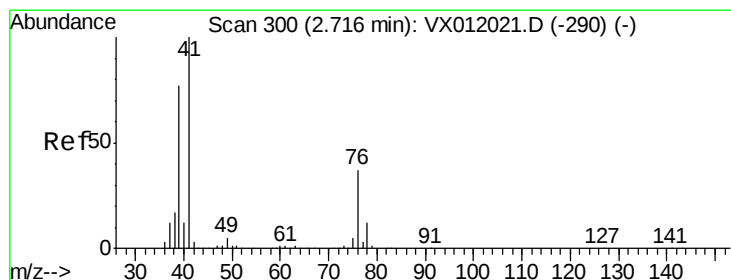
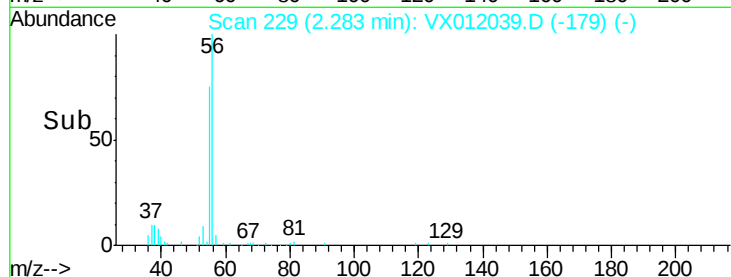
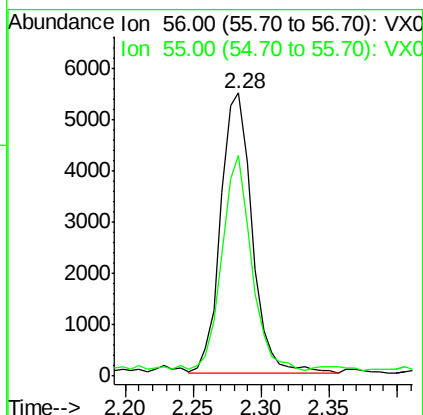
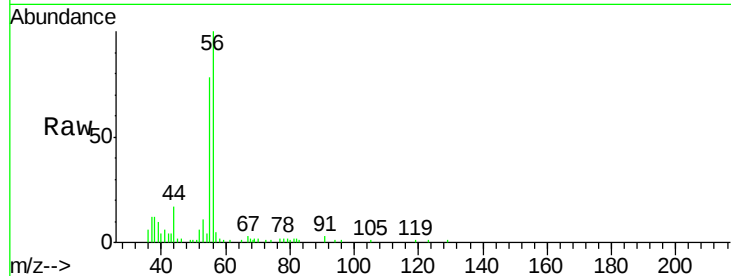
55 72.0 59.2 88.8

Manual Integrations

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#14

Allyl chloride

Concen: 54.110 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

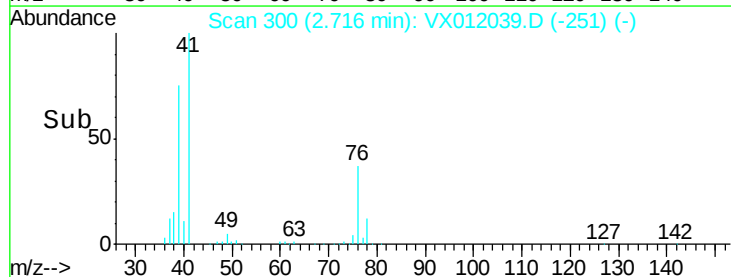
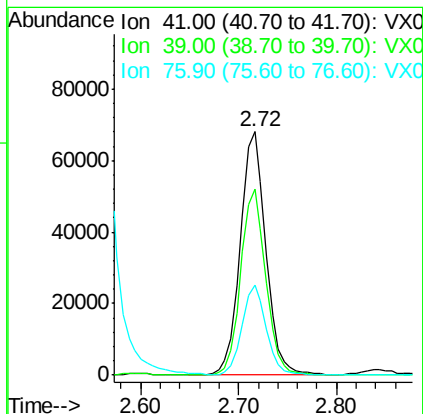
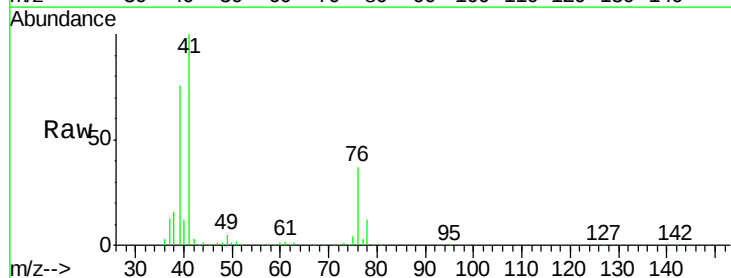
Tgt Ion: 41 Resp: 123019

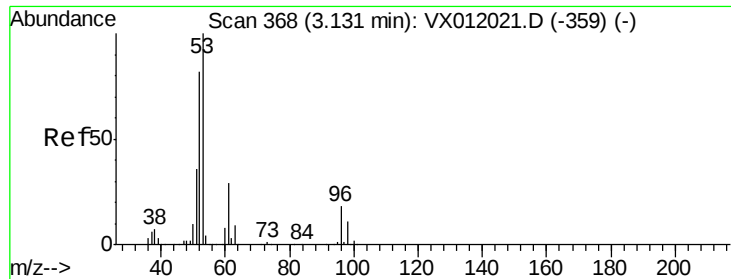
Ion Ratio Lower Upper

41 100

39 74.7 57.9 86.9

76 35.0 28.5 42.7





#15

Acrylonitrile

Concen: 259.806 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

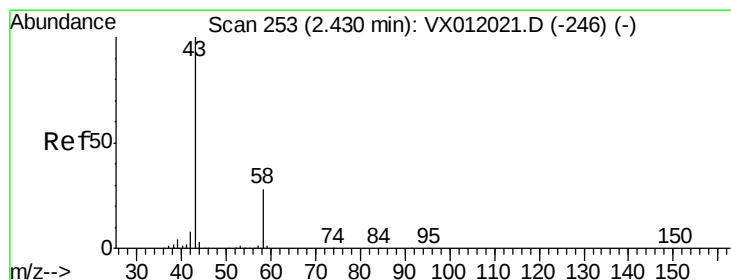
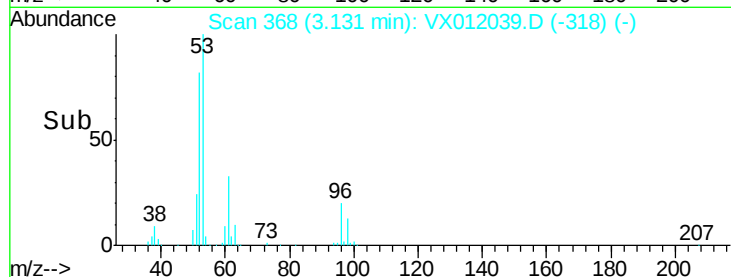
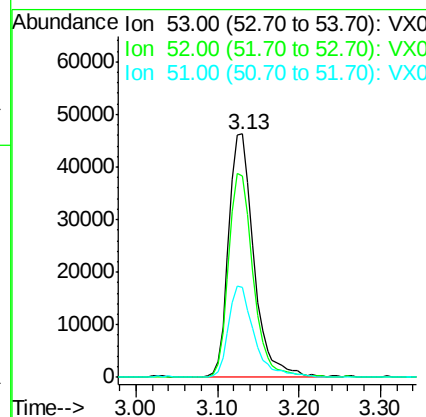
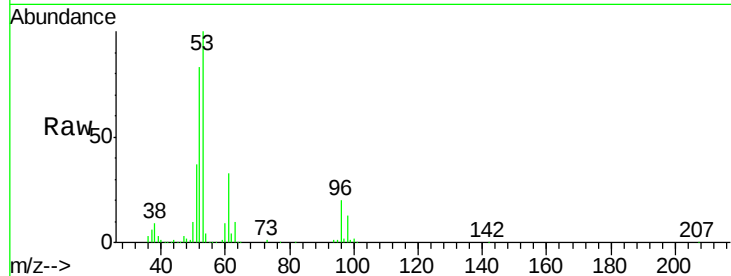
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	99348
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.6	98.4
51	38.1	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 214.628 ug/l

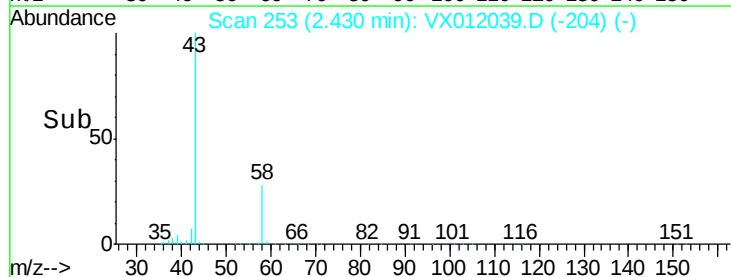
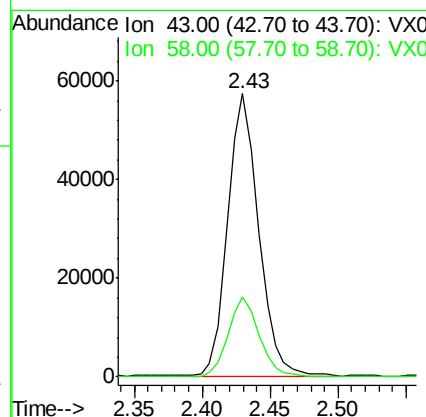
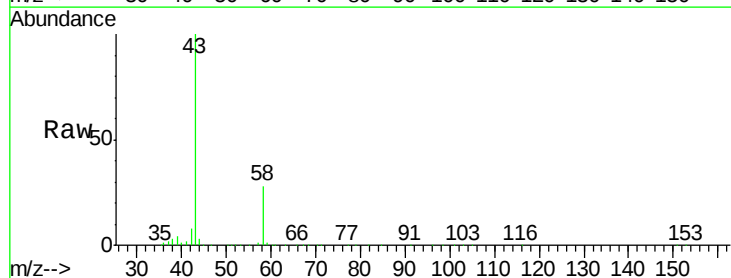
RT: 2.43 min Scan# 253

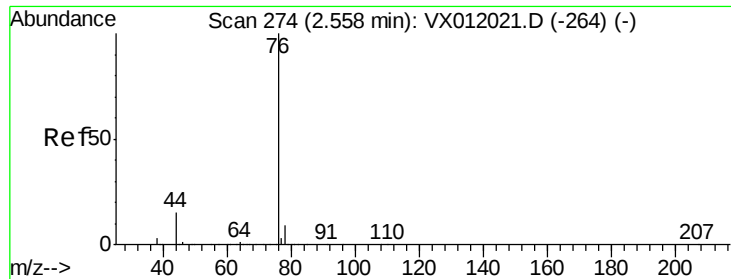
Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion:	43	Resp:	90320
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.8	34.2





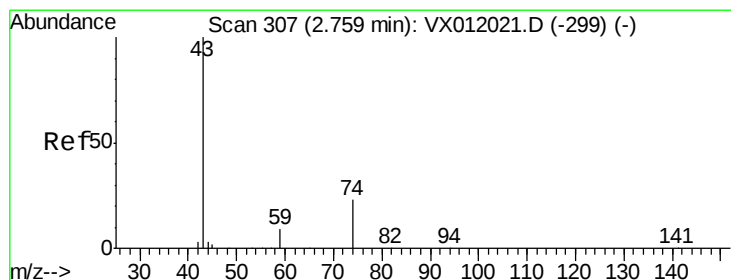
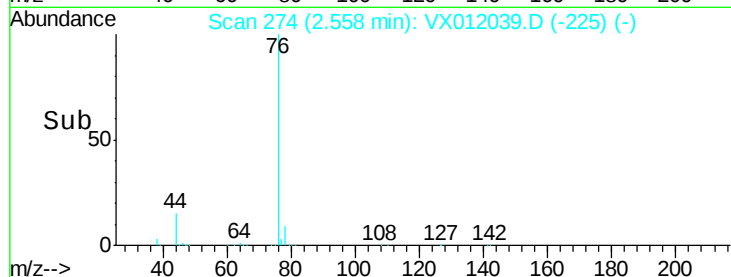
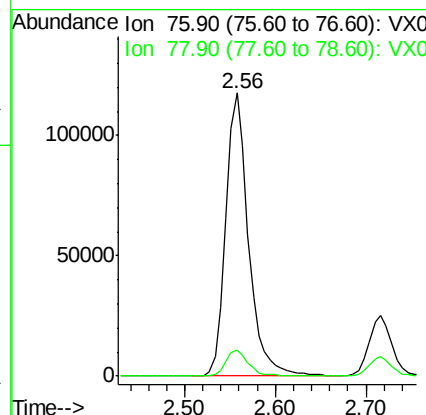
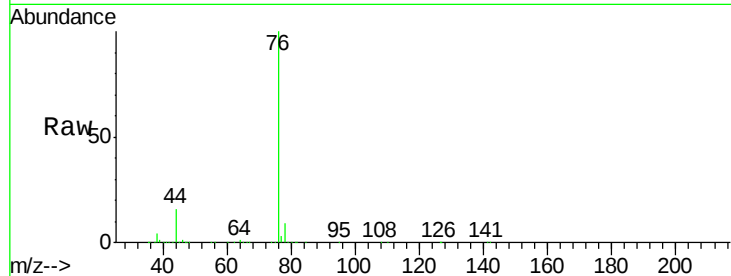
#17
Carbon Disulfide
Concen: 56.152 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	206189		
78	9.1		7.4	11.2

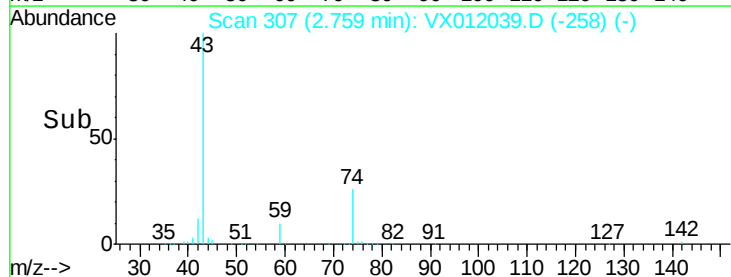
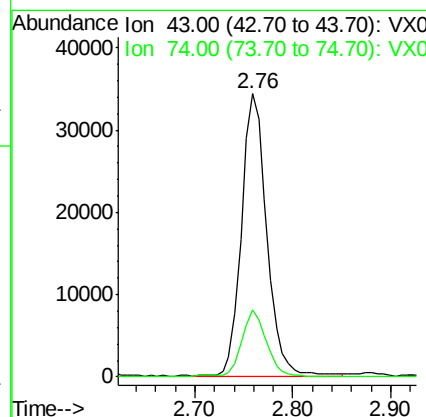
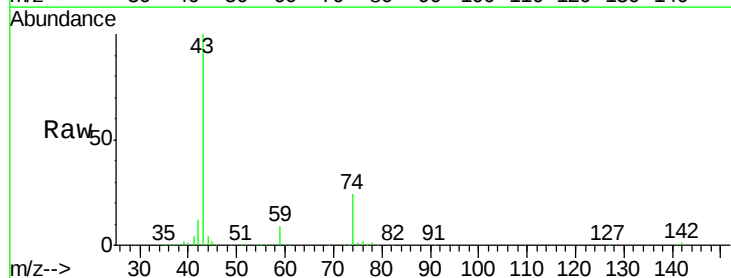
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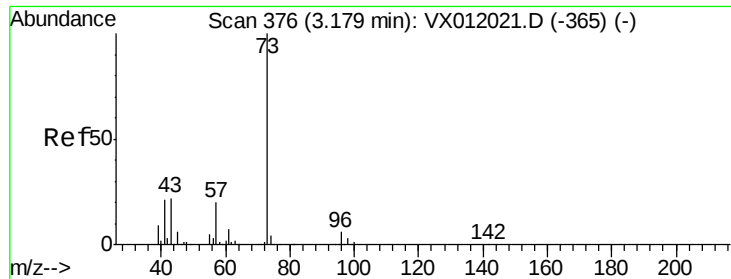
sam
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#18
Methyl Acetate
Concen: 61.839 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	61304		
74	23.9		19.5	29.3





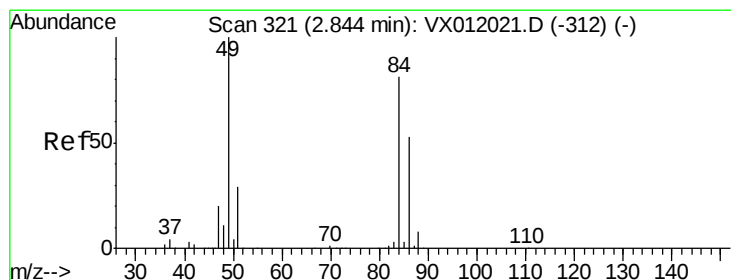
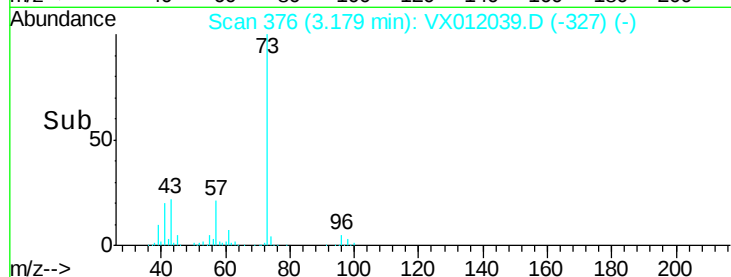
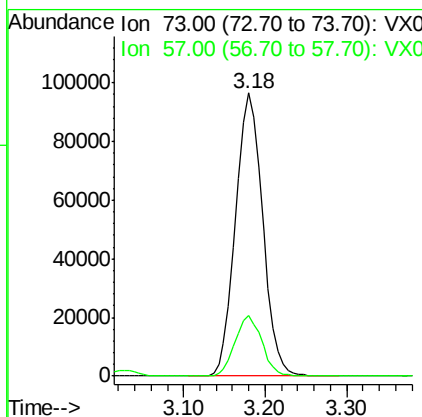
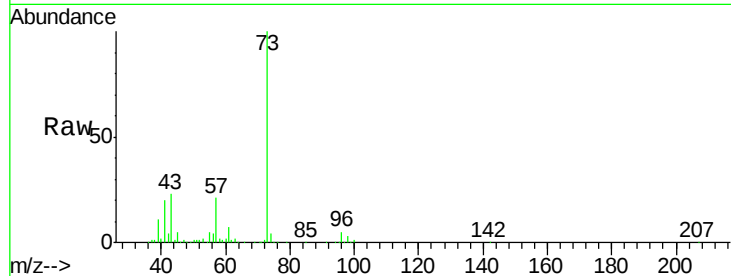
#19
Methvl tert-butvl Ether
Concen: 54.367 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.6	25.0

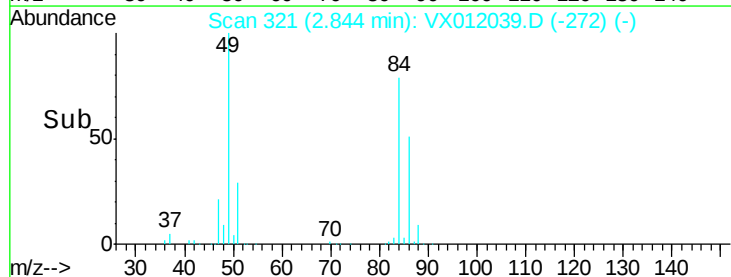
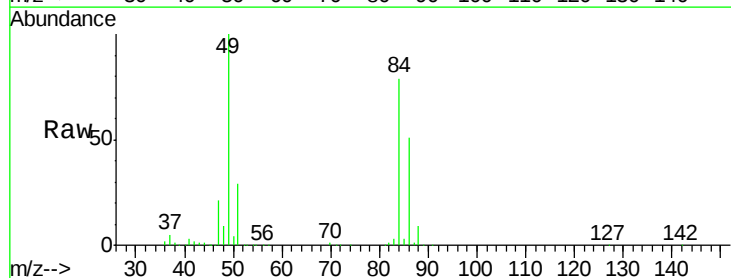
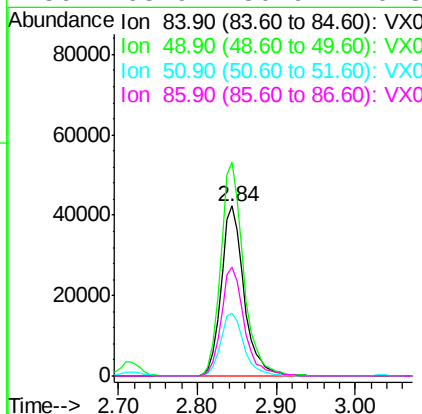
Manual Integrations
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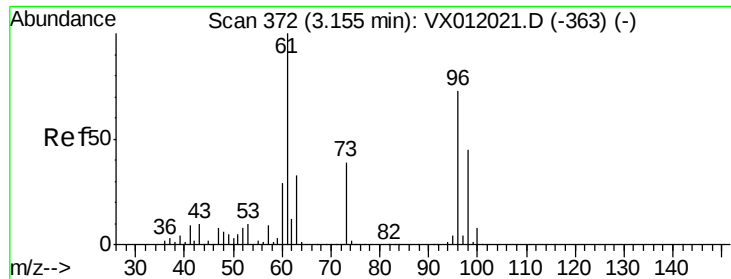
sam
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#20
Methylene Chloride
Concen: 50.419 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	95.8	143.8
51	36.8	28.6	43.0
86	63.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 54.396 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 80202

Ion Ratio Lower Upper

96 100

61 144.6 107.0 160.6

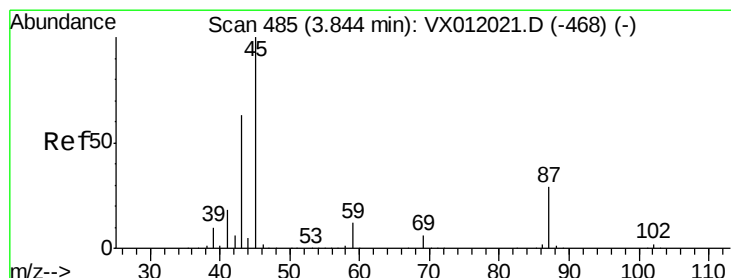
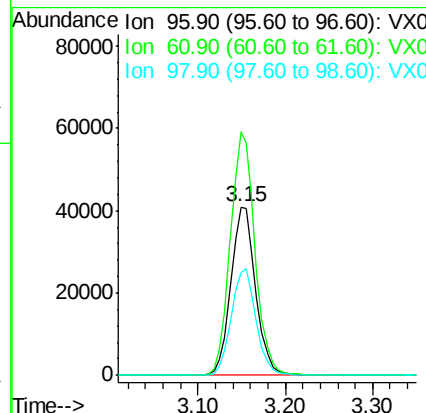
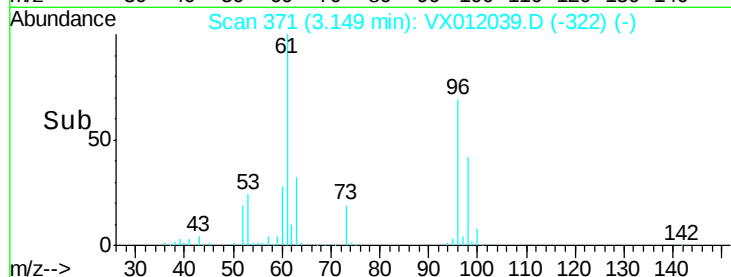
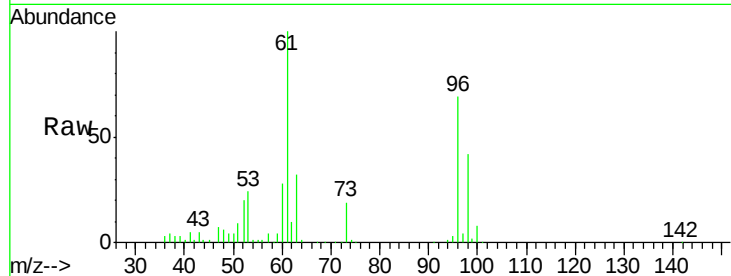
98 61.3 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 54.632 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion: 45 Resp: 253163

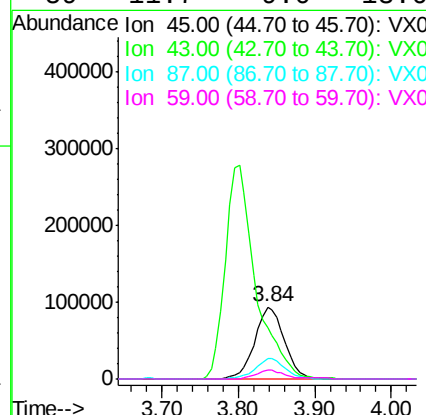
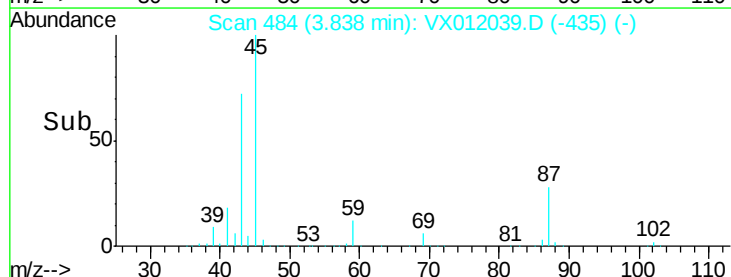
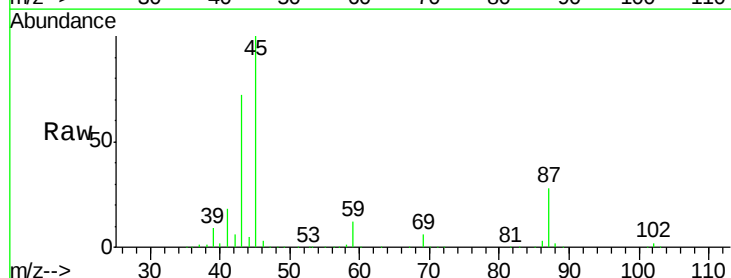
Ion Ratio Lower Upper

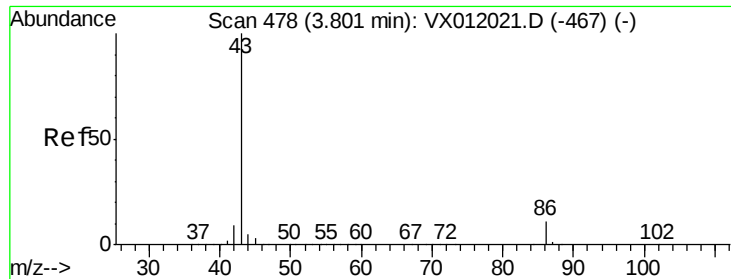
45 100

43 71.7 54.2 81.4

87 27.7 23.4 35.0

59 11.7 9.0 13.6





#23

Vinyl Acetate

Concen: 256.796 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 769788

Ion Ratio Lower Upper

43 100

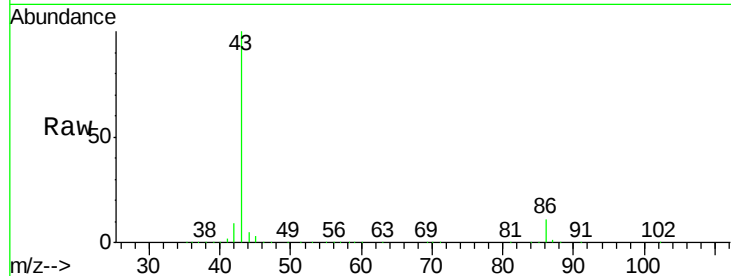
86 10.6 9.0 13.6

Manual Integrations

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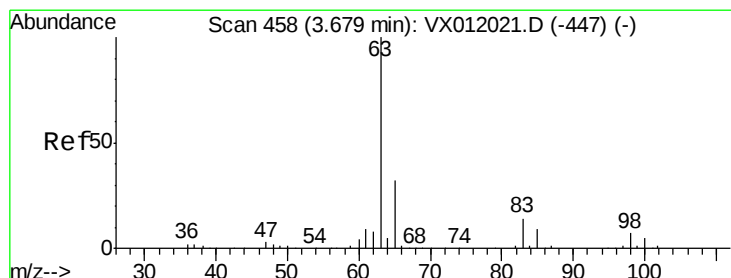
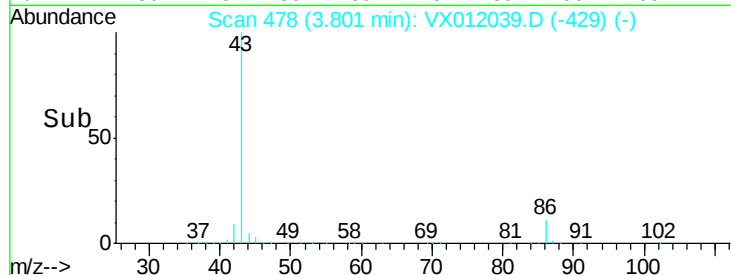
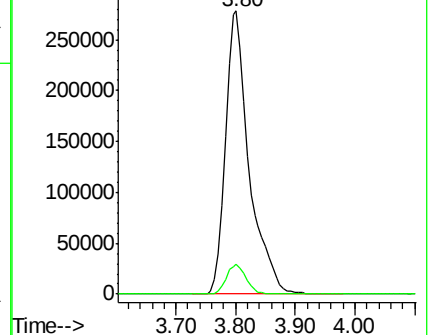
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 53.762 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

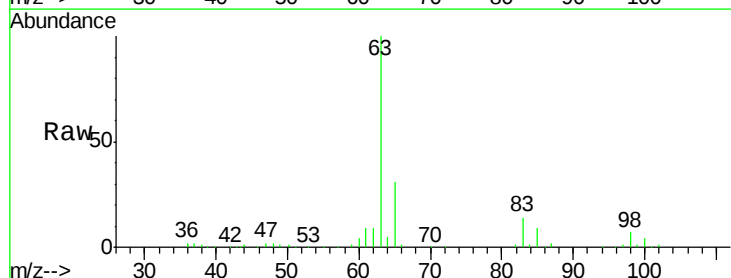
Tgt Ion: 63 Resp: 144489

Ion Ratio Lower Upper

63 100

98 6.7 3.9 11.7

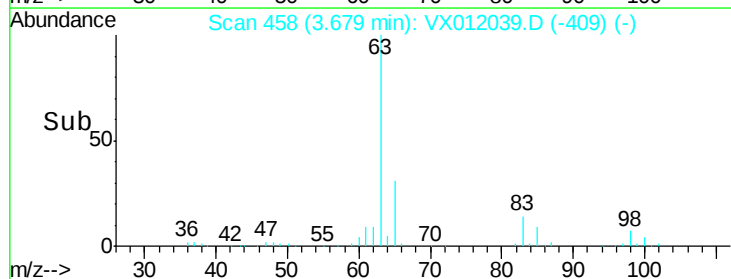
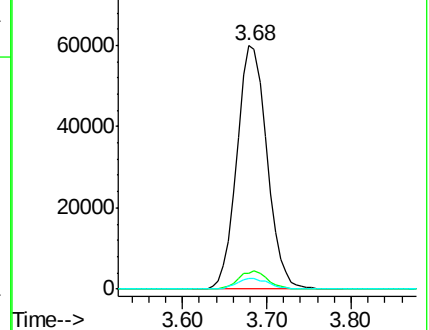
100 4.5 2.5 7.4

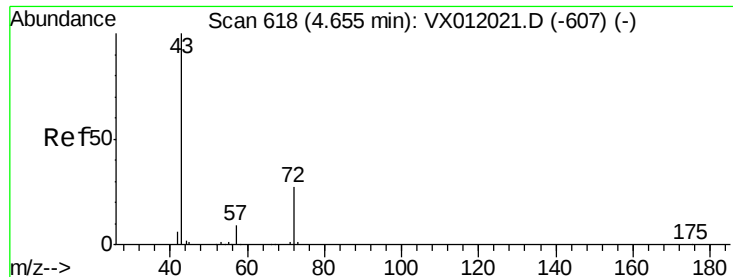


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 252.589 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 135305

Ion Ratio Lower Upper

43 100

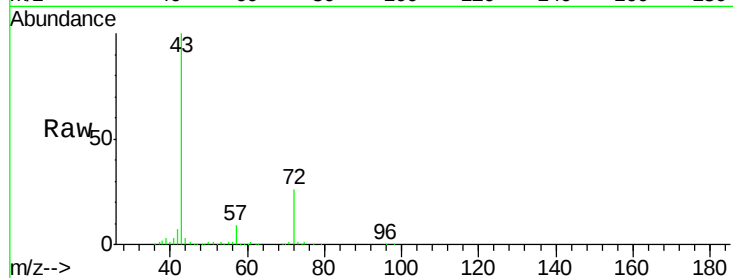
72 26.0 21.3 31.9

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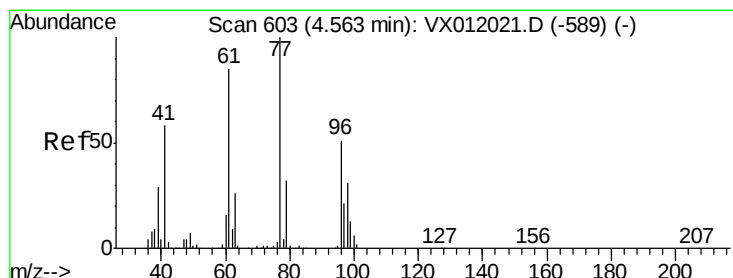
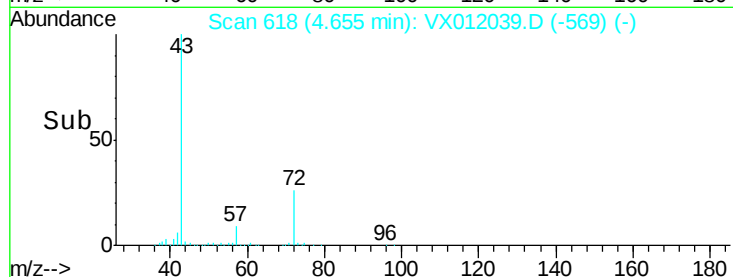
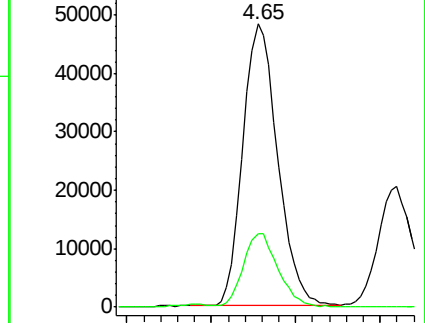
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.184 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012039.D

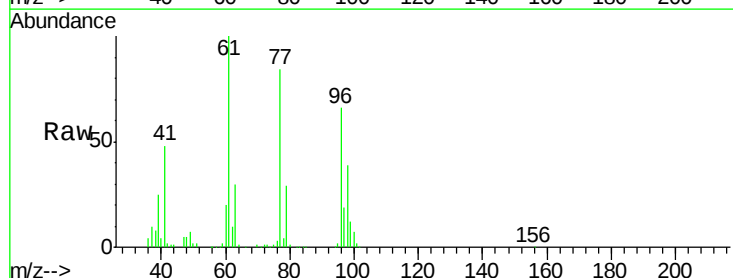
Acq: 03 Sep 2019 23:10

Tgt Ion: 77 Resp: 114596

Ion Ratio Lower Upper

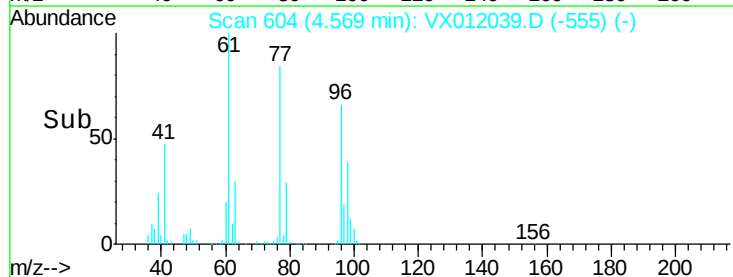
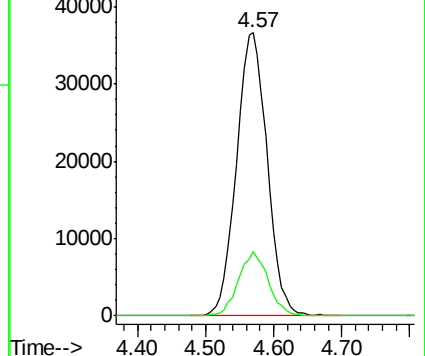
77 100

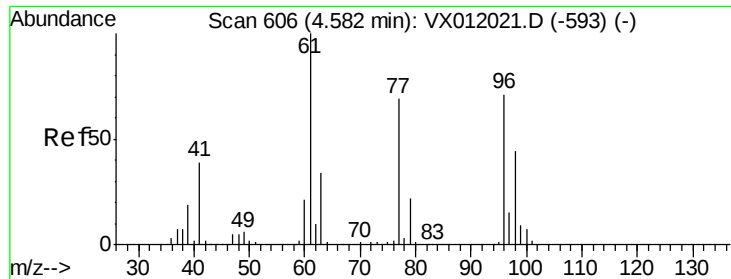
97 22.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

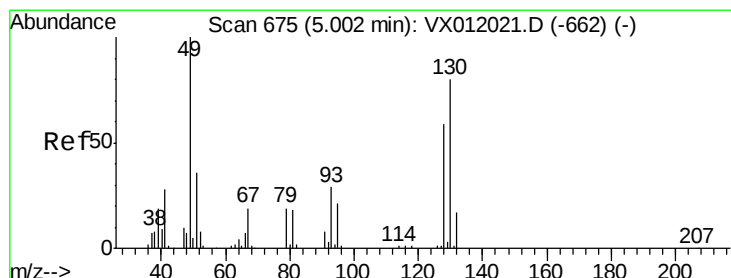
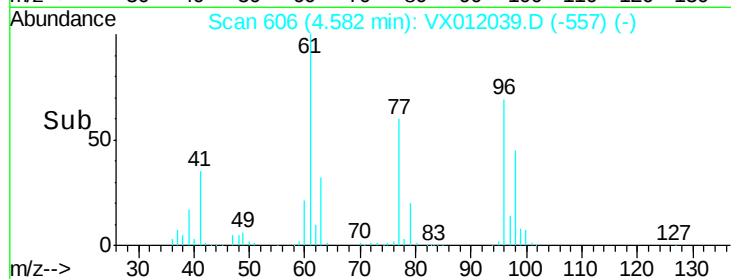
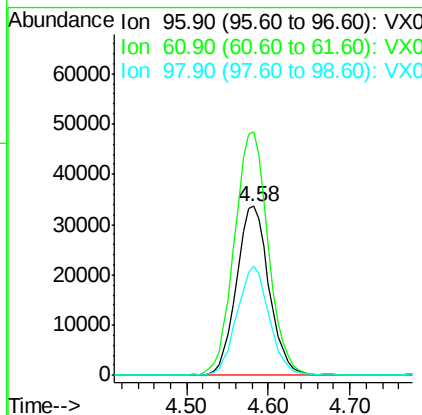
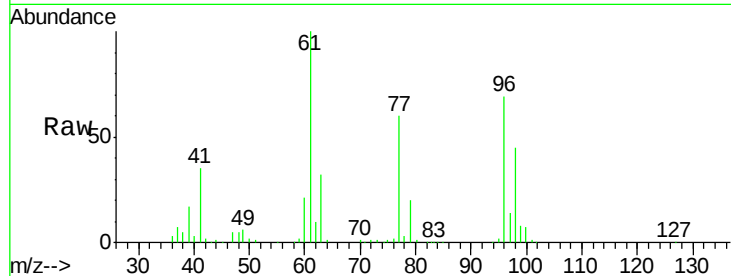
cis-1,2-Dichloroethene
 Concen: 53.998 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.4	0.0	277.0	
98	63.8	0.0	128.4	

Manual Integrations
 APPROVED

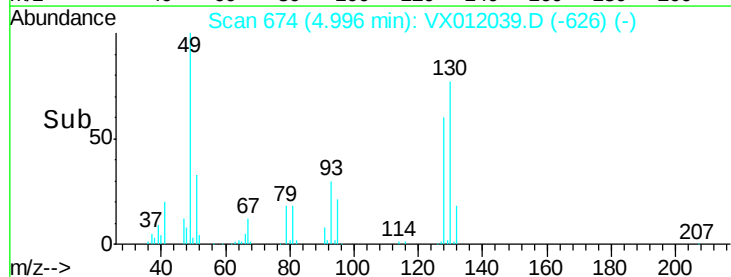
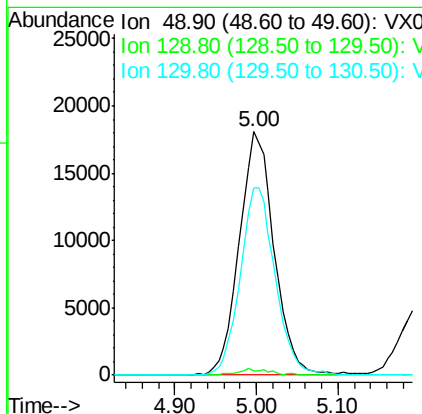
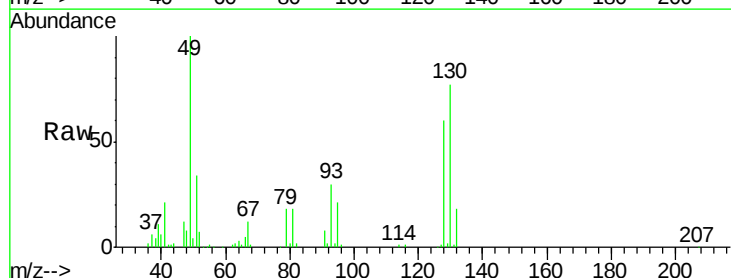
sam
 9/4/2019 4:46:08 PM

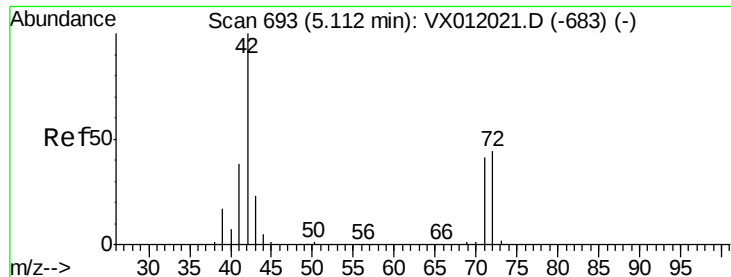


#28

Bromochloromethane
 Concen: 49.966 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	5.6	
130	77.3	76.7	115.1	





#29

Tetrahydrofuran

Concen: 266.432 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

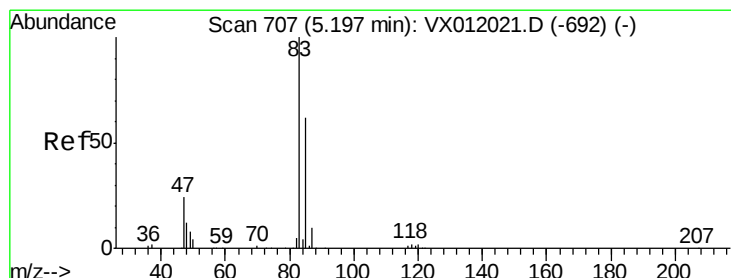
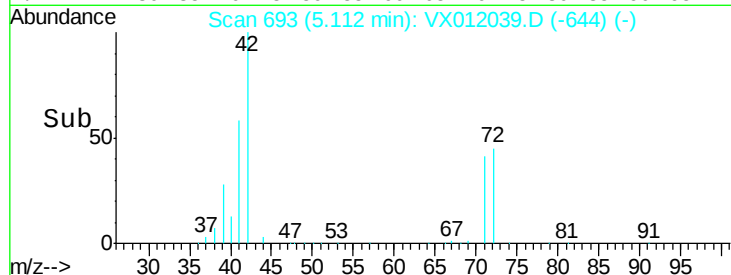
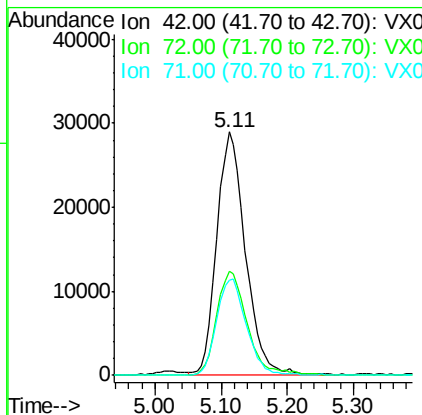
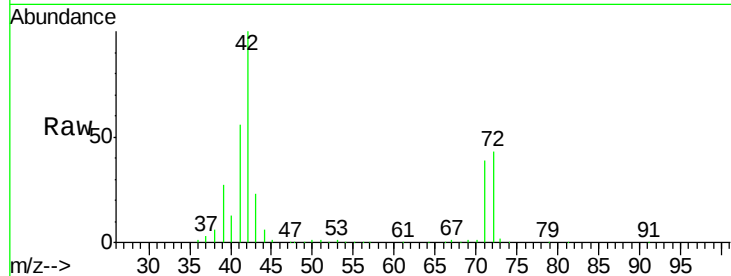
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	85989
Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.0	55.4
71	41.5	33.8	50.8

Manual Integrations
APPROVED

sam
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#30

Chloroform

Concen: 53.949 ug/l

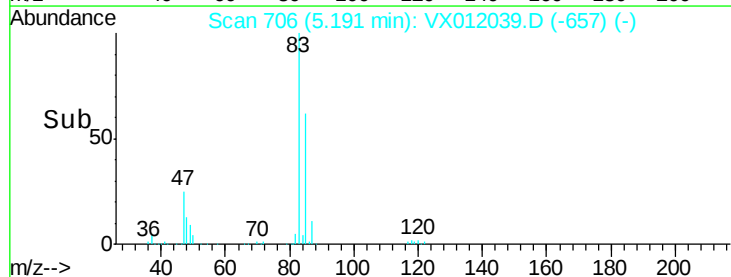
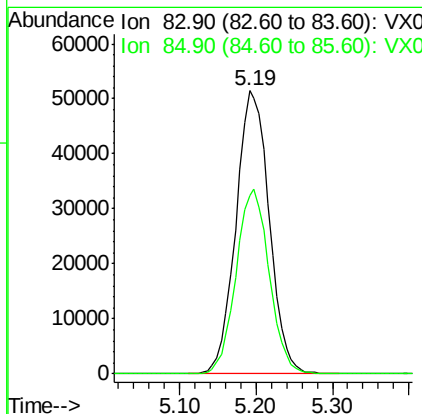
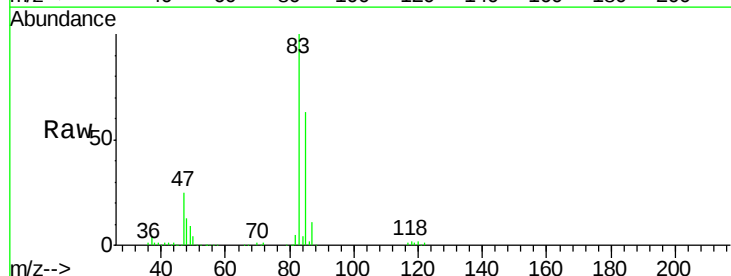
RT: 5.19 min Scan# 706

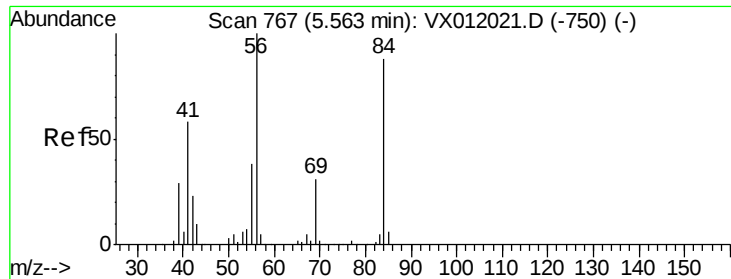
Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion:	83	Resp:	155580
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.6	78.8





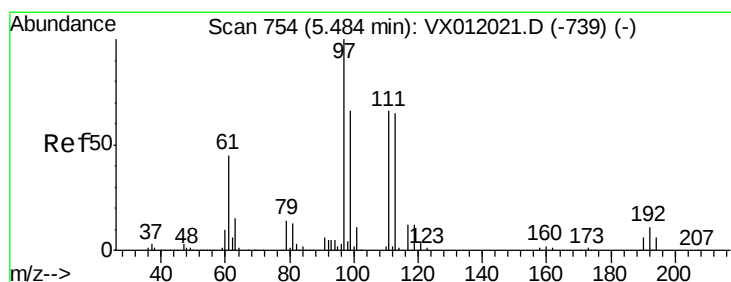
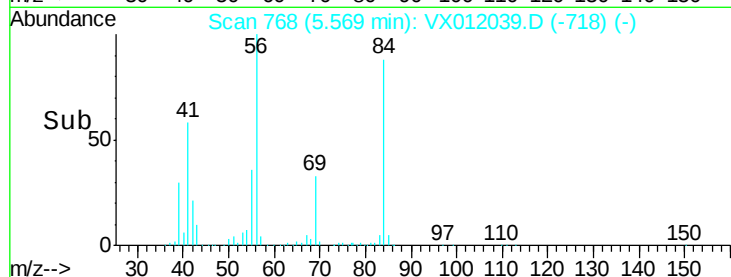
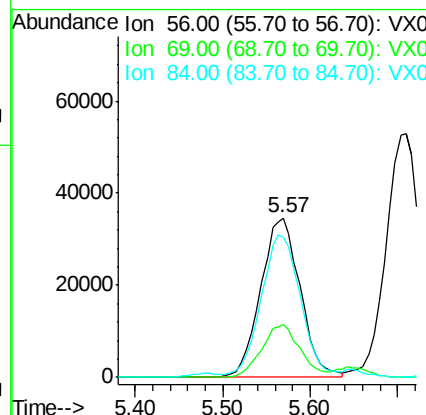
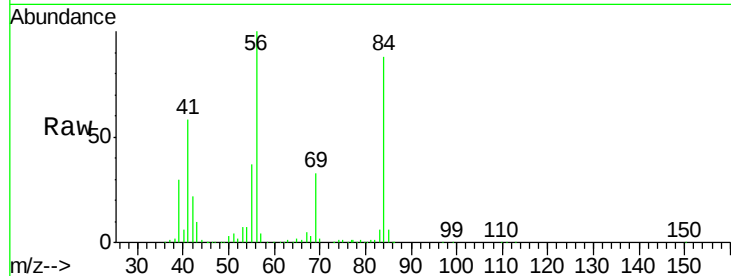
#31
Cyclohexane
Concen: 50.349 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.7	38.5
84	85.9	70.3	105.5

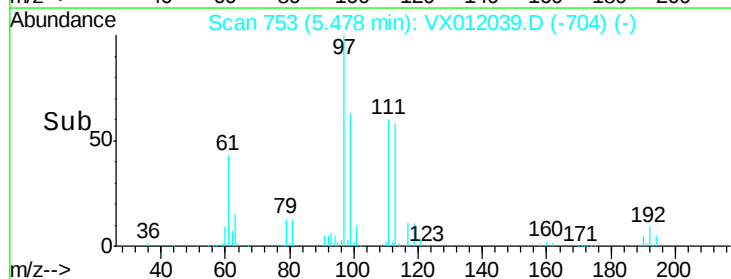
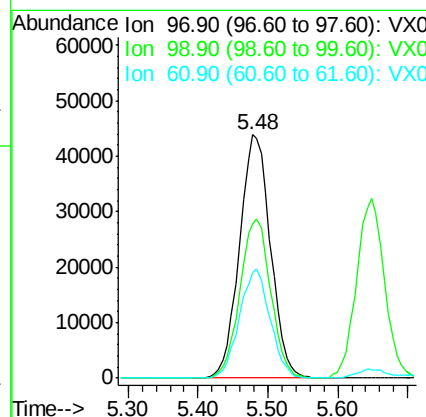
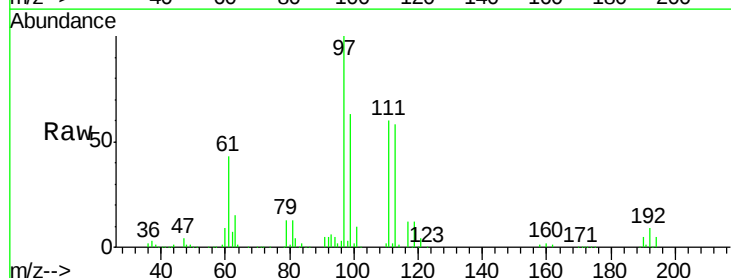
Manual Integrations
APPROVED

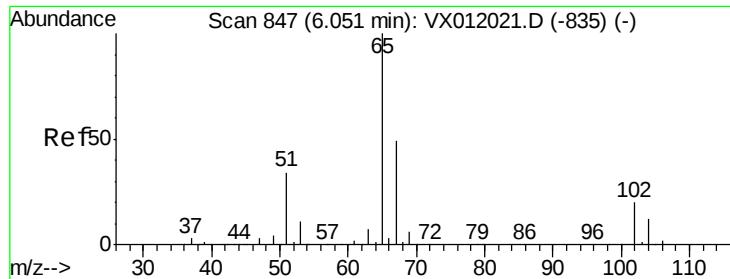
sam
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#32
1,1,1-Trichloroethane
Concen: 53.729 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.1	78.1
61	44.4	32.8	49.2





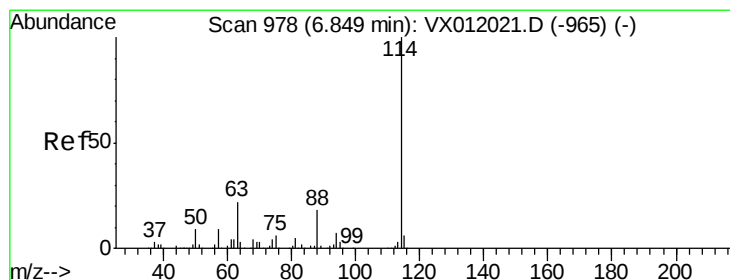
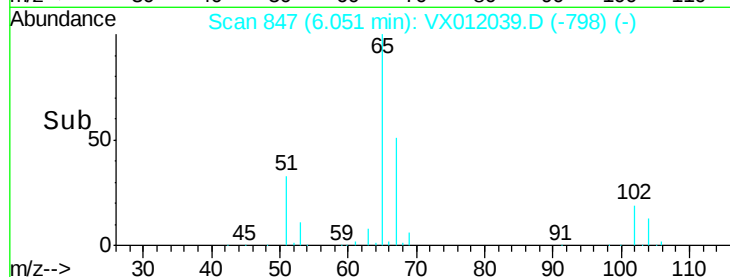
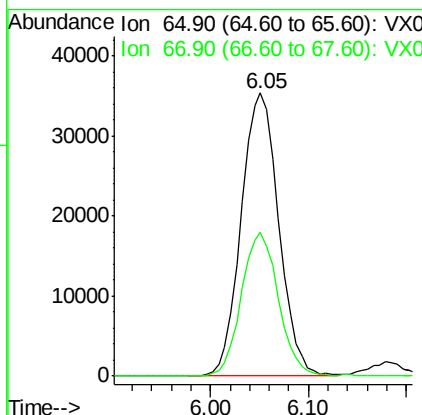
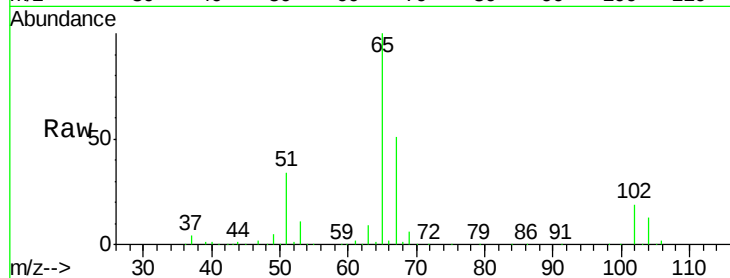
#33
 1,2-Dichloroethane-d4
 Concen: 53.559 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	102.0

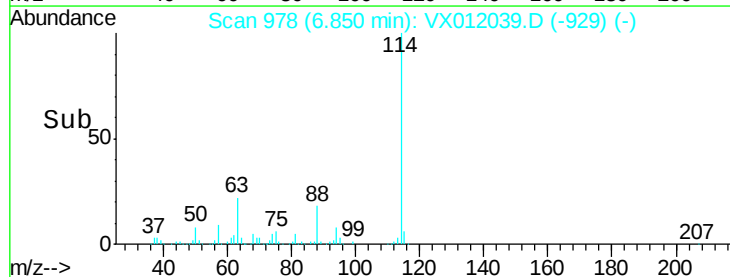
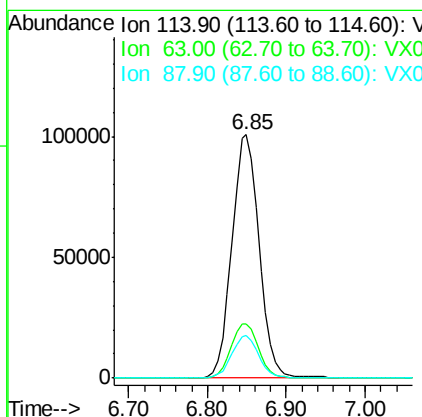
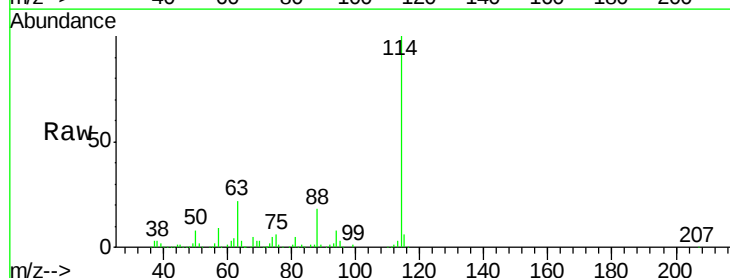
Manual Integrations
 APPROVED

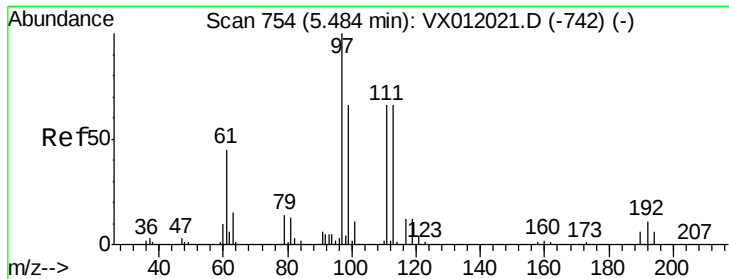
sam
 9/4/2019 4:46:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	37.4
88	17.6	0.0	29.6





#35

Dibromofluoromethane

Concen: 51.157 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

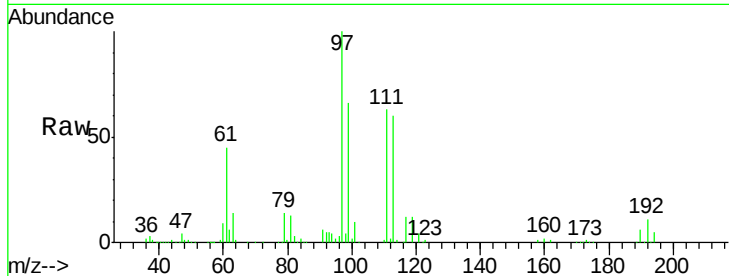
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	17.4	22.5	33.7

Manual Integrations
APPROVED

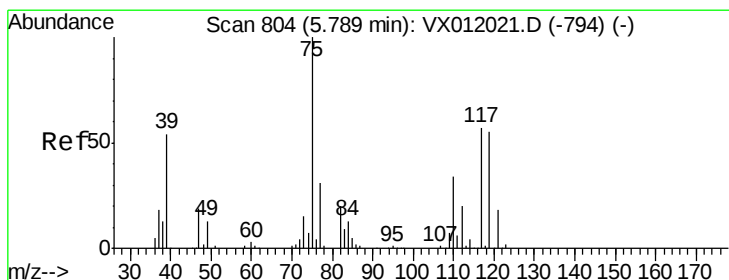
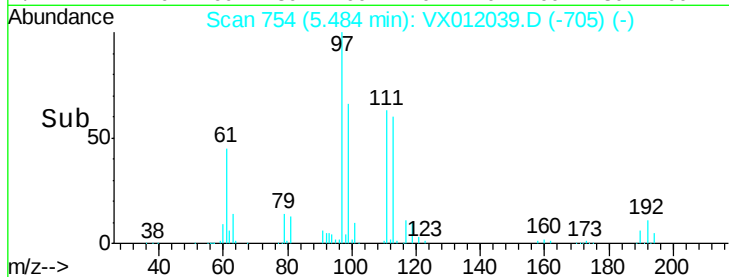
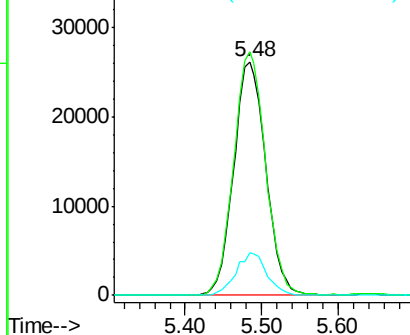
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.130 ug/l

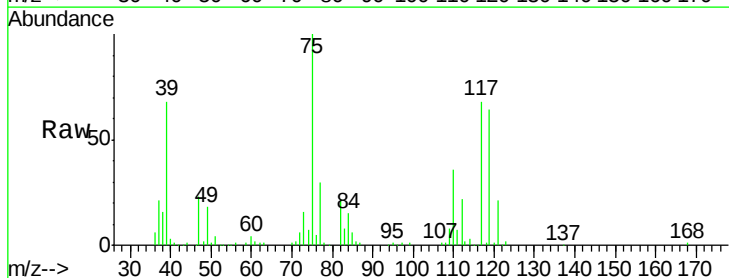
RT: 5.79 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

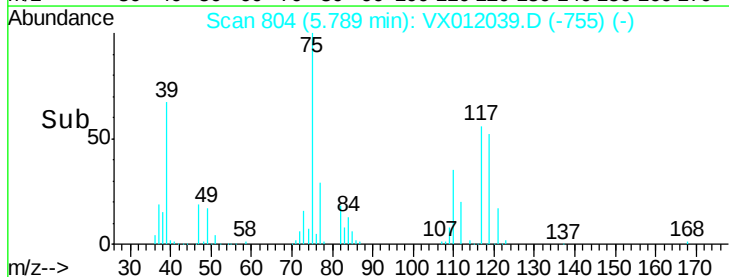
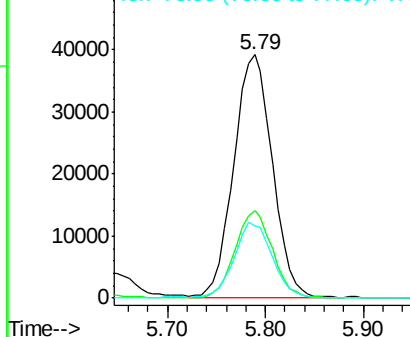
Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	19.5	58.5
77	30.5	24.6	37.0

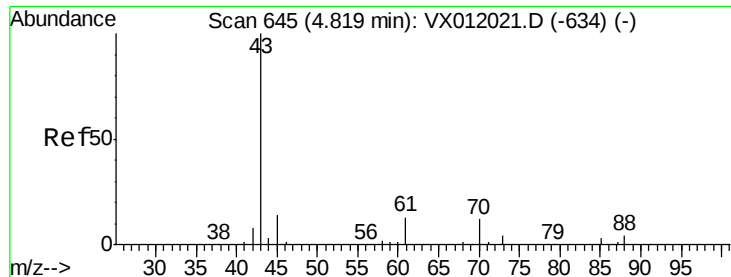


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





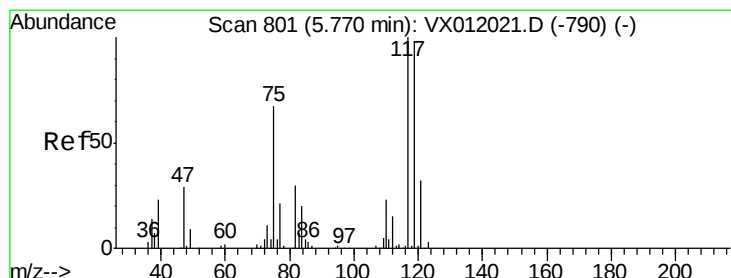
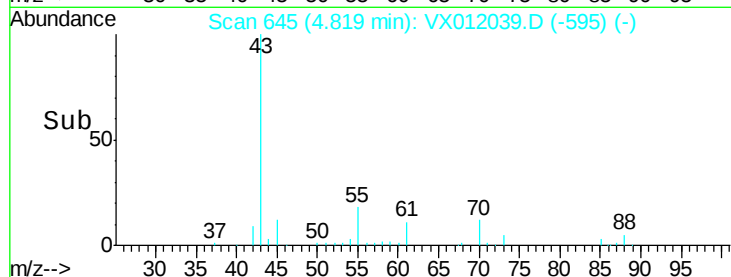
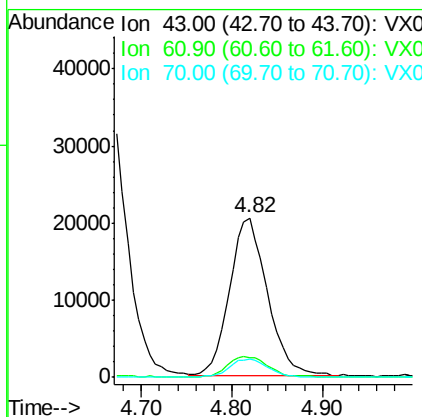
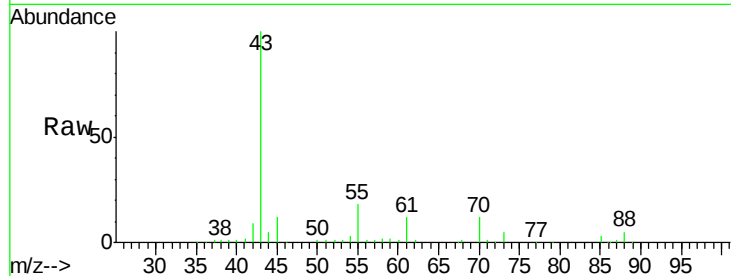
#37
Ethyl Acetate
Concen: 50.653 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	58834
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	12.1	9.4	14.0

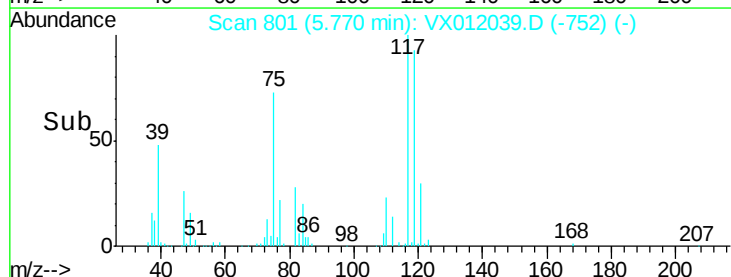
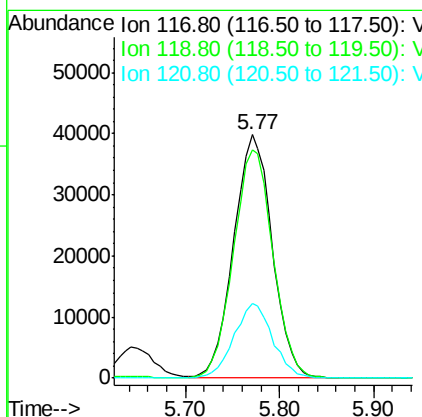
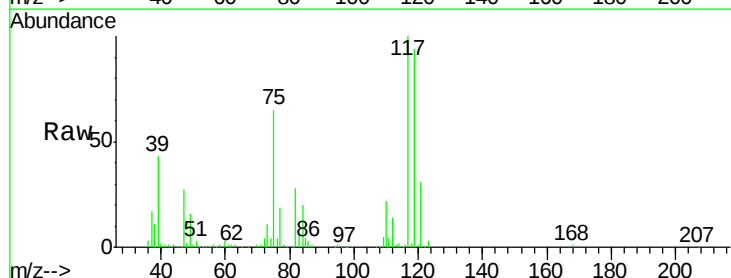
Manual Integrations
APPROVED

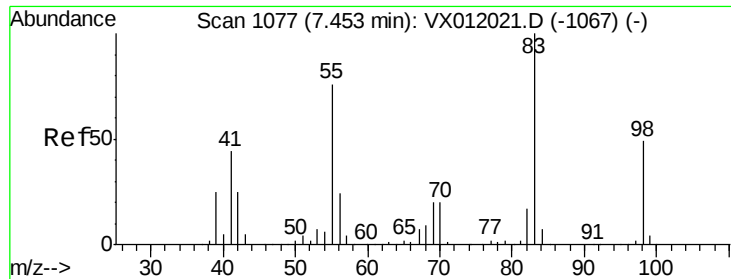
sam
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#38
Carbon Tetrachloride
Concen: 50.537 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion:	117	Resp:	113746
Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.3	117.5
121	30.6	24.2	36.2





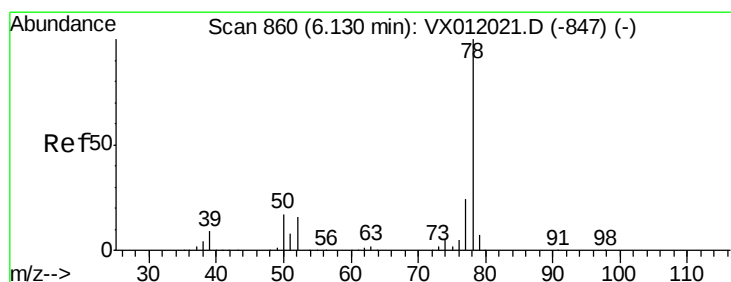
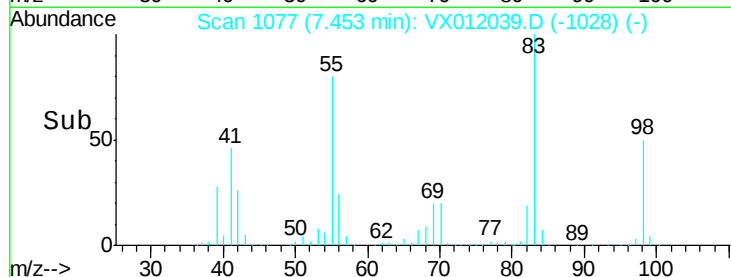
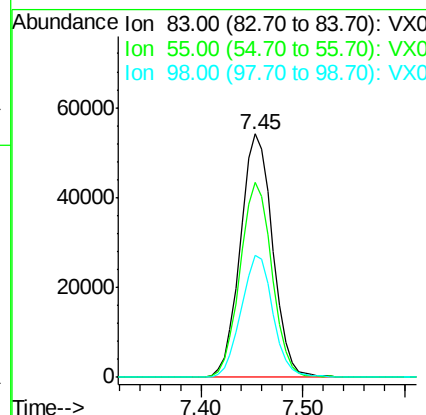
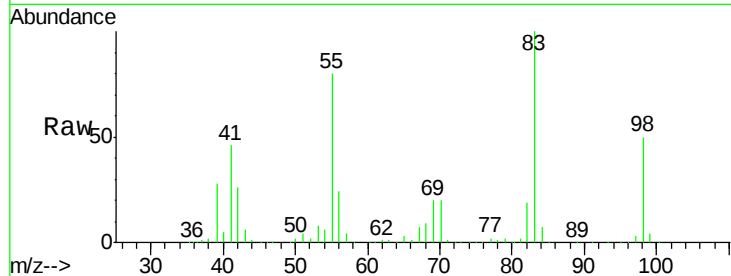
#39
Methylvlcvclohexane
Concen: 48.065 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.7	59.6	89.4	
98	50.1	41.4	62.0	

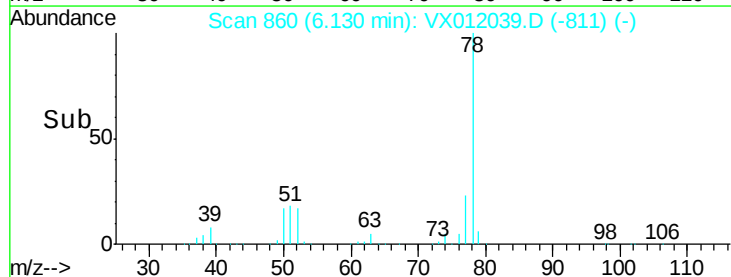
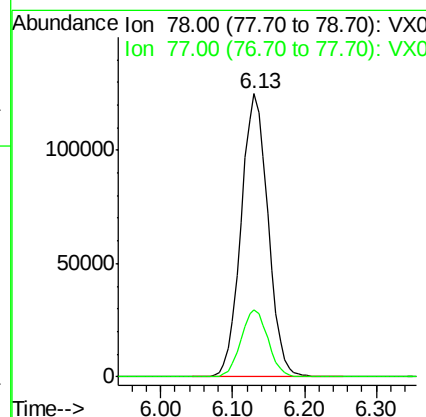
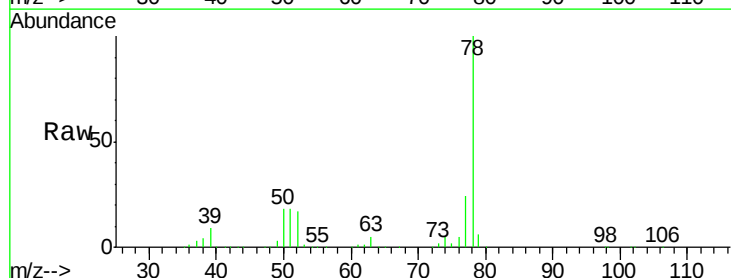
Manual Integrations
APPROVED

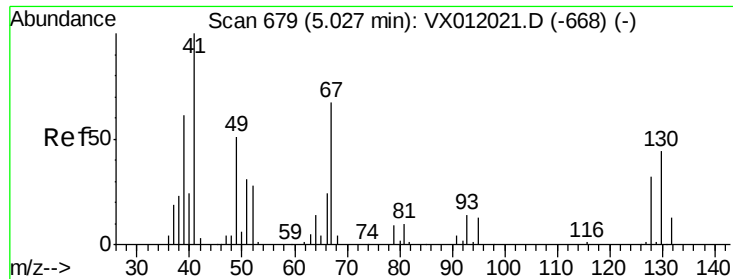
sam
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#40
Benzene
Concen: 53.032 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	19.3	28.9	





#41

Methacrylonitrile

Concen: 52.254 ug/l

RT: 5.02 min Scan# 678

Delta R.T. -0.01 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

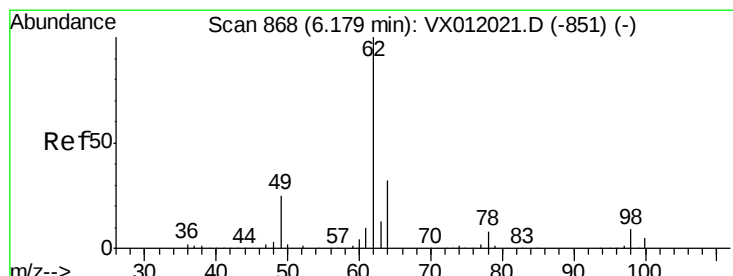
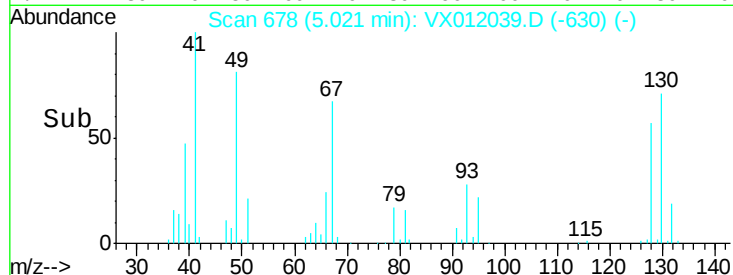
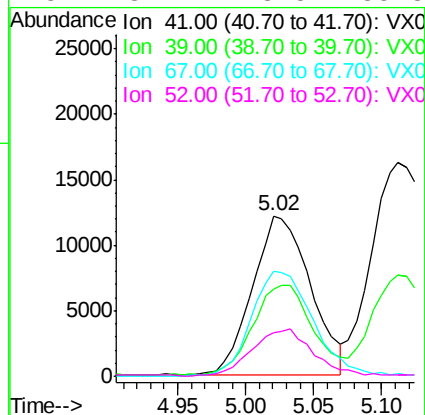
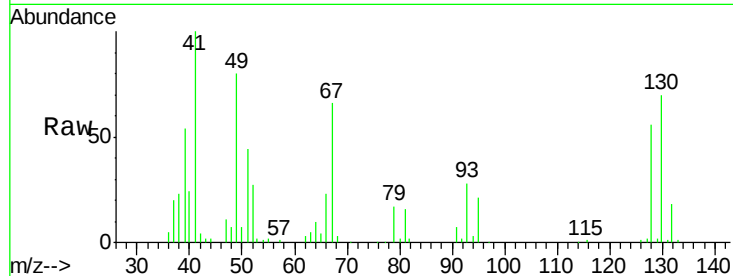
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	36195
Ion	Ratio	Lower	Upper
41	100		
39	59.0	46.7	70.1
67	70.4	57.0	85.6
52	31.1	23.5	35.3

Manual Integrations
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sam
9/4/2019 4:46:08 PM



#42

1,2-Dichloroethane

Concen: 53.386 ug/l

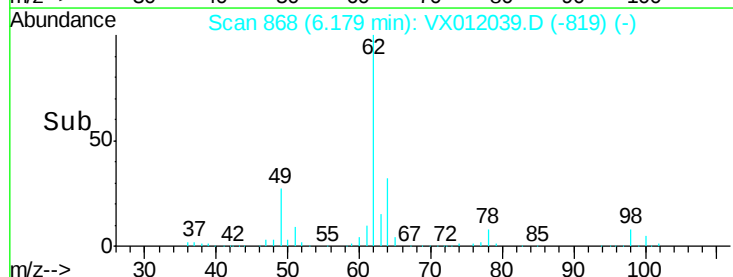
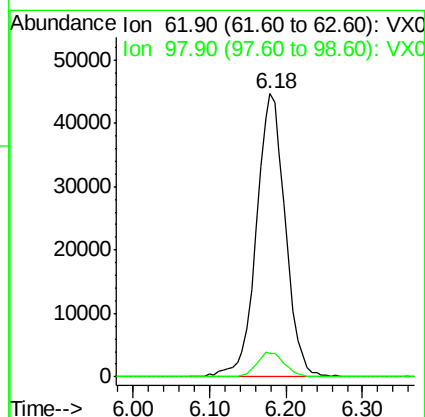
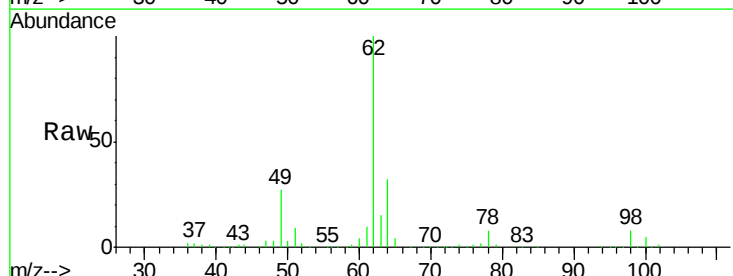
RT: 6.18 min Scan# 868

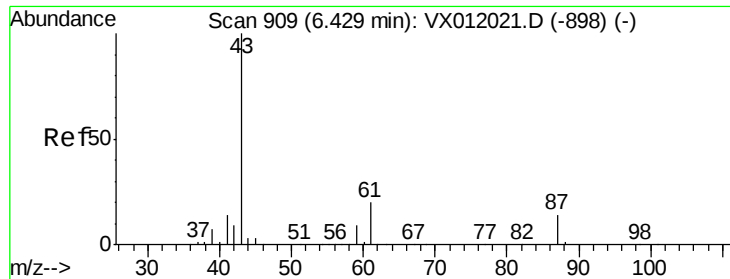
Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion:	62	Resp:	117805
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	19.2





#43

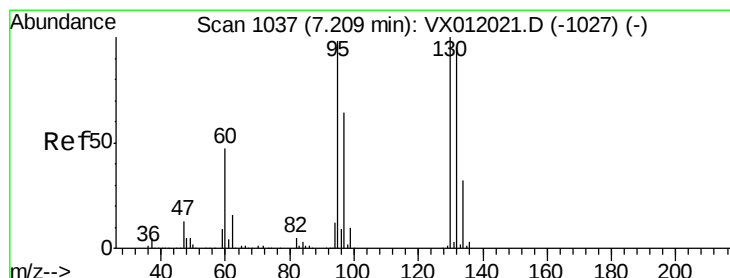
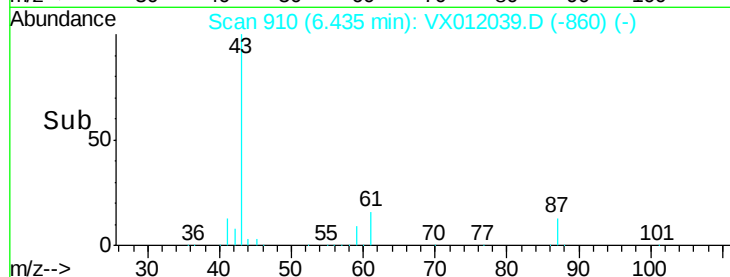
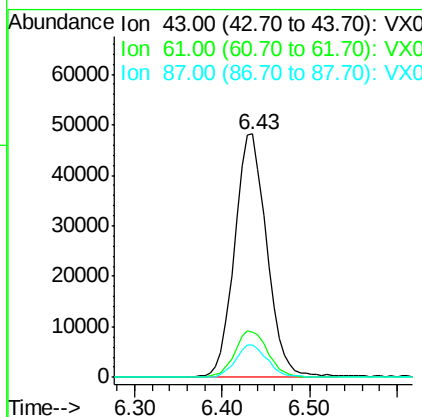
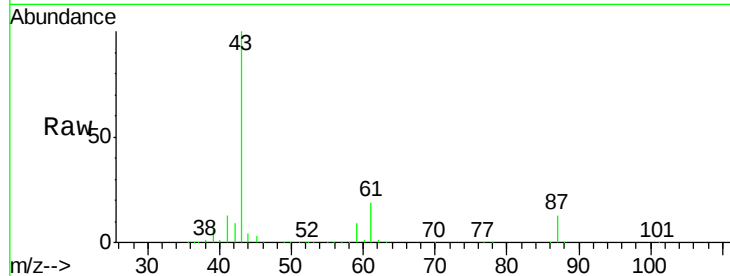
Isopropyl Acetate
 Concen: 51.837 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	13.2	11.3	16.9

Manual Integrations
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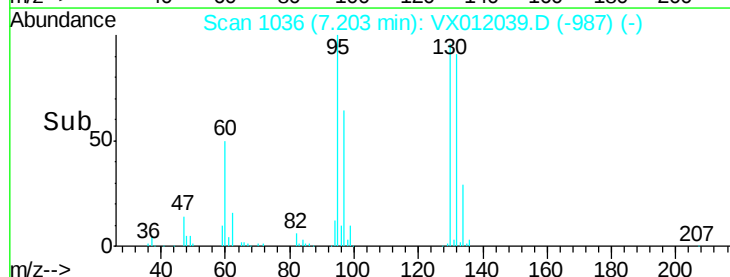
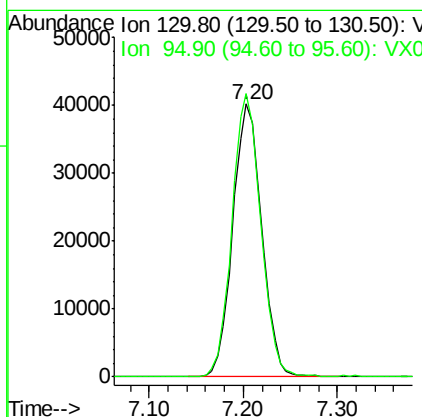
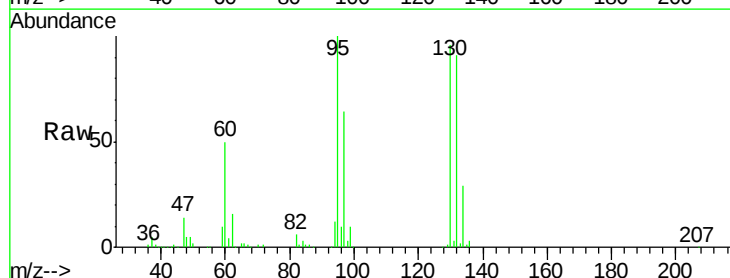
sam
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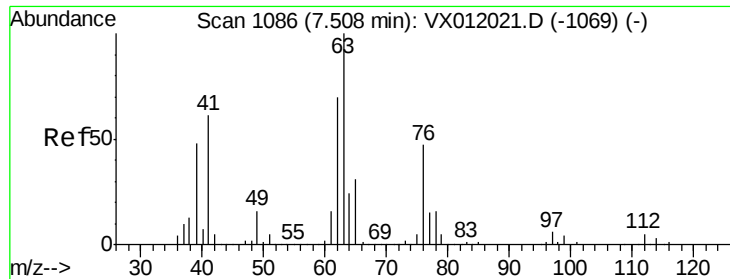


#44

Trichloroethene
 Concen: 51.982 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	176.4





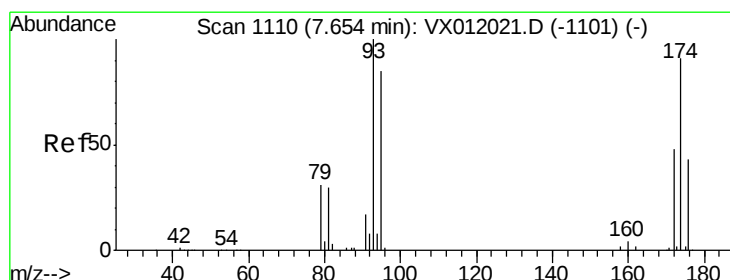
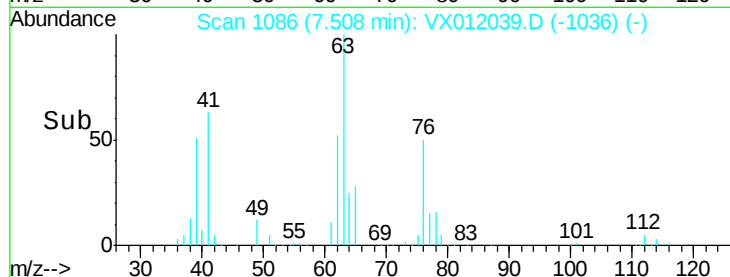
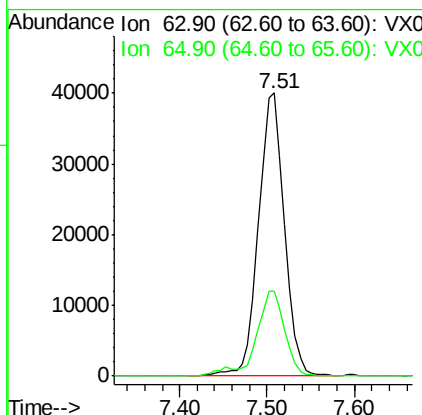
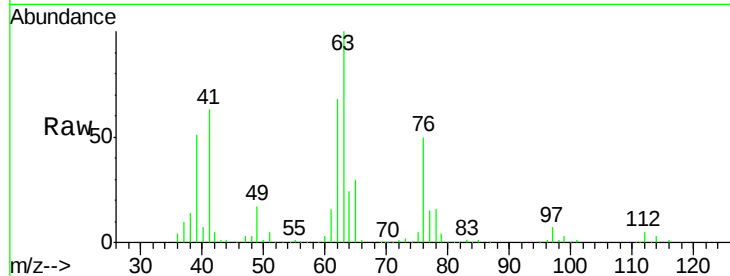
#45
 1,2-Dichloropropane
 Concen: 52.494 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 83165
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

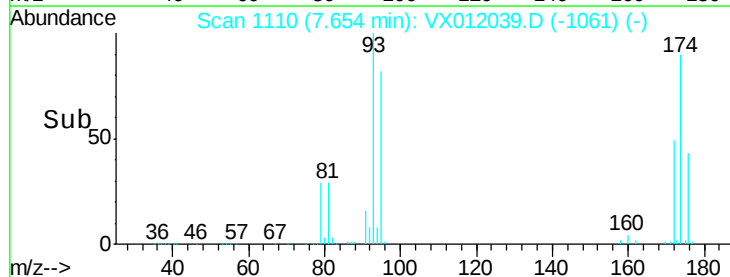
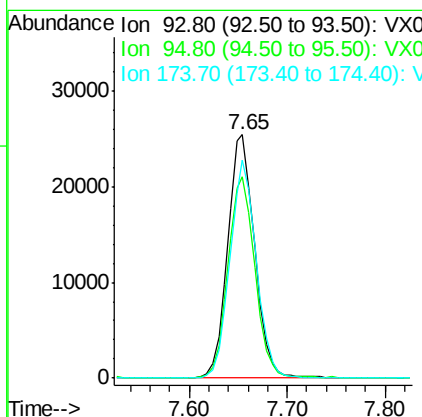
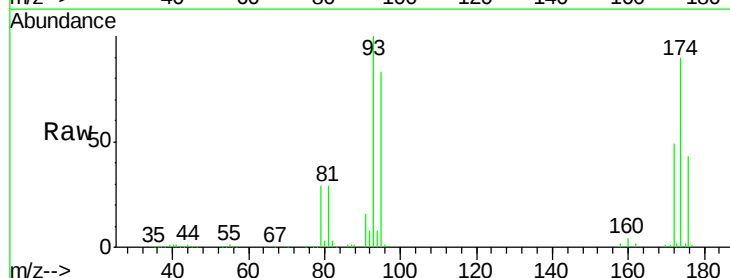
Manual Integrations
 APPROVED

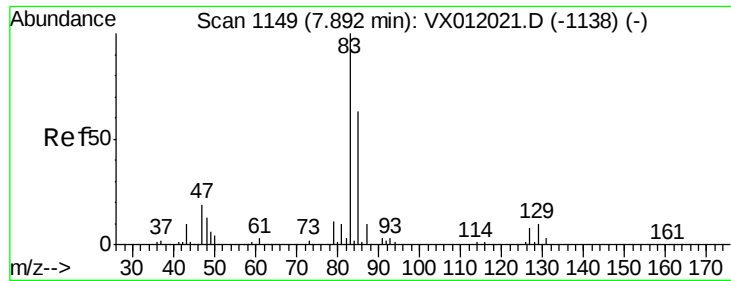
sam
 9/4/2019 4:46:08 PM



#46
 Dibromomethane
 Concen: 52.411 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion: 93 Resp: 48472
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.2
 174 87.5 110.2 165.4#





#47

Bromodichloromethane

Concen: 52.801 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

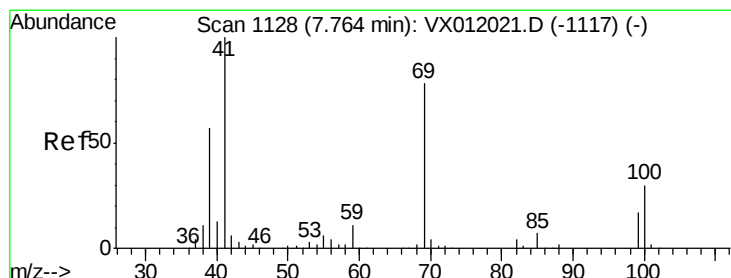
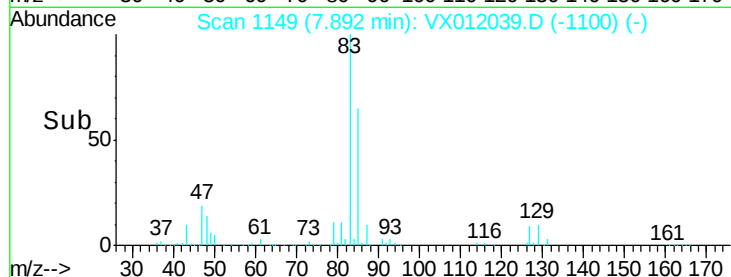
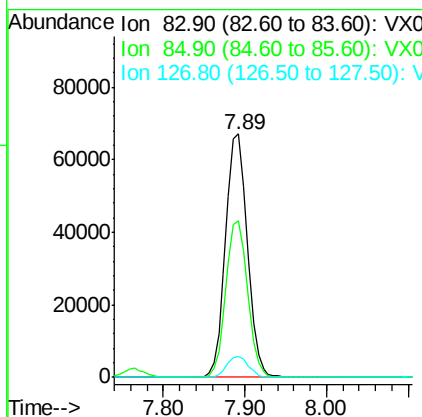
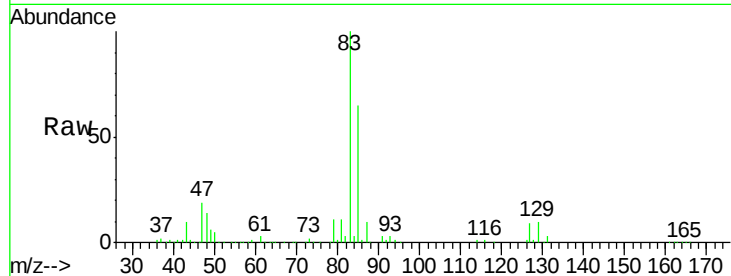
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	124125
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5
127	8.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.432 ug/l

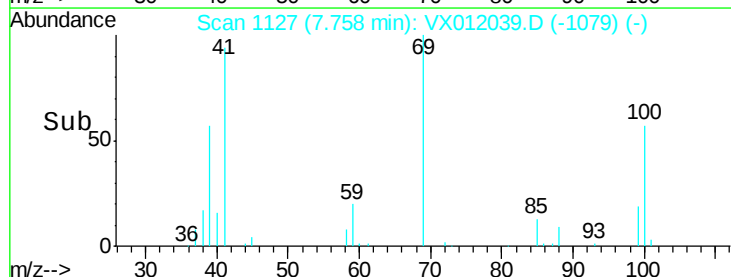
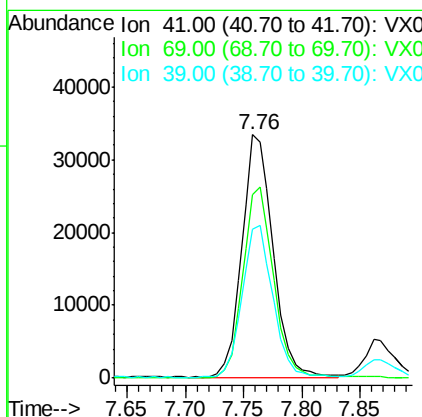
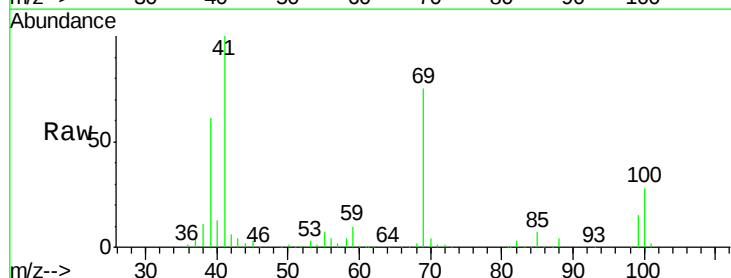
RT: 7.76 min Scan# 1127

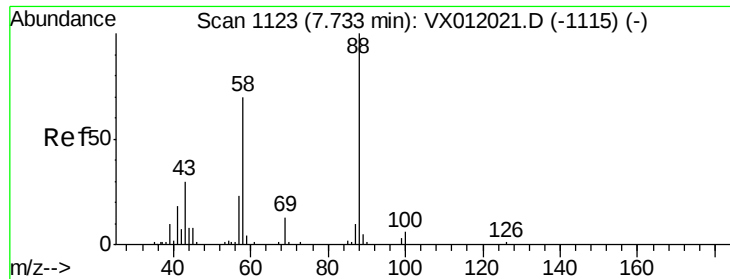
Delta R.T. -0.01 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion:	41	Resp:	62263
Ion	Ratio	Lower	Upper
41	100		
69	78.3	66.3	99.5
39	61.9	48.1	72.1





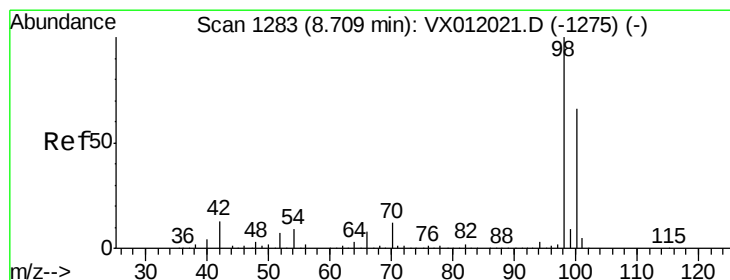
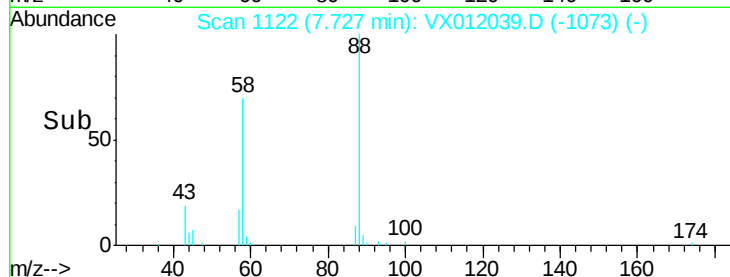
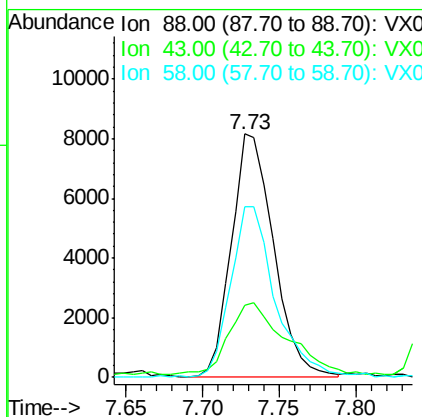
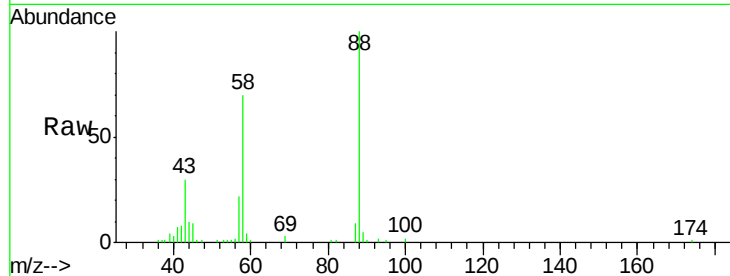
#49
1,4-Dioxane
Concen: 968.046 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	29.8	44.6
58	74.4	55.4	83.2

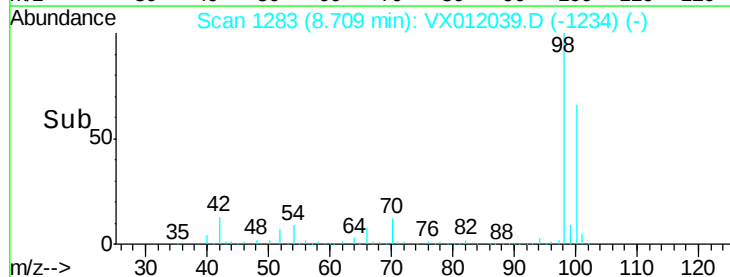
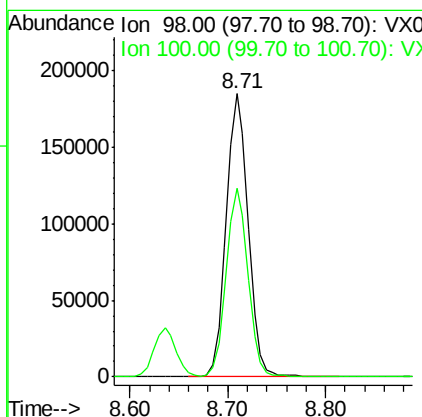
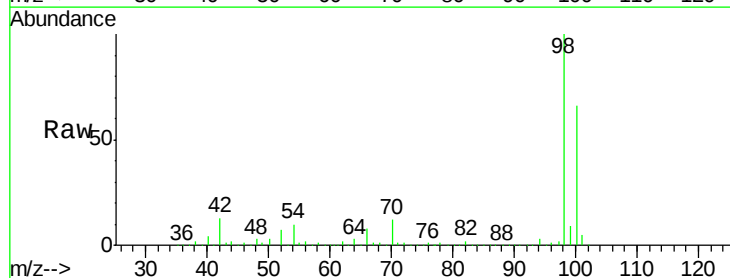
Manual Integrations
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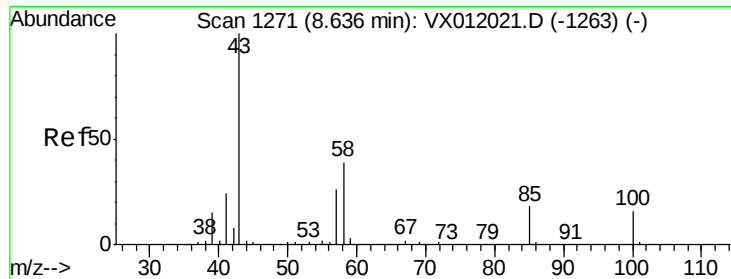
sam
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#50
Toluene-d8
Concen: 52.678 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 257.155 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 308914

Ion Ratio Lower Upper

43 100

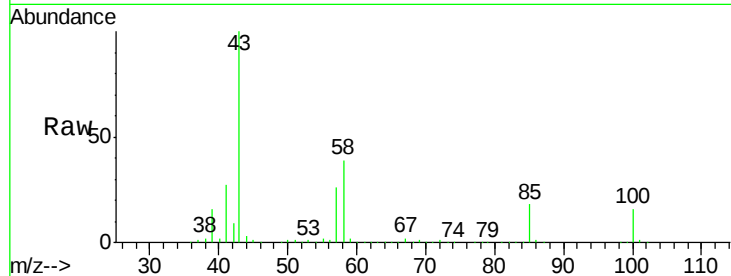
58 38.6 31.5 47.3

Manual Integrations

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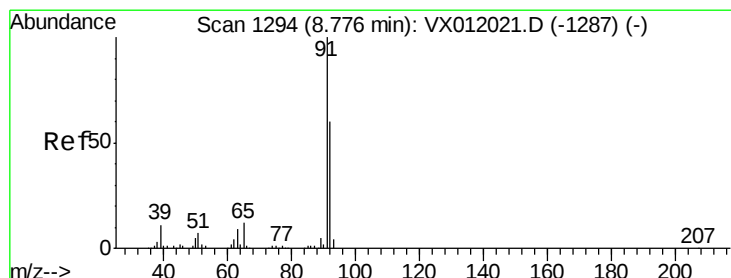
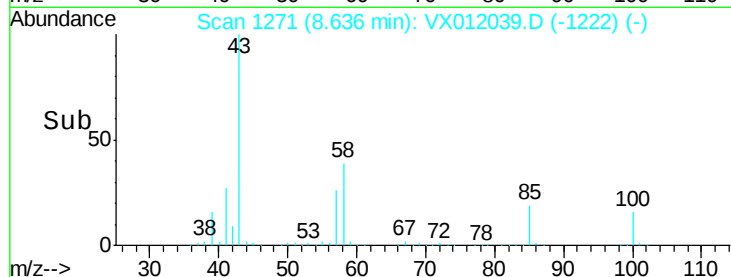
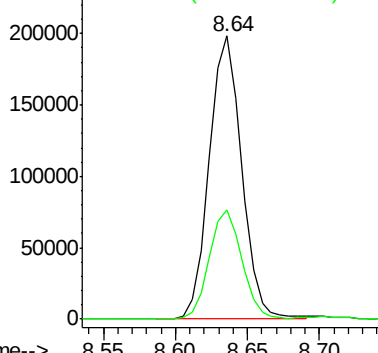
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.719 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012039.D

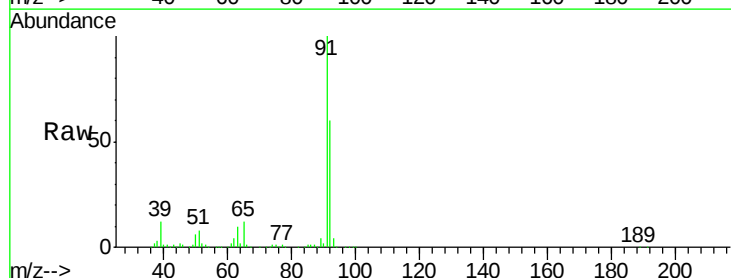
Acq: 03 Sep 2019 23:10

Tgt Ion: 92 Resp: 210336

Ion Ratio Lower Upper

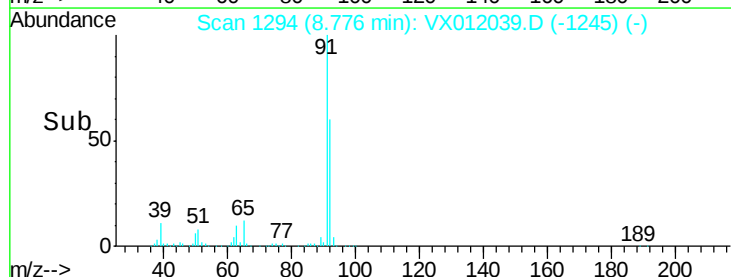
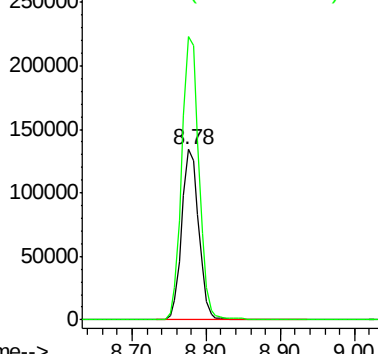
92 100

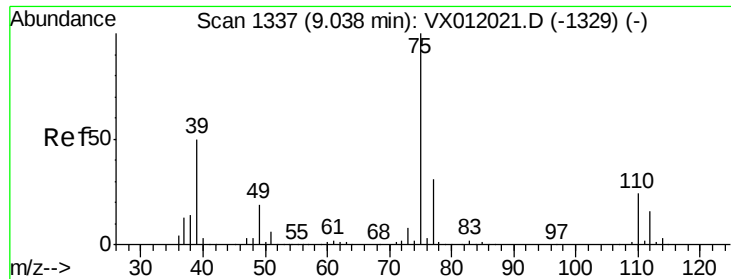
91 168.5 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





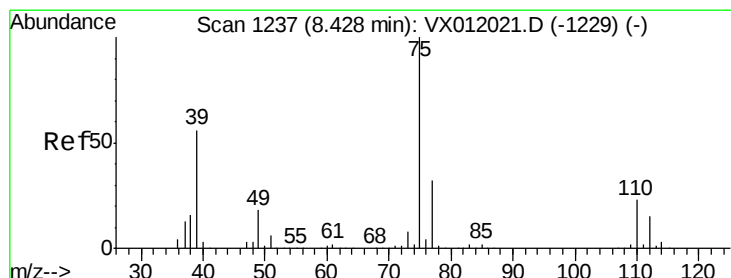
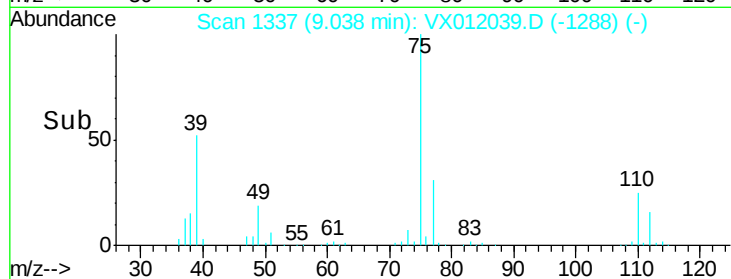
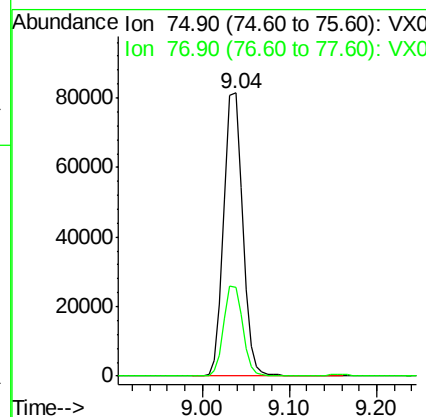
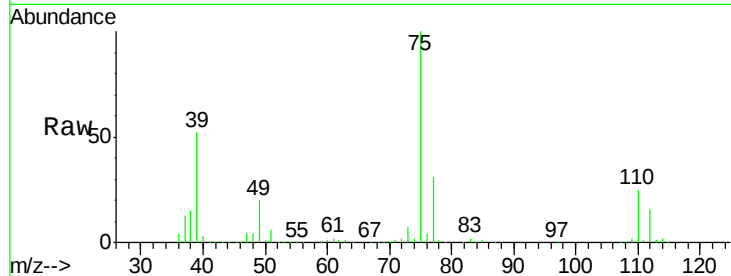
#53
t-1,3-Dichloropropene
Concen: 50.189 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 122149
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

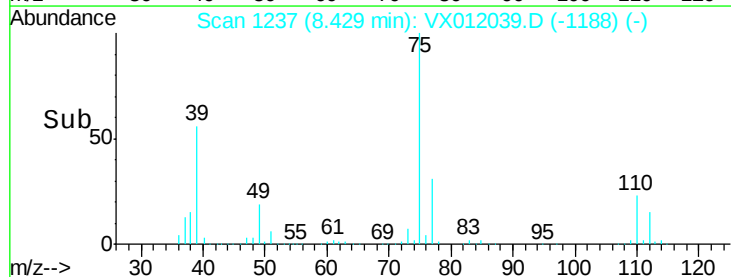
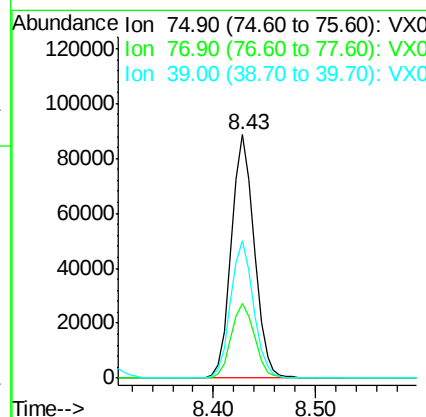
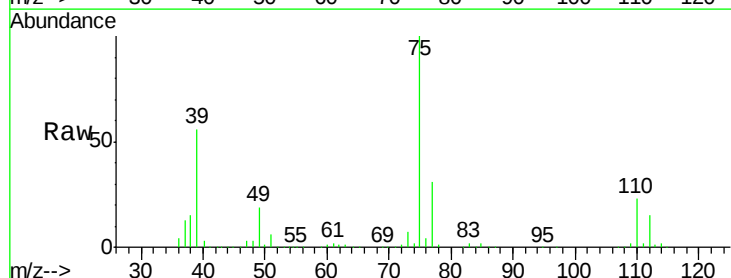
Manual Integrations
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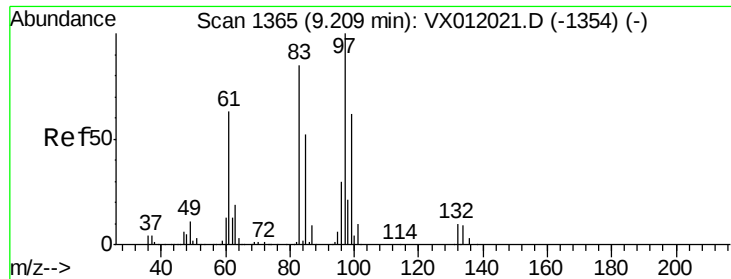
sam
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#54
cis-1,3-Dichloropropene
Concen: 51.004 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion: 75 Resp: 138039
Ion Ratio Lower Upper
75 100
77 30.8 25.5 38.3
39 56.0 43.0 64.4





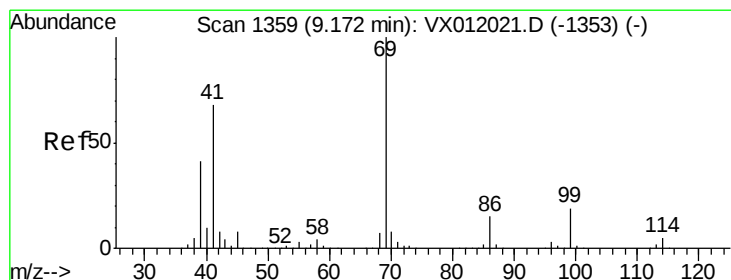
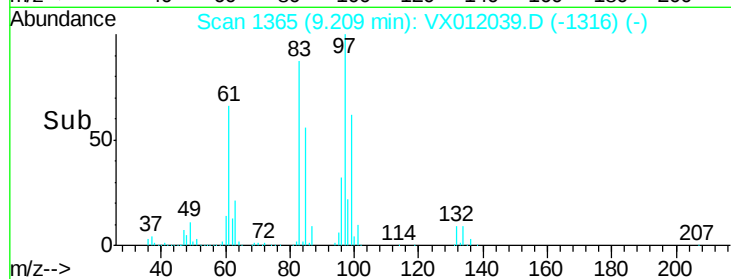
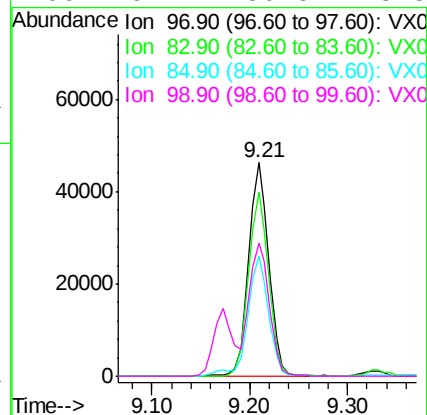
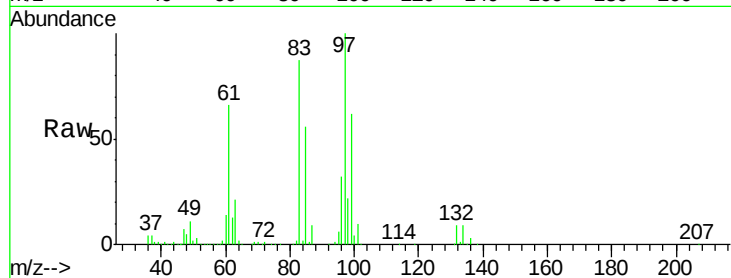
#55
 1,1,2-Trichloroethane
 Concen: 50.204 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		66380		
83	86.6	66.0	99.0		
85	56.3	41.0	61.6		
99	62.4	50.6	75.8		

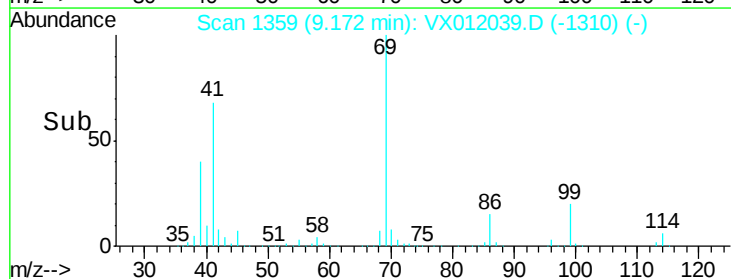
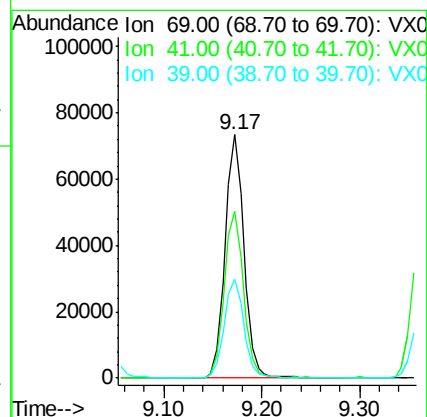
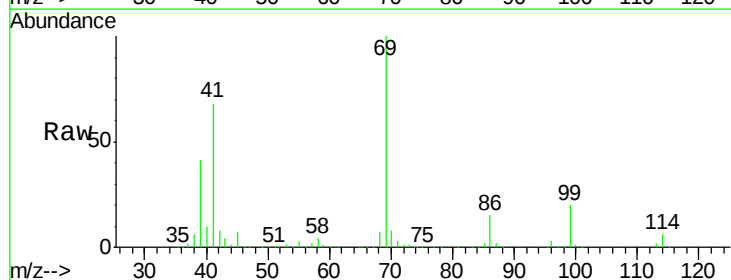
Manual Integrations
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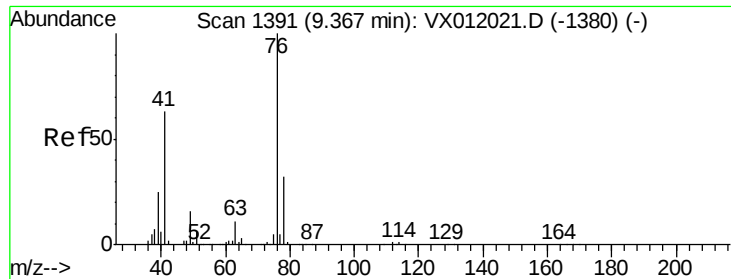
sam
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#56
 Ethyl methacrylate
 Concen: 52.218 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		98897		
41	68.6	53.9	80.9		
39	41.6	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 52.235 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 119179

Ion Ratio Lower Upper

76 100

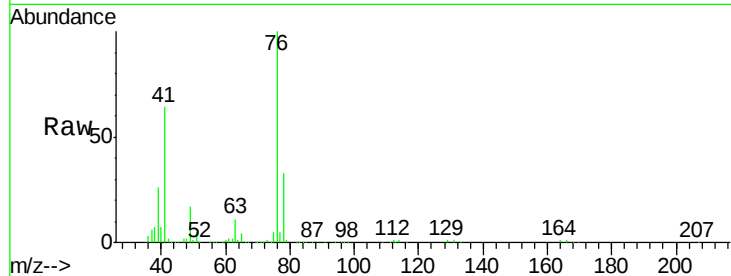
78 32.8 25.5 38.3

Manual Integrations

APPROVED

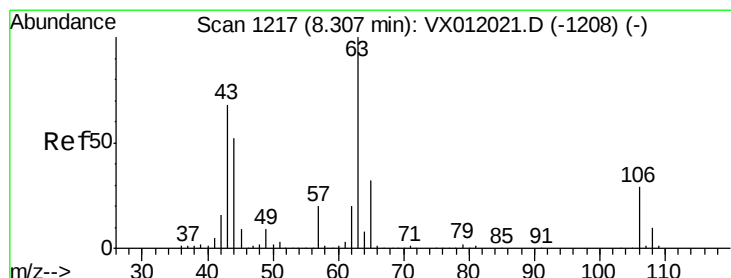
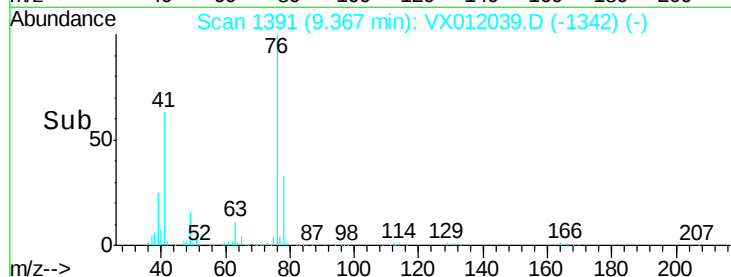
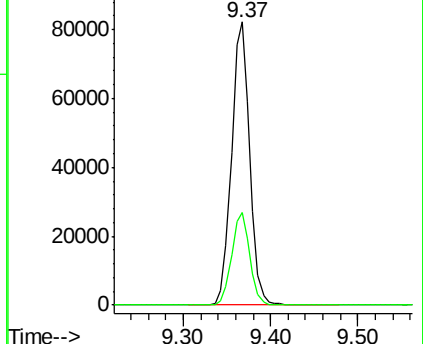
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 251.508 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012039.D

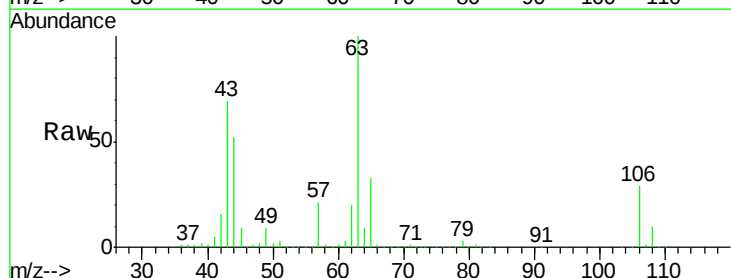
Acq: 03 Sep 2019 23:10

Tgt Ion: 63 Resp: 214748

Ion Ratio Lower Upper

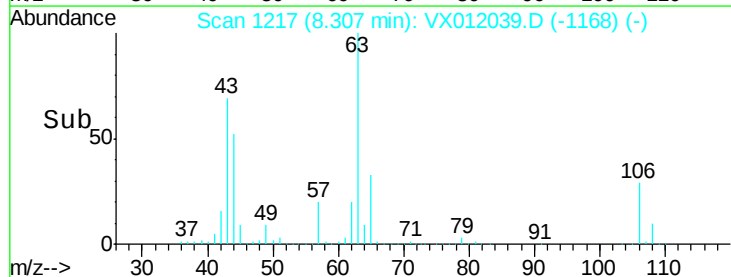
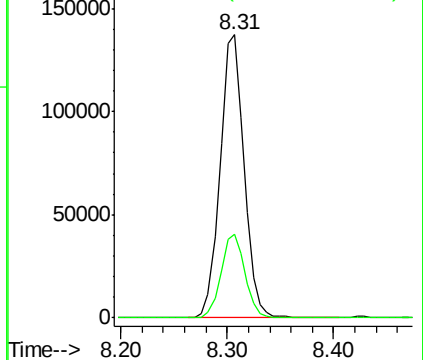
63 100

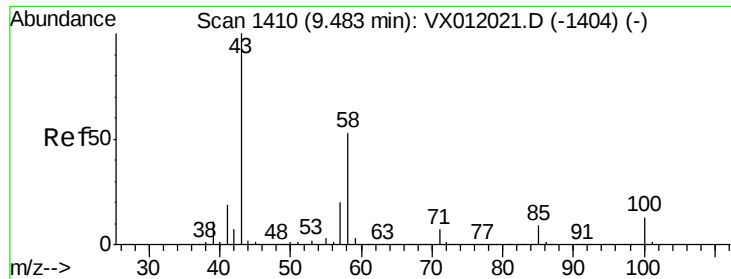
106 29.6 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





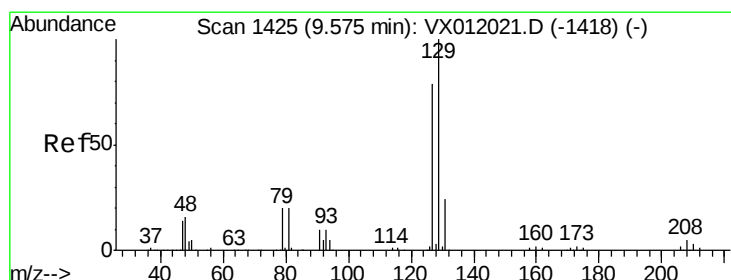
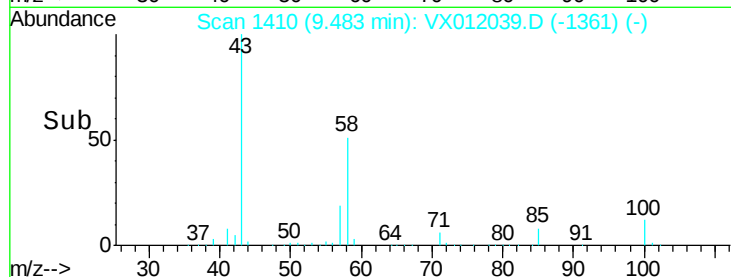
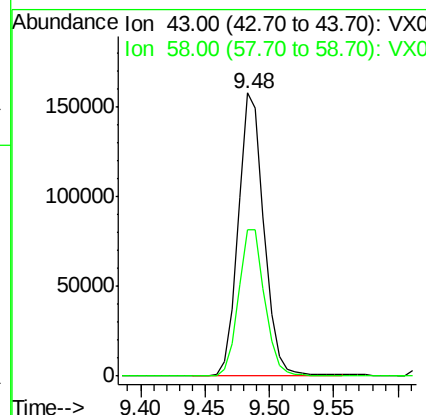
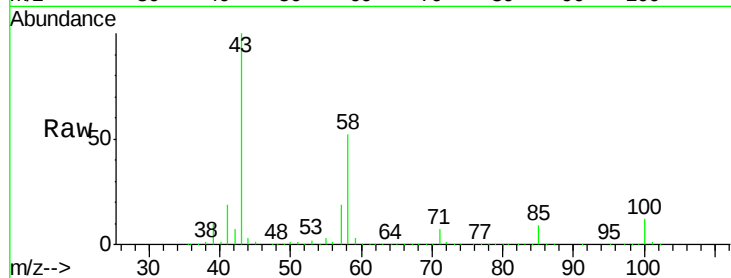
#59
2-Hexanone
Concen: 248.477 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 217801
Ion Ratio Lower Upper
43 100
58 53.4 27.2 81.6

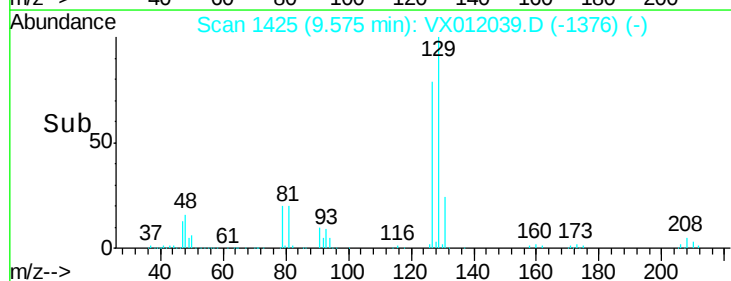
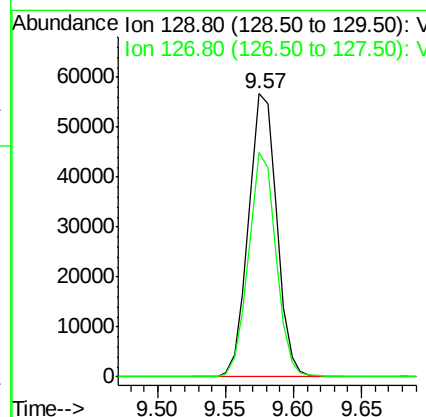
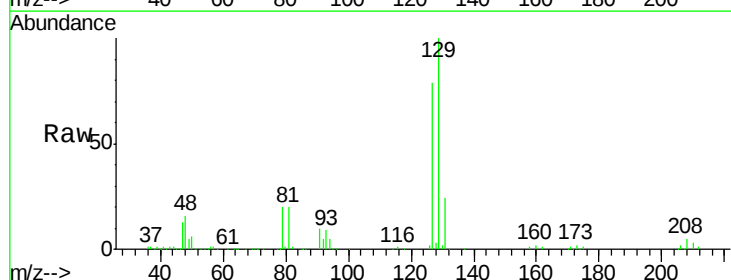
Manual Integrations
APPROVED

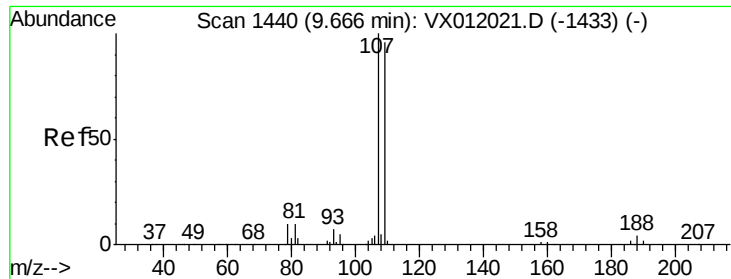
sam
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#60
Dibromochloromethane
Concen: 52.704 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion: 129 Resp: 83052
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.5





#61

1,2-Dibromoethane

Concen: 52.746 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 67390

Ion Ratio Lower Upper

107 100

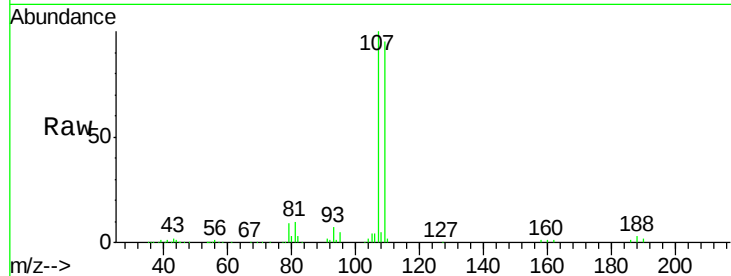
109 93.5 76.9 115.3

Manual Integrations

APPROVED

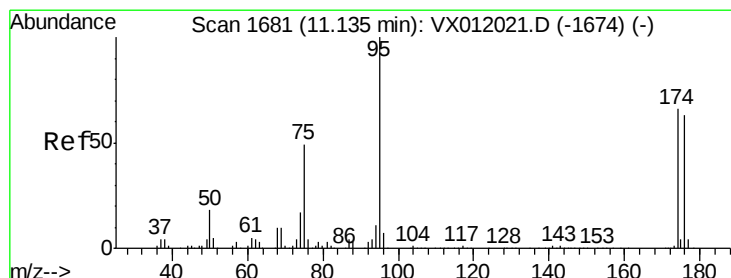
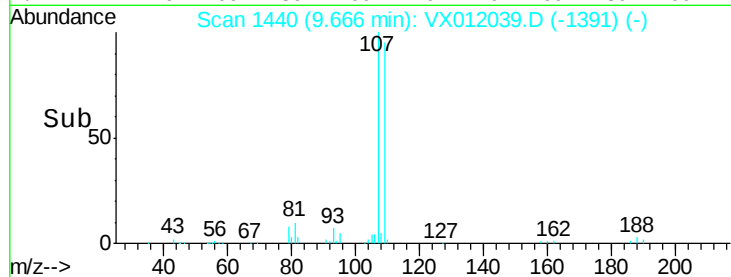
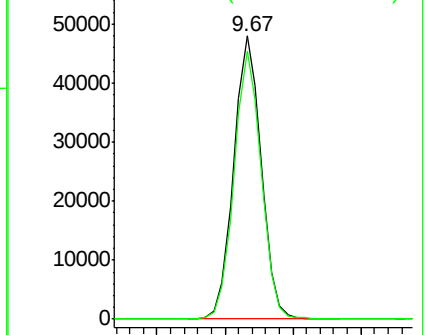
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.456 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

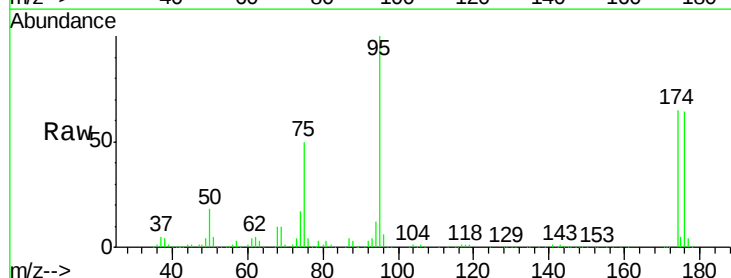
Tgt Ion: 95 Resp: 123330

Ion Ratio Lower Upper

95 100

174 63.5 0.0 205.4

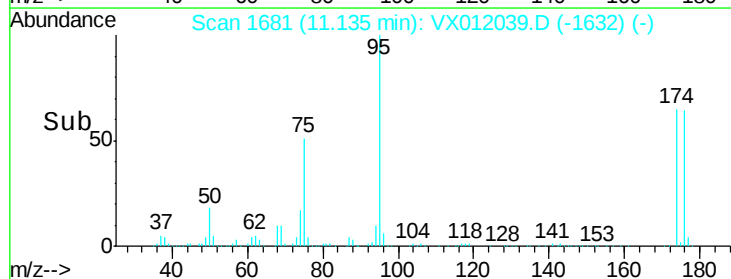
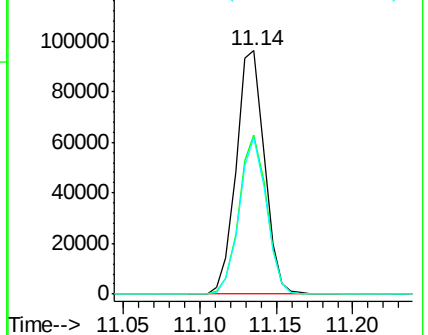
176 61.7 0.0 201.8

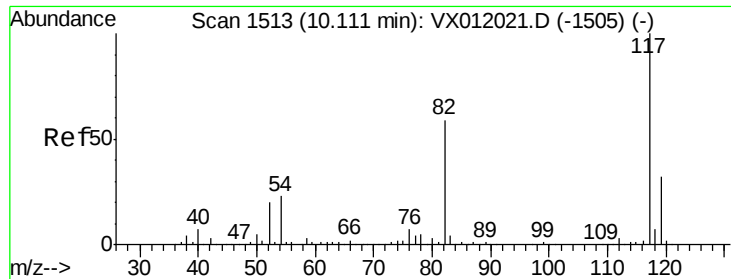


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





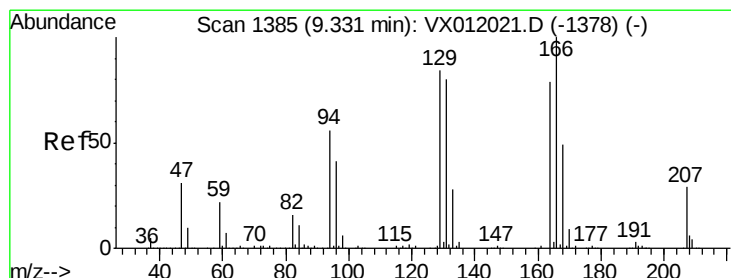
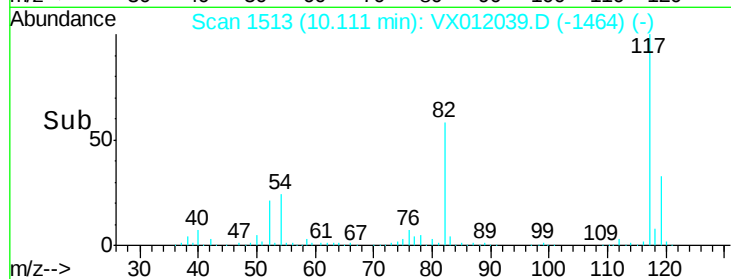
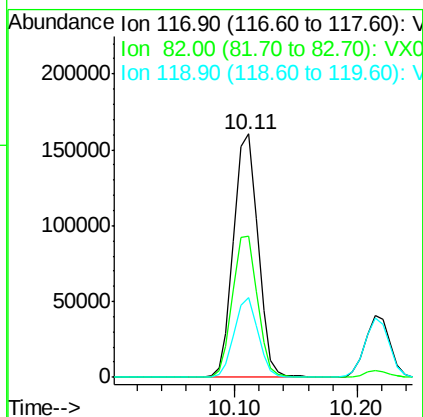
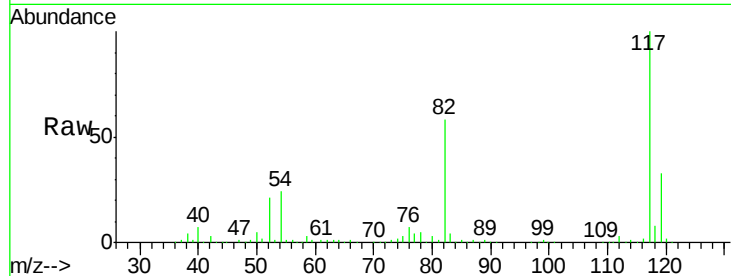
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	39.4	59.0
119	32.6	26.1	39.1

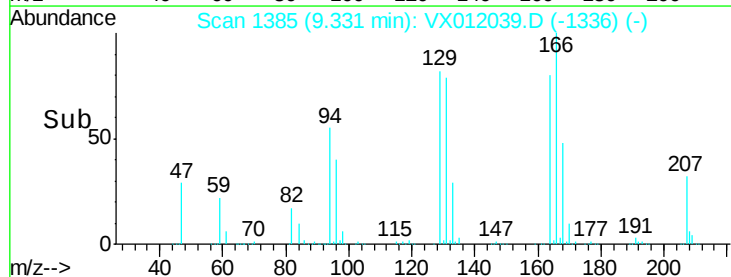
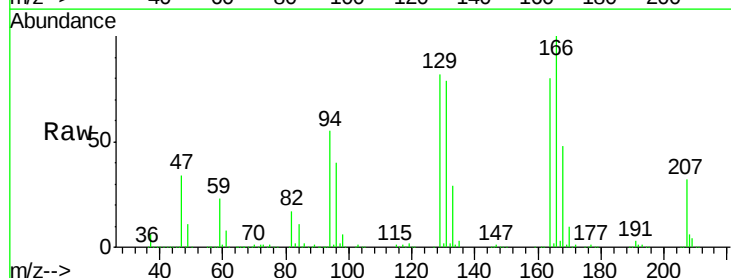
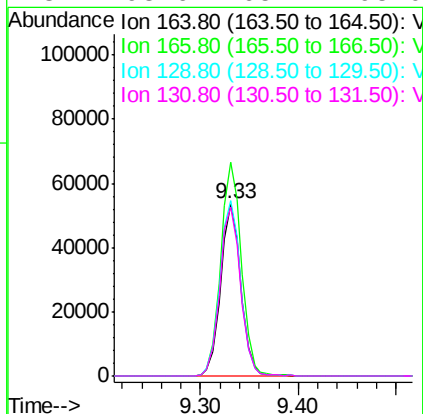
Manual Integrations
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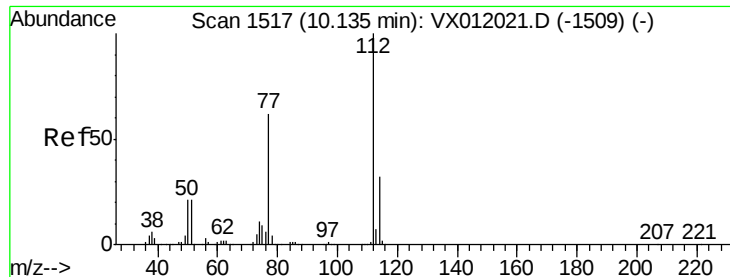
sam
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#64
Tetrachloroethene
Concen: 55.273 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	104.3	156.5
129	101.9	68.3	102.5
131	98.6	65.4	98.0#





#65

Chlorobenzene

Concen: 51.660 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 226166

Ion Ratio Lower Upper

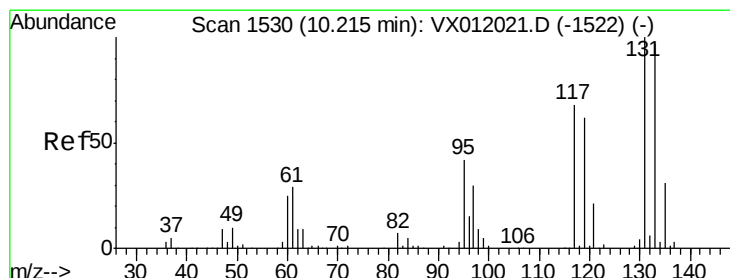
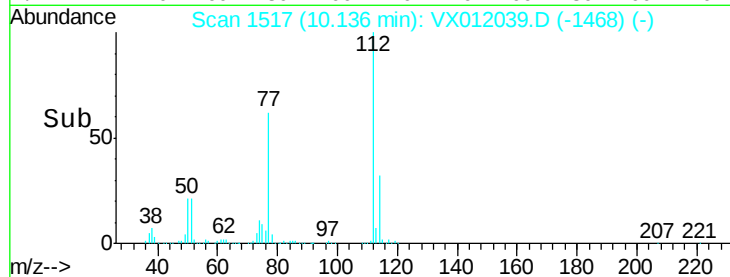
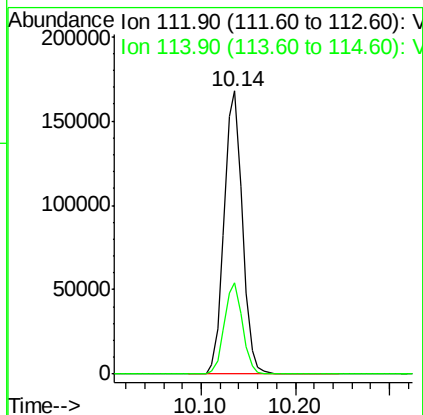
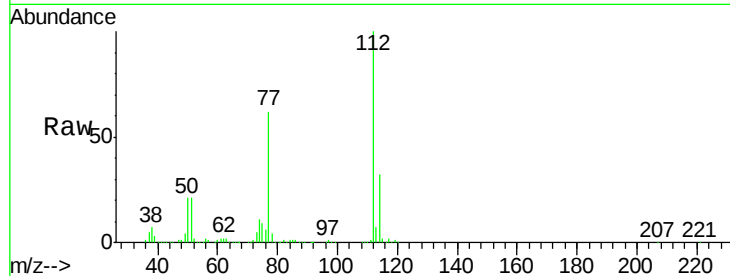
112 100

114 32.2 26.2 39.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.610 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

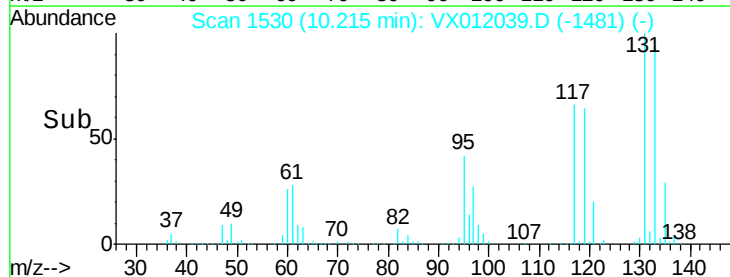
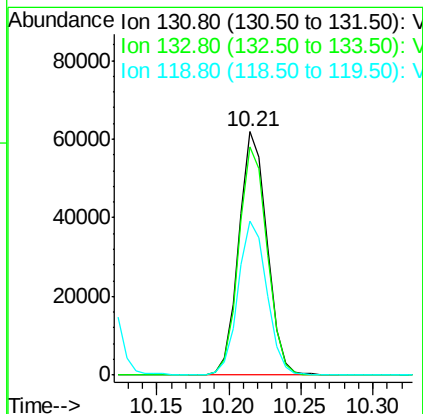
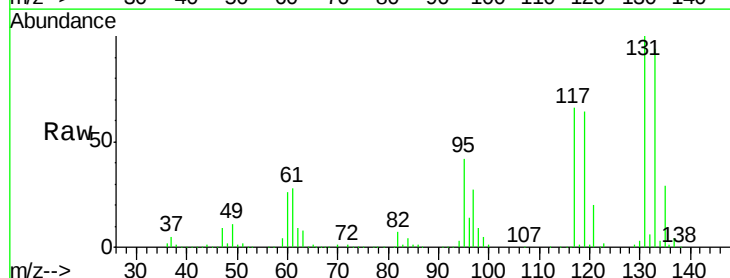
Tgt Ion:131 Resp: 84218

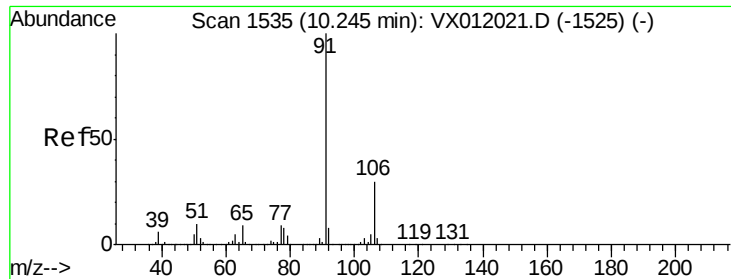
Ion Ratio Lower Upper

131 100

133 94.7 48.4 145.0

119 64.5 30.5 91.5





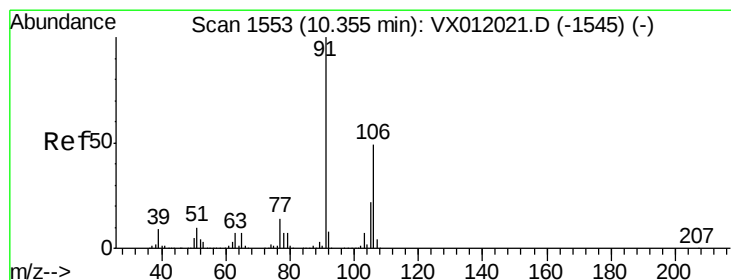
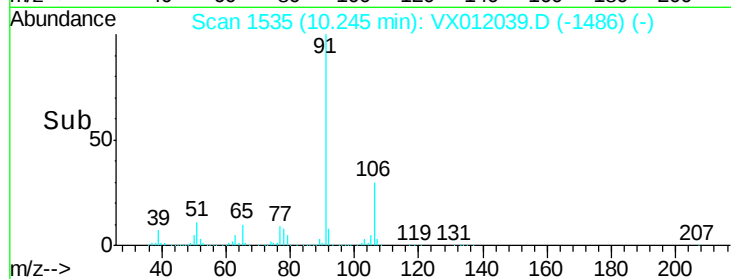
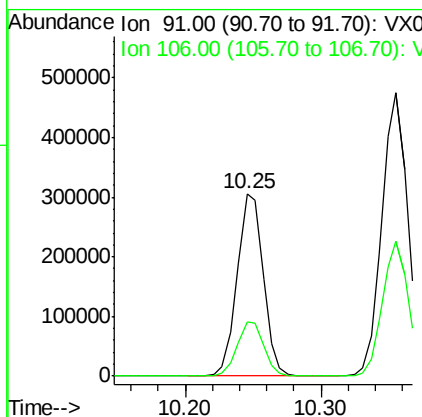
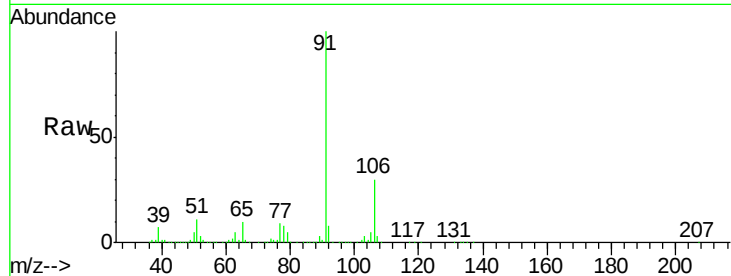
#67
Ethyl Benzene
Concen: 51.429 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 410416
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8

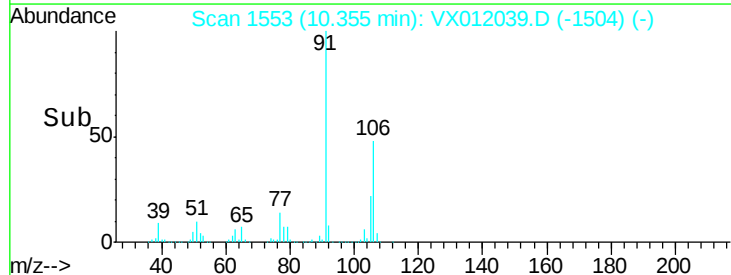
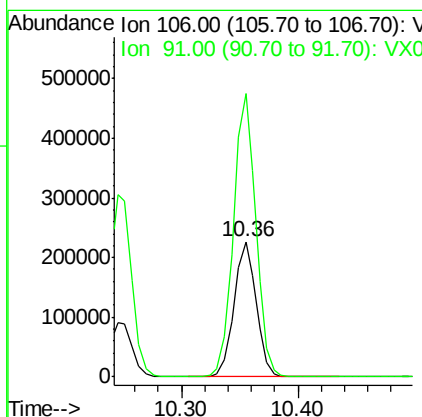
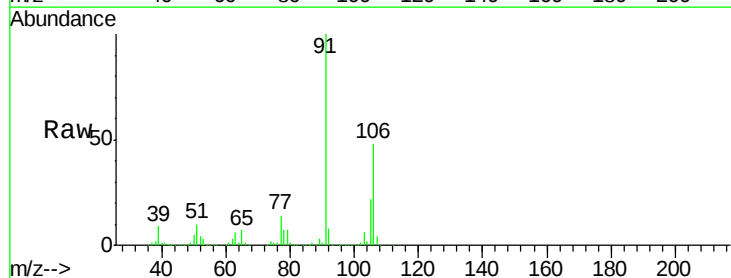
Manual Integrations
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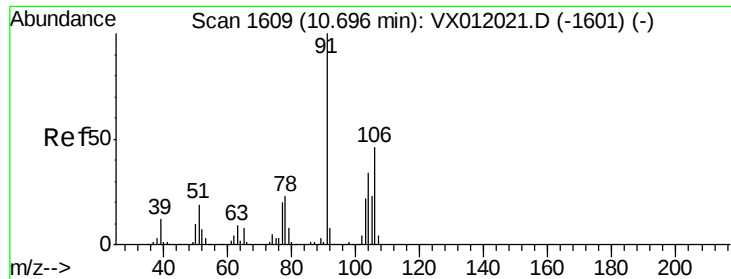
sam
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#68
m/p-Xylenes
Concen: 102.376 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion: 106 Resp: 301009
Ion Ratio Lower Upper
106 100
91 210.9 157.5 236.3





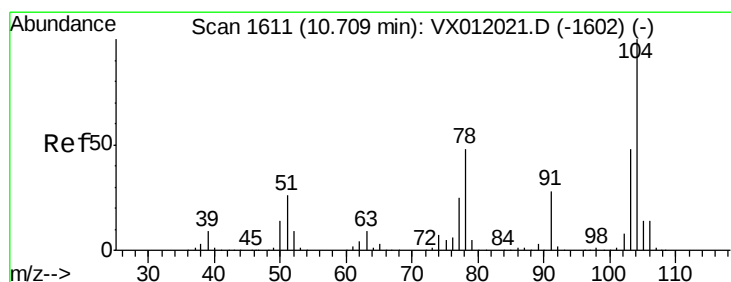
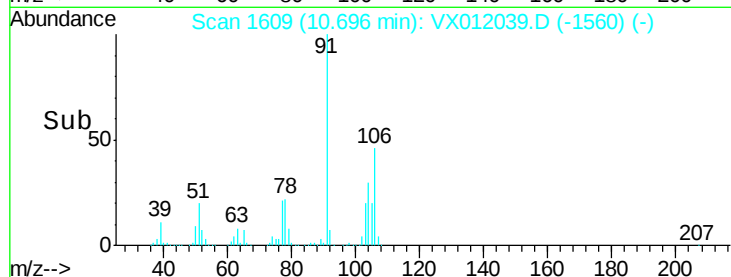
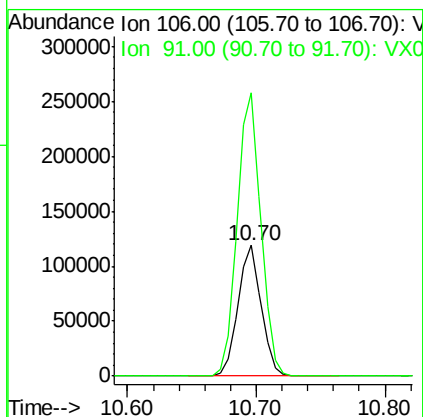
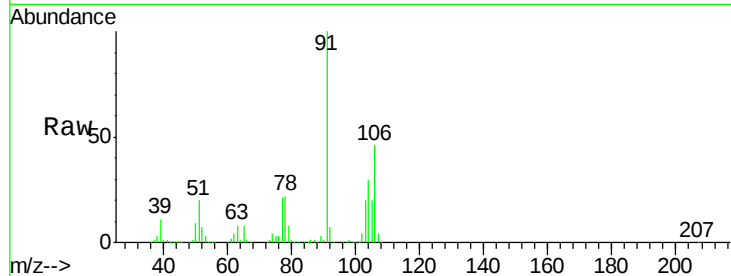
#69
o-Xylene
Concen: 51.911 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 148004
Ion Ratio Lower Upper
106 100
91 222.5 103.5 310.3

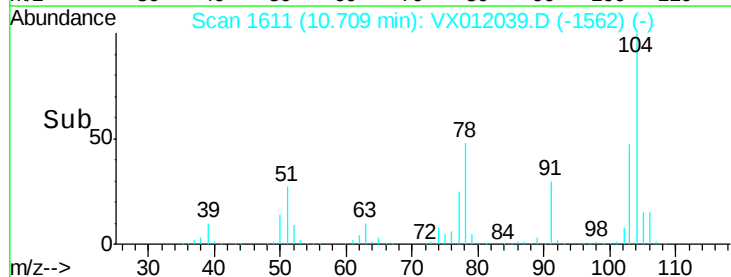
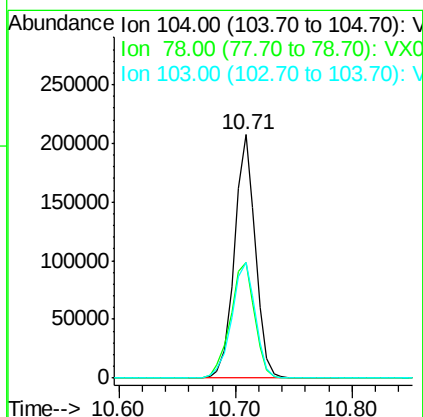
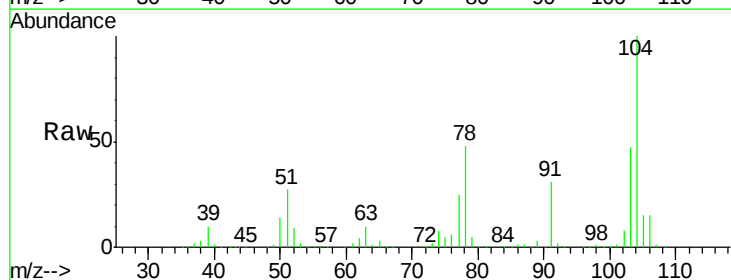
Manual Integrations
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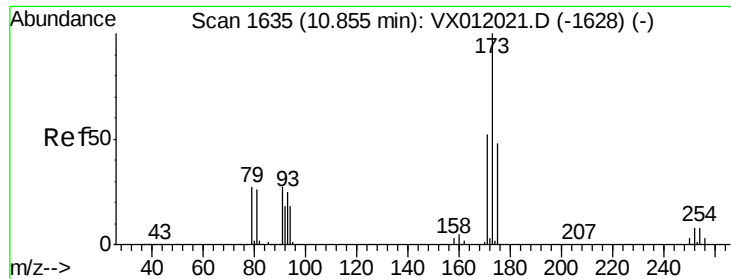
sam
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#70
Styrene
Concen: 52.206 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion:104 Resp: 258534
Ion Ratio Lower Upper
104 100
78 55.1 39.1 58.7
103 53.8 43.4 65.2





#71

Bromoform

Concen: 52.004 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

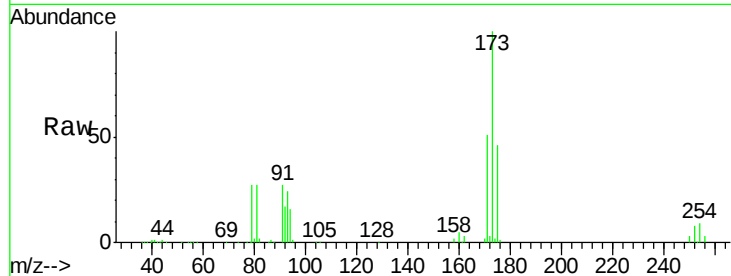
ClientSampleId :

VSTDCCC050EC

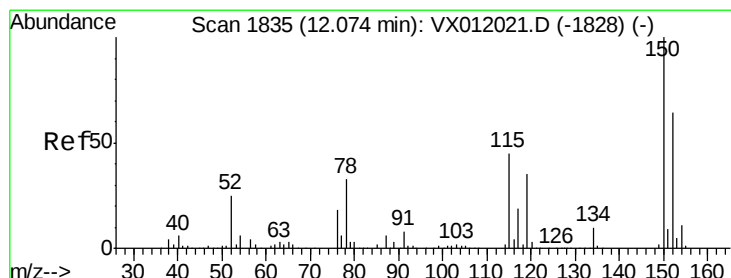
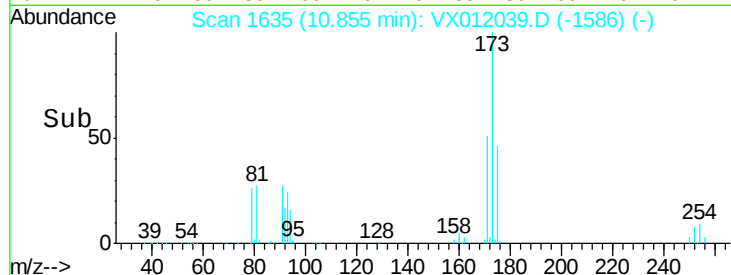
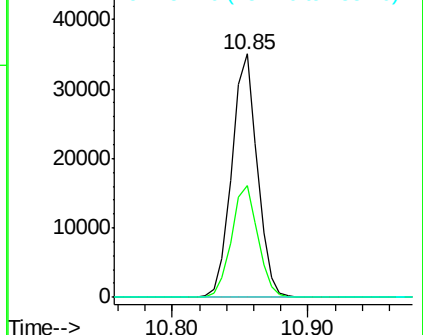
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.7
254	0.0	0.1	0.1

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

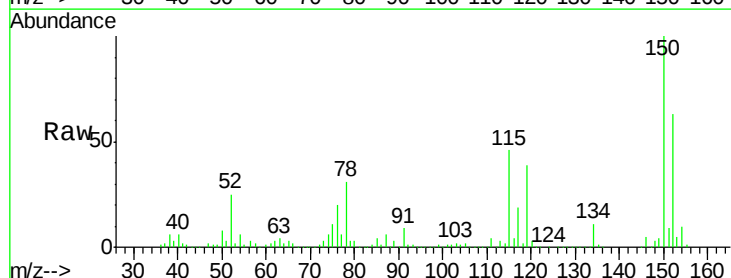
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

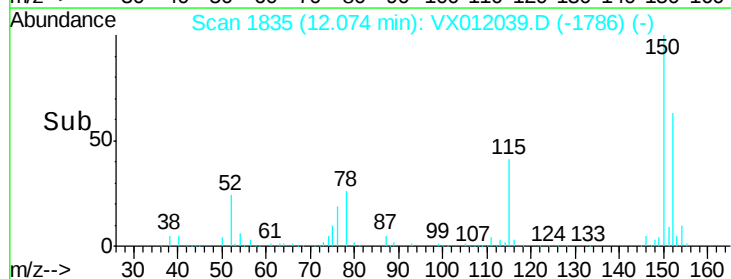
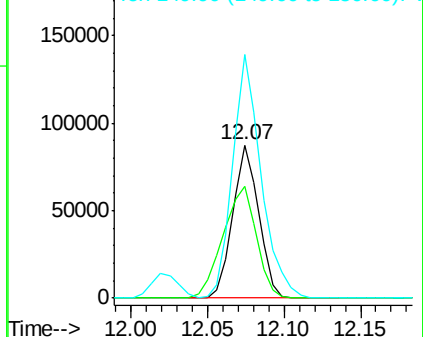
Lab File: VX012039.D

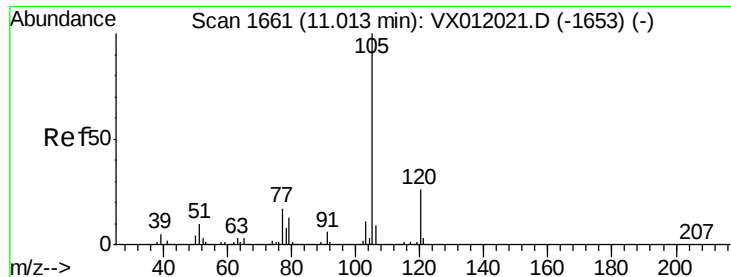
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	93.2	36.4	109.3
150	174.4	0.0	341.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.696 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 397573

Ion Ratio Lower Upper

105 100

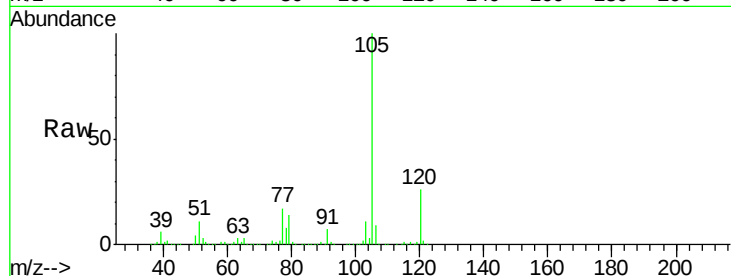
120 25.9 13.9 41.6

Manual Integrations

APPROVED

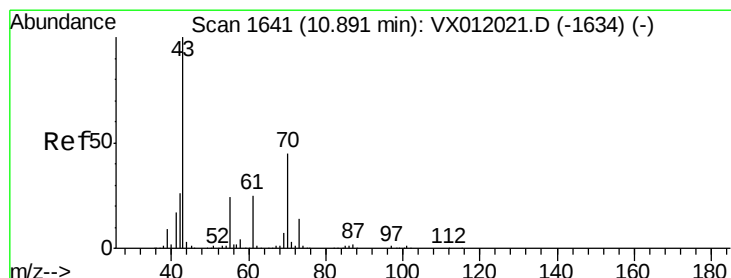
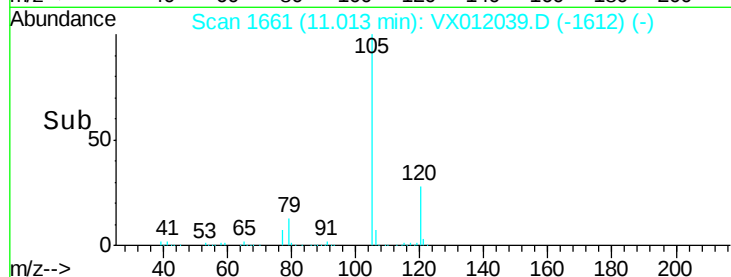
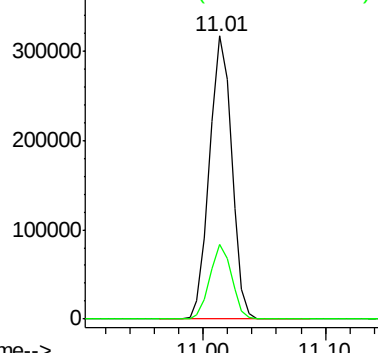
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.944 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion: 43 Resp: 113639

Ion Ratio Lower Upper

43 100

70 41.2 34.4 51.6

55 23.5 18.5 27.7

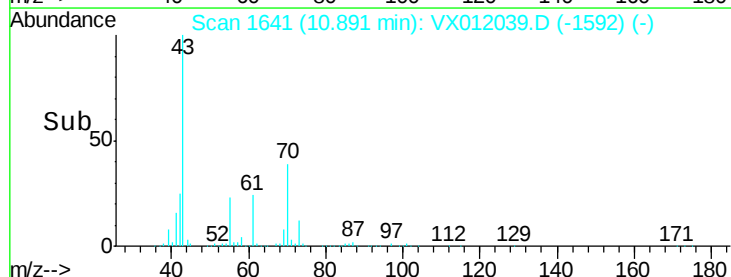
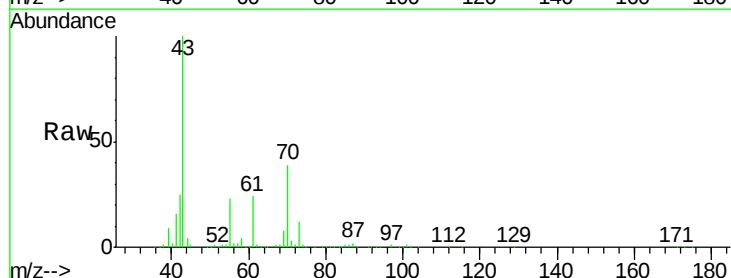
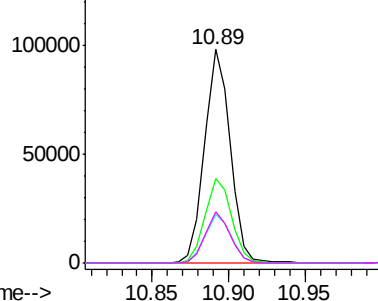
61 23.5 19.5 29.3

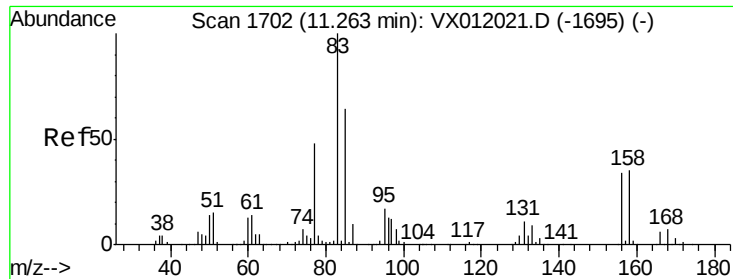
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.189 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

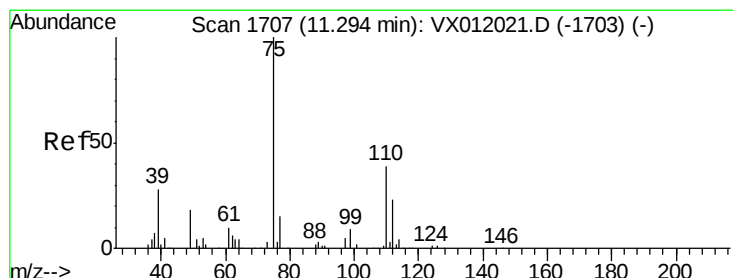
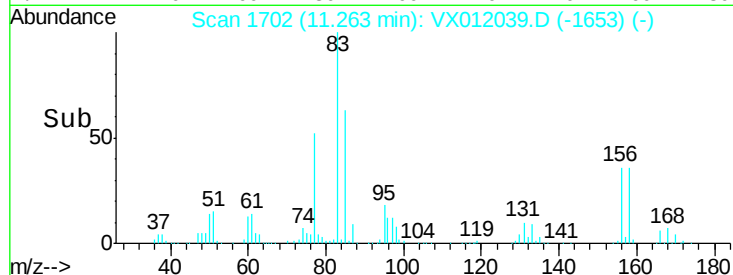
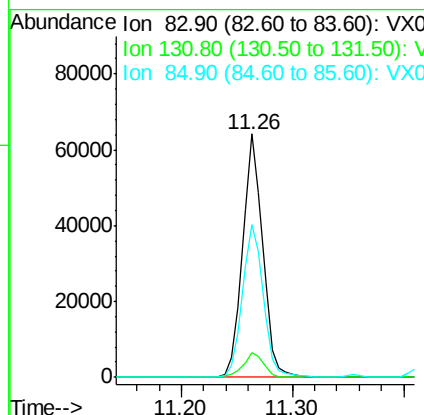
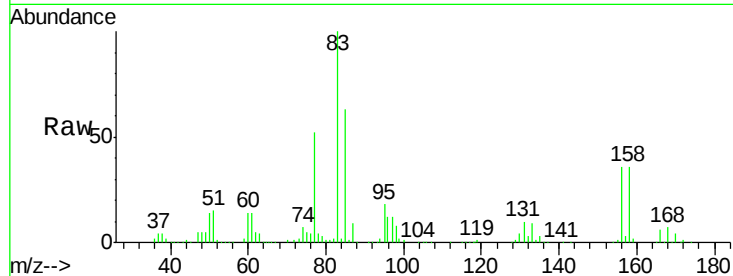
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	80513
Ion Ratio	Lower	Upper	
83	100		
131	10.5	6.3	19.1
85	65.1	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.426 ug/l m

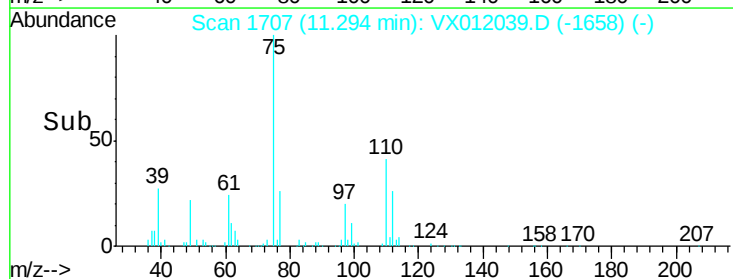
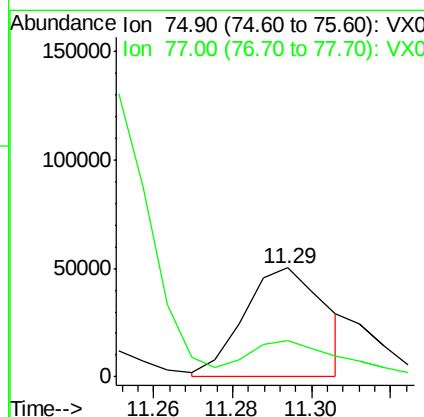
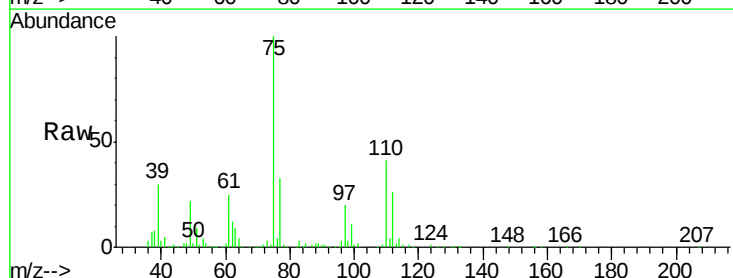
RT: 11.29 min Scan# 1707

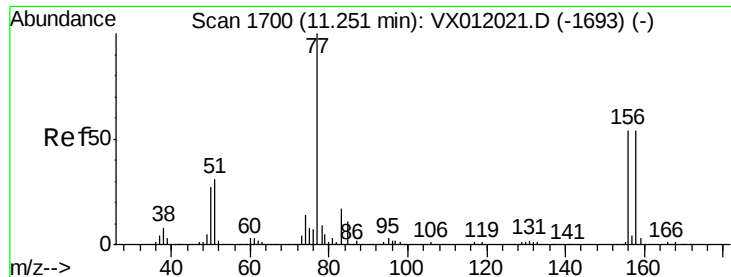
Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Tgt Ion:	75	Resp:	72149
Ion Ratio	Lower	Upper	
75	100		
77	38.6	23.5	70.5





#77

Bromobenzene

Concen: 54.165 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 91396

Ion Ratio Lower Upper

156 100

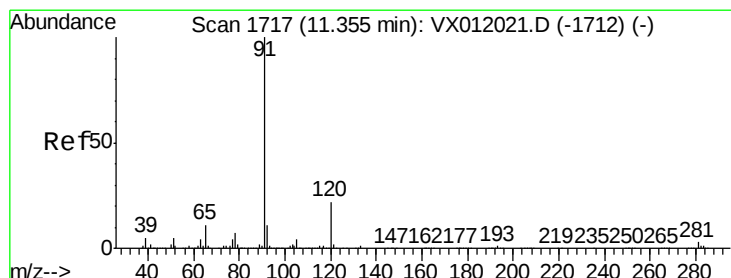
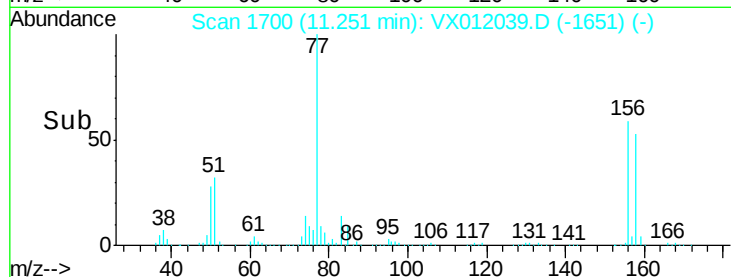
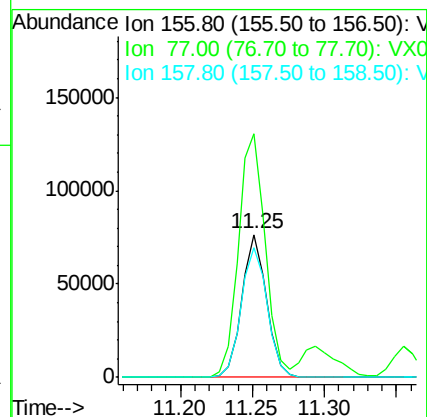
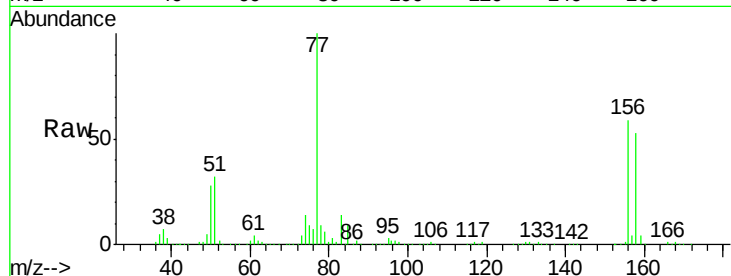
77 185.7 63.4 190.2

158 95.7 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.032 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012039.D

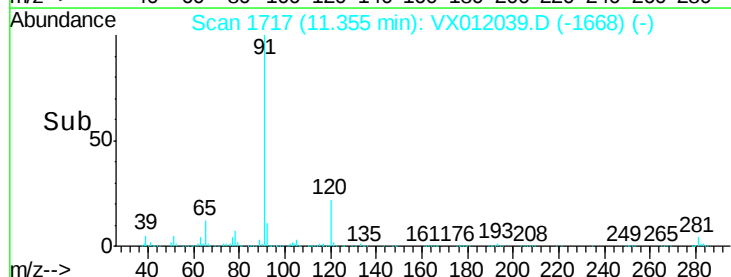
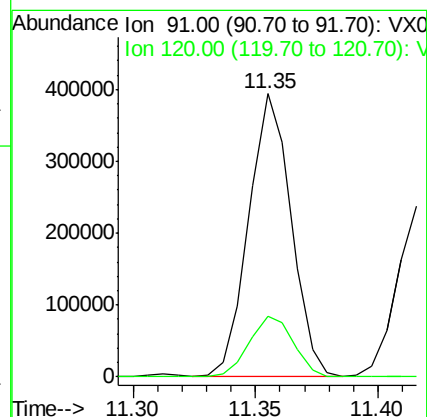
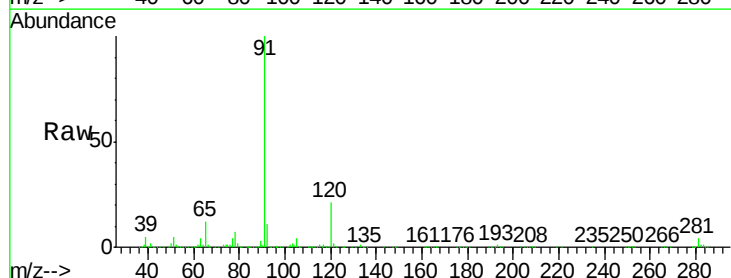
Acq: 03 Sep 2019 23:10

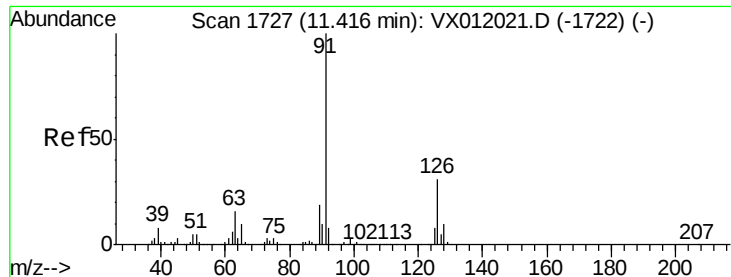
Tgt Ion: 91 Resp: 474253

Ion Ratio Lower Upper

91 100

120 22.3 12.7 38.0





#79

2-Chlorotoluene

Concen: 52.021 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 287259

Ion Ratio Lower Upper

91 100

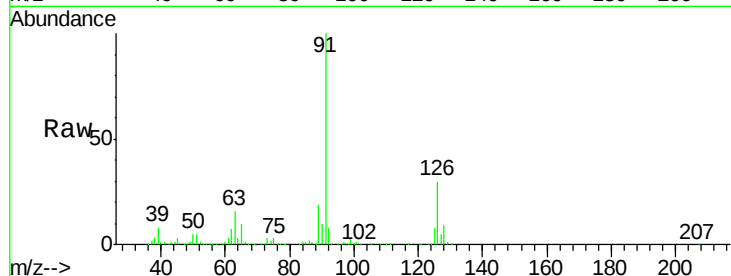
126 31.6 18.6 55.8

Manual Integrations

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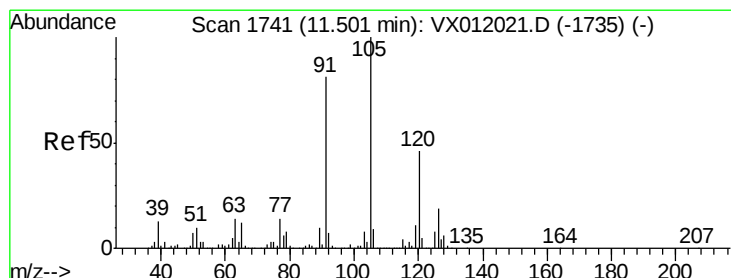
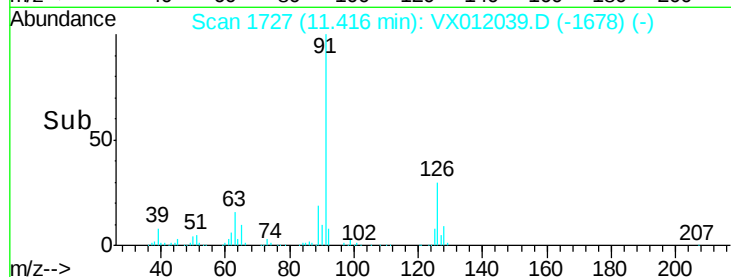
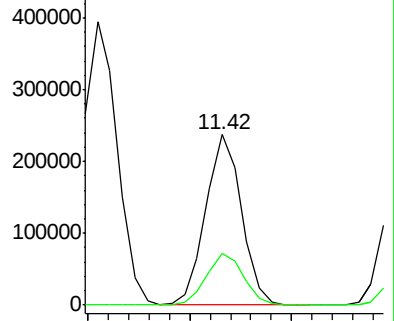
sam

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Abundance Ion 91.00 (90.70 to 91.70): VX012021.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX012021.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.980 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012039.D

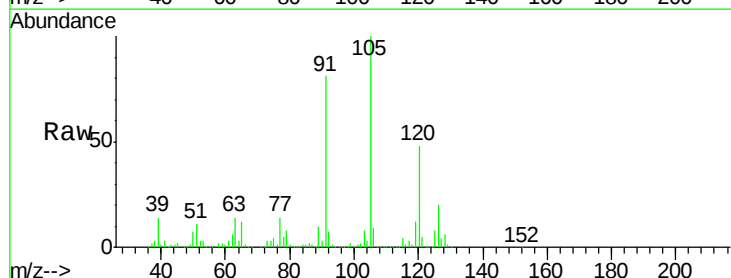
Acq: 03 Sep 2019 23:10

Tgt Ion: 105 Resp: 343669

Ion Ratio Lower Upper

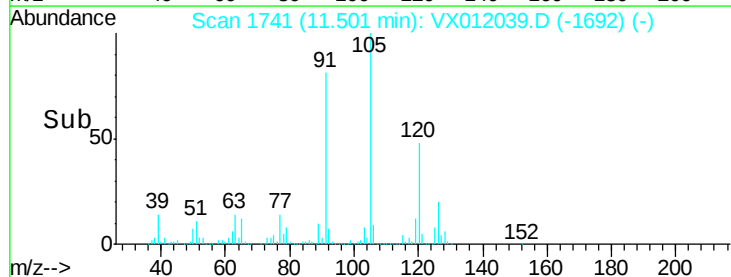
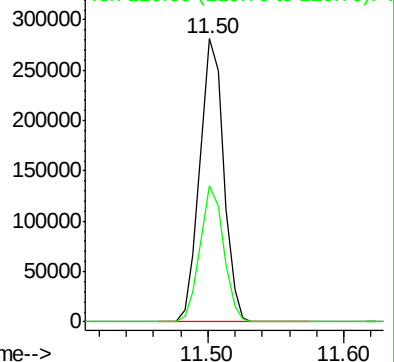
105 100

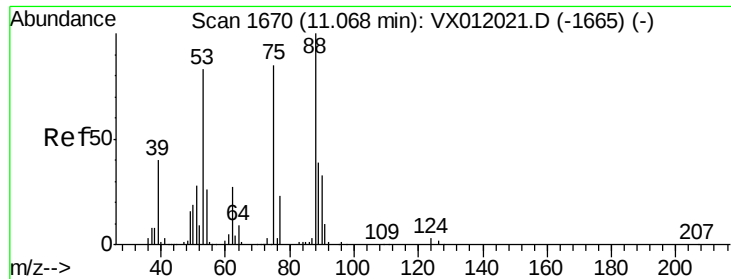
120 47.8 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VX012021.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012021.D (-1735) (-)





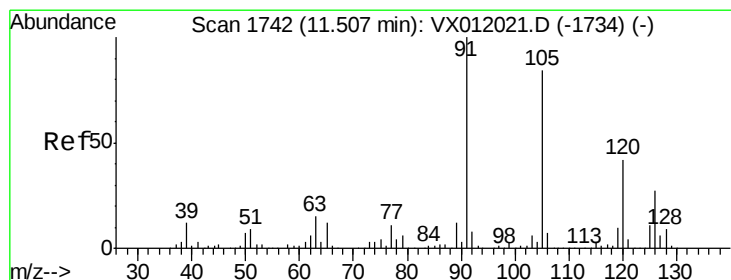
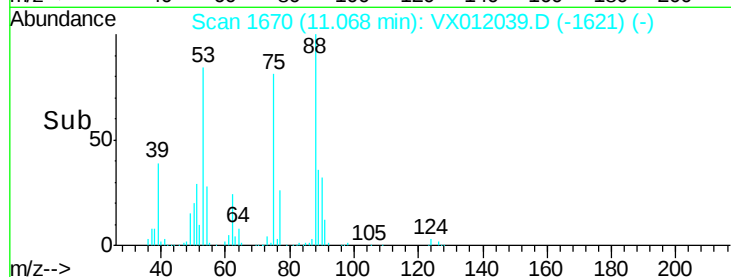
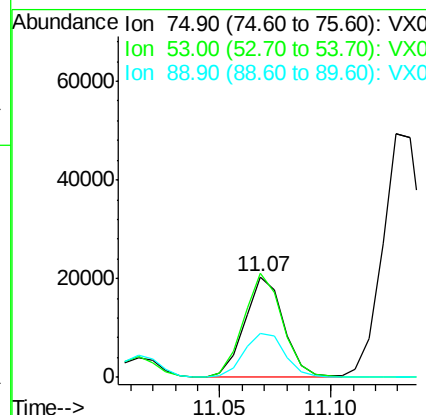
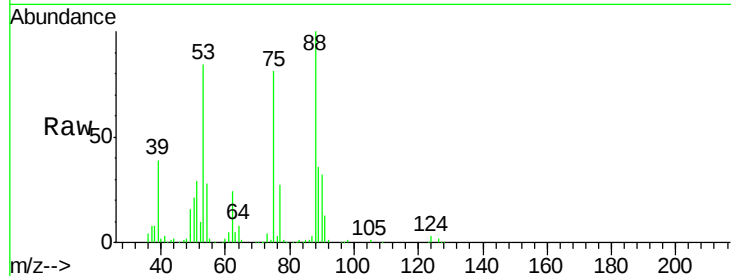
#81
trans-1,4-Dichloro-2-butene
Concen: 46.341 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	78.6	117.8
89	46.3	38.8	58.2

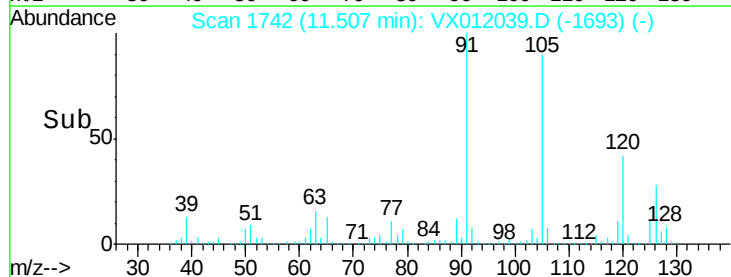
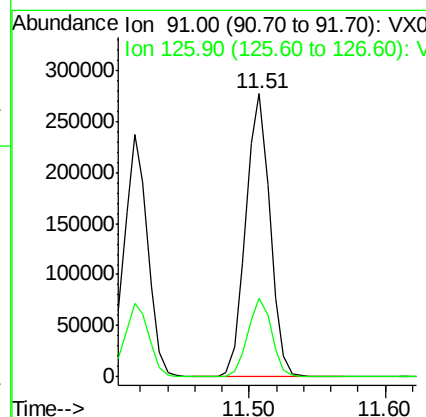
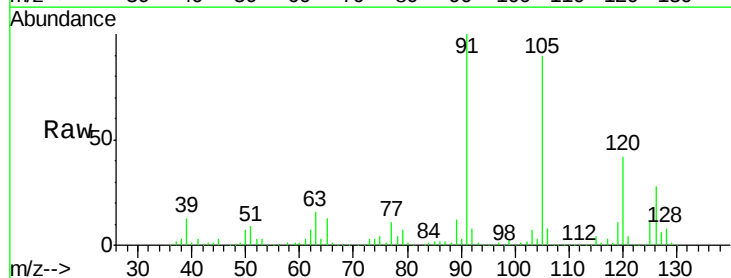
Manual Integrations
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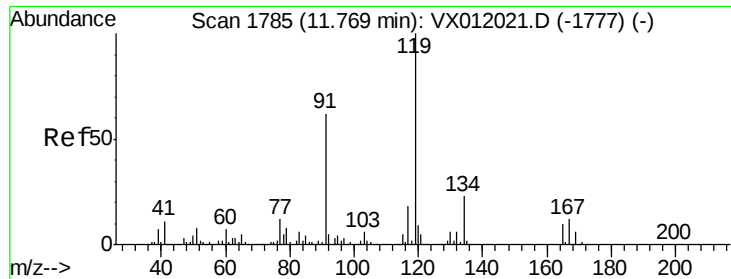
sam
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#82
4-Chlorotoluene
Concen: 52.282 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.2	48.6





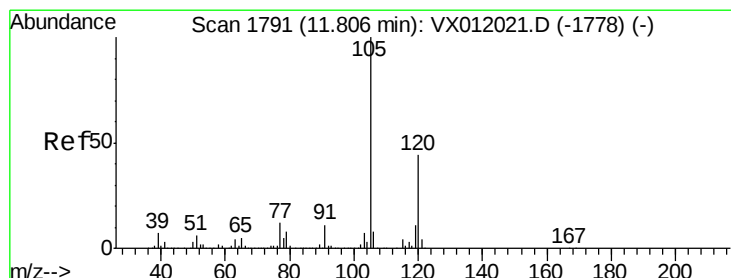
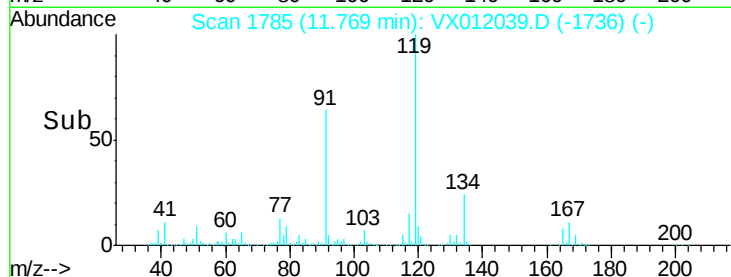
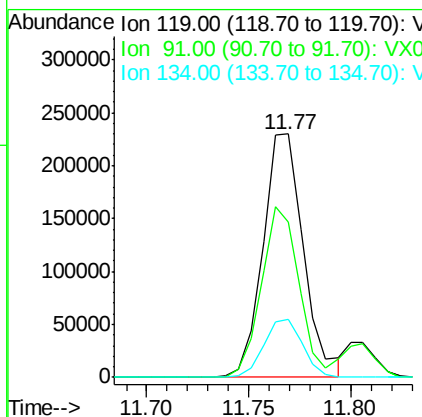
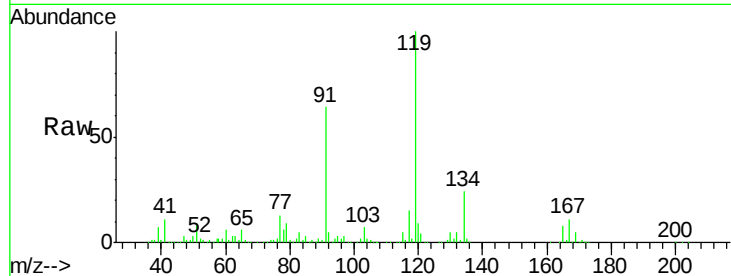
#83
tert-Butylbenzene
Concen: 50.706 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	319535		
91	64.5	27.1	81.2	
134	22.9	12.1	36.3	

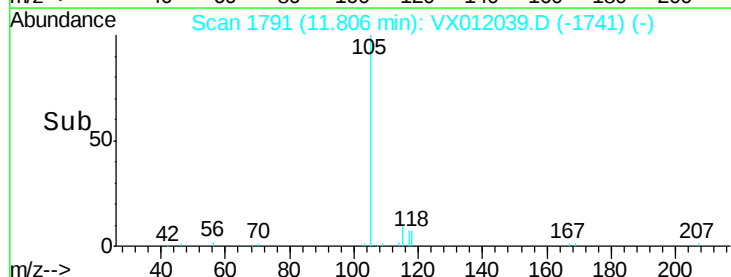
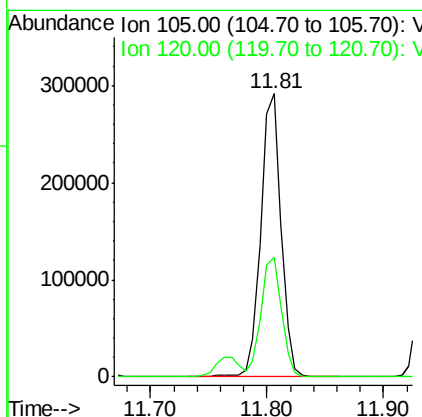
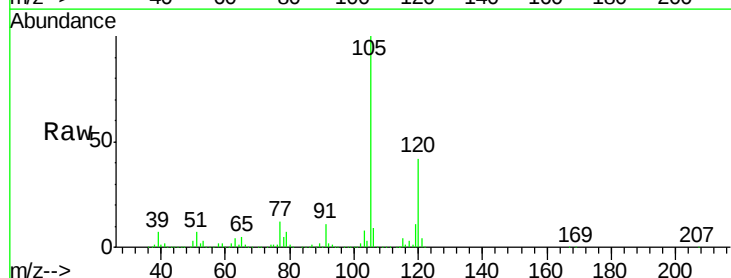
Manual Integrations
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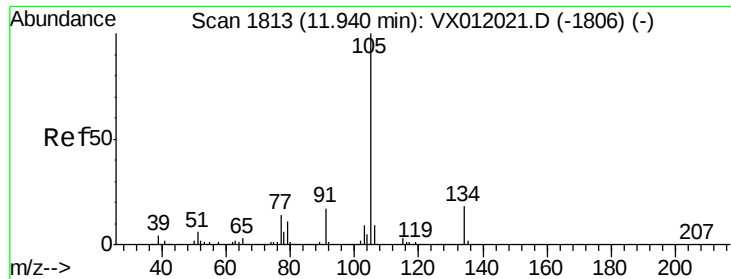
sam
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#84
1,2,4-Trimethylbenzene
Concen: 52.345 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355698		
120	42.7	23.6	70.8	





#85

sec-Butylbenzene

Concen: 50.583 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 395919

Ion Ratio Lower Upper

105 100

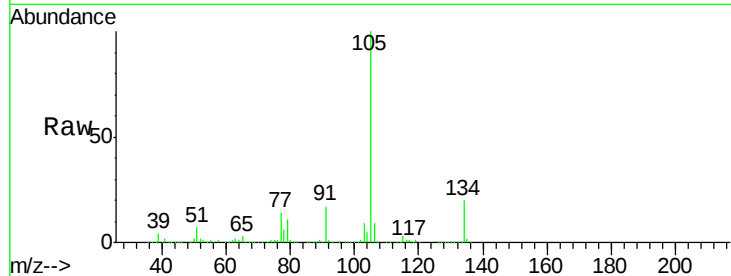
134 19.4 11.2 33.6

Manual Integrations

APPROVED

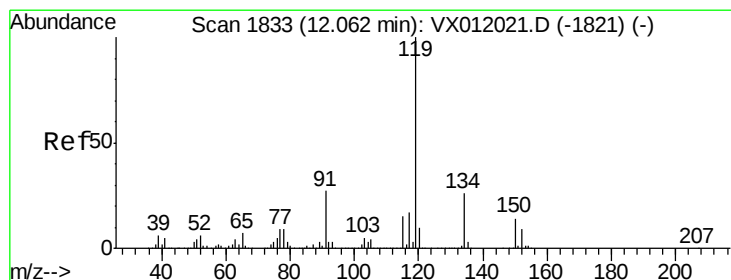
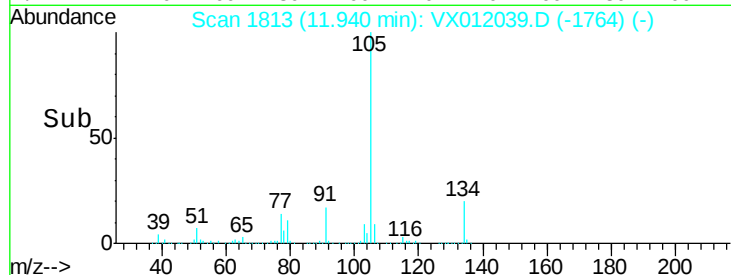
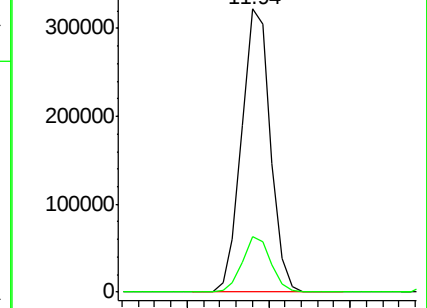
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.328 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012039.D

Acq: 03 Sep 2019 23:10

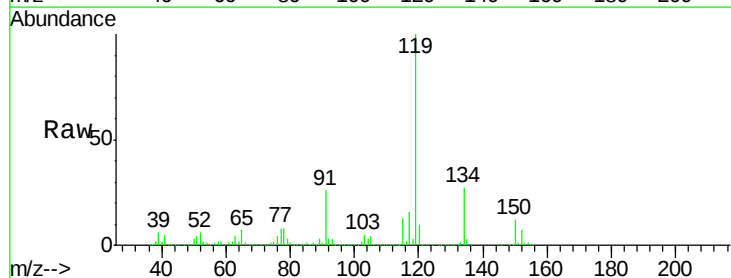
Tgt Ion:119 Resp: 358252

Ion Ratio Lower Upper

119 100

134 25.8 13.7 41.1

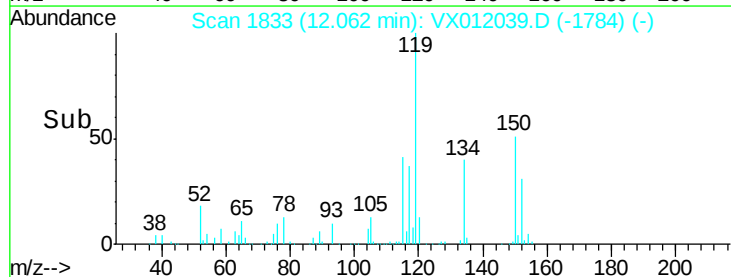
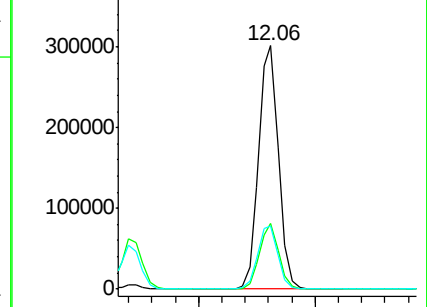
91 26.3 11.4 34.1

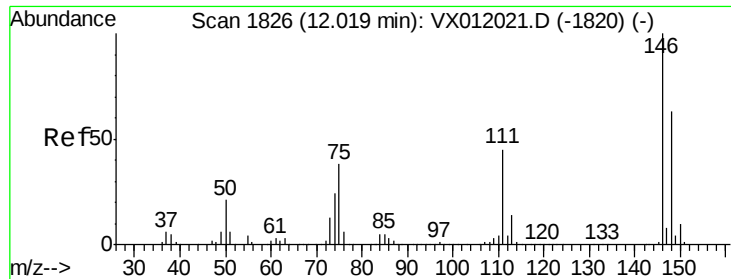


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





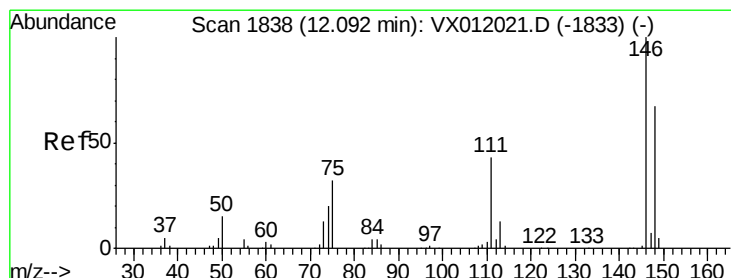
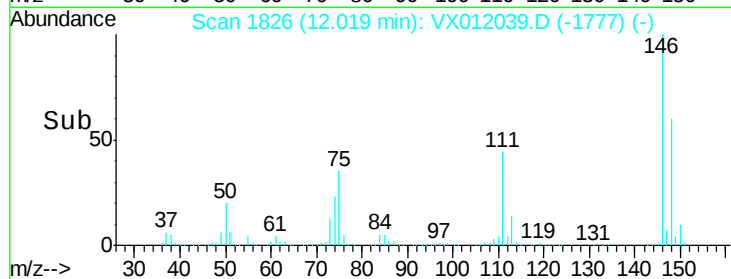
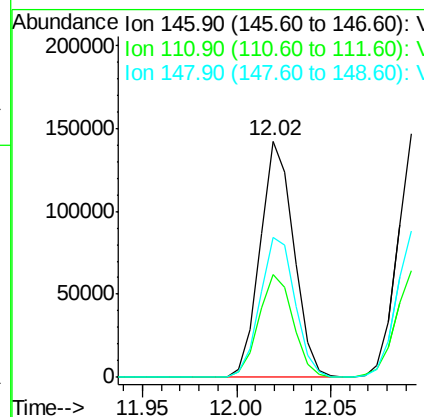
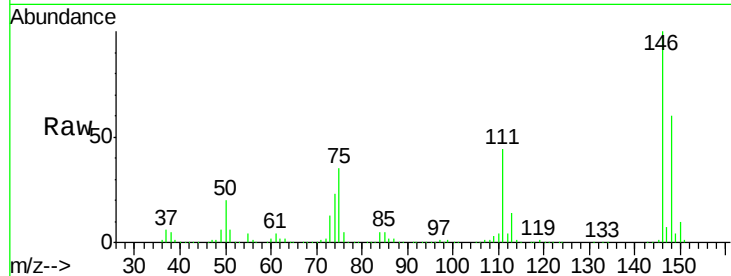
#87
 1,3-Dichlorobenzene
 Concen: 52.108 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	18.1	54.1
148	61.6	32.6	97.8

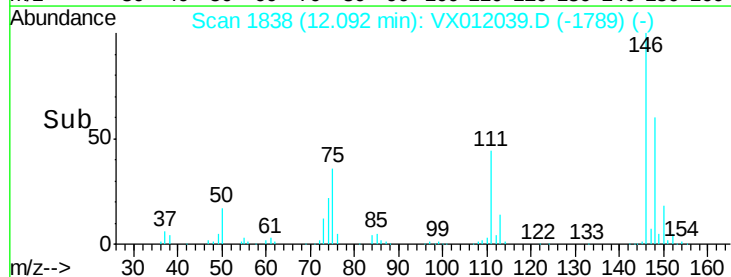
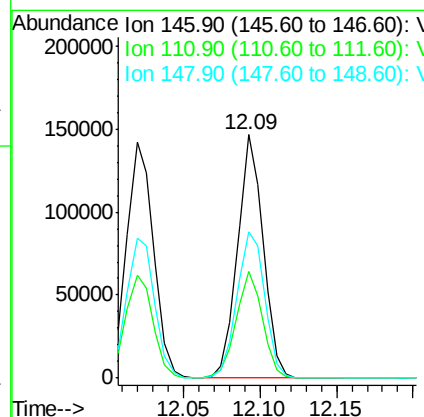
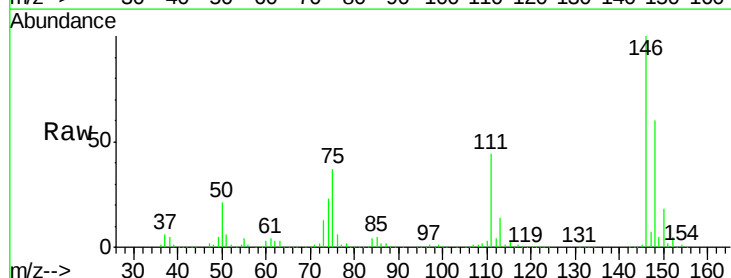
Manual Integrations
 APPROVED

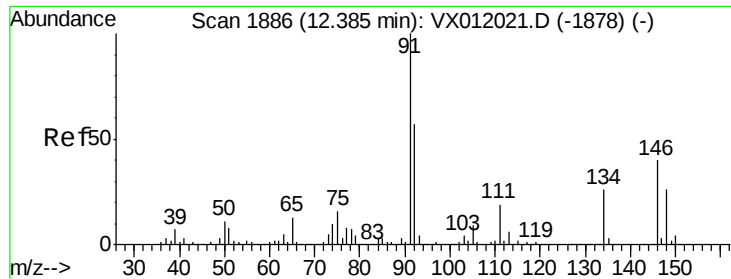
sam
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#88
 1,4-Dichlorobenzene
 Concen: 50.229 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	17.7	53.1
148	65.2	32.4	97.0





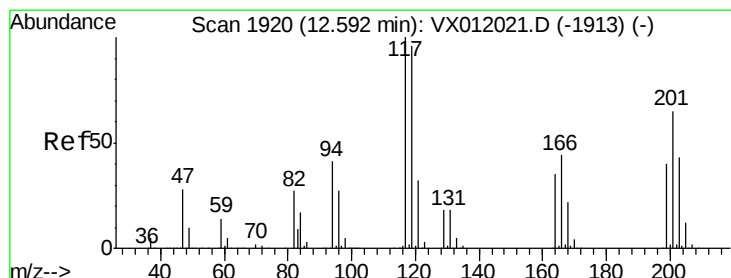
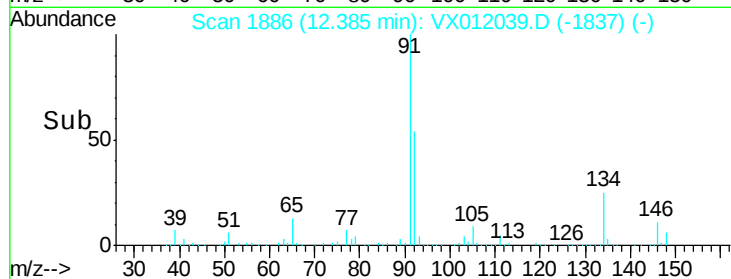
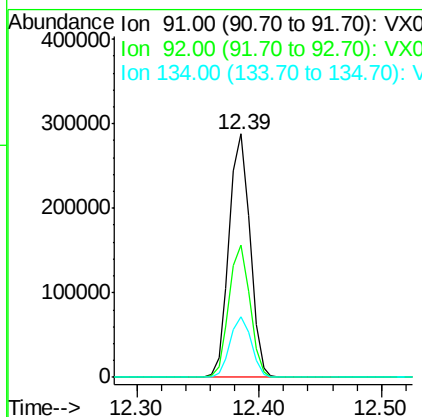
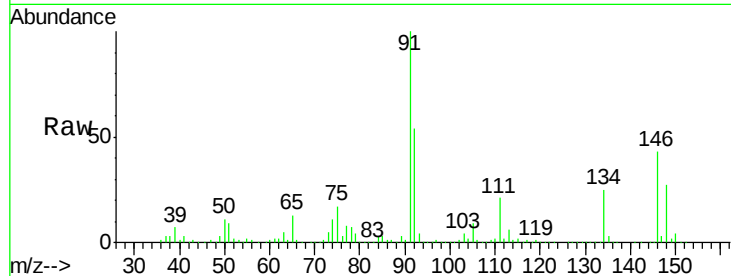
#89
n-Butylbenzene
Concen: 49.379 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.8
134	24.9	15.4	46.1

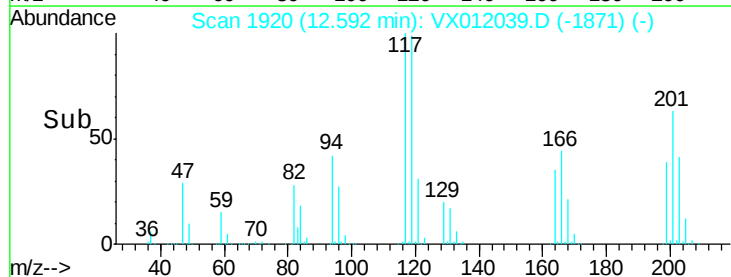
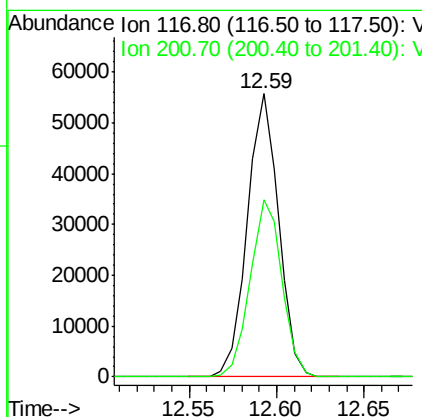
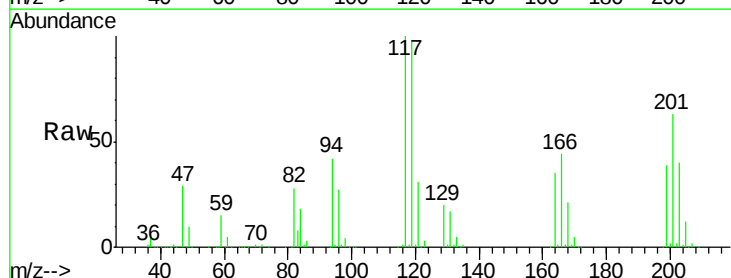
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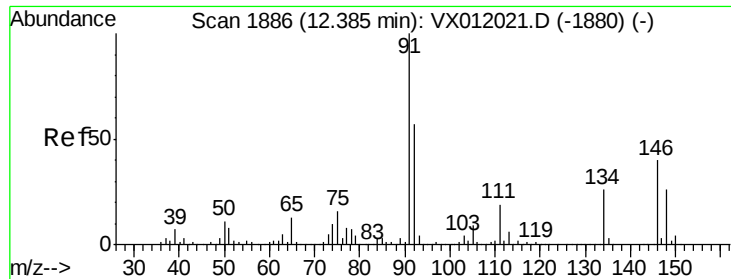
sam
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#90
Hexachloroethane
Concen: 48.977 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.8	55.0	165.2





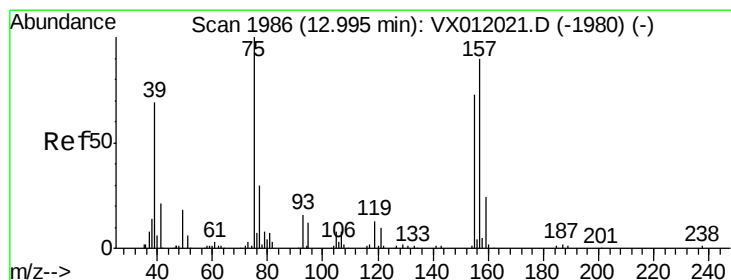
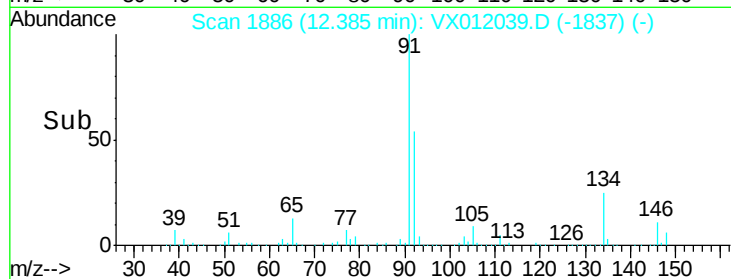
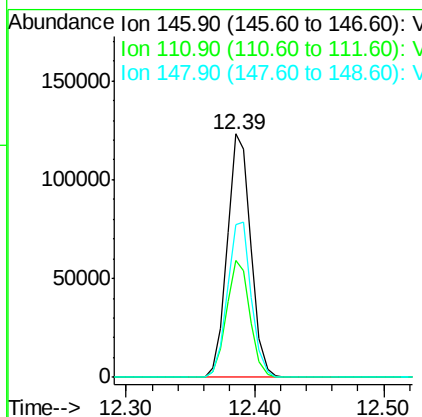
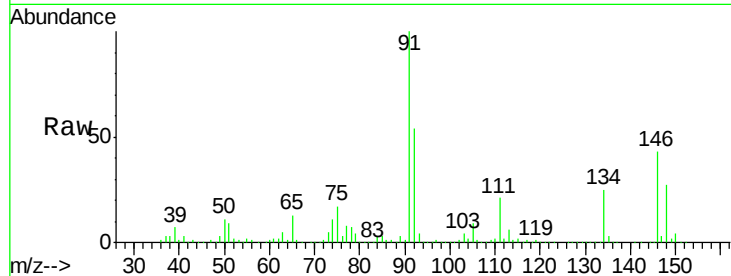
#91
 1,2-Dichlorobenzene
 Concen: 51.898 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158036		
111	47.9	18.6	56.0	
148	64.7	32.4	97.2	

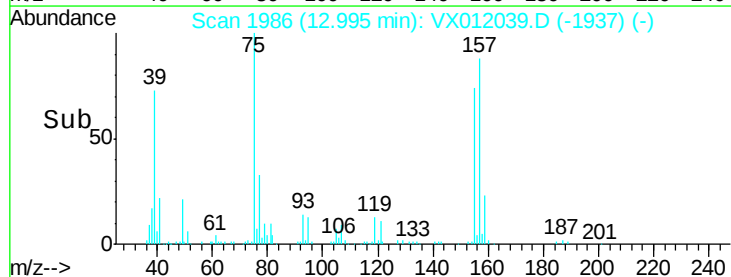
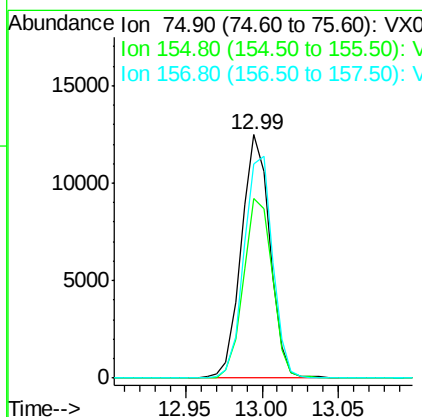
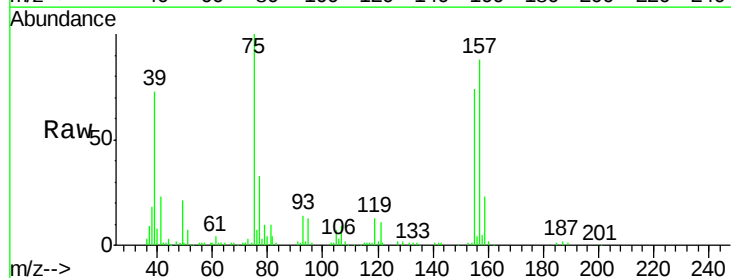
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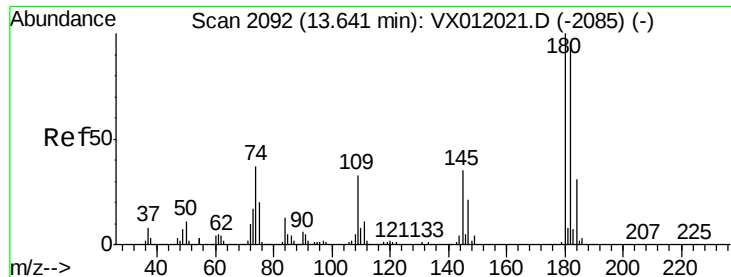
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.184 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16188		
155	74.4	51.7	155.2	
157	91.2	66.9	200.7	





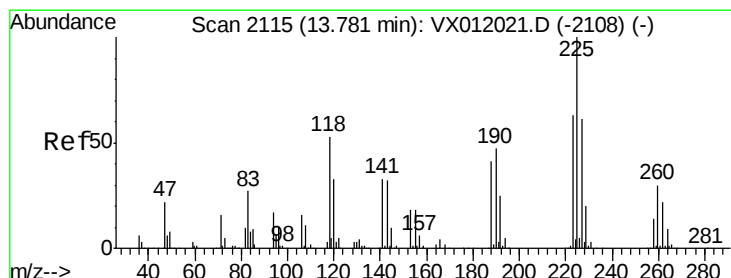
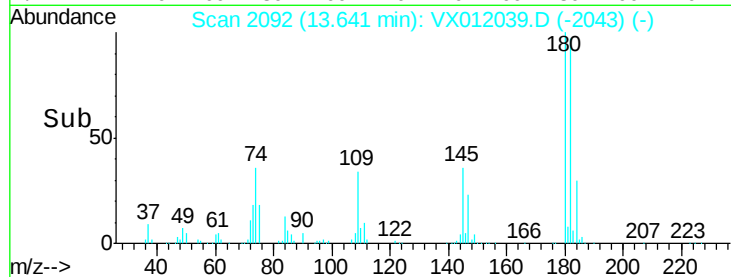
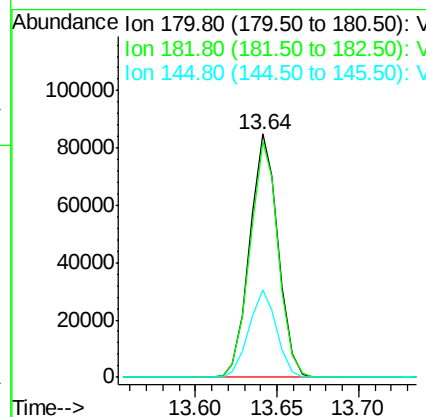
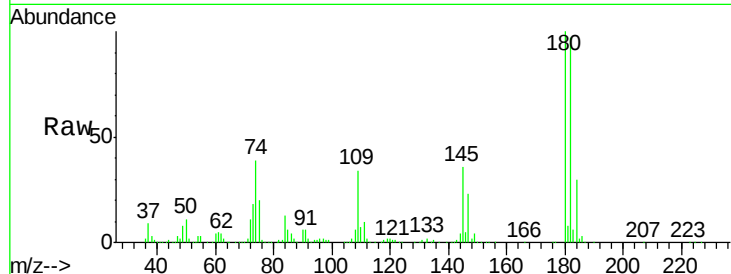
#93
 1,2,4-Trichlorobenzene
 Concen: 47.422 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	142.0
145	35.3	13.7	41.0

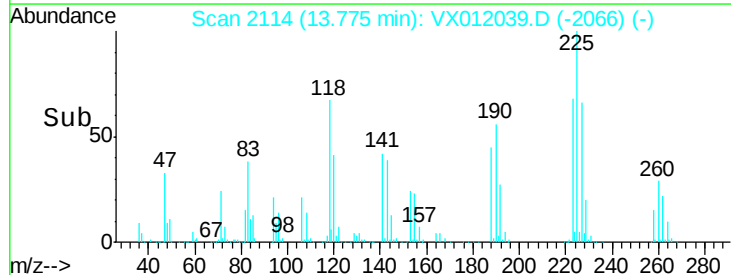
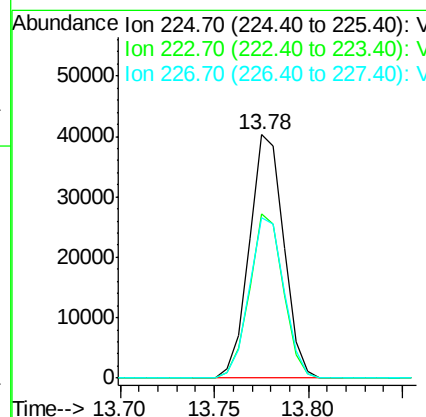
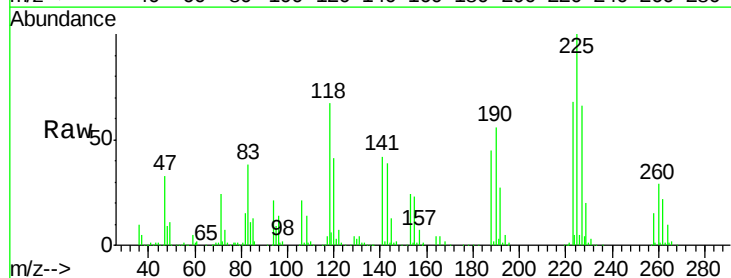
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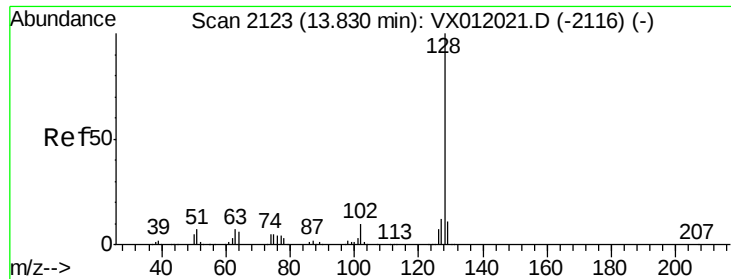
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#94
 Hexachlorobutadiene
 Concen: 46.628 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012039.D
 Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	31.6	95.0
227	66.4	32.5	97.5





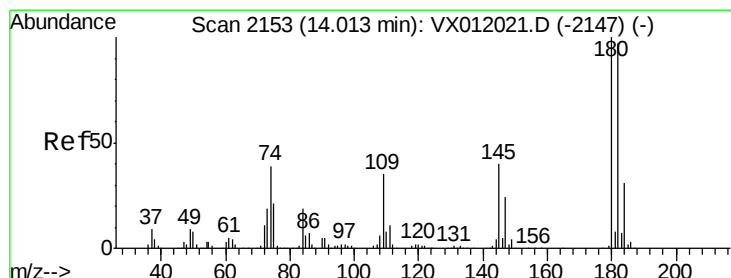
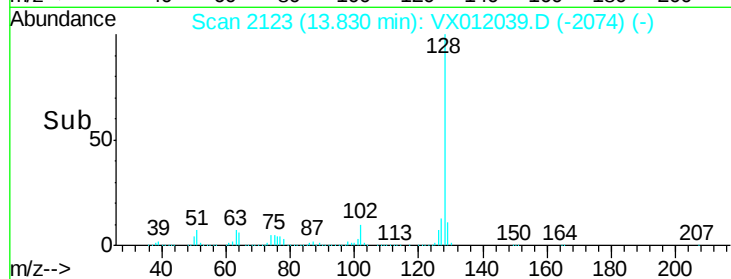
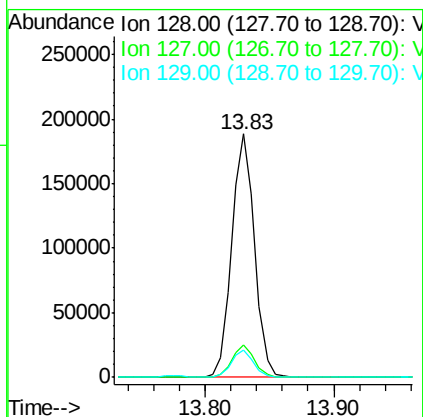
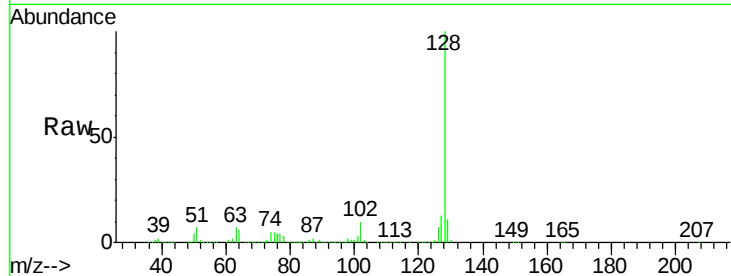
#95
Naphthalene
Concen: 49.627 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.387 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VX012039.D
Acq: 03 Sep 2019 23:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.6
145	37.4	14.1	42.4

