

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012067.D
 Acq On : 04 Sep 2019 22:43
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/5/2019 2:56:30 PM

Quant Time: Sep 05 05:55:08 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	143740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271024	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	102819	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	5.48	113	83112	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	8.71	98	308755	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.14	95	135565	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	62819	47.392	ug/l	98
3) Chloromethane	1.31	50	68936	50.781	ug/l	99
4) Vinyl Chloride	1.39	62	63816	49.966	ug/l	99
5) Bromomethane	1.62	94	32843	51.838	ug/l	97
6) Chloroethane	1.71	64	41953	52.839	ug/l	99
7) Trichlorofluoromethane	1.92	101	100695	50.761	ug/l	100
8) Diethyl Ether	2.17	74	36551	53.319	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72975	49.667	ug/l #	83
10) Methyl Iodide	2.50	142	65865	45.077	ug/l	94
11) Tert butyl alcohol	3.03	59	46705	245.172	ug/l	96
12) 1,1-Dichloroethene	2.36	96	71701	50.658	ug/l	90
13) Acrolein	2.28	56	10837	223.024	ug/l	97
14) Allyl chloride	2.72	41	134659	52.579	ug/l	98
15) Acrylonitrile	3.12	53	111027	257.742	ug/l	99
16) Acetone	2.43	43	99613	210.128	ug/l	99
17) Carbon Disulfide	2.56	76	222548	53.801	ug/l	99
18) Methyl Acetate	2.76	43	58289	52.195	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	241231	52.351	ug/l	100
20) Methylene Chloride	2.84	84	91311	47.966	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	86662	52.176	ug/l	90
22) Diisopropyl ether	3.84	45	275155	52.710	ug/l	97
23) Vinyl Acetate	3.80	43	897357	265.735	ug/l	98
24) 1,1-Dichloroethane	3.68	63	158677	52.410	ug/l	98
25) 2-Butanone	4.65	43	151237	250.625	ug/l	99
26) 2,2-Dichloropropane	4.57	77	127987	45.788	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	101720	52.246	ug/l	94
28) Bromochloromethane	5.00	49	62731	51.907	ug/l #	80
29) Tetrahydrofuran	5.11	42	95735	263.318	ug/l	99
30) Chloroform	5.19	83	170125	52.368	ug/l	99
31) Cyclohexane	5.56	56	118953	48.921	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	147262	52.047	ug/l	97
36) 1,1-Dichloropropene	5.79	75	118978	49.843	ug/l	96
37) Ethyl Acetate	4.81	43	66739	51.415	ug/l	99
38) Carbon Tetrachloride	5.77	117	125635	49.948	ug/l	98

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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	129201	46.635	ug/l	95
40) Benzene	6.13	78	353397	51.570	ug/l	99
41) Methacrylonitrile	5.03	41	39804	51.420	ug/l	98
42) 1,2-Dichloroethane	6.18	62	130362	52.863	ug/l	97
43) Isopropyl Acetate	6.43	43	137595	52.132	ug/l	98
44) Trichloroethene	7.20	130	92941	50.284	ug/l	84
45) 1,2-Dichloropropane	7.51	63	90041	50.856	ug/l	98
46) Dibromomethane	7.65	93	53278	51.549	ug/l #	74
47) Bromodichloromethane	7.89	83	136429	51.931	ug/l	97
48) Methyl methacrylate	7.76	41	68239	51.420	ug/l	96
49) 1,4-Dioxane	7.73	88	17606	973.183	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	343391	255.788	ug/l	98
52) Toluene	8.78	92	226341	50.764	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	133833	49.206	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	150755	49.844	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	73990	50.073	ug/l	97
56) Ethyl methacrylate	9.17	69	108516	51.271	ug/l	96
57) 1,3-Dichloropropane	9.37	76	130219	51.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	227391	238.303	ug/l	94
59) 2-Hexanone	9.48	43	243332	248.405	ug/l	98
60) Dibromochloromethane	9.57	129	90108	51.167	ug/l	99
61) 1,2-Dibromoethane	9.67	107	73185	51.256	ug/l	96
64) Tetrachloroethene	9.33	164	81233	52.254	ug/l	89
65) Chlorobenzene	10.14	112	243696	49.533	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	91521	50.875	ug/l	97
67) Ethyl Benzene	10.25	91	446081	49.741	ug/l	97
68) m/p-Xylenes	10.36	106	327641	99.160	ug/l	91
69) o-Xylene	10.70	106	158966	49.615	ug/l	90
70) Styrene	10.71	104	281613	50.603	ug/l	95
71) Bromoform	10.85	173	49198	49.792	ug/l #	100
73) Isopropylbenzene	11.01	105	425994	48.417	ug/l	96
74) N-amyl acetate	10.89	43	130156	50.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	88106	48.034	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	68687m	46.879	ug/l	
77) Bromobenzene	11.25	156	99493	50.561	ug/l	71
78) n-propylbenzene	11.35	91	501997	47.226	ug/l	94
79) 2-Chlorotoluene	11.42	91	312526	48.531	ug/l	91
80) 1,3,5-Trimethylbenzene	11.50	105	374064	48.514	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	27224	43.927	ug/l	94
82) 4-Chlorotoluene	11.51	91	378390	49.298	ug/l	91
83) tert-Butylbenzene	11.77	119	350949	47.754	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	384716	48.547	ug/l	94
85) sec-Butylbenzene	11.94	105	427547	46.839	ug/l	94
86) p-Isopropyltoluene	12.06	119	398352	47.986	ug/l	93
87) 1,3-Dichlorobenzene	12.02	146	191193	48.488	ug/l	94
88) 1,4-Dichlorobenzene	12.09	146	186945	47.416	ug/l	93
89) n-Butylbenzene	12.39	91	383560	47.564	ug/l	94
90) Hexachloroethane	12.59	117	77859	46.973	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	176603	49.730	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	18858	49.130	ug/l	67

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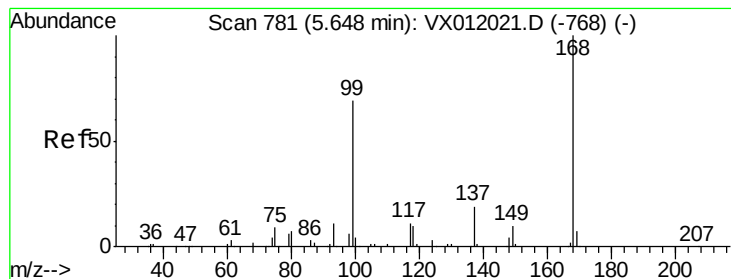
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	120398	47.633	ug/l	96
94) Hexachlorobutadiene	13.78	225	58948	46.265	ug/l	98
95) Naphthalene	13.83	128	272850	49.876	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	107392	48.293	ug/l	96

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



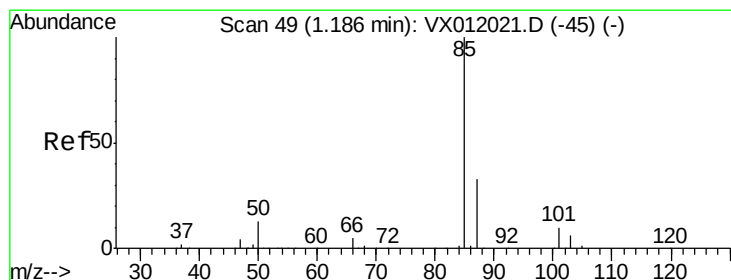
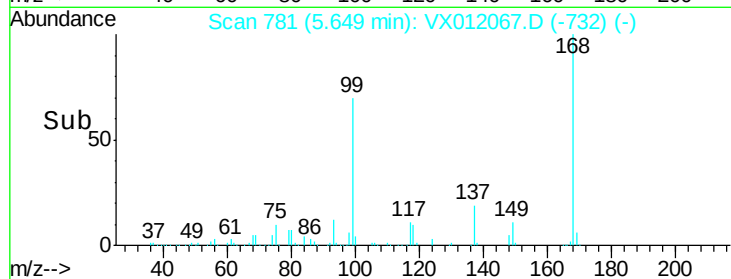
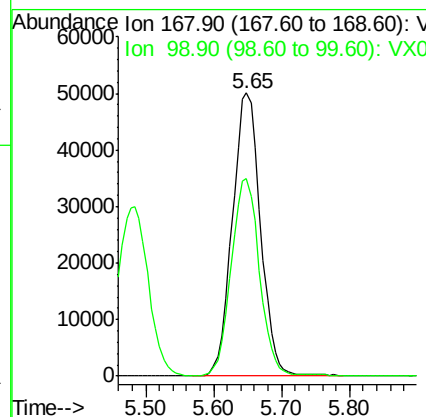
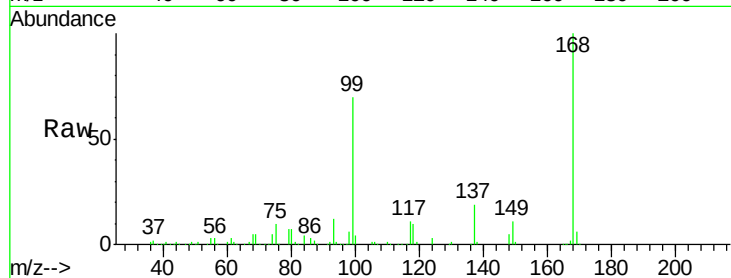
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	143740		
99	69.4	37.6	56.4#	

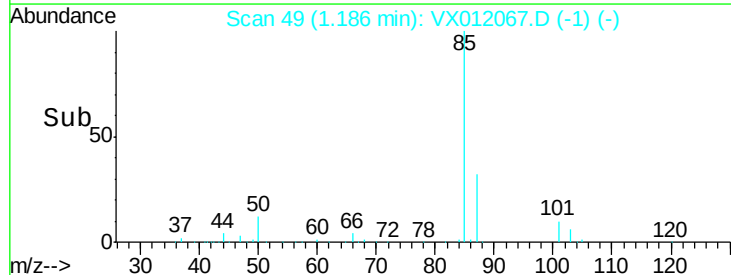
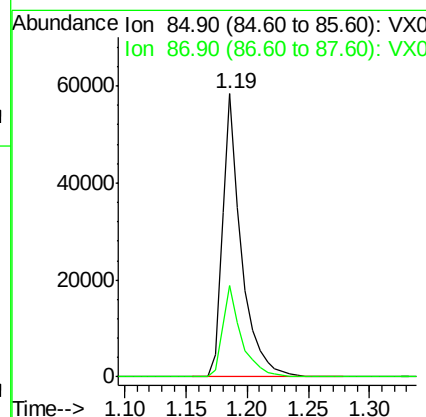
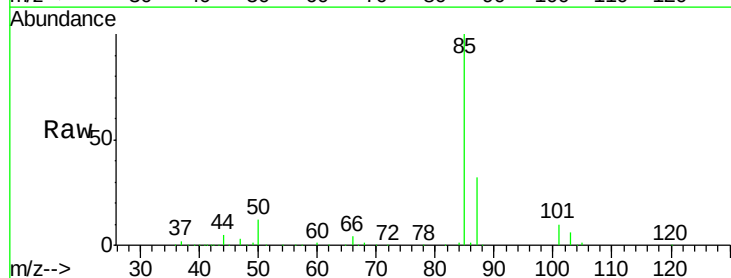
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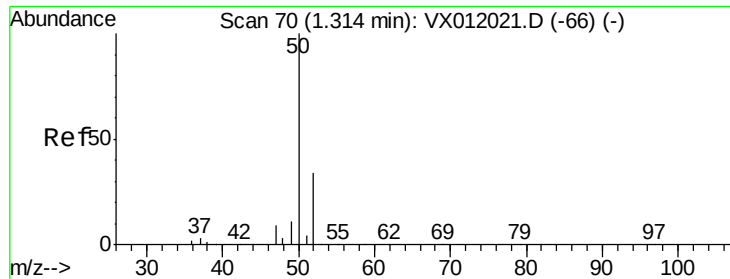
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#2
Dichlorodifluoromethane
Concen: 47.392 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	62819		
87	32.3	15.6	46.8	





#3

Chloromethane

Concen: 50.781 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 68936

Ion Ratio Lower Upper

50 100

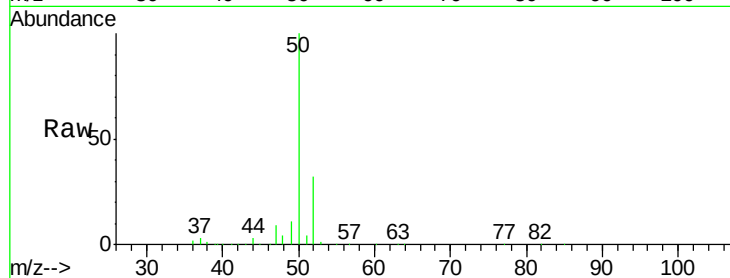
52 32.4 26.5 39.7

Manual Integrations

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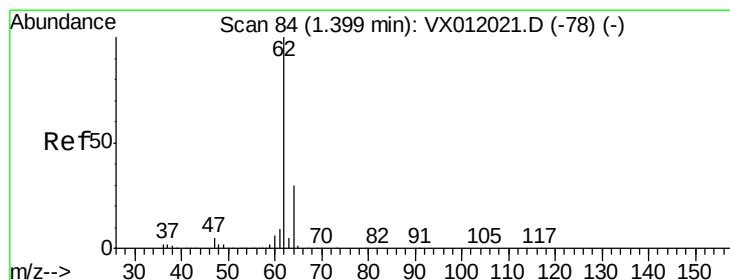
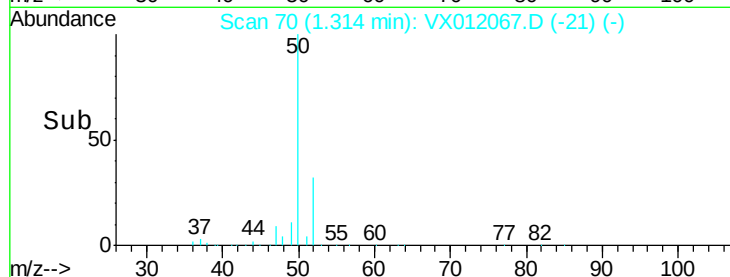
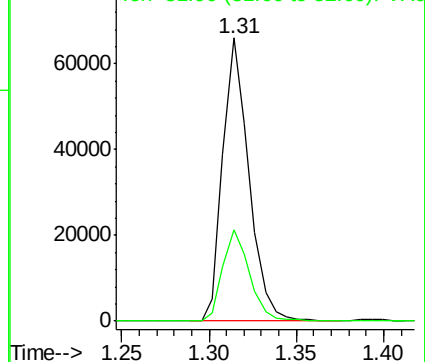
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.966 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012067.D

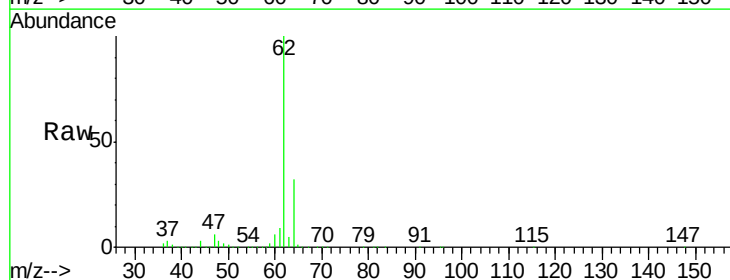
Acq: 04 Sep 2019 22:43

Tgt Ion: 62 Resp: 63816

Ion Ratio Lower Upper

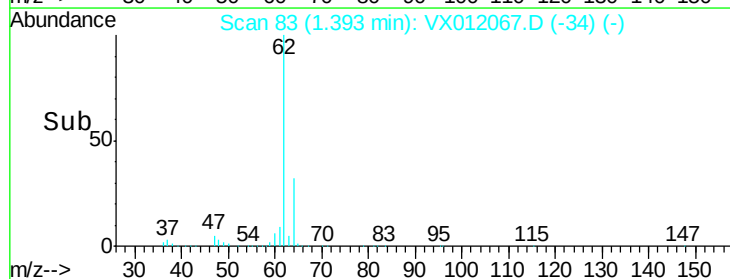
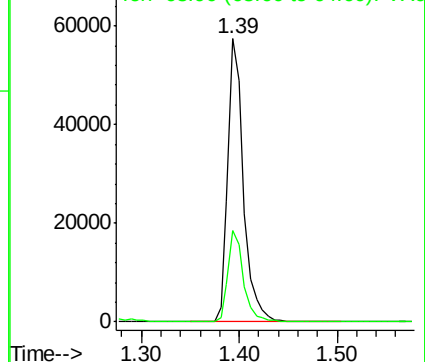
62 100

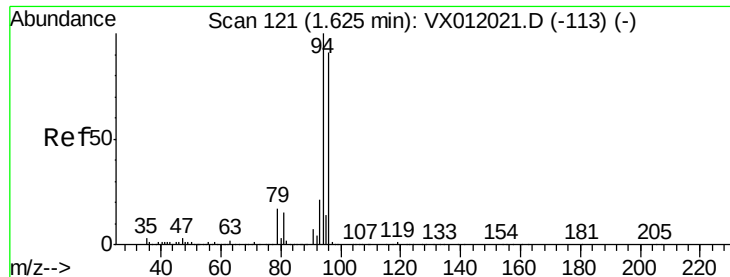
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 51.838 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 32843

Ion Ratio Lower Upper

94 100

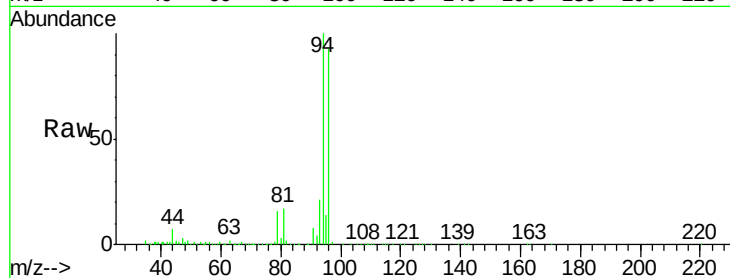
96 92.9 76.3 114.5

Manual Integrations

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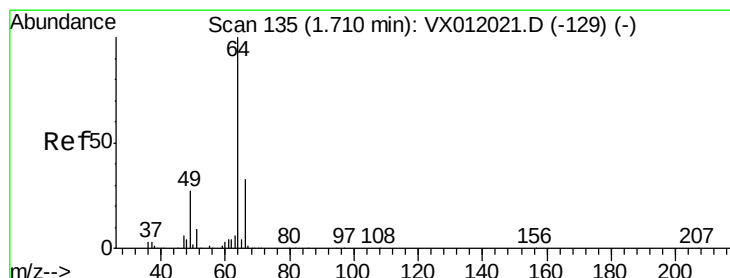
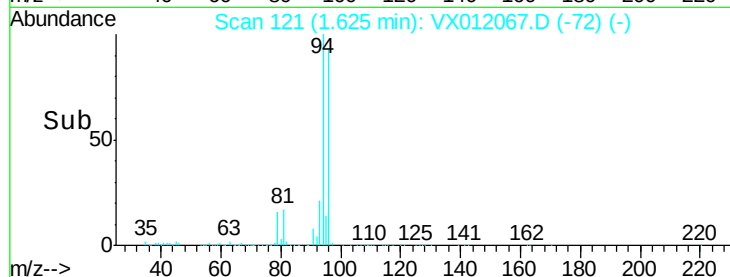
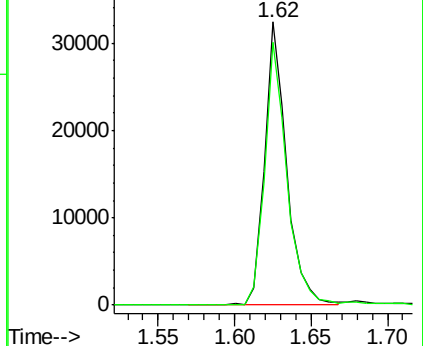
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.839 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012067.D

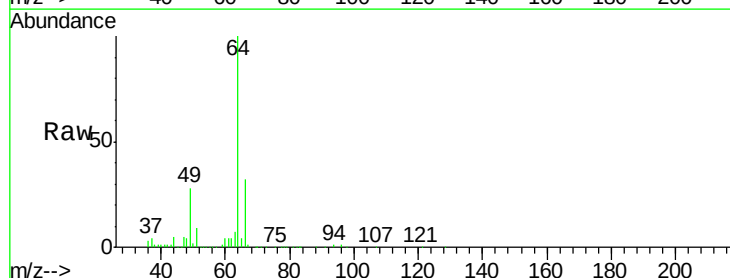
Acq: 04 Sep 2019 22:43

Tgt Ion: 64 Resp: 41953

Ion Ratio Lower Upper

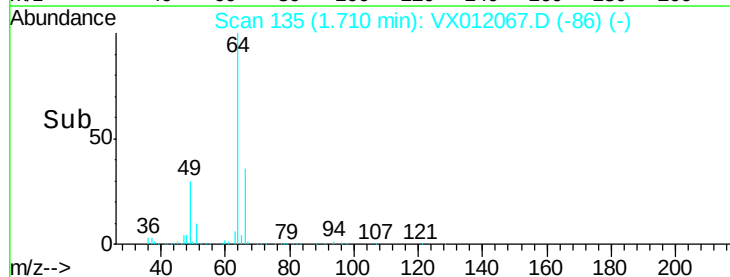
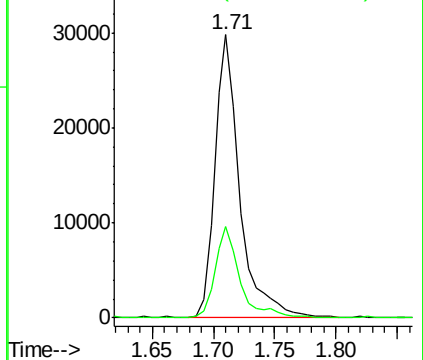
64 100

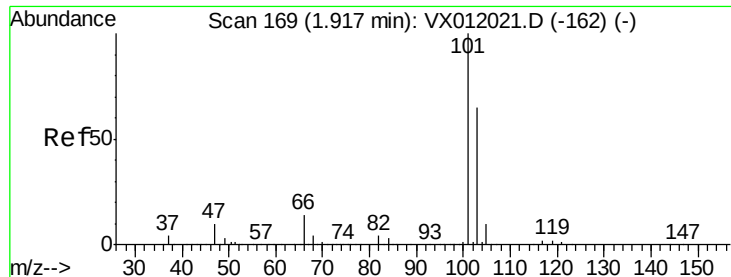
66 32.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

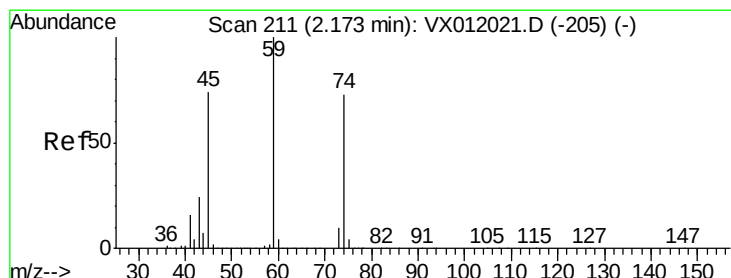
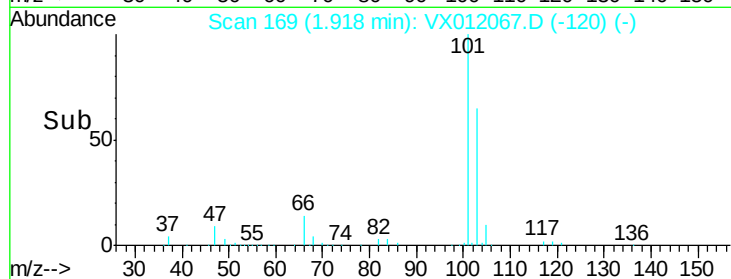
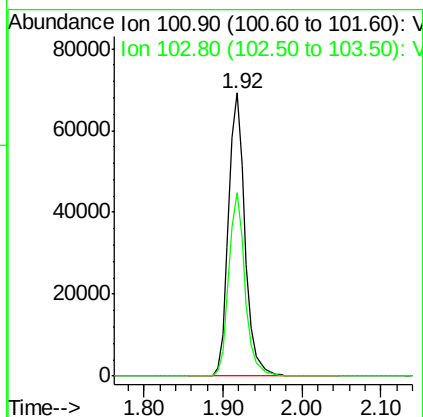
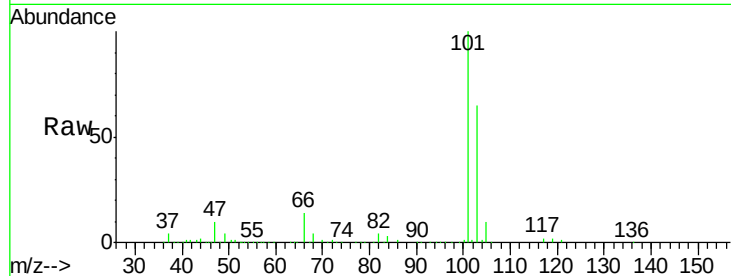
Trichlorofluoromethane
Concen: 50.761 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100695		
103	64.6	51.6	77.4	

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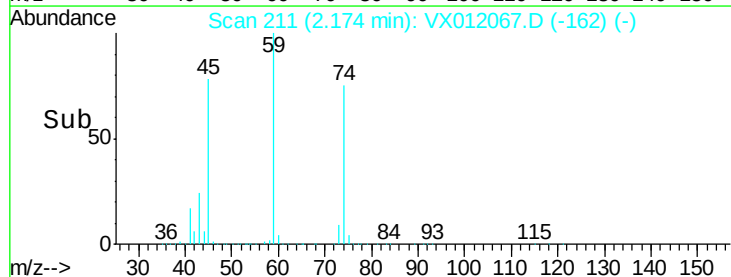
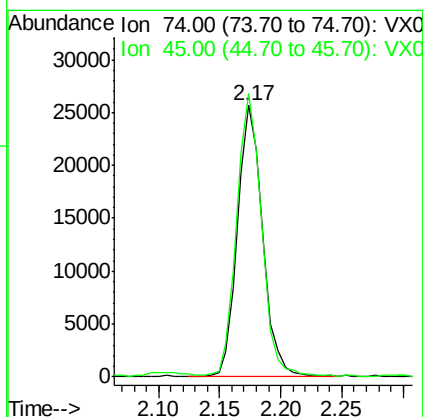
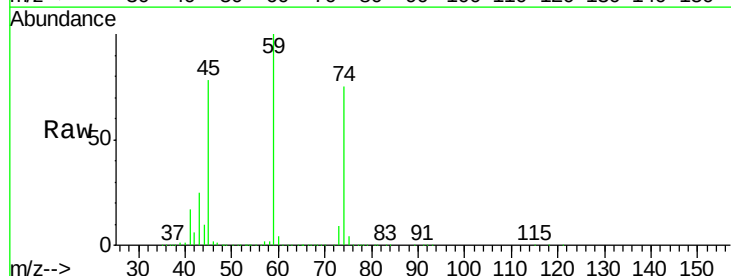
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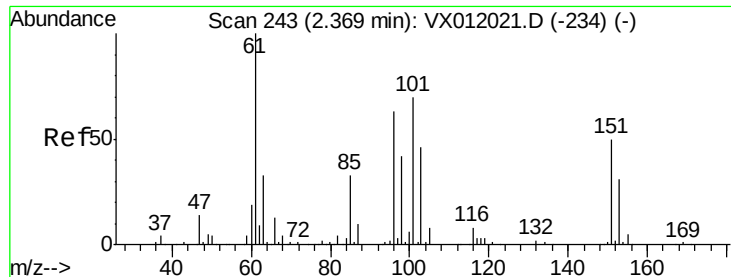


#8

Diethyl Ether
Concen: 53.319 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	36551		
45	102.1	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.667 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 72975

Ion Ratio Lower Upper

101 100

85 46.2 34.5 51.7

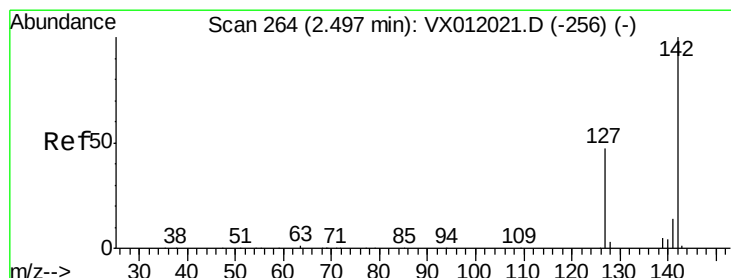
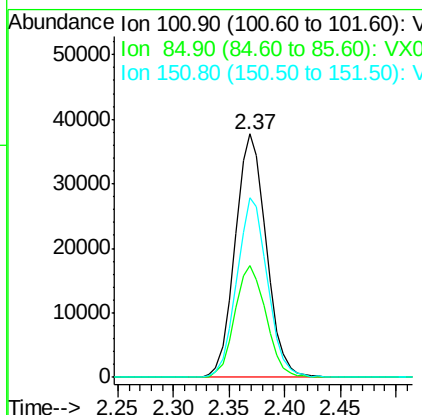
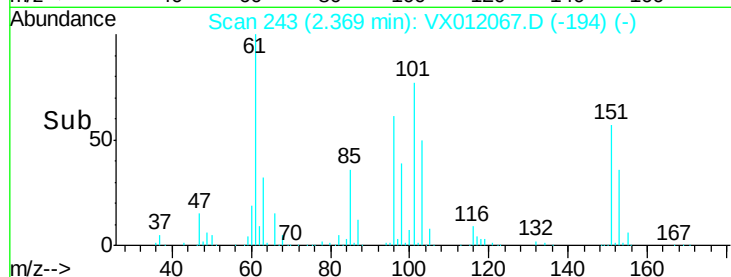
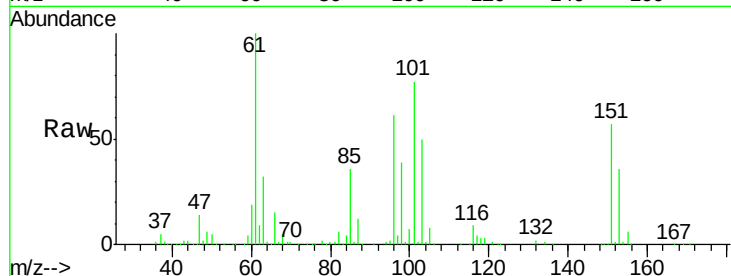
151 72.7 75.0 112.4#

Manual Integrations

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sam

9/5/2019 2:56:30 PM



#10

Methyl Iodide

Concen: 45.077 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

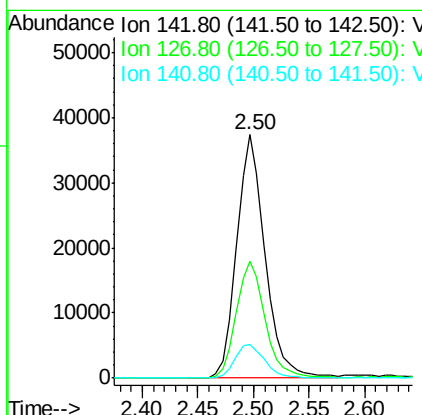
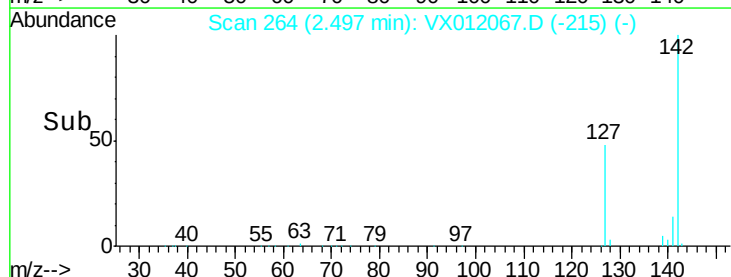
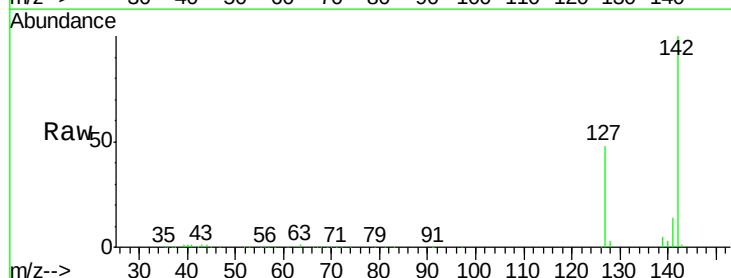
Tgt Ion:142 Resp: 65865

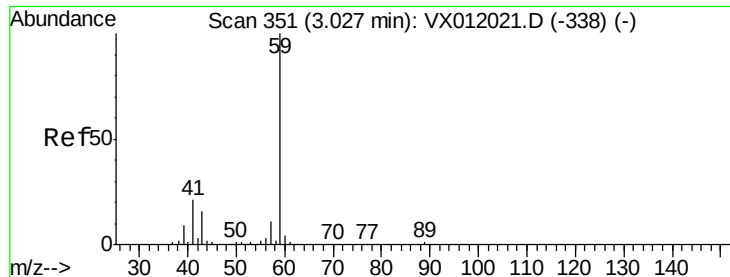
Ion Ratio Lower Upper

142 100

127 49.1 35.4 53.2

141 14.6 11.4 17.2





#11

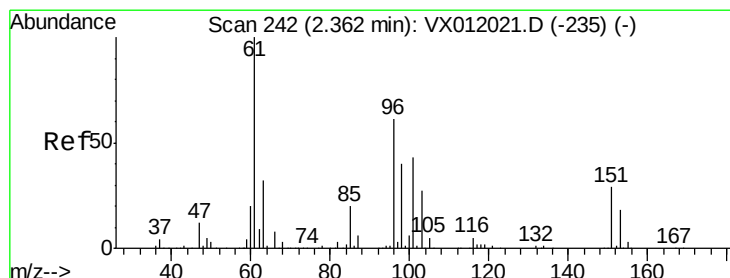
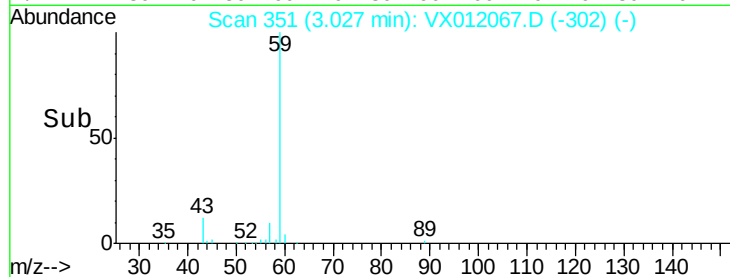
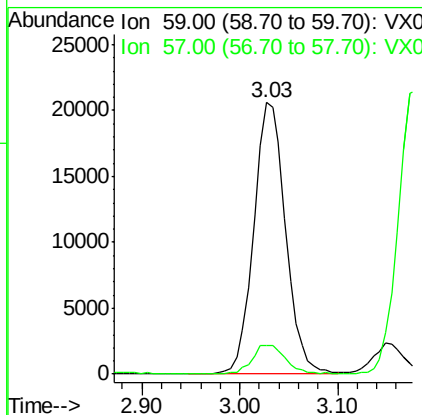
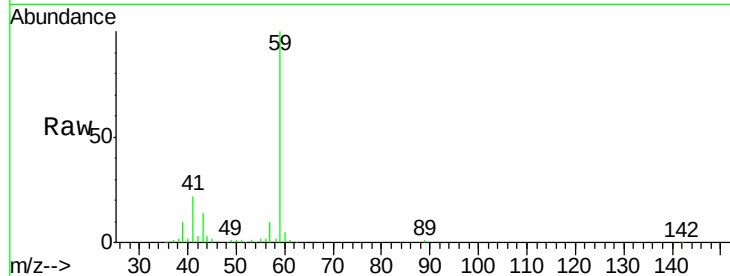
Tert butyl alcohol
 Concen: 245.172 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59.00	Resp	46705
Ion	Ratio	Lower	Upper
59	100		
57	11.3	7.9	11.9

Manual Integrations
 APPROVED

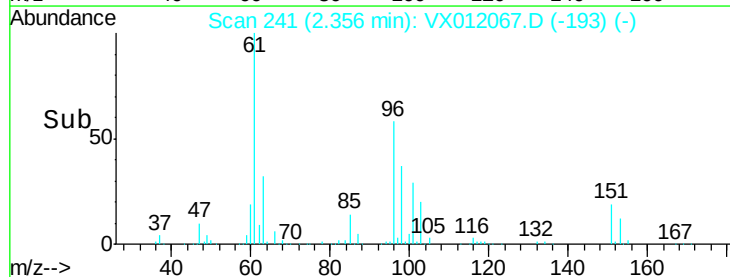
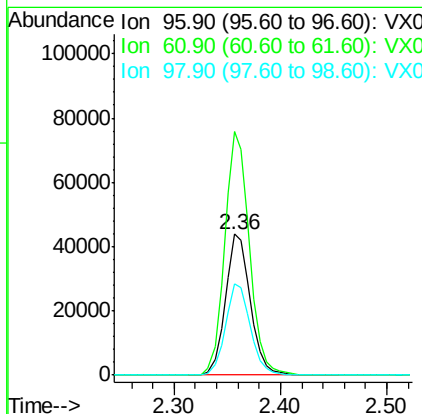
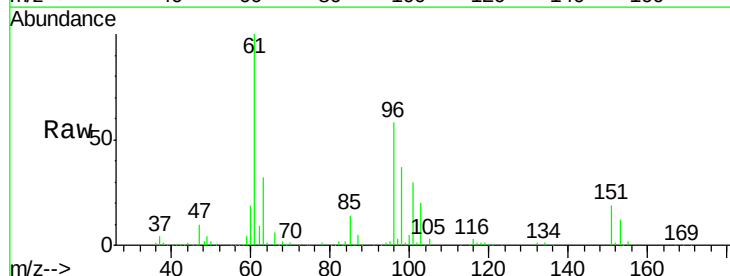
sam
 9/5/2019 2:56:30 PM

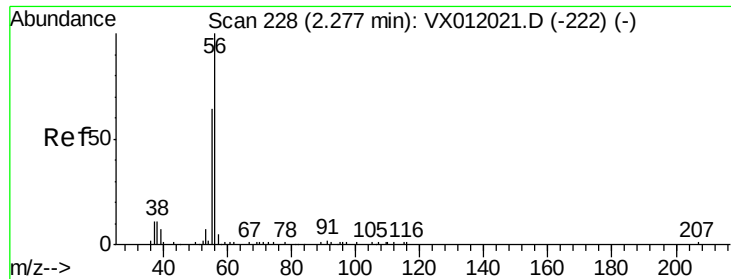


#12

1,1-Dichloroethene
 Concen: 50.658 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	96	Resp	71701
Ion	Ratio	Lower	Upper
96	100		
61	172.8	124.1	186.1
98	64.5	50.2	75.2





#13

Acrolein

Concen: 223.024 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 10837

Ion Ratio Lower Upper

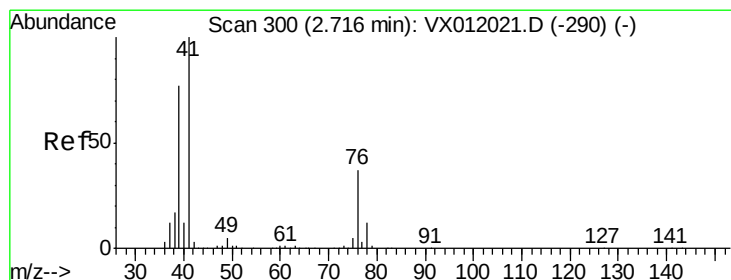
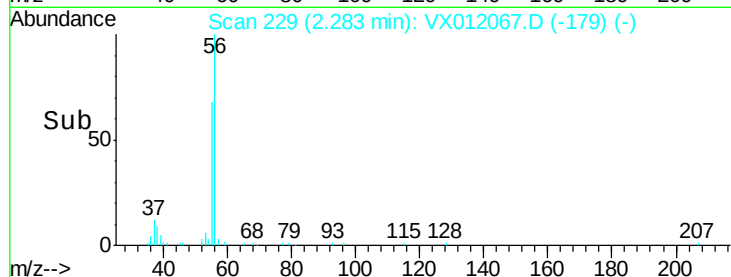
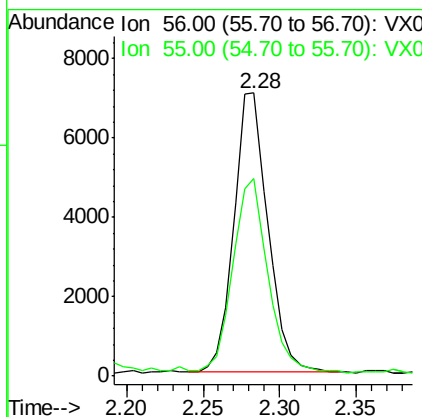
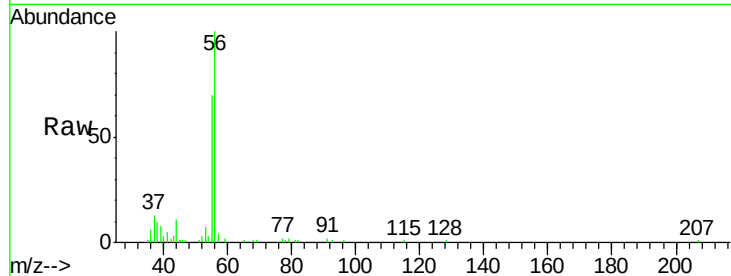
56 100

55 71.2 59.2 88.8

Manual Integrations
APPROVED

sam

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#14

Allyl chloride

Concen: 52.579 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

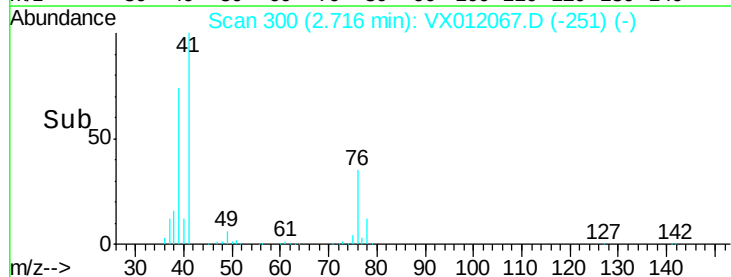
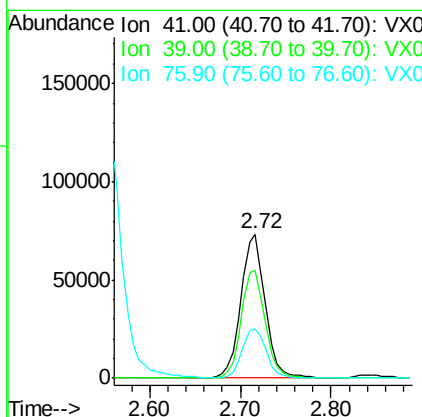
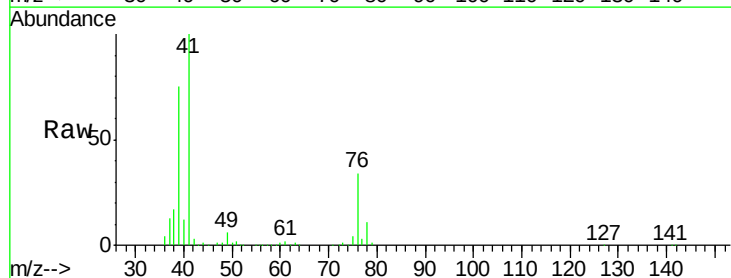
Tgt Ion: 41 Resp: 134659

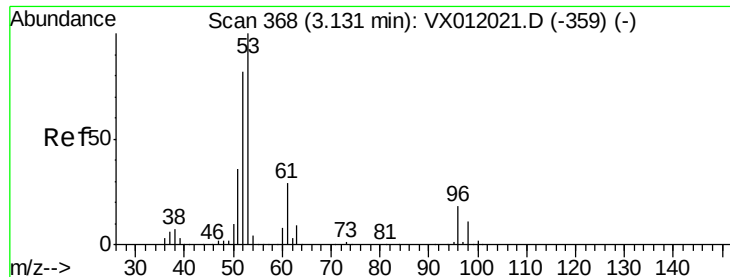
Ion Ratio Lower Upper

41 100

39 73.7 57.9 86.9

76 34.2 28.5 42.7





#15

Acrylonitrile

Concen: 257.742 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

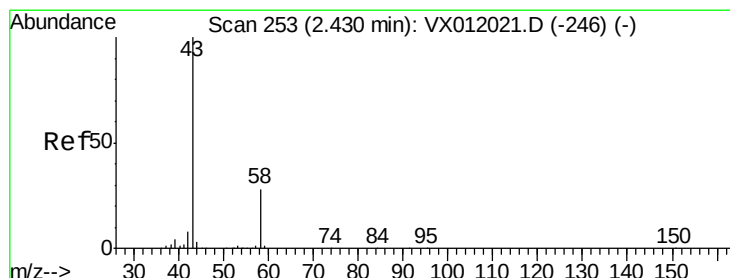
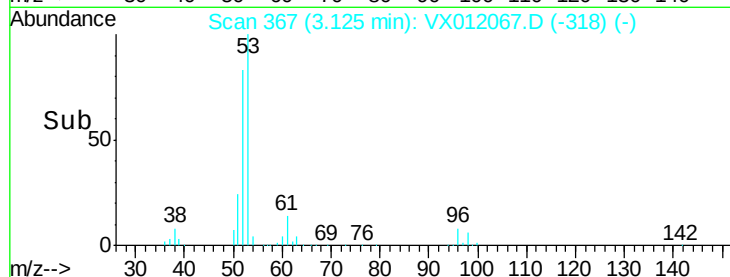
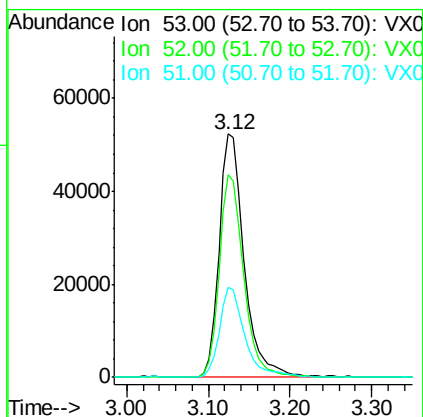
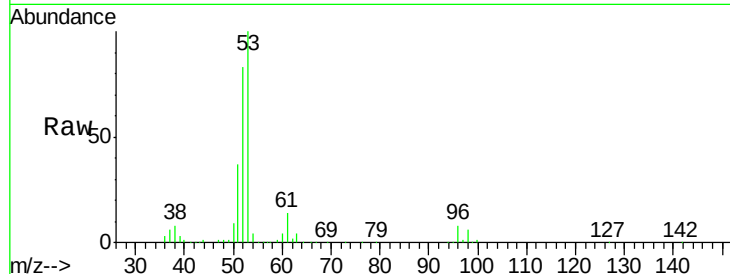
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	111027
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.6	98.4
51	37.9	29.8	44.6

Manual Integrations
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sam
9/5/2019 2:56:30 PM



#16

Acetone

Concen: 210.128 ug/l

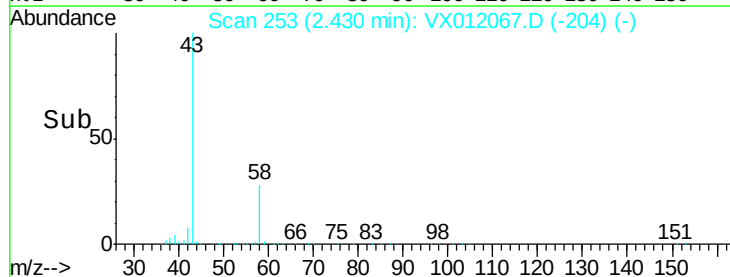
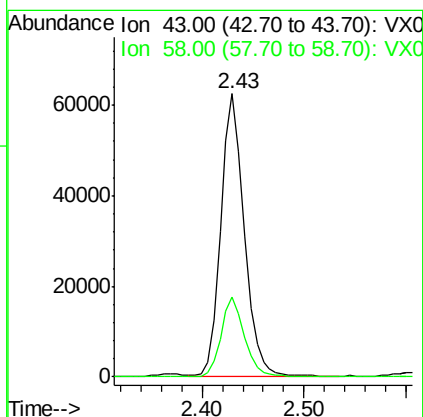
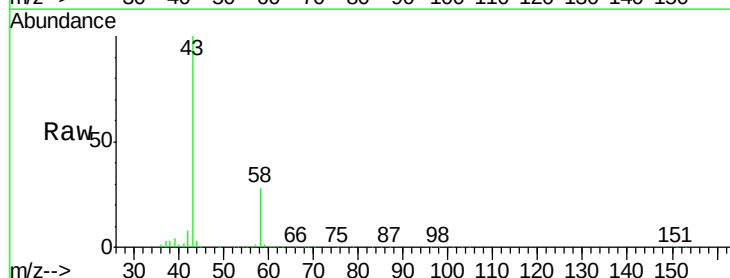
RT: 2.43 min Scan# 253

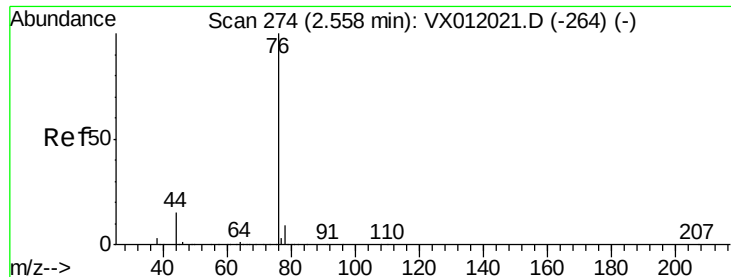
Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion:	43	Resp:	99613
Ion Ratio	Lower	Upper	
43	100		
58	28.0	22.8	34.2





#17

Carbon Disulfide

Concen: 53.801 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 222548

Ion Ratio Lower Upper

76 100

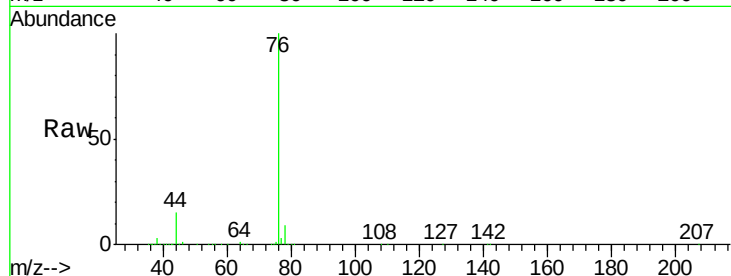
78 9.0 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

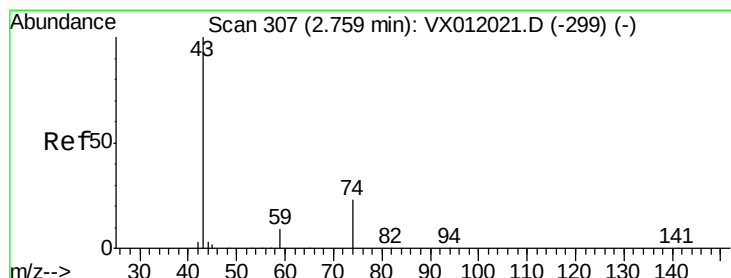
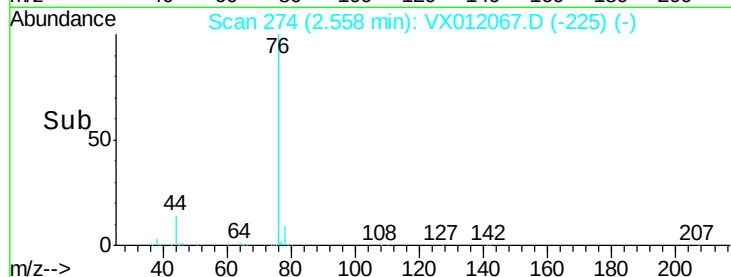
2.56

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.195 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012067.D

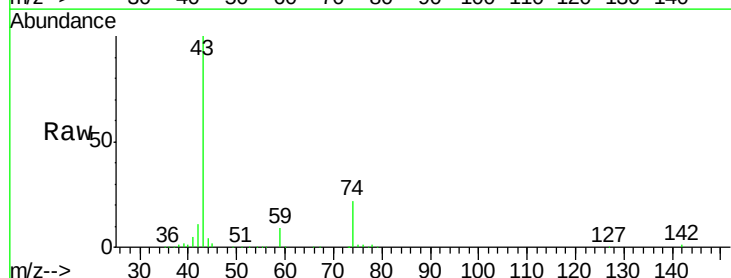
Acq: 04 Sep 2019 22:43

Tgt Ion: 43 Resp: 58289

Ion Ratio Lower Upper

43 100

74 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

40000

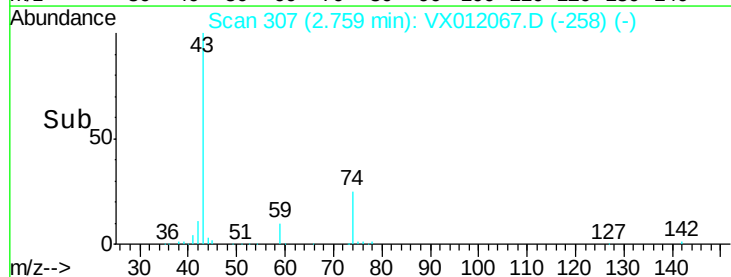
30000

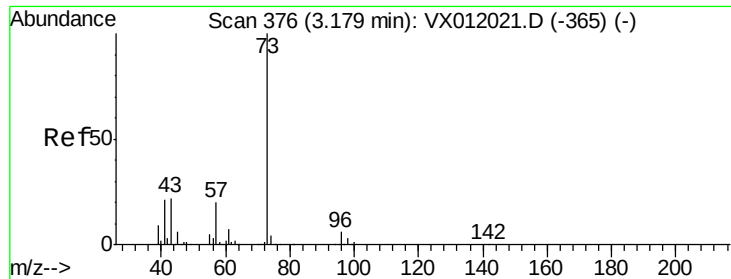
20000

10000

0

Time-->





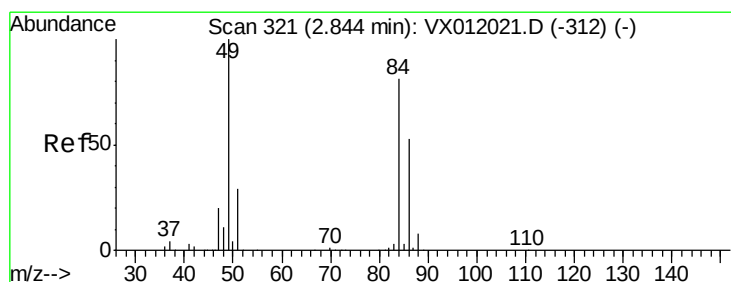
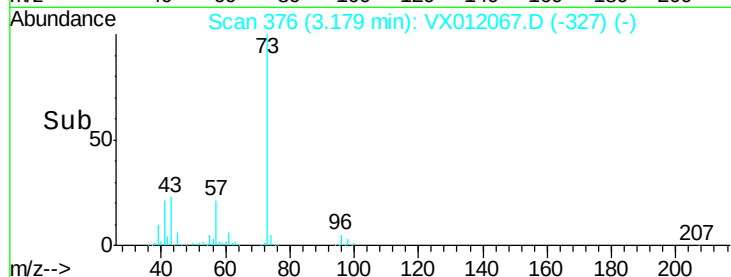
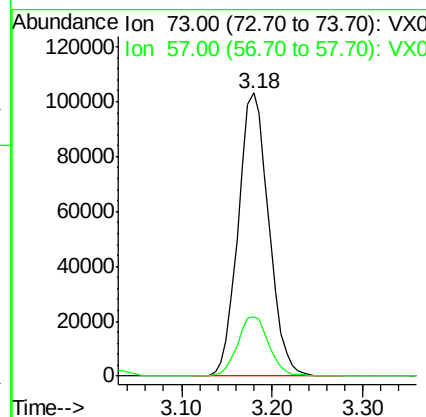
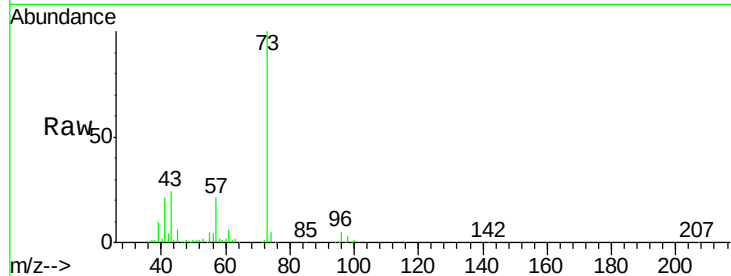
#19
Methyl tert-butyl Ether
Concen: 52.351 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	16.6	25.0

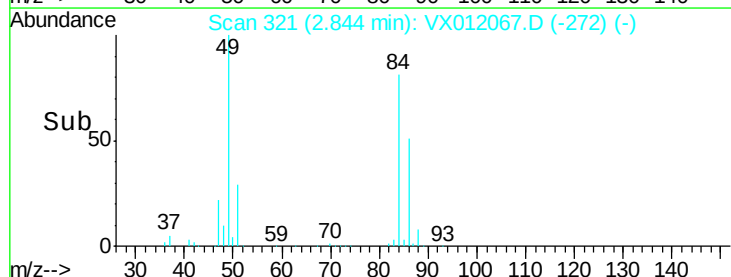
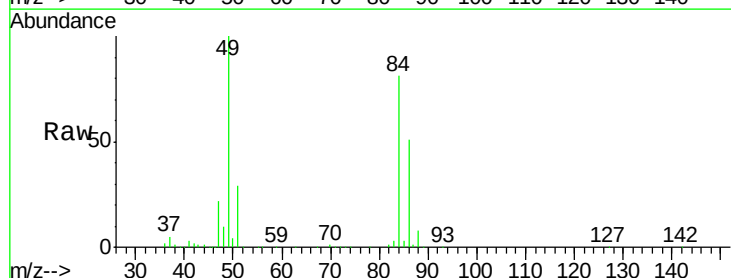
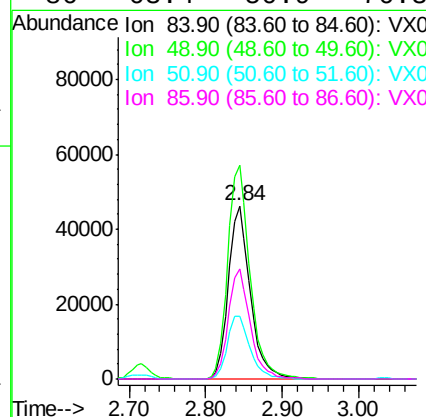
Manual Integrations
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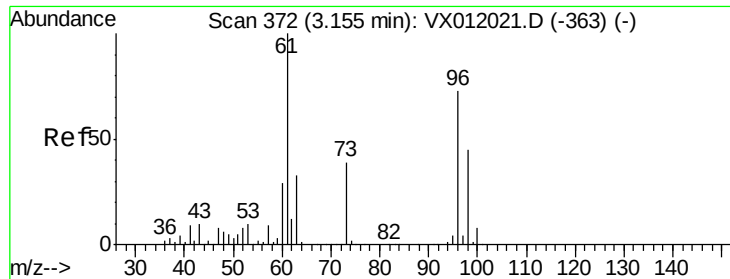
sam
9/5/2019 2:56:30 PM



#20
Methylene Chloride
Concen: 47.966 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	95.8	143.8
51	36.3	28.6	43.0
86	63.4	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 52.176 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 86662

Ion Ratio Lower Upper

96 100

61 149.7 107.0 160.6

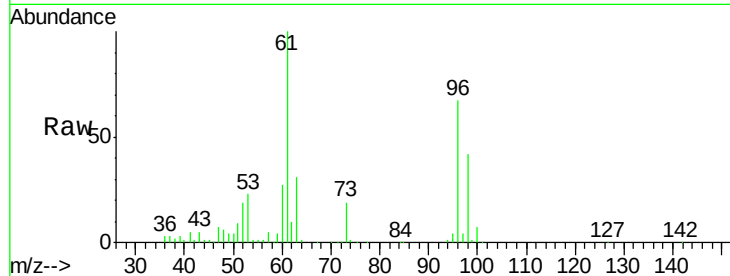
98 63.5 49.8 74.6

Manual Integrations

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sam

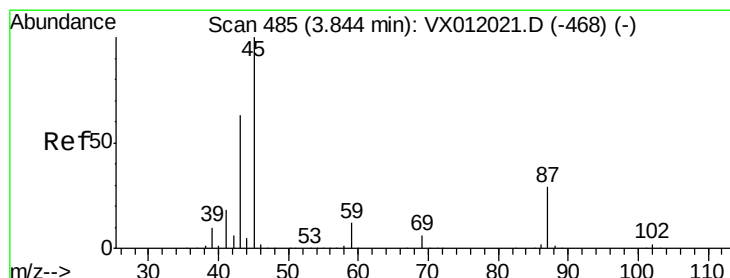
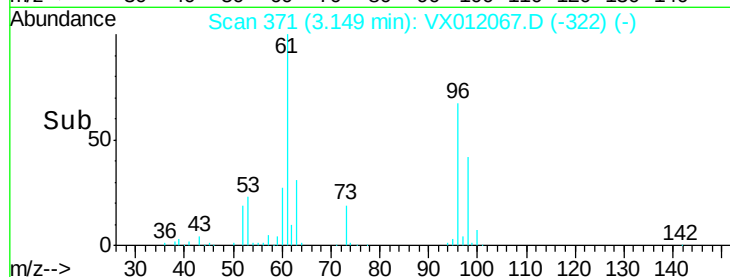
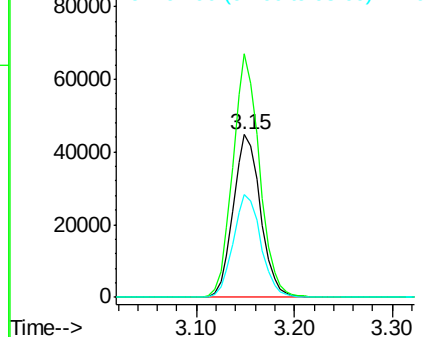
9/5/2019 2:56:30 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 52.710 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion: 45 Resp: 275155

Ion Ratio Lower Upper

45 100

43 70.1 54.2 81.4

87 27.2 23.4 35.0

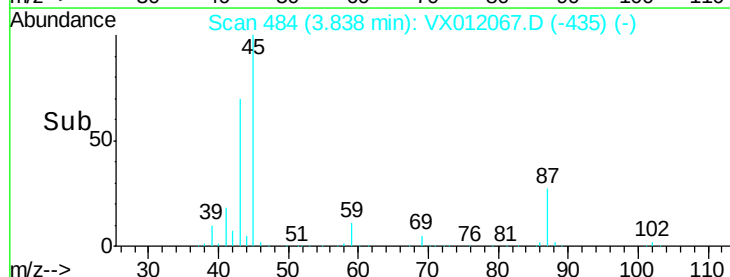
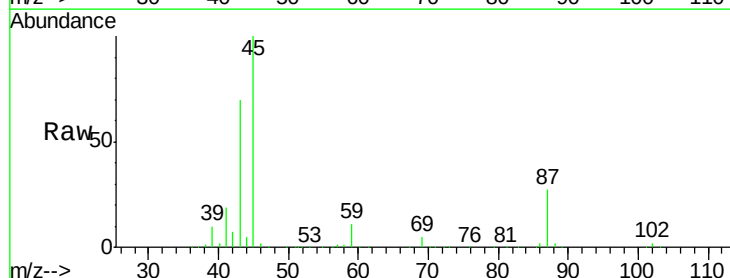
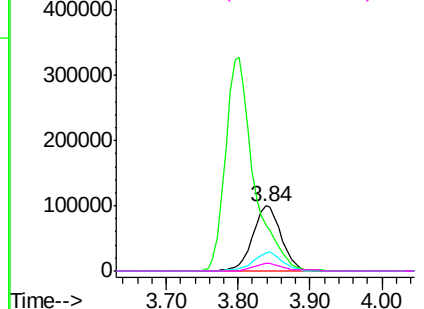
59 11.3 9.0 13.6

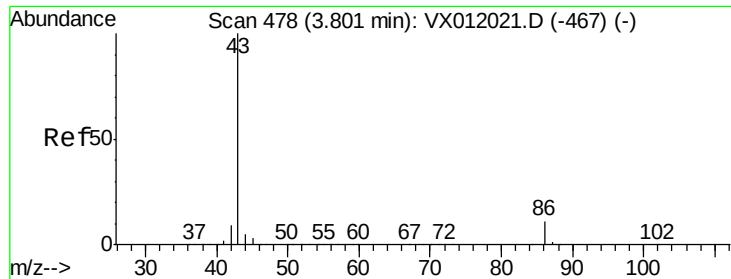
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 265.735 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 897357

Ion Ratio Lower Upper

43 100

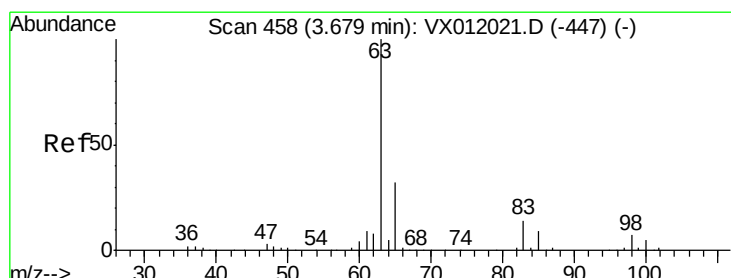
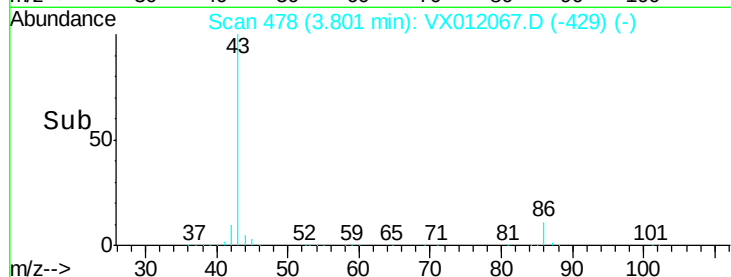
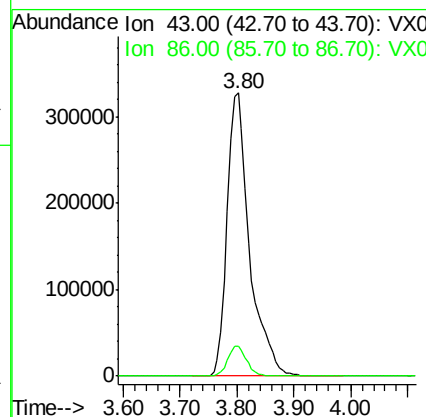
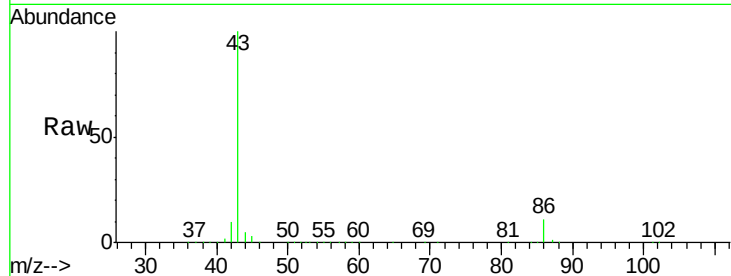
86 10.7 9.0 13.6

Manual Integrations

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sam

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#24

1,1-Dichloroethane

Concen: 52.410 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

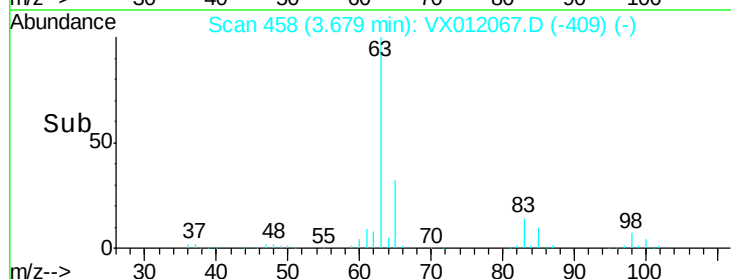
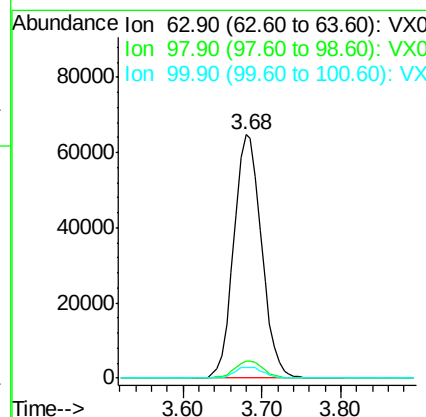
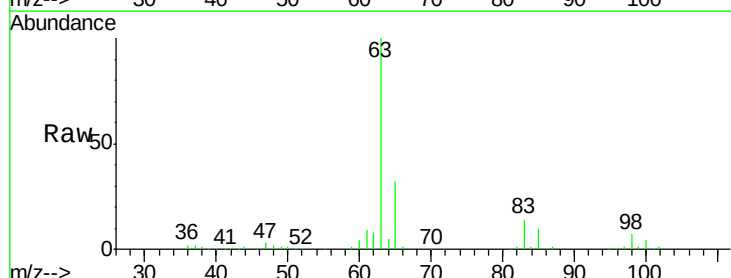
Tgt Ion: 63 Resp: 158677

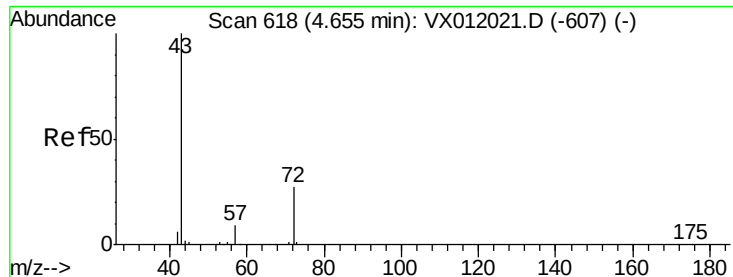
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 250.625 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 151237

Ion Ratio Lower Upper

43 100

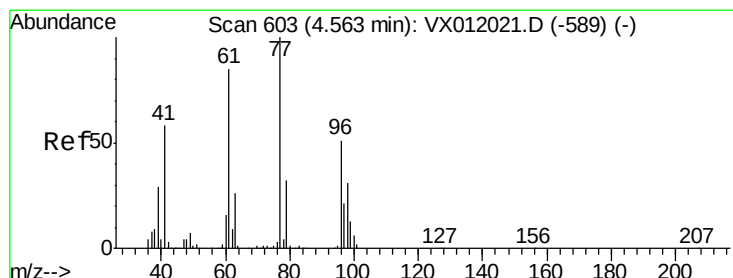
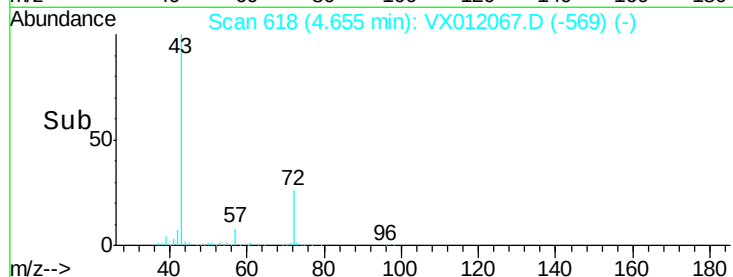
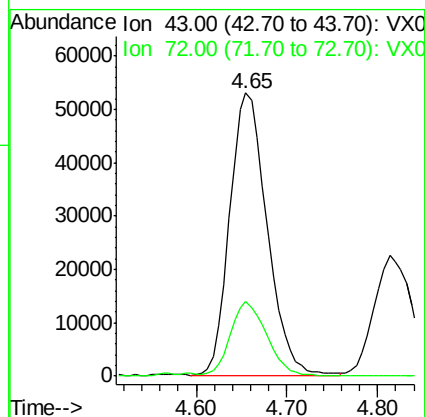
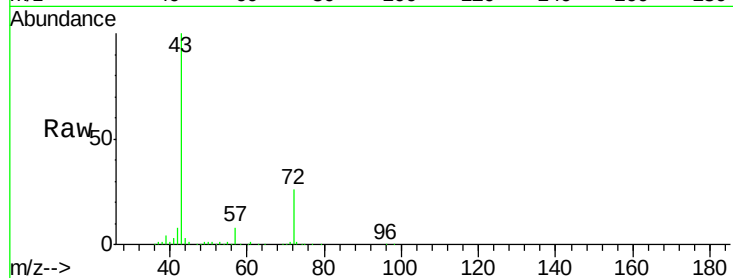
72 26.3 21.3 31.9

Manual Integrations

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sam

9/5/2019 2:56:30 PM



#26

2,2-Dichloropropane

Concen: 45.788 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012067.D

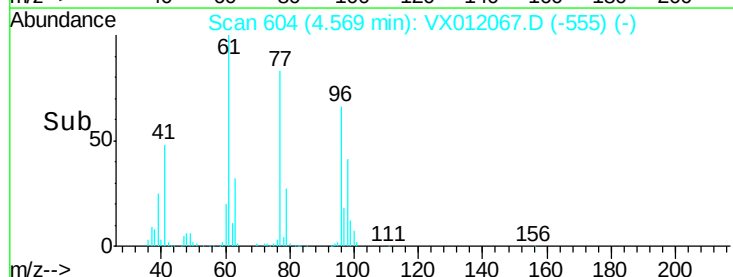
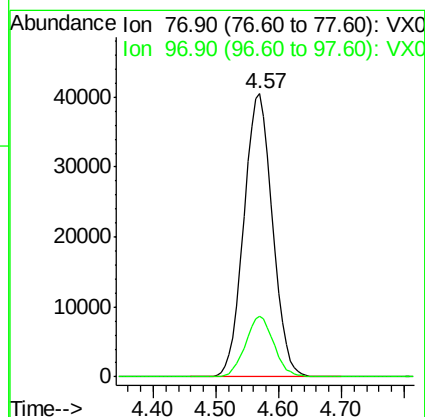
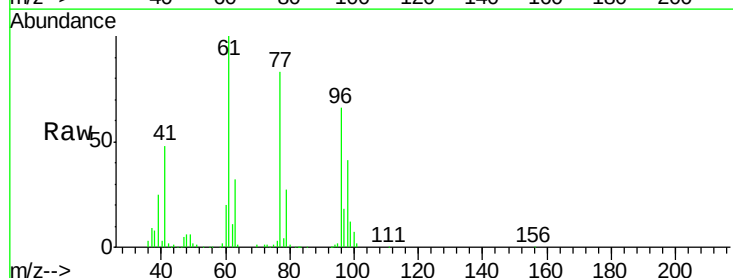
Acq: 04 Sep 2019 22:43

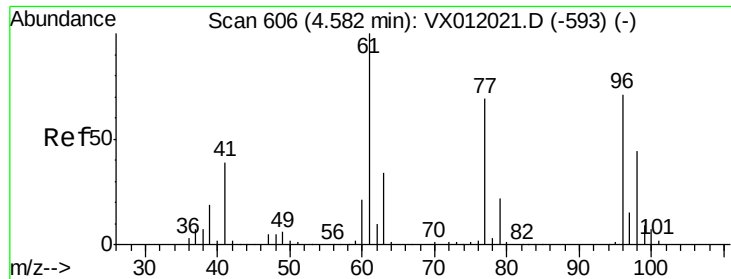
Tgt Ion: 77 Resp: 127987

Ion Ratio Lower Upper

77 100

97 21.2 11.5 34.5





#27

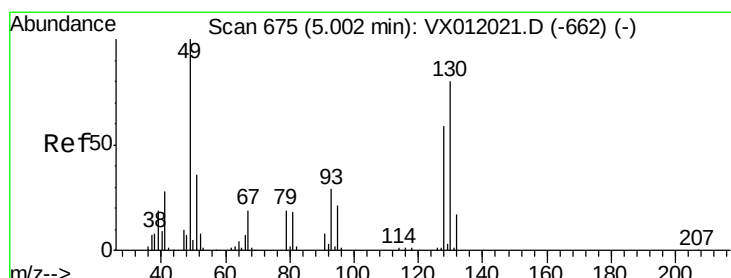
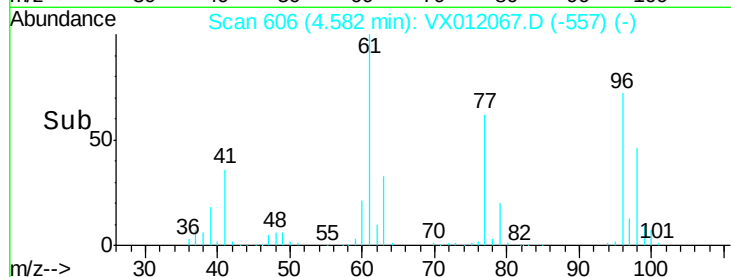
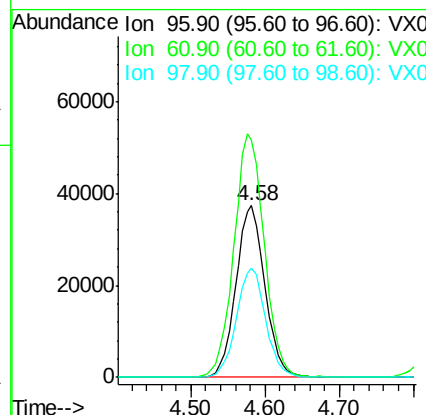
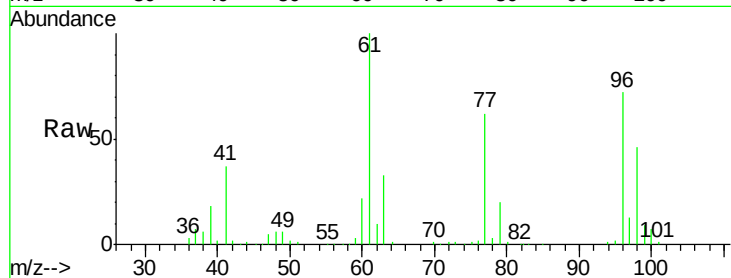
cis-1,2-Dichloroethene
 Concen: 52.246 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101720		
61	148.7	0.0	277.0	
98	64.4	0.0	128.4	

Manual Integrations
 APPROVED

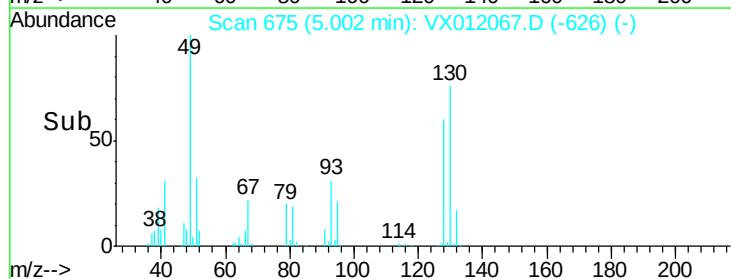
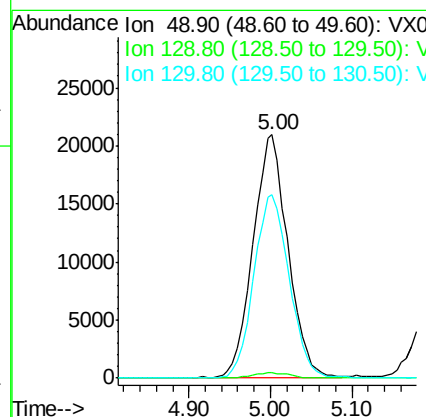
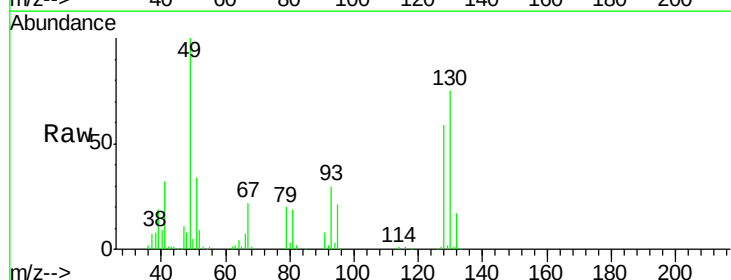
sam
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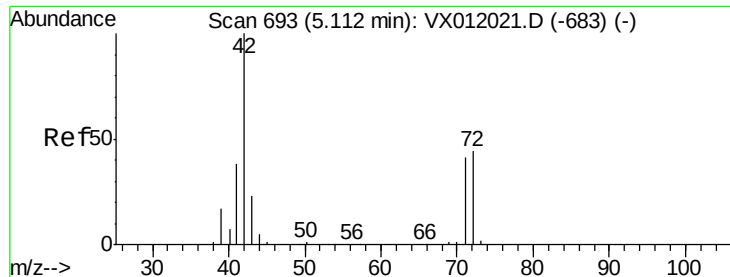


#28

Bromochloromethane
 Concen: 51.907 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62731		
129	2.5	0.0	5.6	
130	75.8	76.7	115.1#	





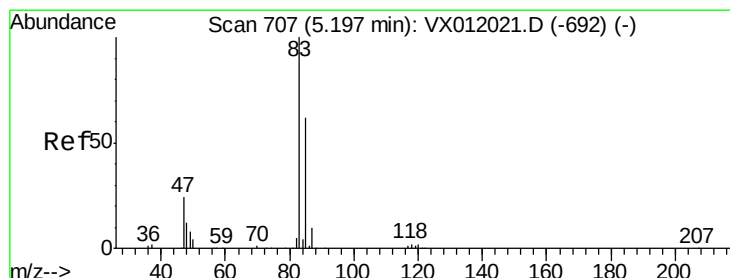
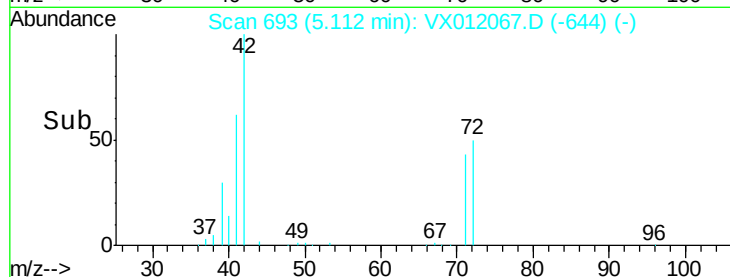
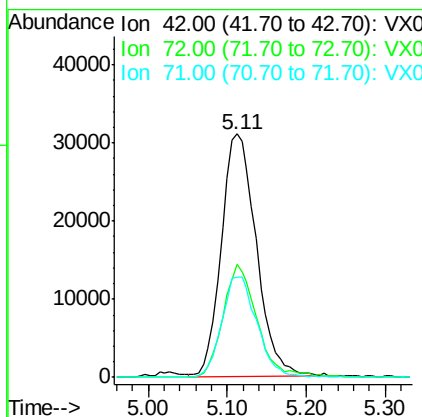
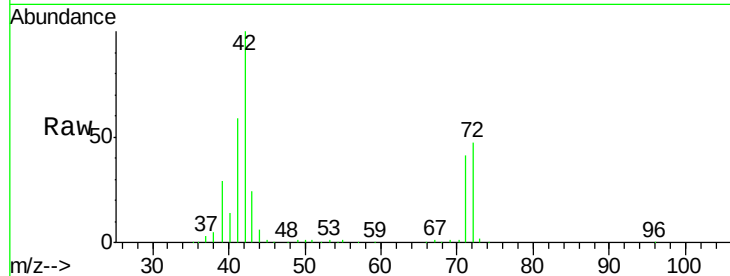
#29
Tetrahydrofuran
Concen: 263.318 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.0	55.4
71	41.9	33.8	50.8

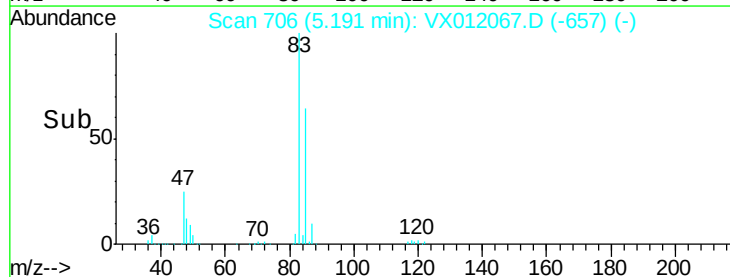
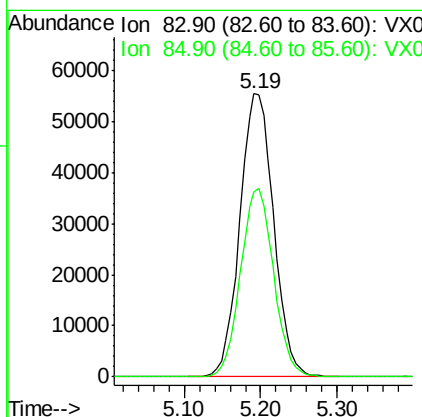
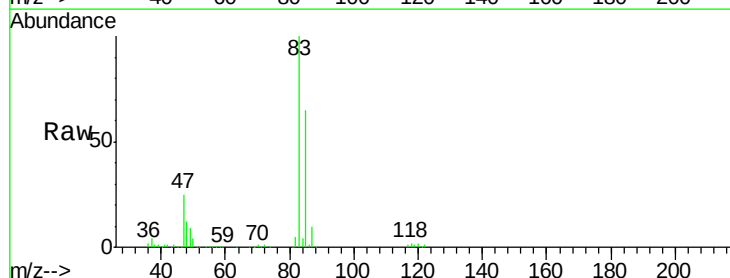
Manual Integrations
APPROVED

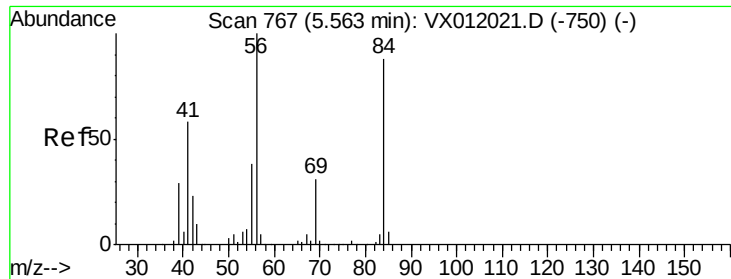
sam
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#30
Chloroform
Concen: 52.368 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





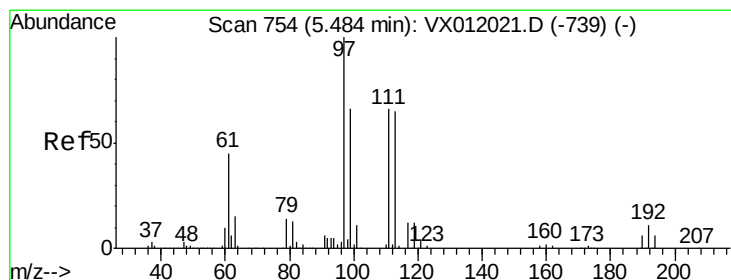
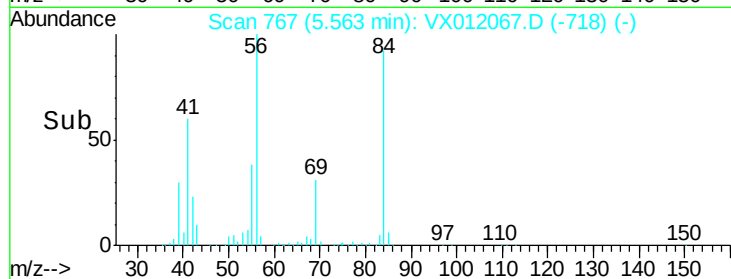
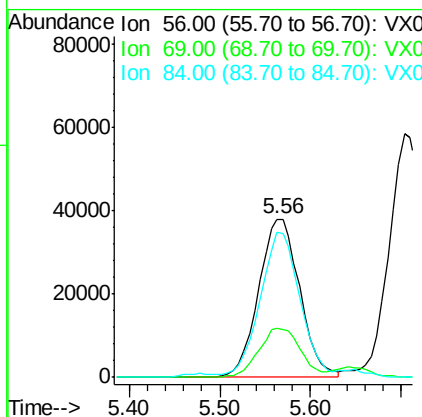
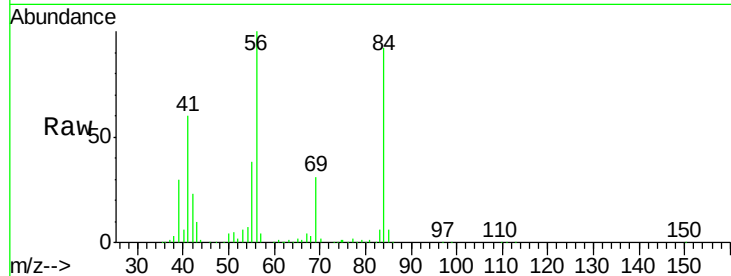
#31
Cyclohexane
Concen: 48.921 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.7	38.5
84	89.8	70.3	105.5

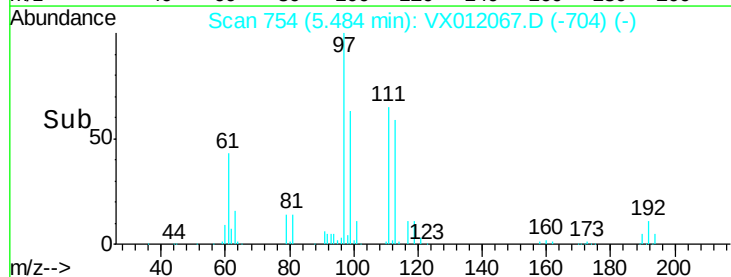
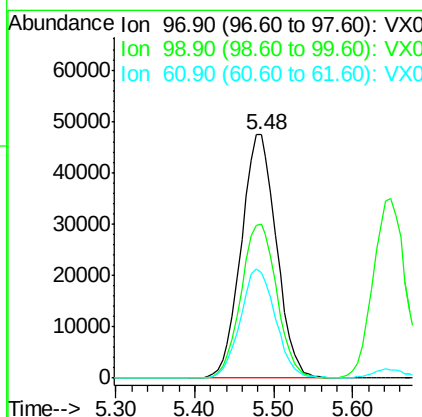
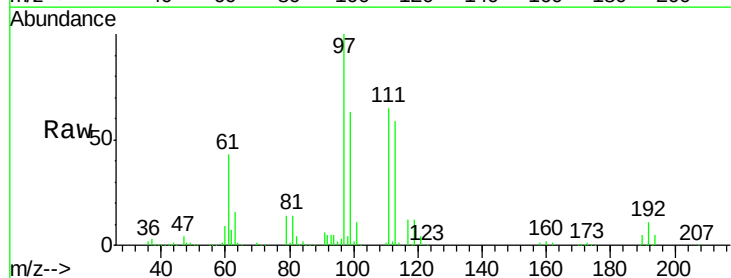
Manual Integrations
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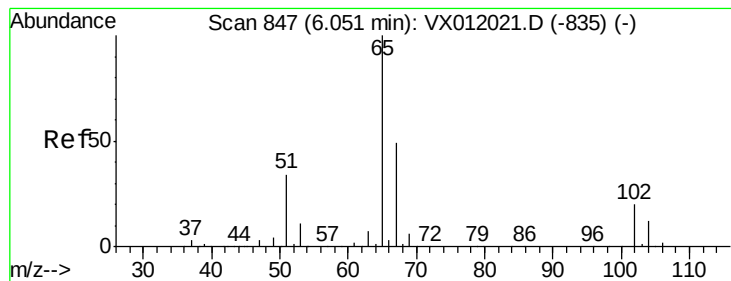
sam
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#32
1,1,1-Trichloroethane
Concen: 52.047 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.1	78.1
61	44.9	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 51.842 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 102819

Ion Ratio Lower Upper

65 100

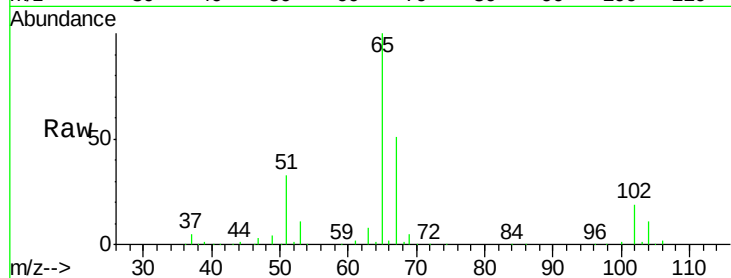
67 50.7 0.0 102.0

Manual Integrations

APPROVED

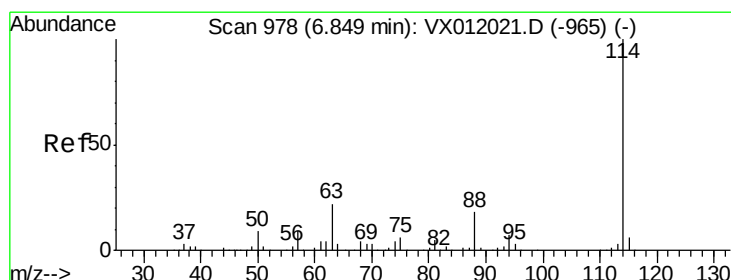
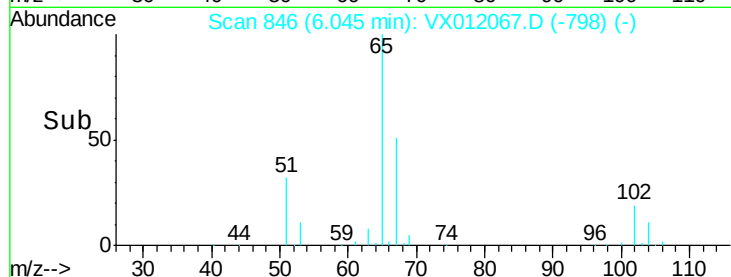
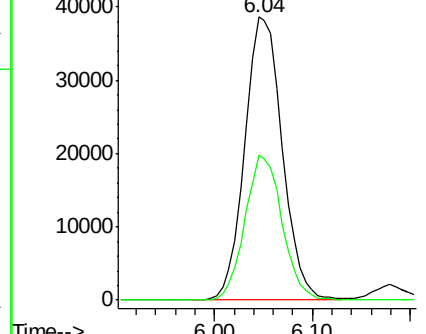
sam

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

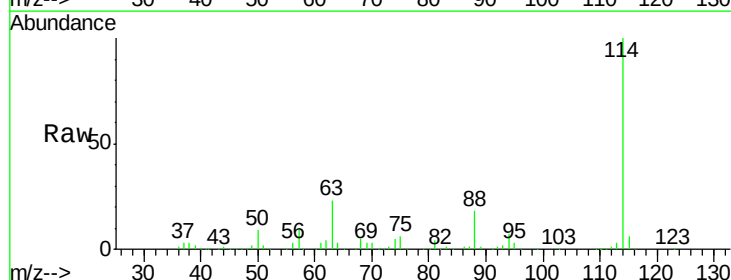
Tgt Ion: 114 Resp: 271024

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

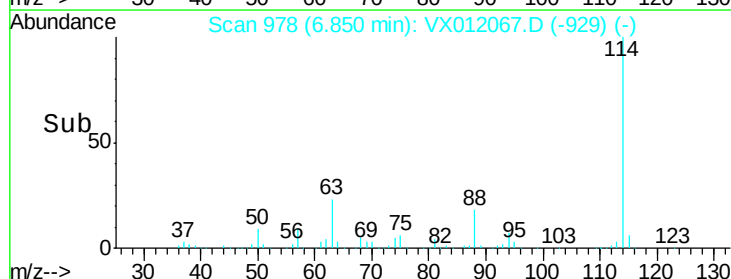
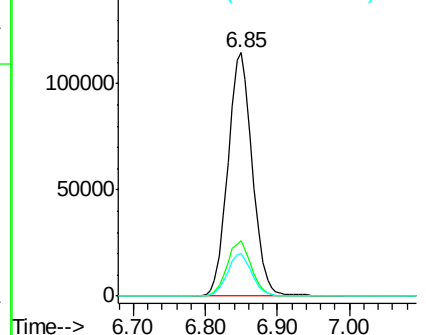
88 17.7 0.0 29.6

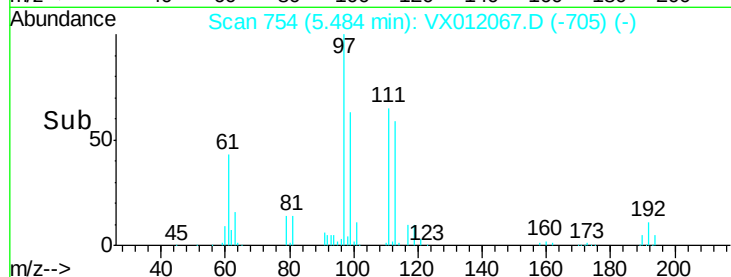
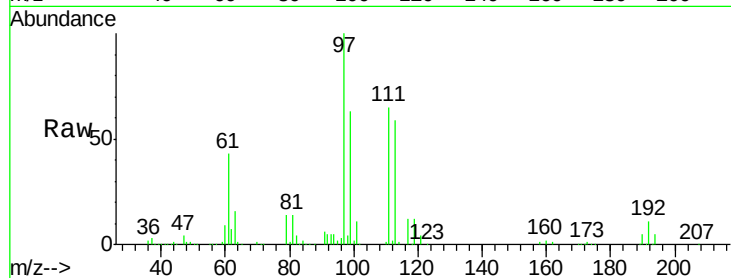
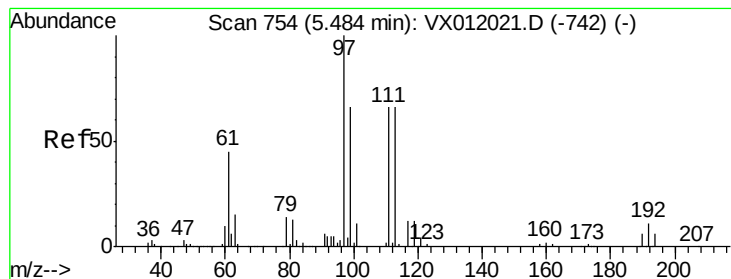


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.866 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tot Ion:	113	Resp:	83112
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.7	122.5
192	17.2	22.5	33.7#

Instrument :

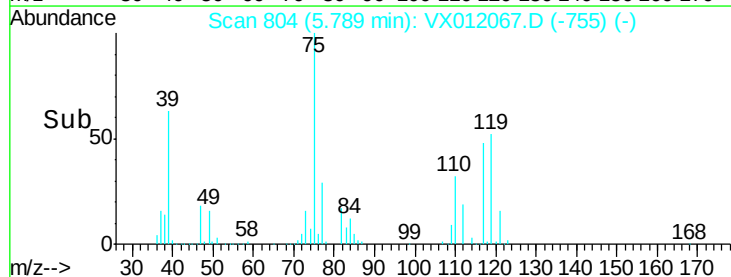
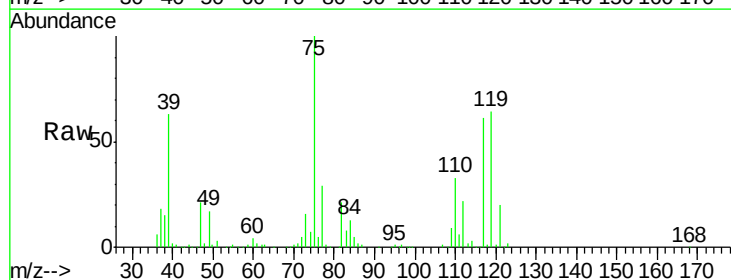
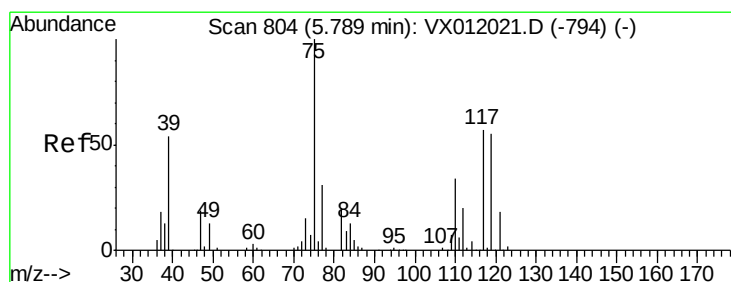
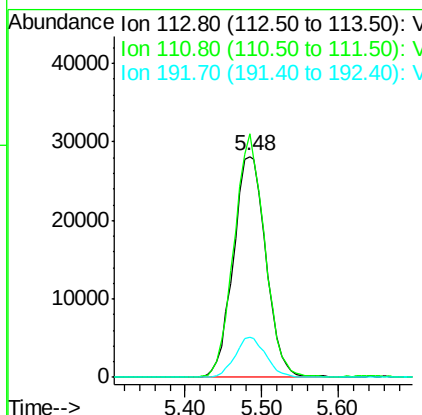
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.843 ug/l

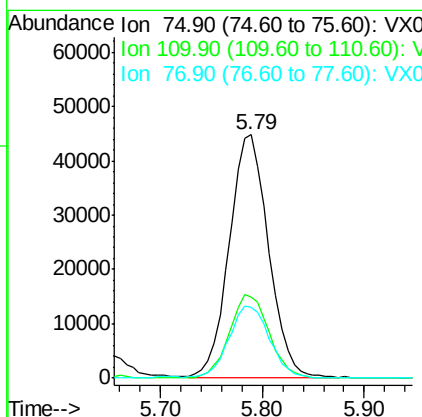
RT: 5.79 min Scan# 804

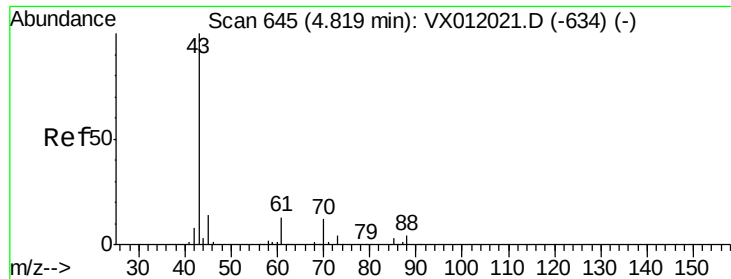
Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion:	75	Resp:	118978
Ion	Ratio	Lower	Upper
75	100		
110	34.9	19.5	58.5
77	30.5	24.6	37.0





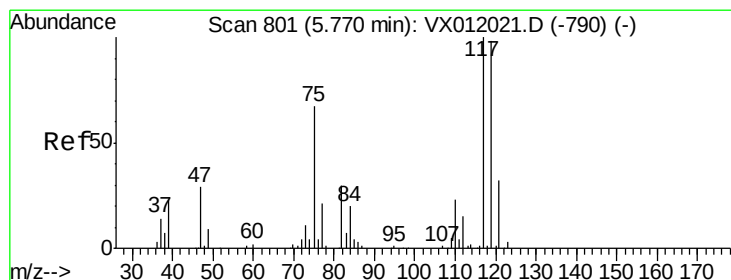
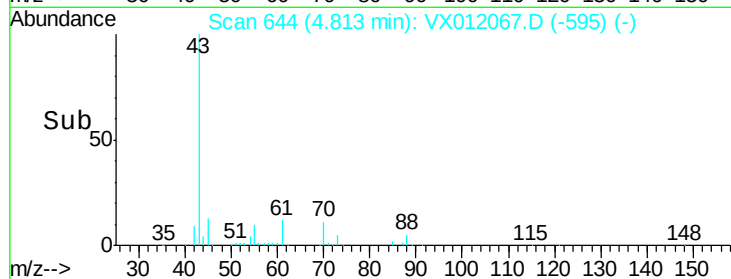
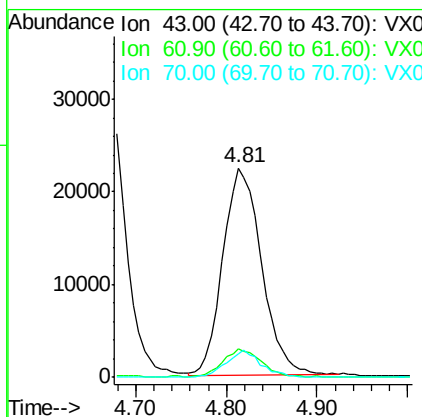
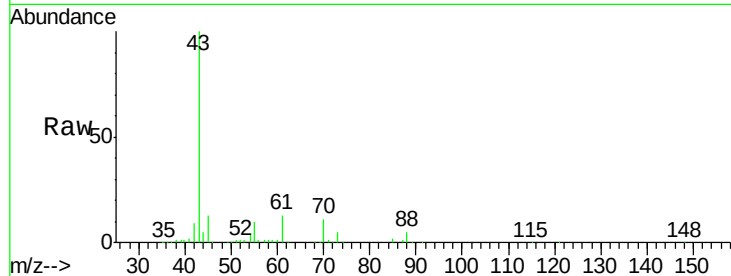
#37
Ethyl Acetate
Concen: 51.415 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	66739
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	11.8	9.4	14.0

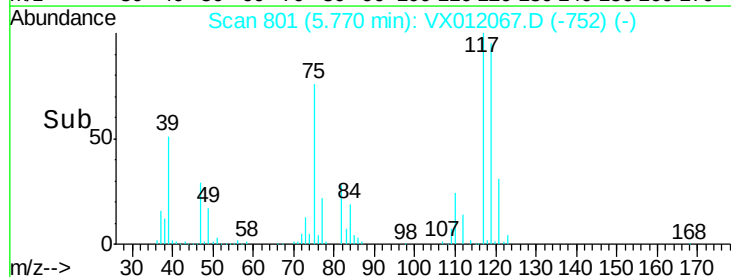
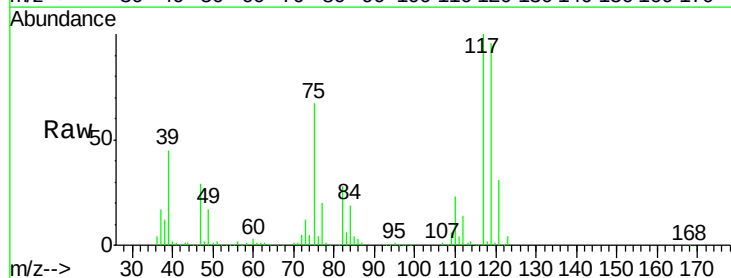
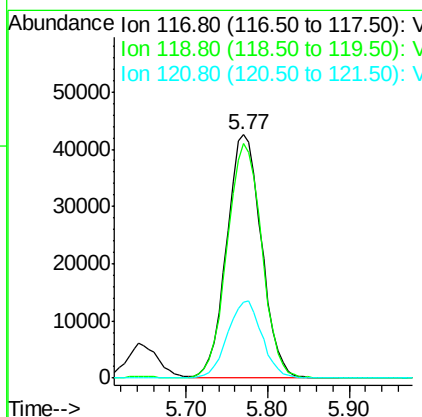
Manual Integrations
APPROVED

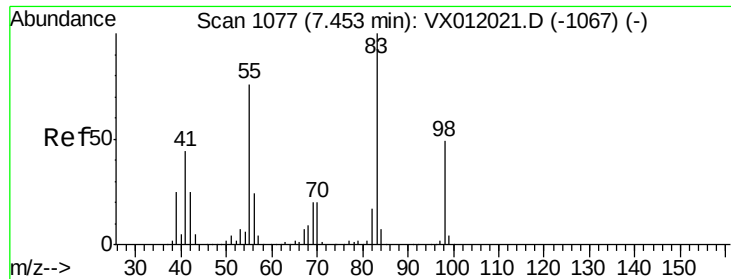
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#38
Carbon Tetrachloride
Concen: 49.948 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion:	117	Resp:	125635
Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.3	117.5
121	31.2	24.2	36.2





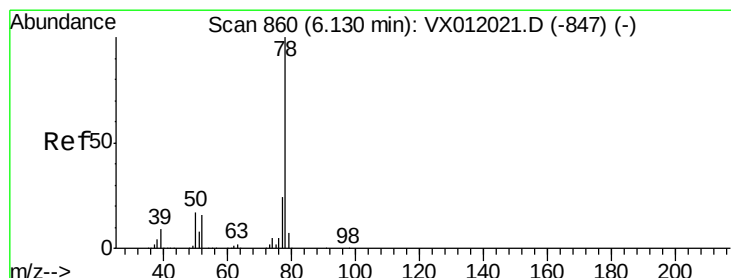
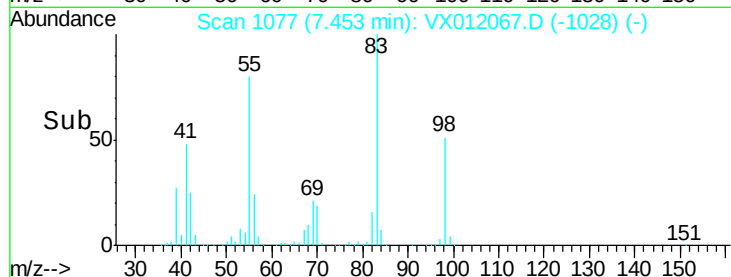
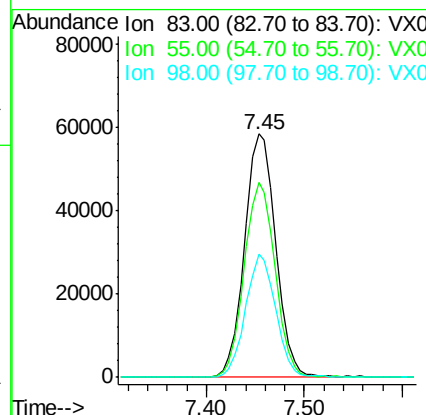
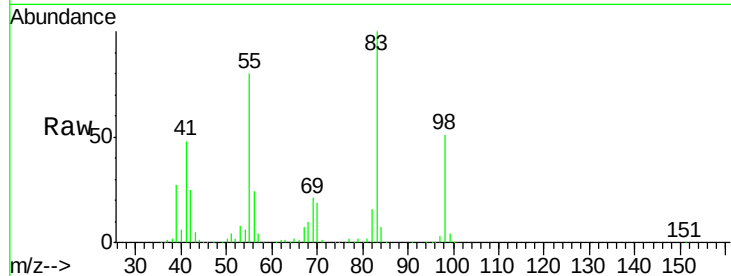
#39
Methylvlcyclohexane
Concen: 46.635 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129201		
55	80.3		59.6	89.4
98	50.5		41.4	62.0

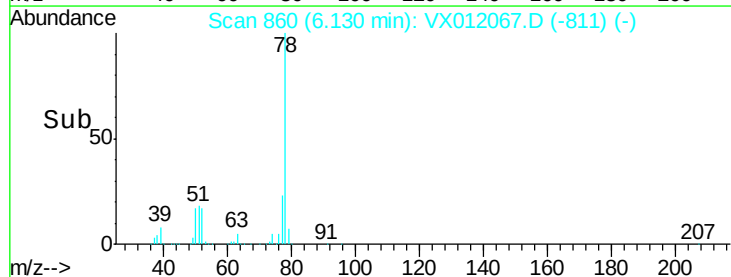
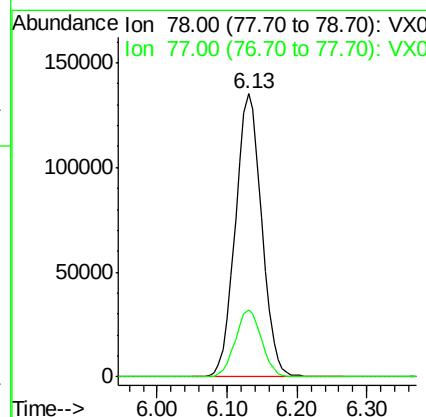
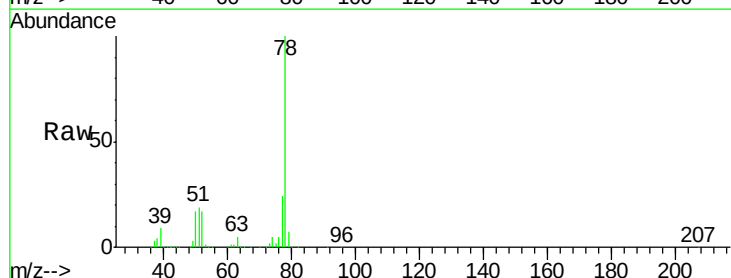
Manual Integrations
APPROVED

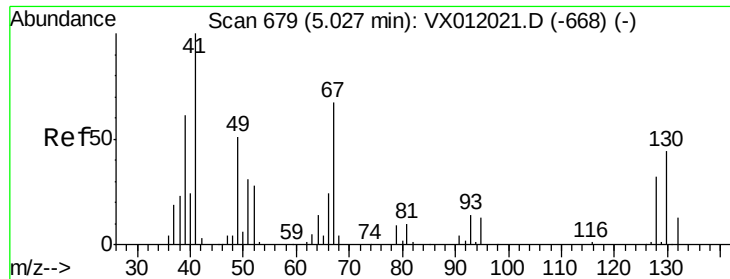
sam
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#40
Benzene
Concen: 51.570 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	353397		
77	23.5		19.3	28.9





#41

Methacrylonitrile

Concen: 51.420 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

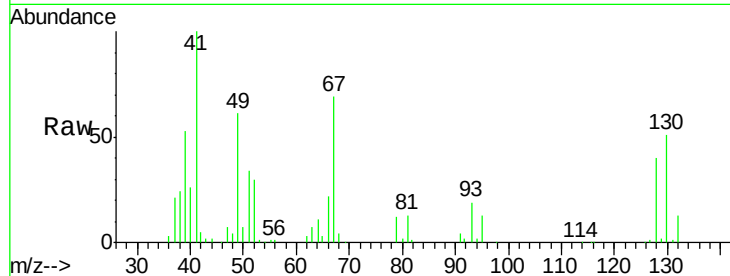
VSTDCCC050

Tot Ion: 41 Resp: 39804
Ion Ratio Lower Upper

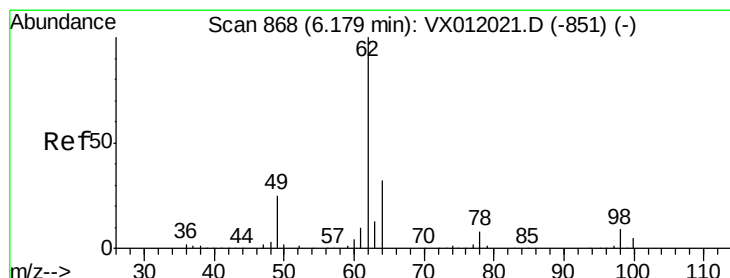
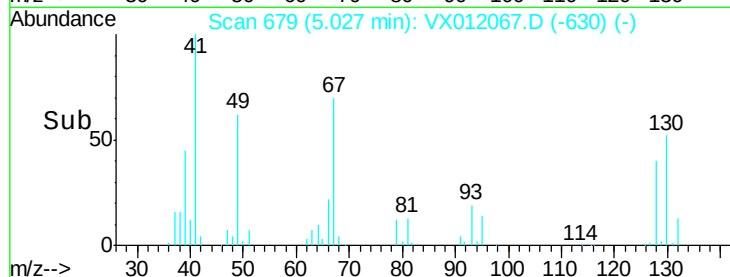
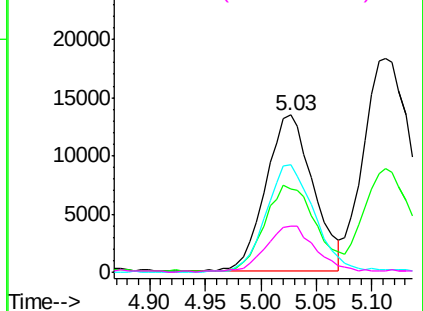
41	100		
39	60.0	46.7	70.1
67	71.8	57.0	85.6
52	31.7	23.5	35.3

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 52.863 ug/l

RT: 6.18 min Scan# 868

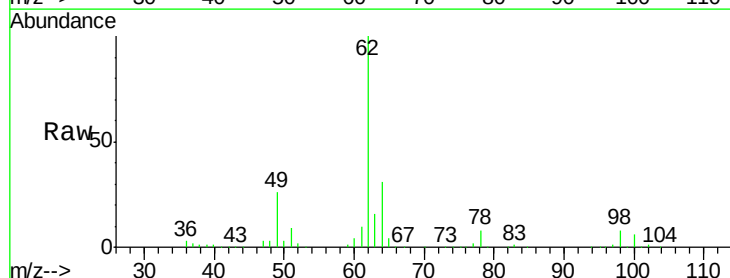
Delta R.T. -0.00 min

Lab File: VX012067.D

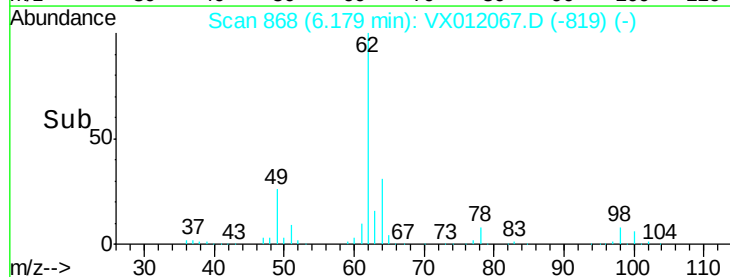
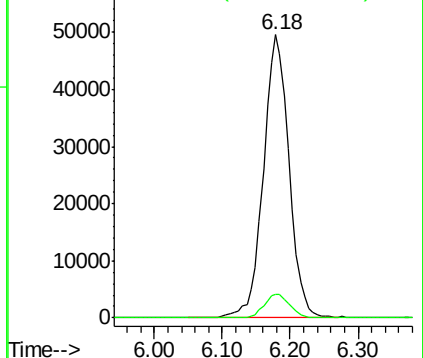
Acq: 04 Sep 2019 22:43

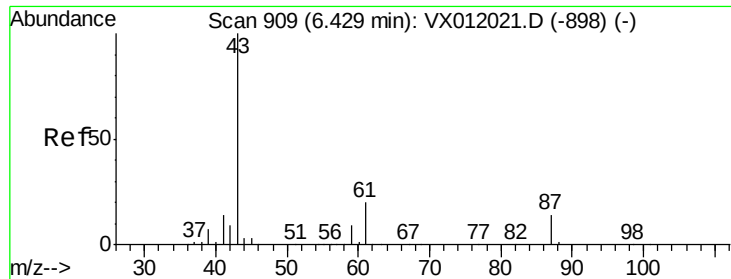
Tgt Ion: 62 Resp: 130362
Ion Ratio Lower Upper

62	100		
98	8.4	0.0	19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.132 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

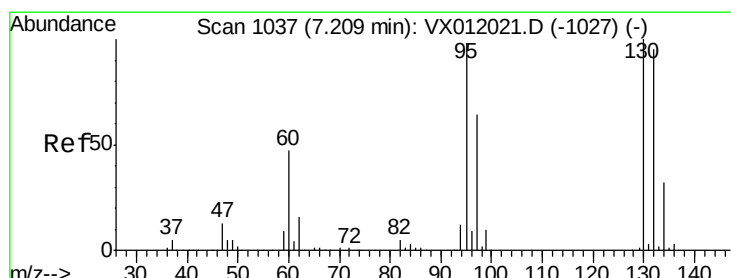
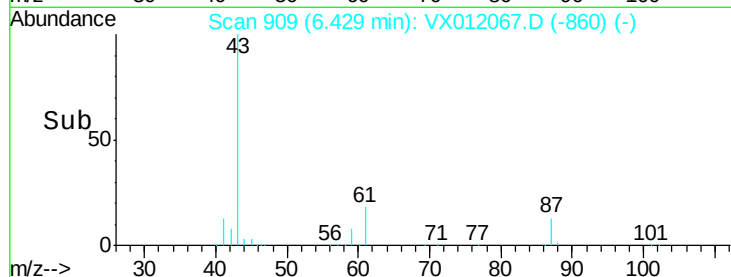
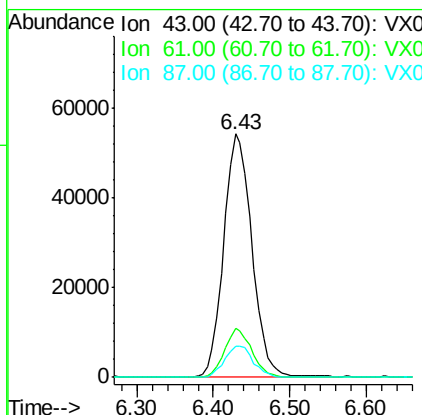
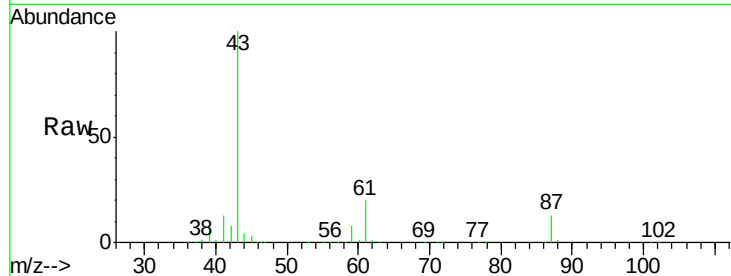
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	137595
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.1	24.1
87	13.2	11.3	16.9

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#44

Trichloroethene

Concen: 50.284 ug/l

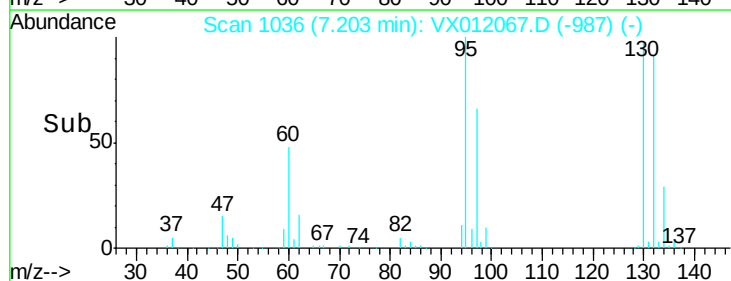
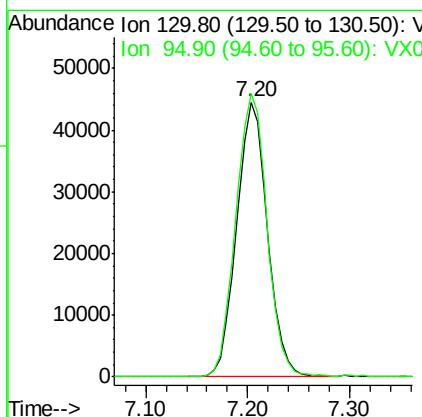
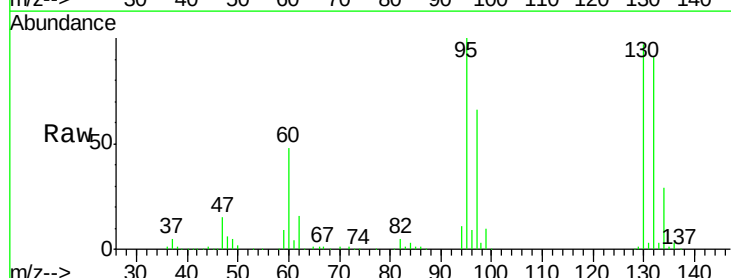
RT: 7.20 min Scan# 1036

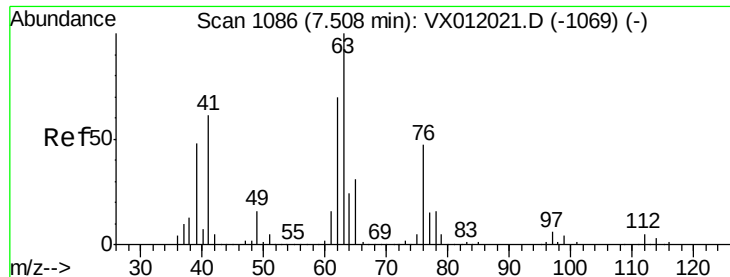
Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion:	130	Resp:	92941
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	176.4





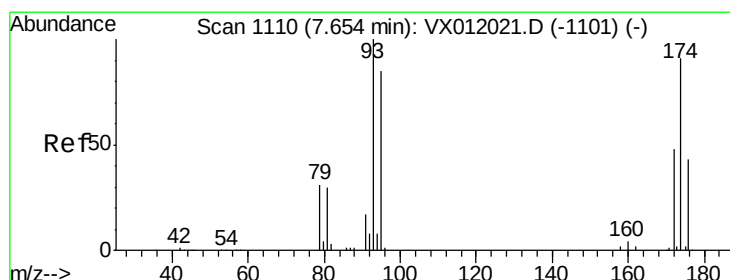
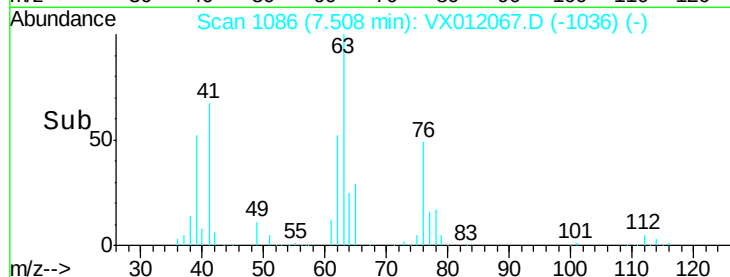
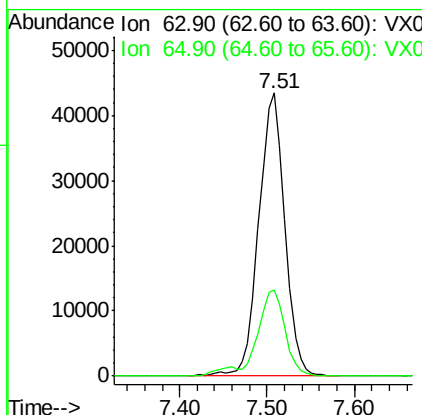
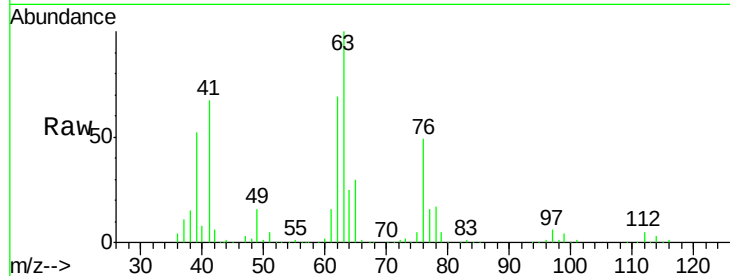
#45
 1,2-Dichloropropane
 Concen: 50.856 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 90041
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

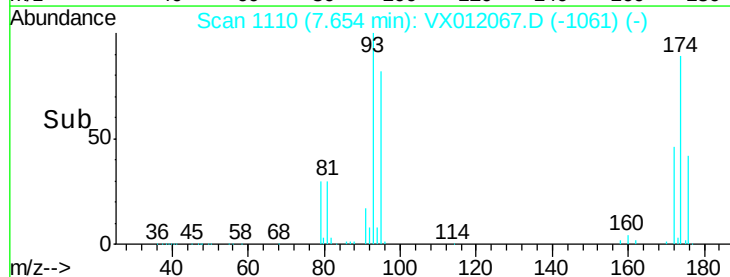
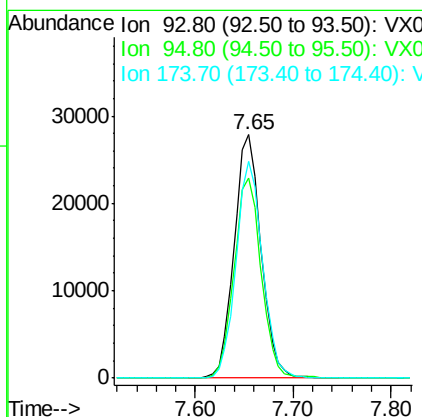
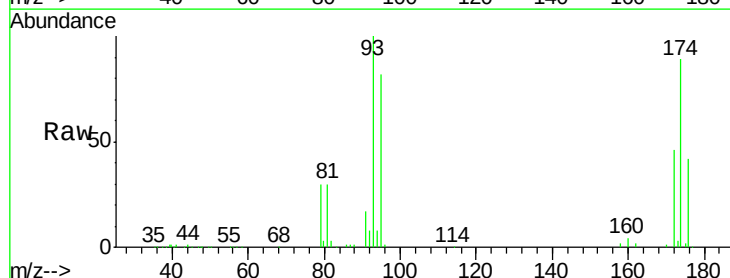
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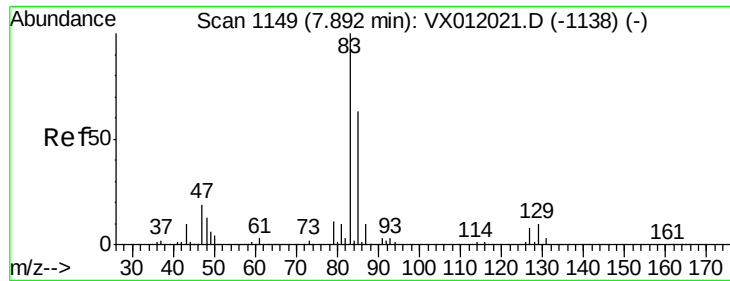
sam
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#46
 Dibromomethane
 Concen: 51.549 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion: 93 Resp: 53278
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.2 99.2
 174 87.8 110.2 165.4#





#47

Bromodichloromethane

Concen: 51.931 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

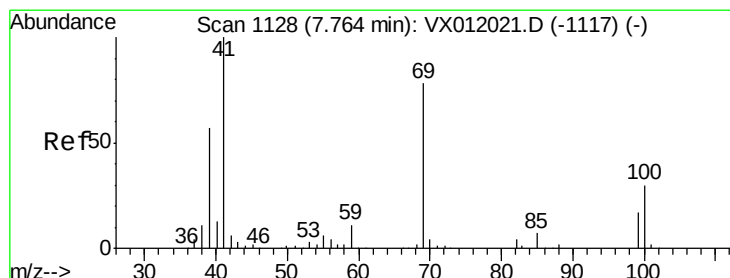
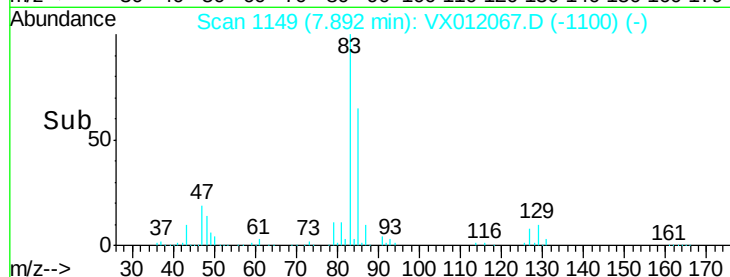
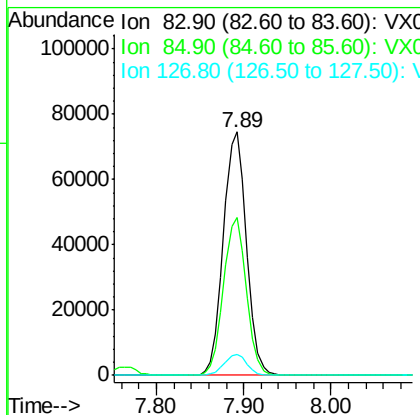
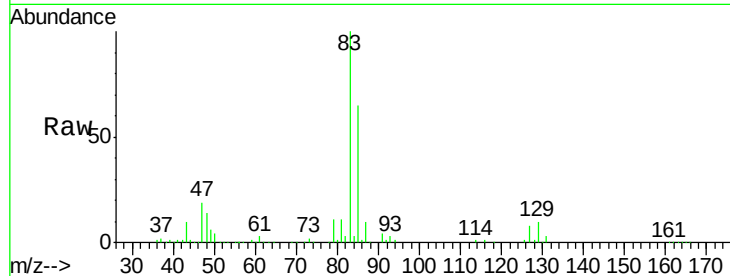
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	136429
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	8.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.420 ug/l

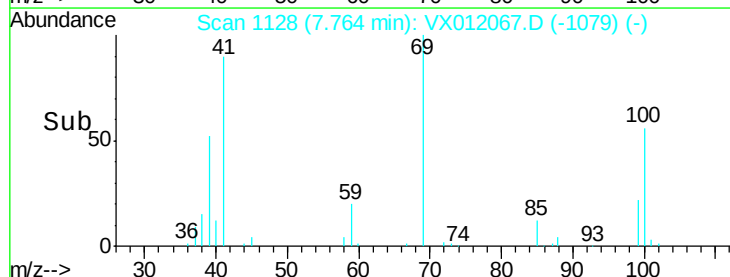
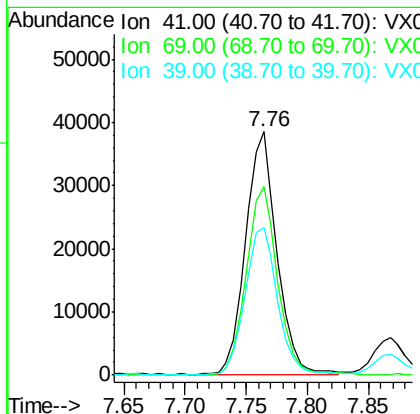
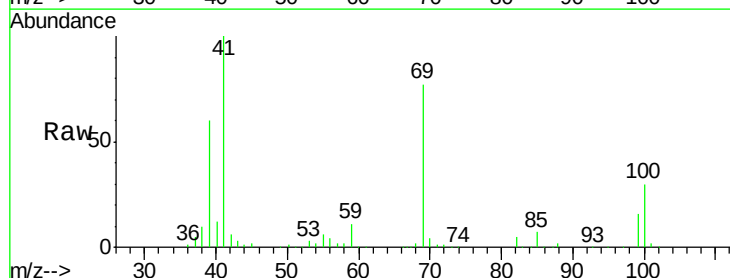
RT: 7.76 min Scan# 1128

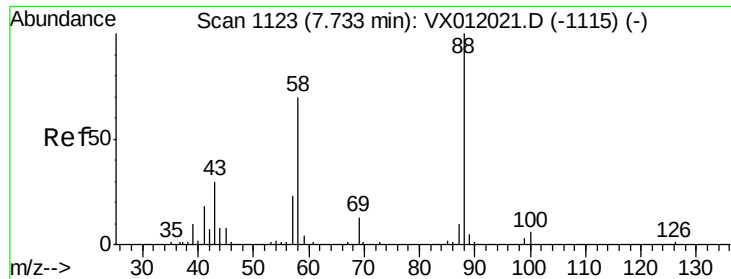
Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion:	41	Resp:	68239
Ion	Ratio	Lower	Upper
41	100		
69	78.8	66.3	99.5
39	63.0	48.1	72.1





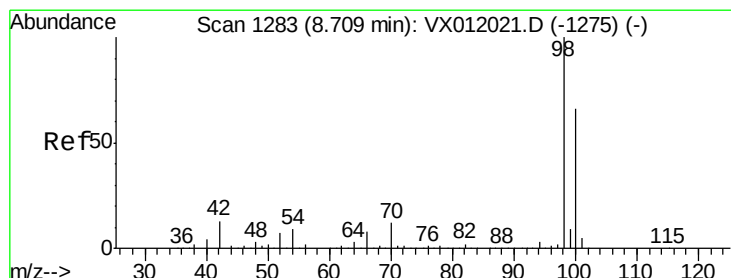
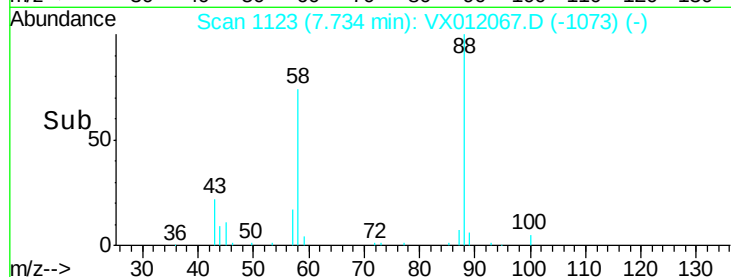
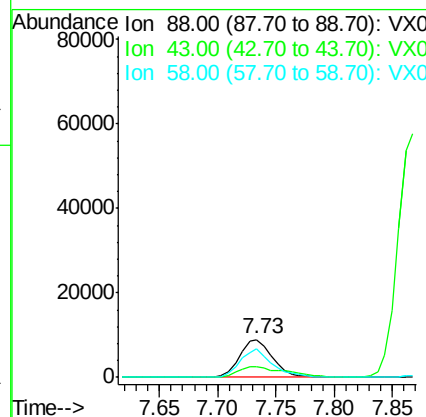
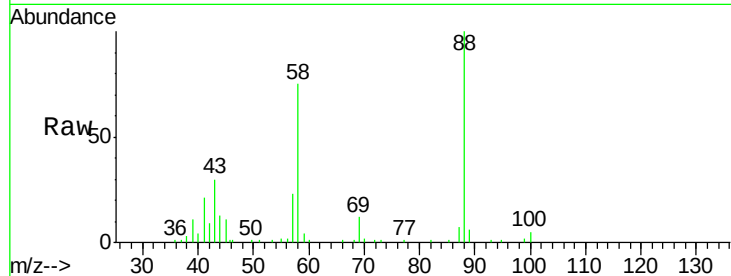
#49
1,4-Dioxane
Concen: 973.183 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	29.8	44.6
58	74.6	55.4	83.2

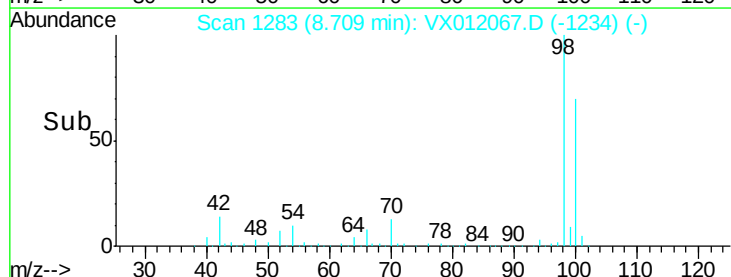
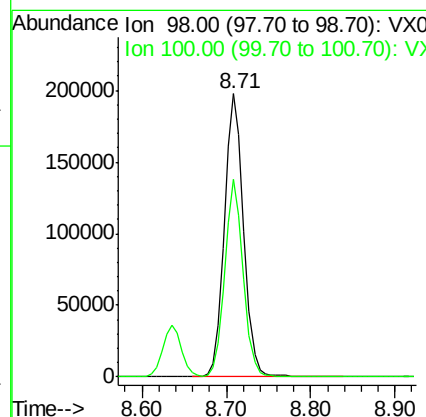
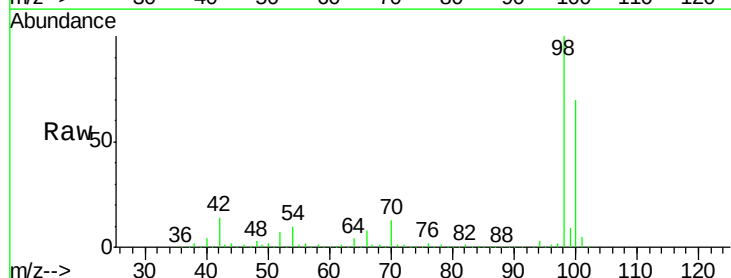
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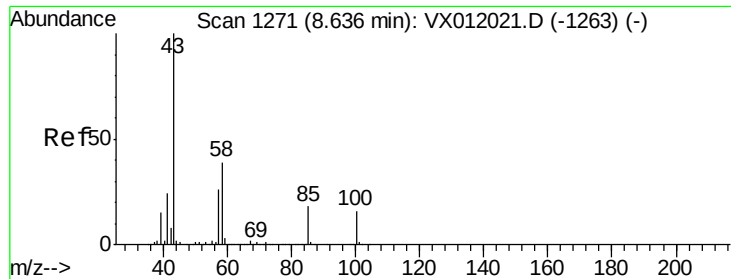
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#50
Toluene-d8
Concen: 50.482 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.3	79.9





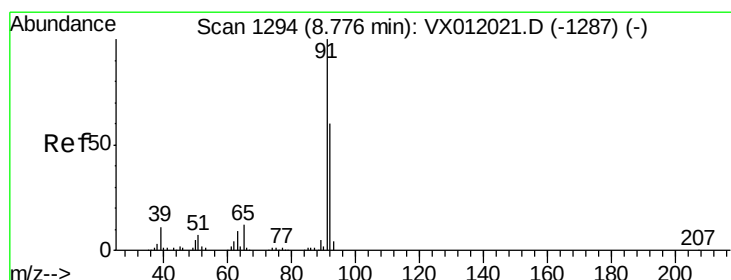
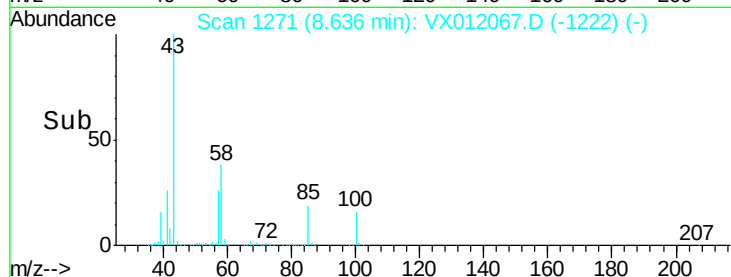
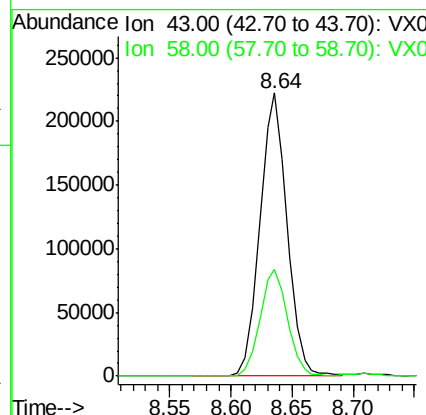
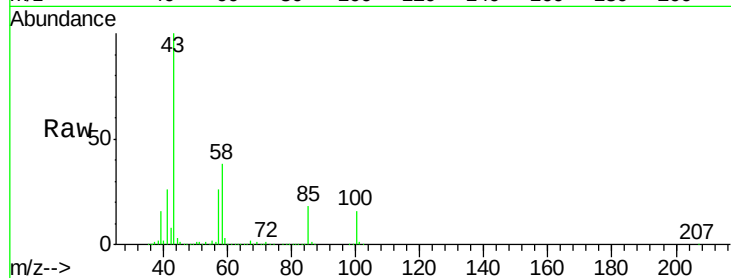
#51
4-Methyl-2-Pentanone
Concen: 255.788 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.5	47.3

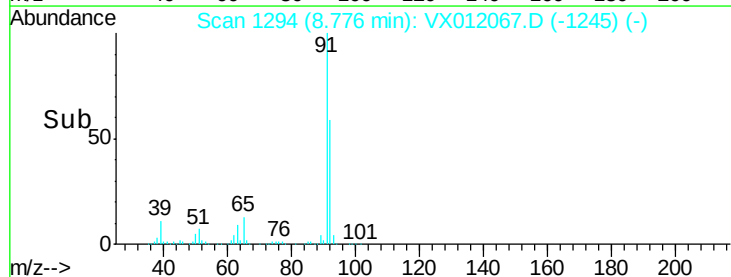
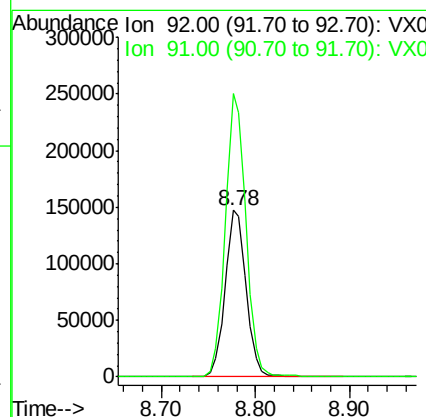
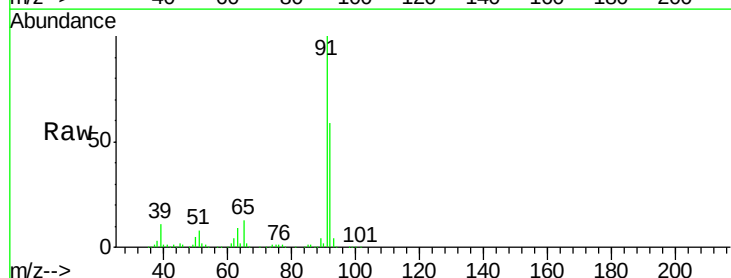
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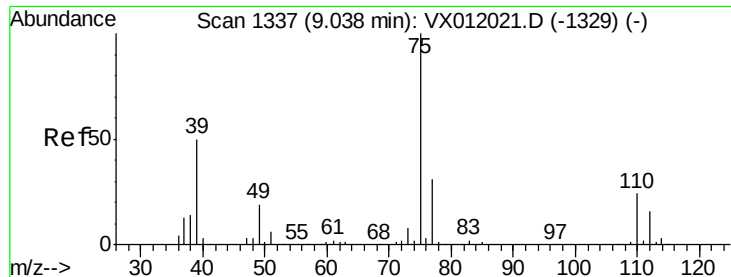
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#52
Toluene
Concen: 50.764 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.8	136.0	204.0





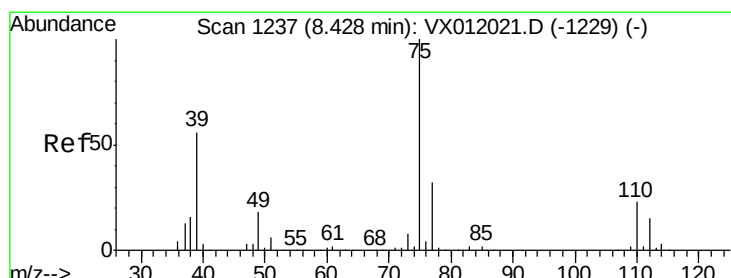
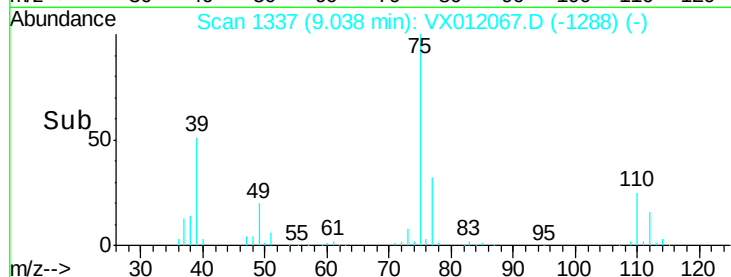
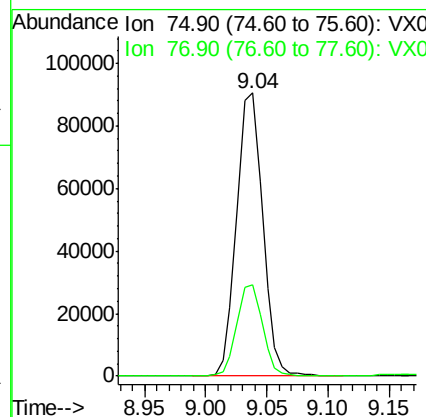
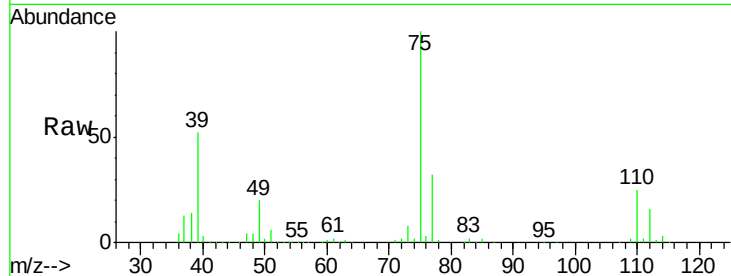
#53
t-1,3-Dichloropropene
Concen: 49.206 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 133833
Ion Ratio Lower Upper
75 100
77 32.2 25.1 37.7

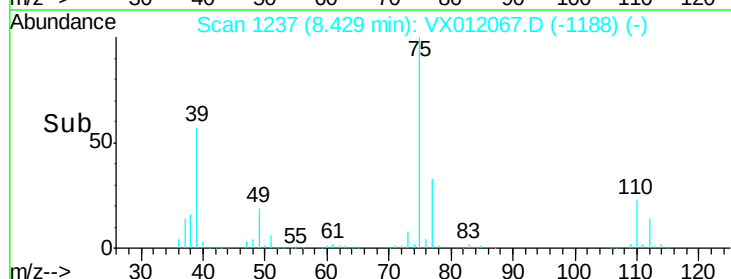
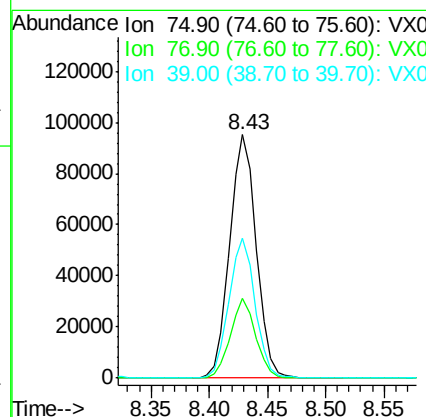
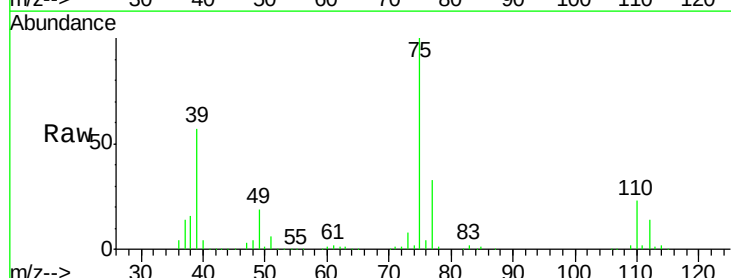
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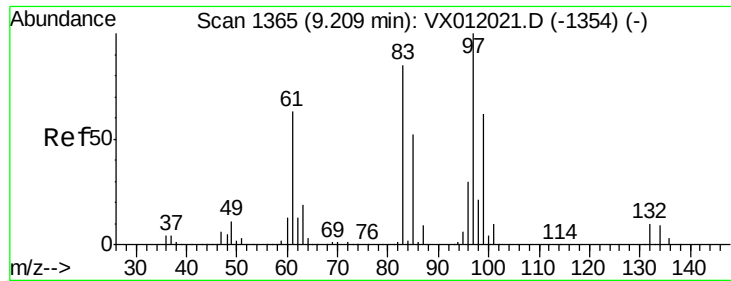
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#54
cis-1,3-Dichloropropene
Concen: 49.844 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion: 75 Resp: 150755
Ion Ratio Lower Upper
75 100
77 32.8 25.5 38.3
39 57.2 43.0 64.4





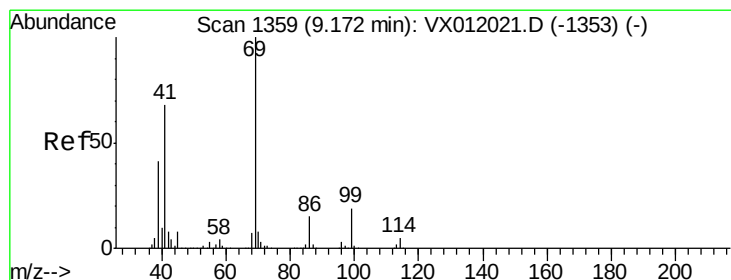
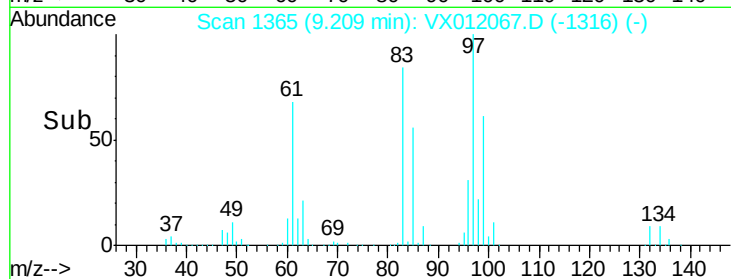
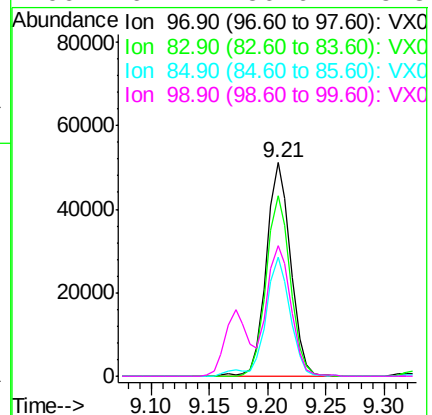
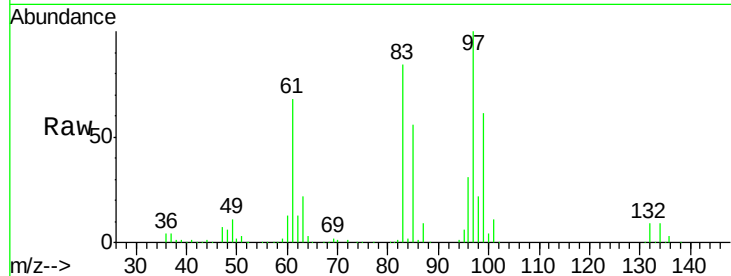
#55
 1,1,2-Trichloroethane
 Concen: 50.073 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	73990
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.0	99.0
85	55.7	41.0	61.6
99	61.4	50.6	75.8

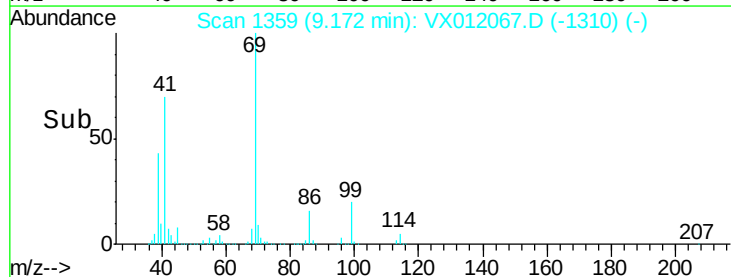
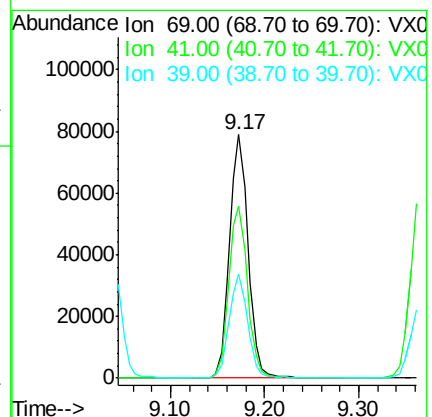
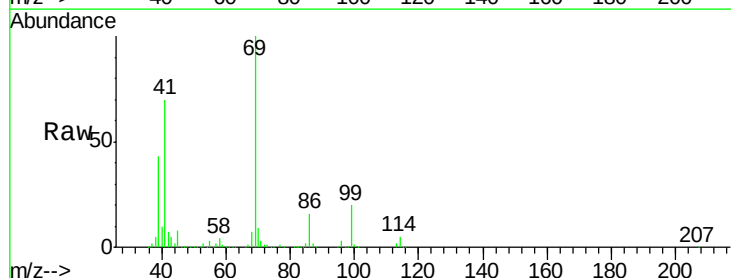
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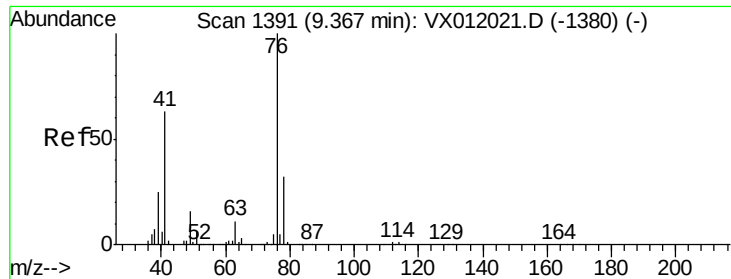
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#56
 Ethyl methacrylate
 Concen: 51.271 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion:	69	Resp:	108516
Ion	Ratio	Lower	Upper
69	100		
41	70.1	53.9	80.9
39	42.0	31.1	46.7





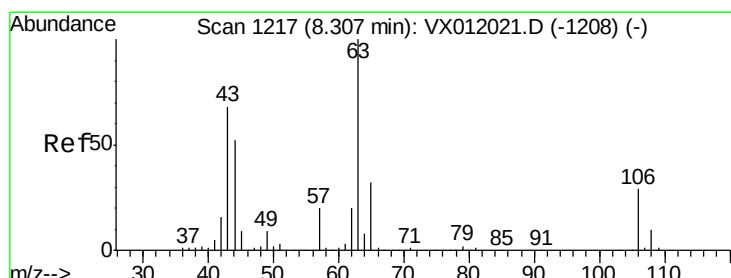
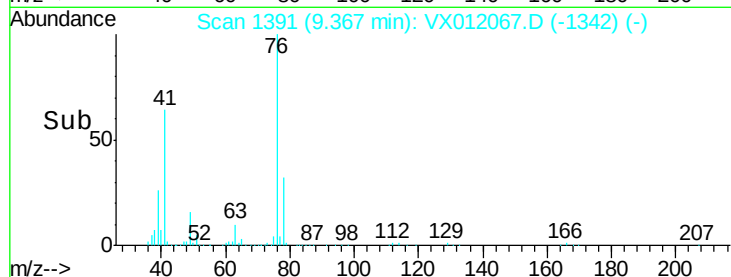
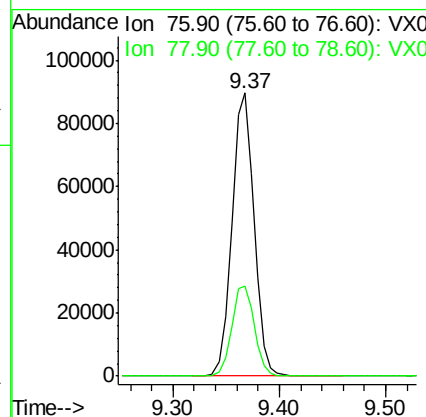
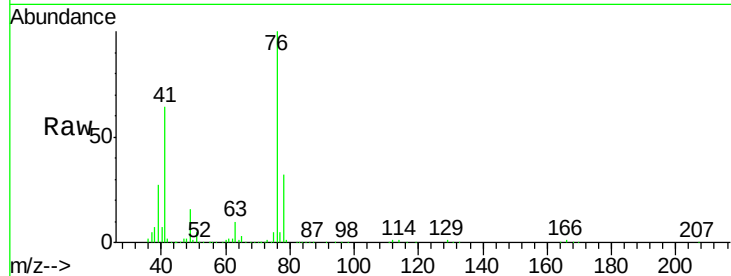
#57
 1,3-Dichloropropane
 Concen: 51.070 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

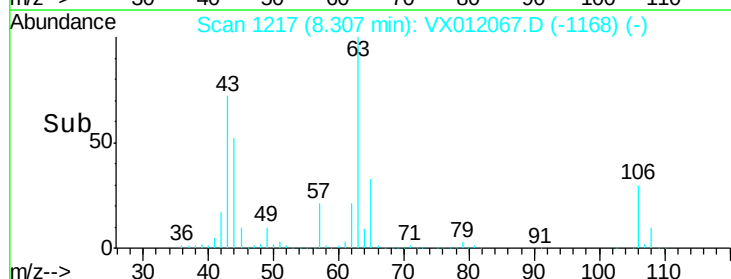
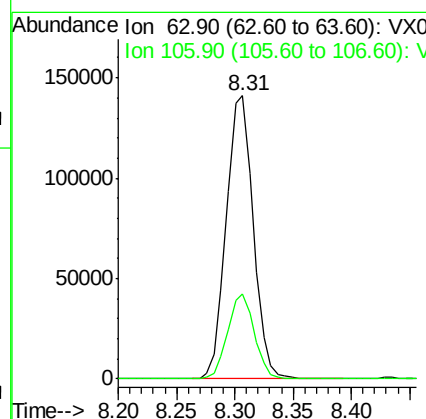
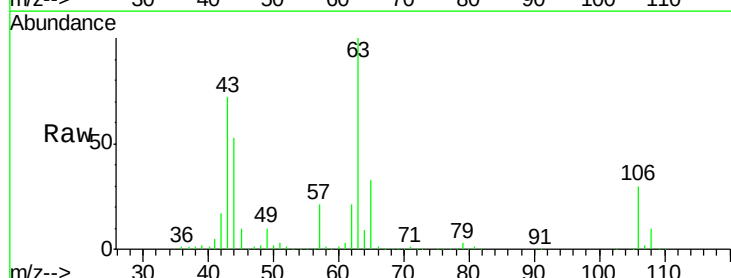
Manual Integrations
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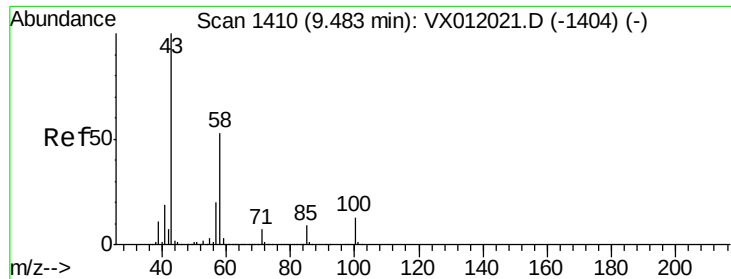
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#58
 2-Chloroethyl Vinyl ether
 Concen: 238.303 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	26.5	39.7





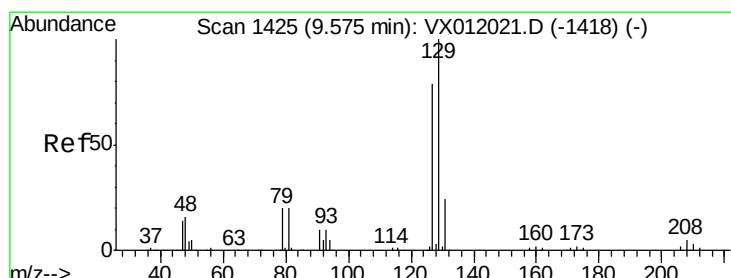
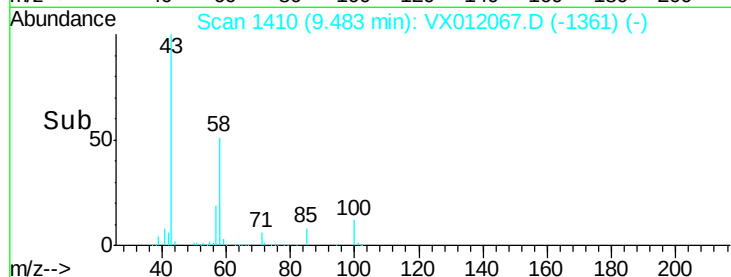
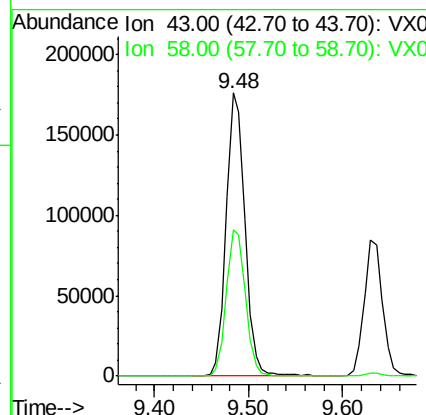
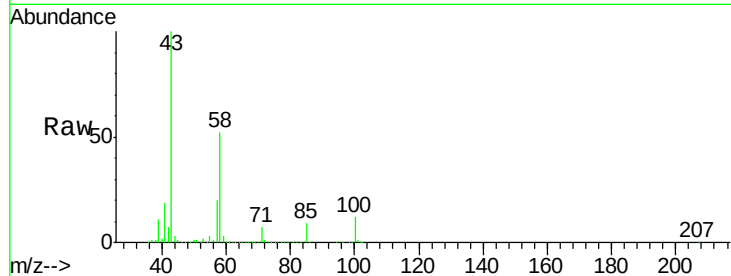
#59
2-Hexanone
Concen: 248.405 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	27.2	81.6

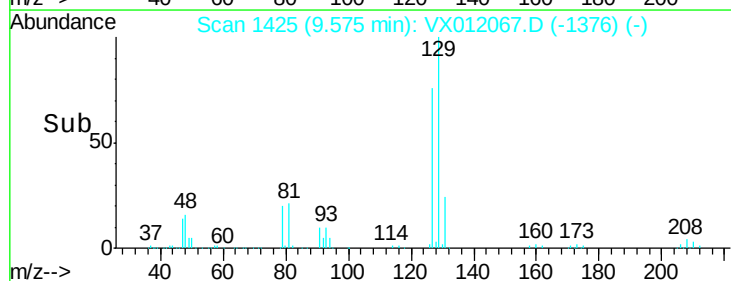
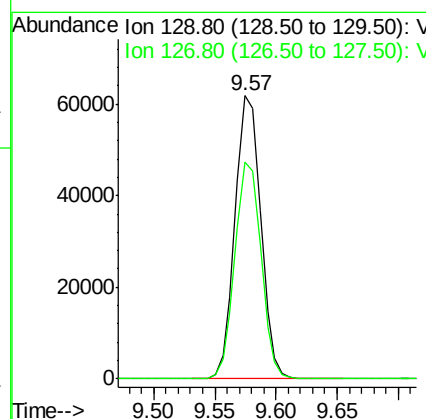
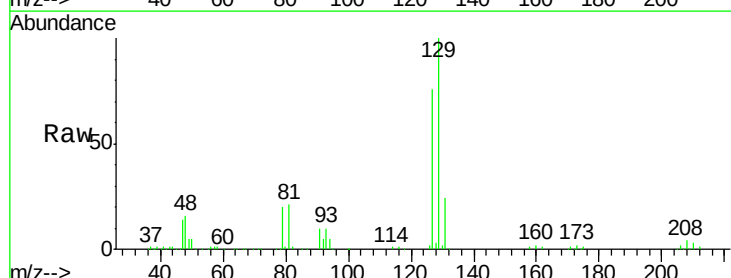
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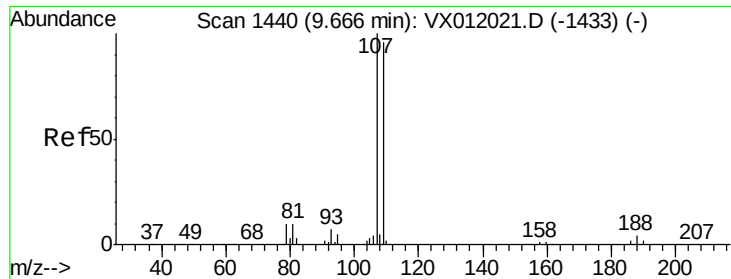
sam
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#60
Dibromochloromethane
Concen: 51.167 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.1	114.5





#61

1,2-Dibromoethane

Concen: 51.256 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 73185

Ion Ratio Lower Upper

107 100

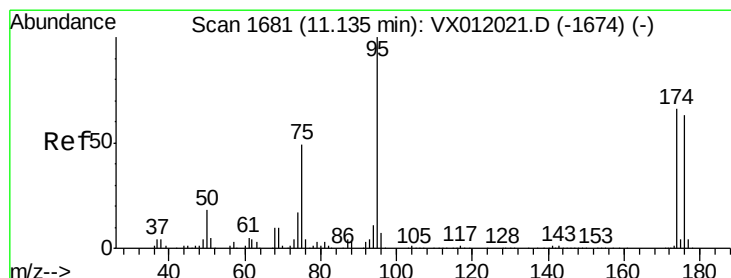
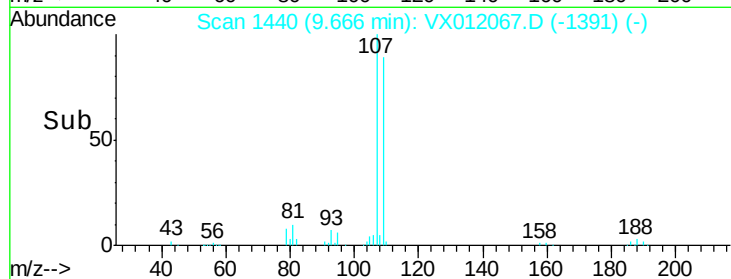
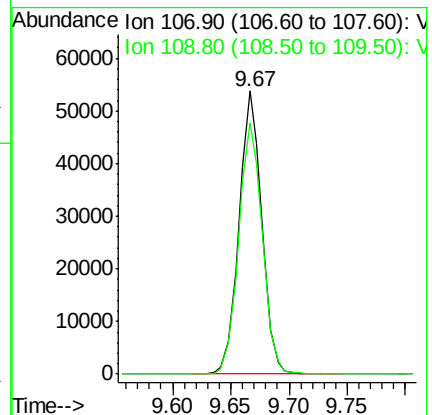
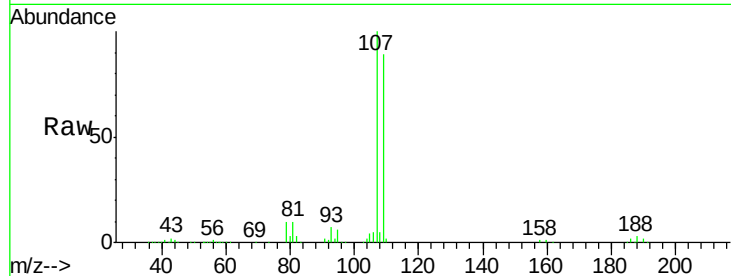
109 92.4 76.9 115.3

Manual Integrations

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sam

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#62

4-Bromofluorobenzene

Concen: 47.661 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

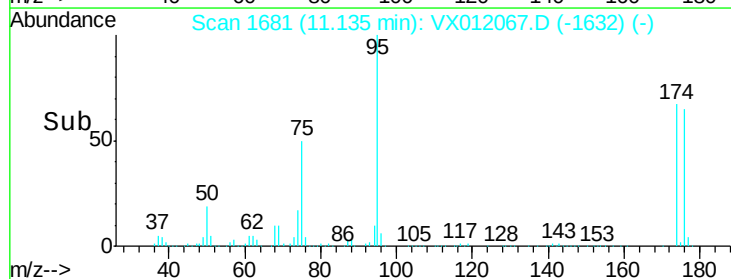
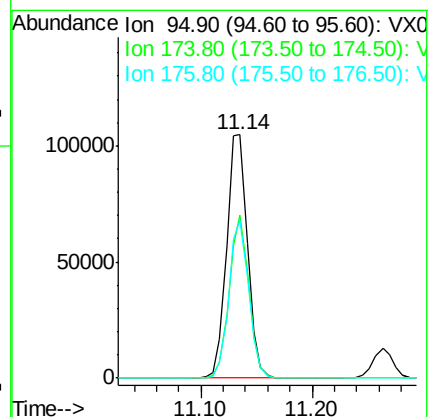
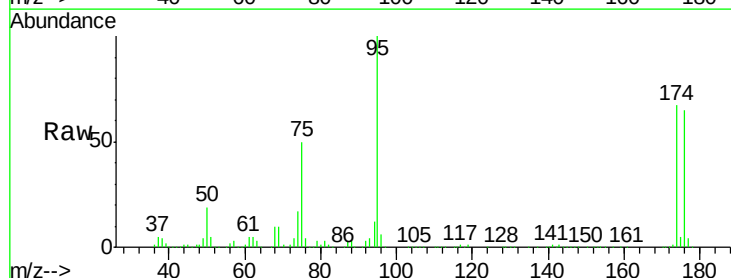
Tgt Ion: 95 Resp: 135565

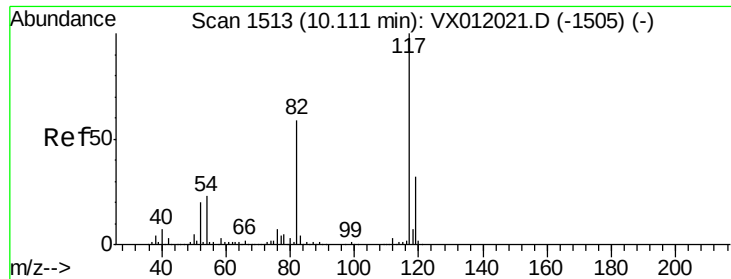
Ion Ratio Lower Upper

95 100

174 62.7 0.0 205.4

176 61.7 0.0 201.8





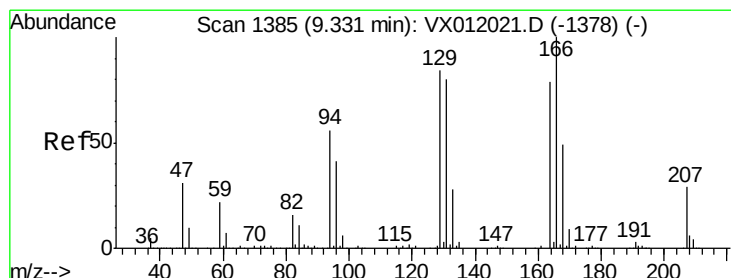
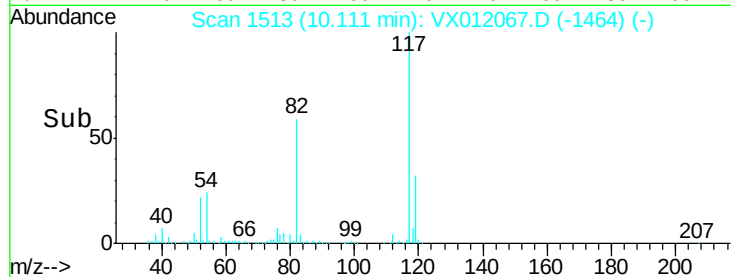
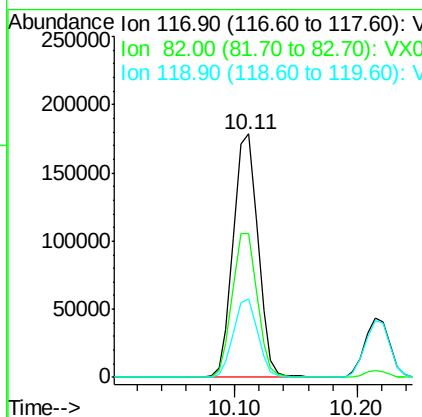
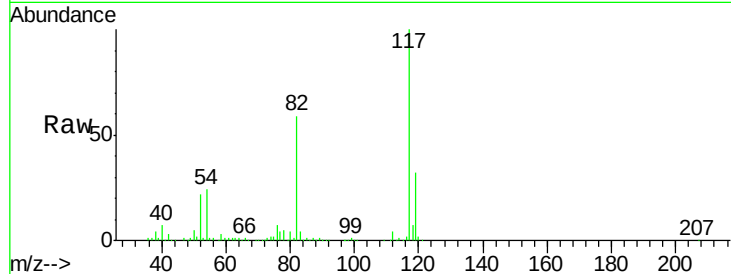
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249353		
82	58.8		39.4	59.0
119	32.3		26.1	39.1

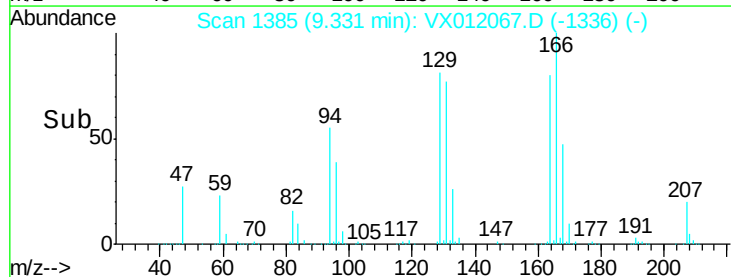
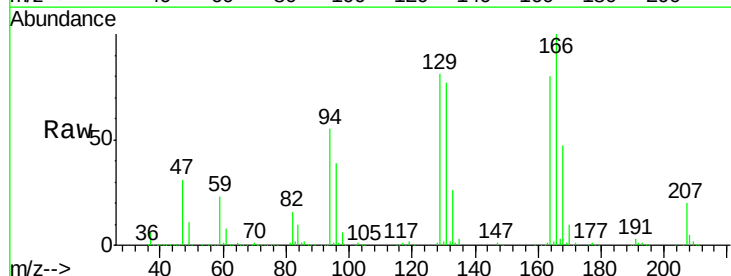
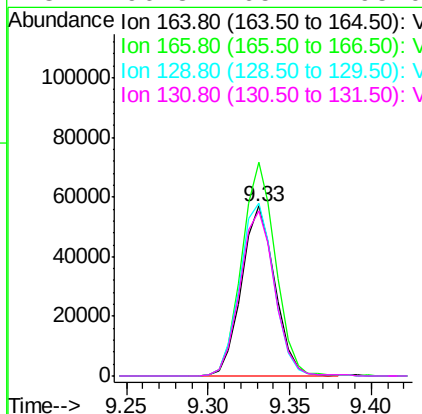
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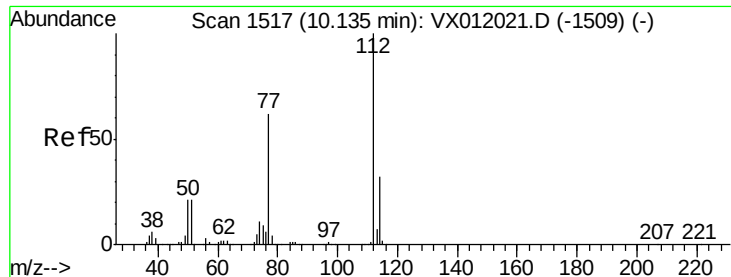
sam
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#64
Tetrachloroethene
Concen: 52.254 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81233		
166	125.5		104.3	156.5
129	101.3		68.3	102.5
131	96.8		65.4	98.0





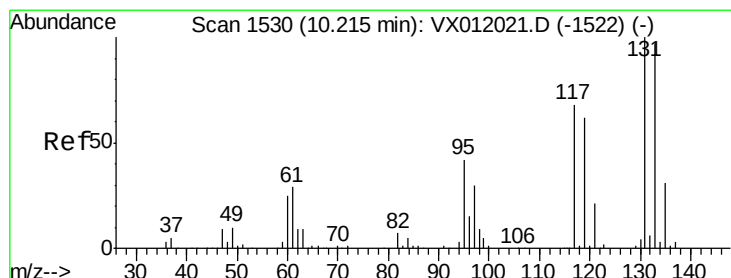
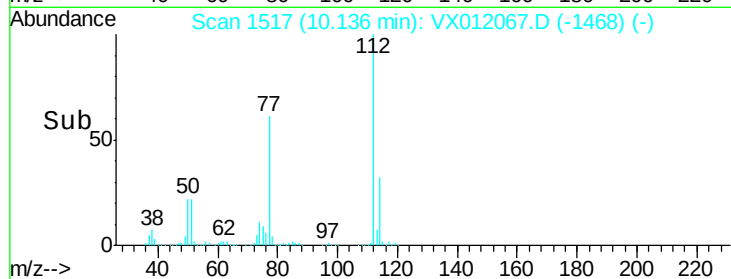
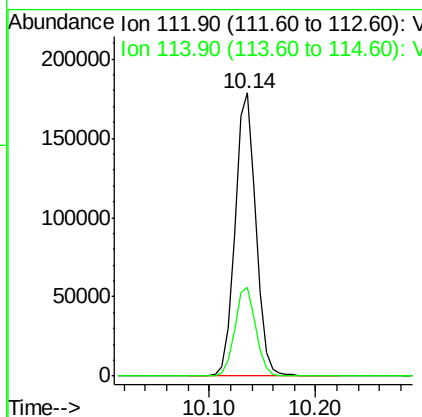
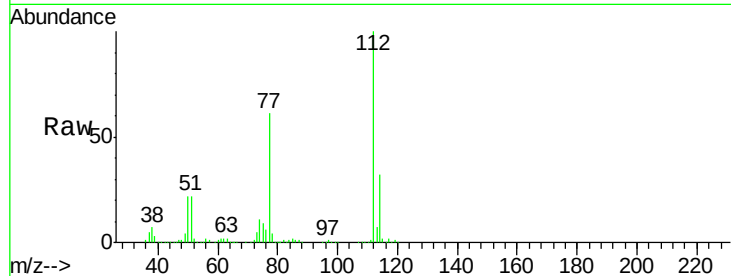
#65
Chlorobenzene
Concen: 49.533 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 243696
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.2

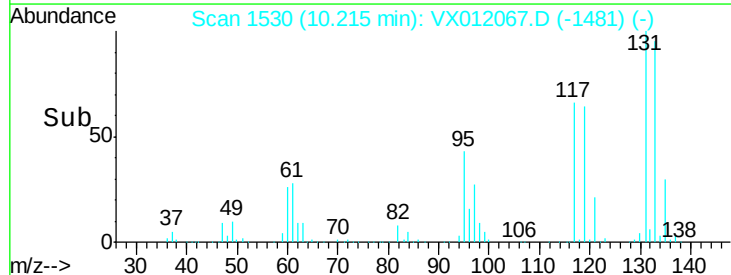
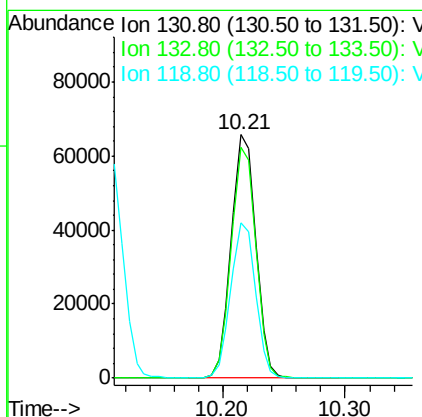
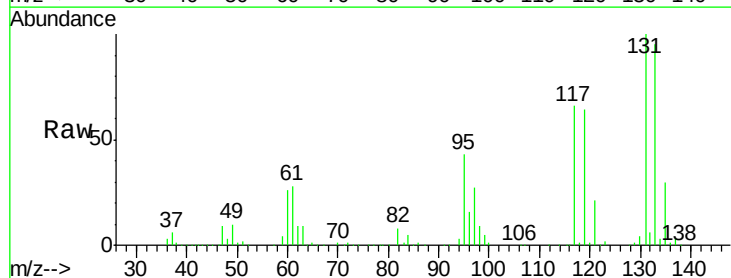
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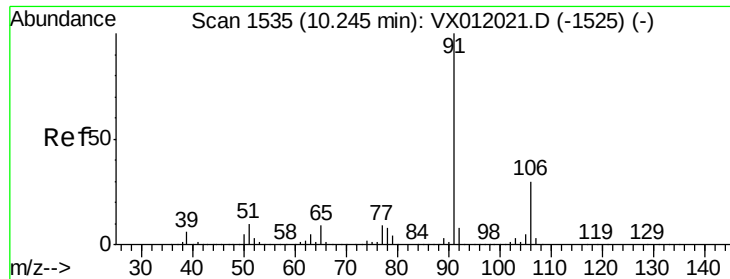
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.875 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion:131 Resp: 91521
Ion Ratio Lower Upper
131 100
133 94.7 48.4 145.0
119 64.2 30.5 91.5





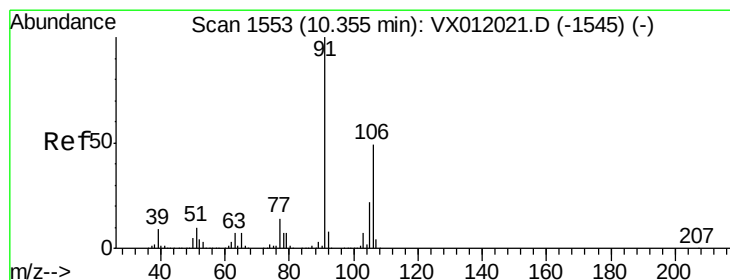
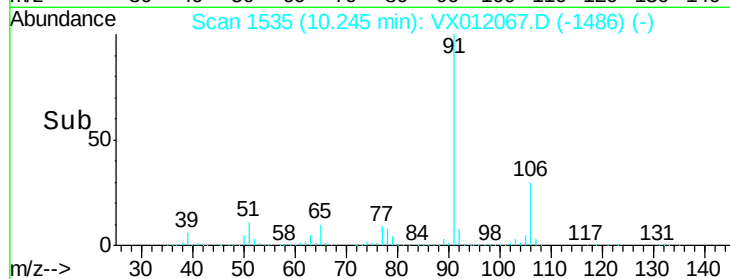
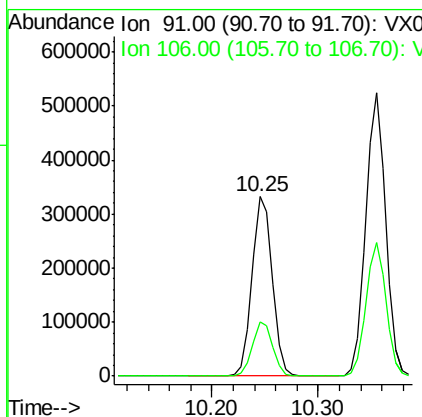
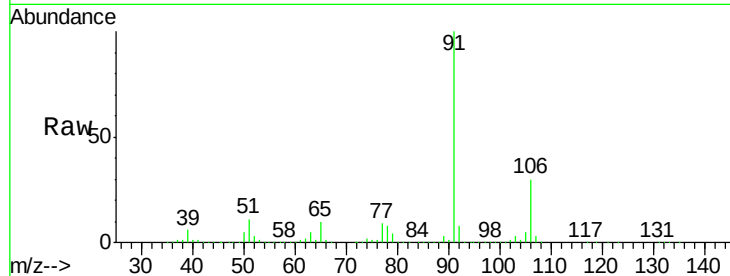
#67
Ethyl Benzene
Concen: 49.741 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 446081
Ion Ratio Lower Upper
91 100
106 30.4 25.8 38.8

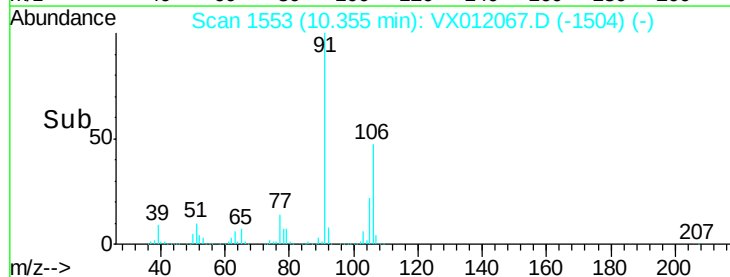
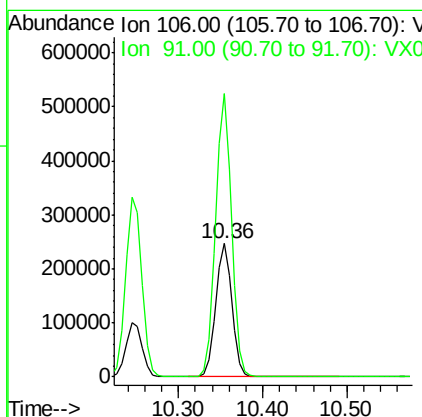
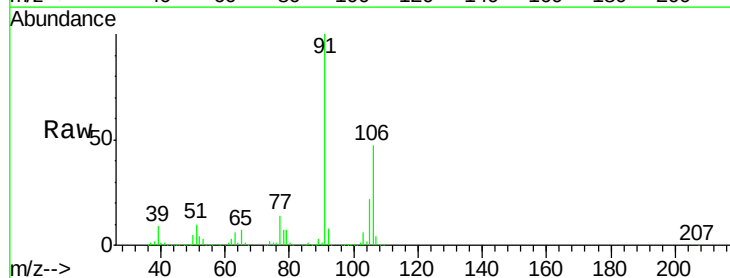
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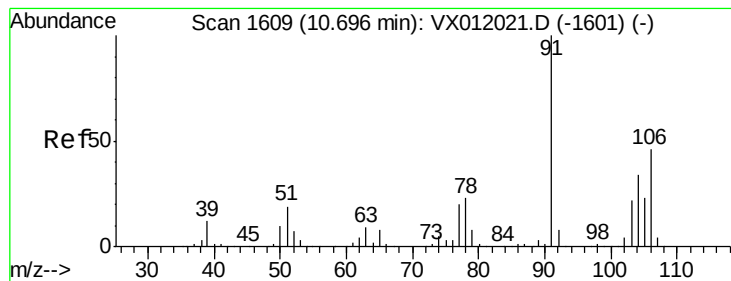
sam
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#68
m/p-Xylenes
Concen: 99.160 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion: 106 Resp: 327641
Ion Ratio Lower Upper
106 100
91 210.7 157.5 236.3





#69

o-Xylene

Concen: 49.615 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 158966

Ion Ratio Lower Upper

106 100

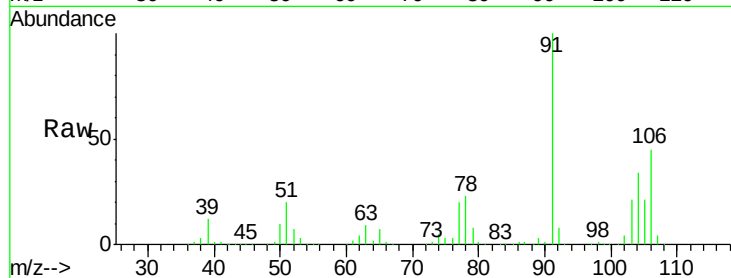
91 222.9 103.5 310.3

Manual Integrations

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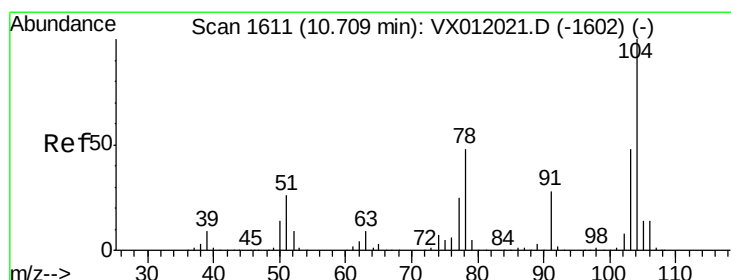
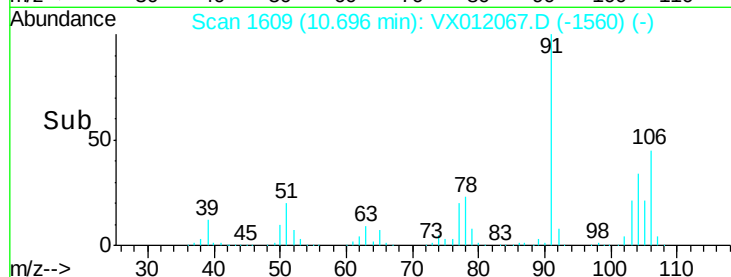
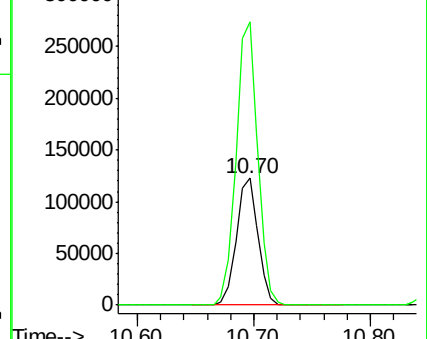
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#70

Styrene

Concen: 50.603 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

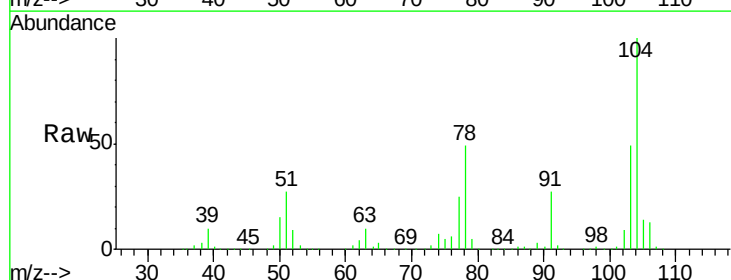
Tgt Ion:104 Resp: 281613

Ion Ratio Lower Upper

104 100

78 55.4 39.1 58.7

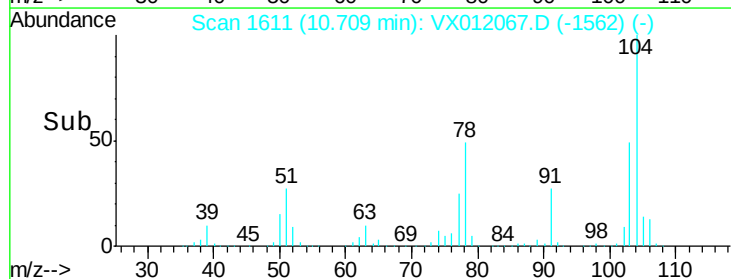
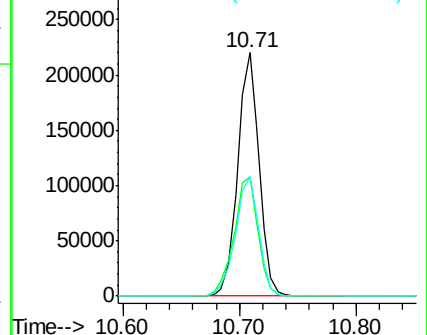
103 53.6 43.4 65.2

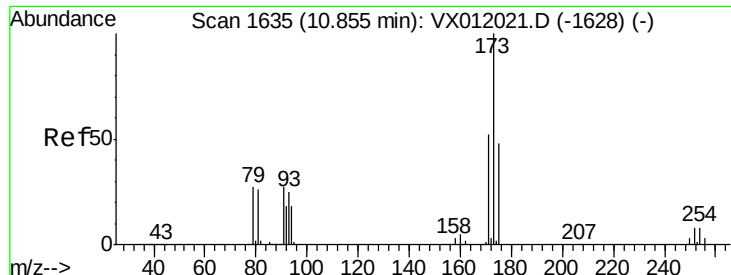


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.792 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

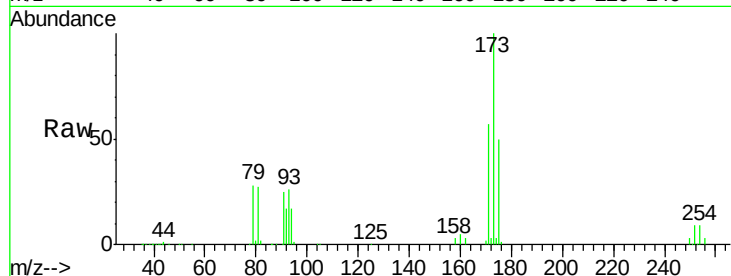
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.9	74.7
254	0.0	0.1	0.1#

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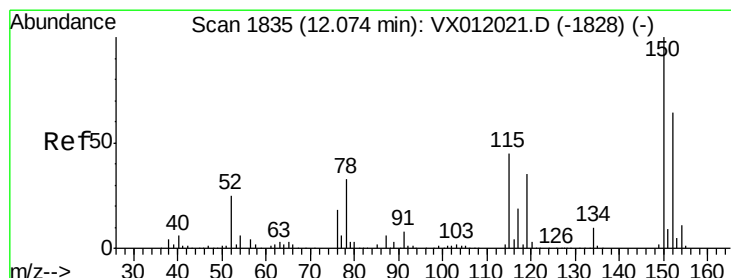
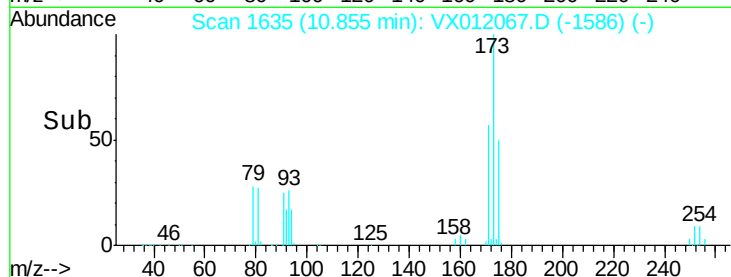
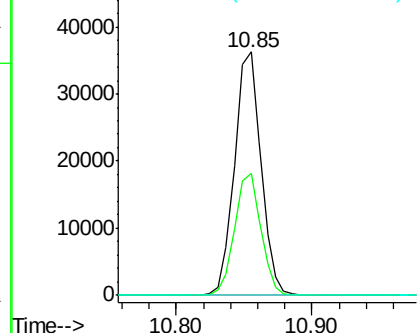


Abundance

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

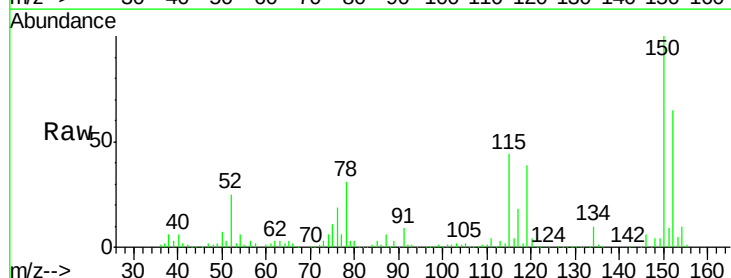
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	91.0	36.4	109.3
150	172.8	0.0	341.2

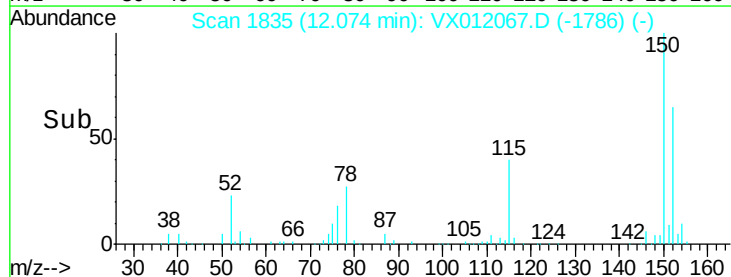
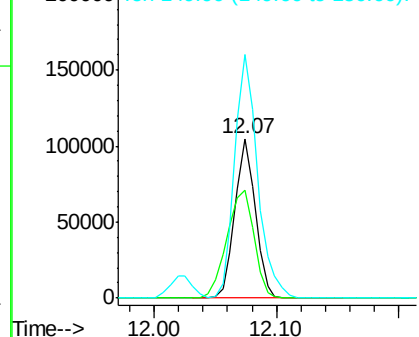


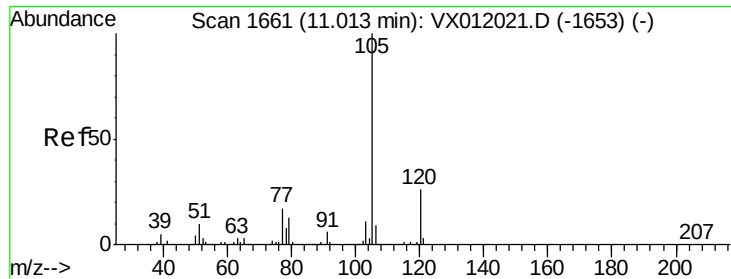
Abundance

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: 48.417 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 425994

Ion Ratio Lower Upper

105 100

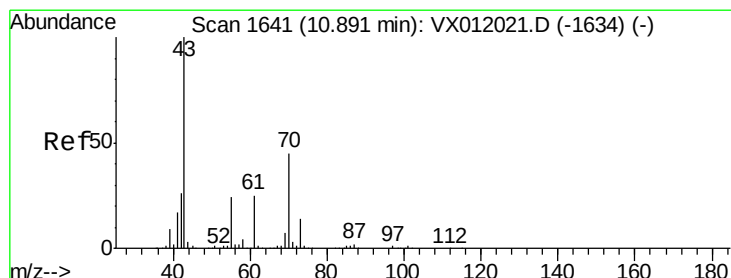
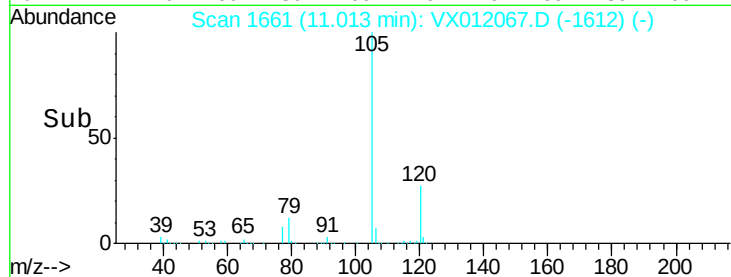
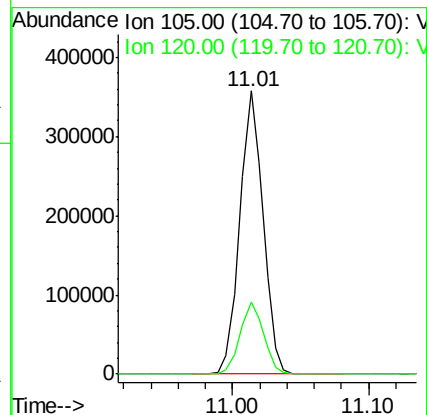
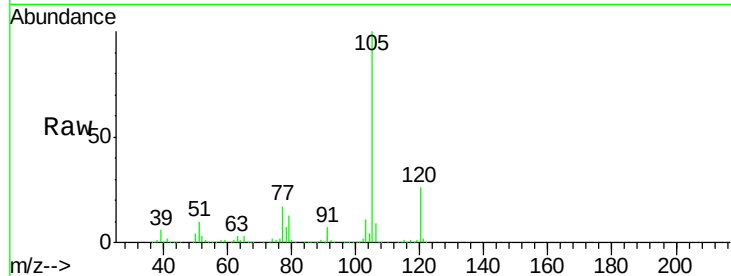
120 25.7 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.033 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion: 43 Resp: 130156

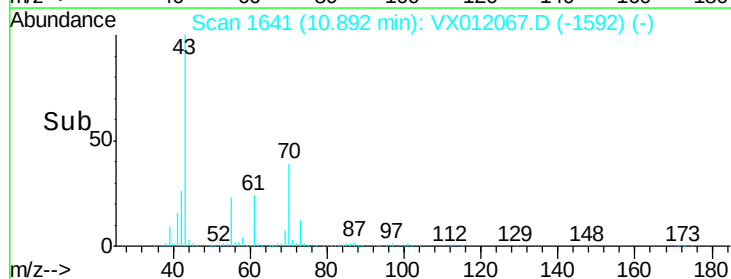
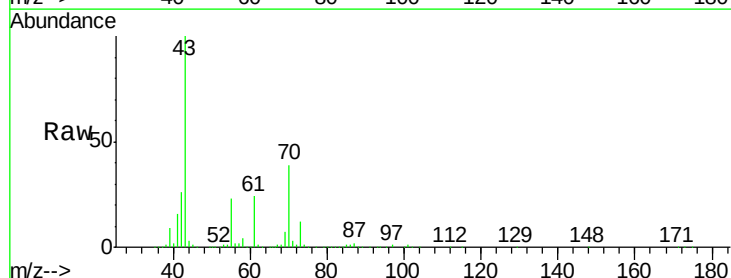
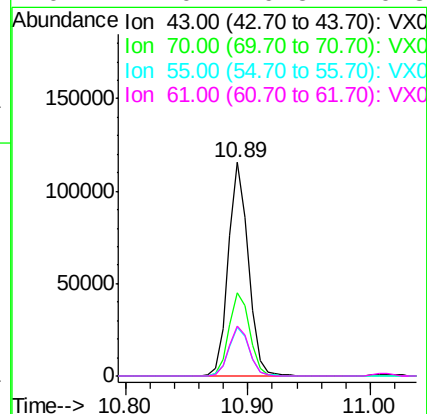
Ion Ratio Lower Upper

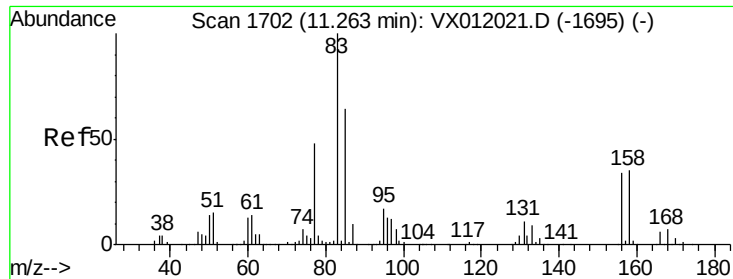
43 100

70 40.9 34.4 51.6

55 23.2 18.5 27.7

61 24.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.034 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

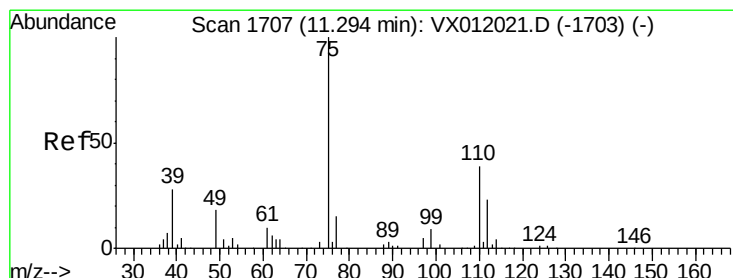
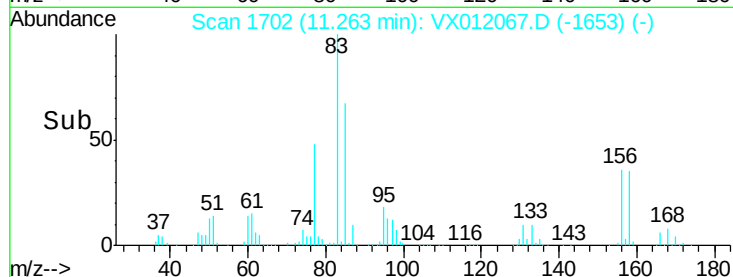
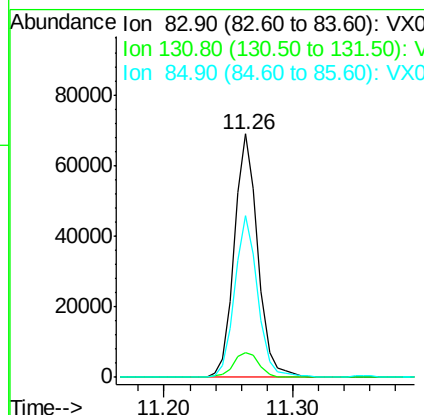
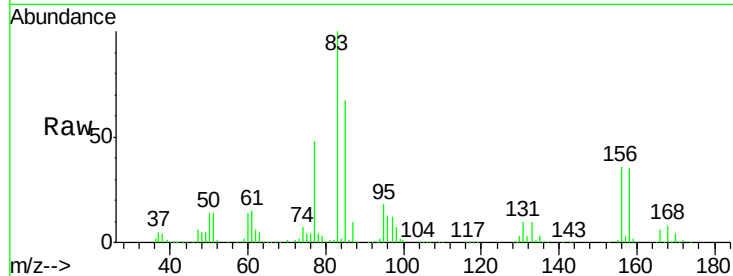
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	88106
Ion	Ratio	Lower	Upper
83	100		
131	11.2	6.3	19.1
85	65.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.879 ug/l m

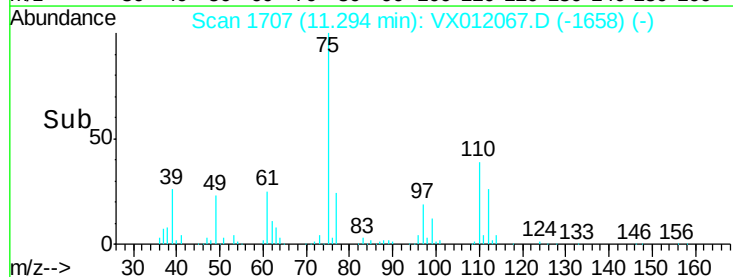
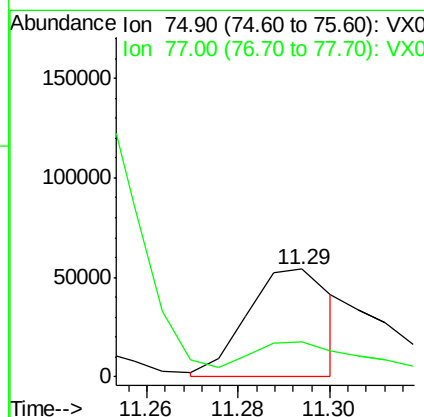
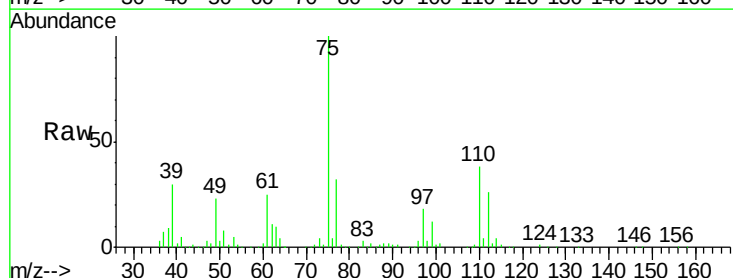
RT: 11.29 min Scan# 1707

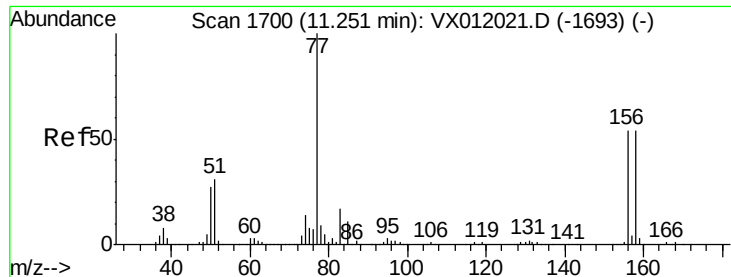
Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion:	75	Resp:	68687
Ion	Ratio	Lower	Upper
75	100		
77	45.1	23.5	70.5





#77

Bromobenzene

Concen: 50.561 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

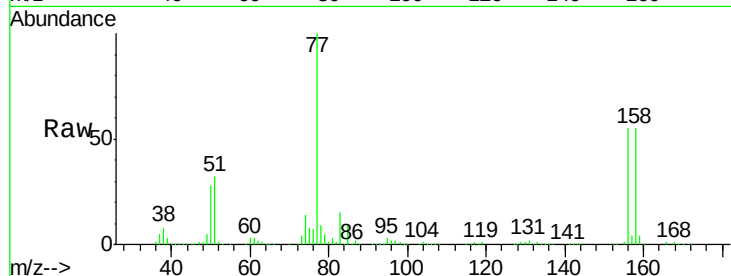
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.7	63.4	190.2
158	96.8	48.9	146.6

Manual Integrations
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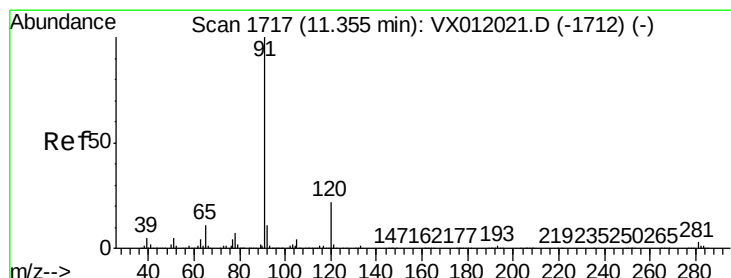
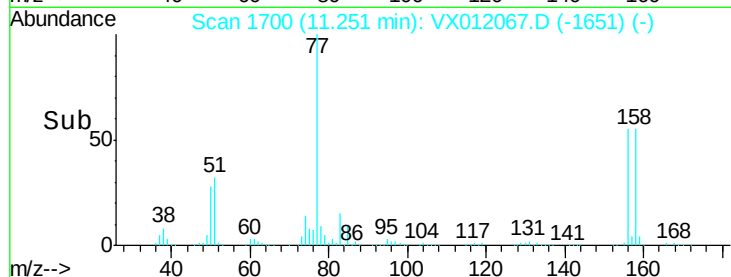
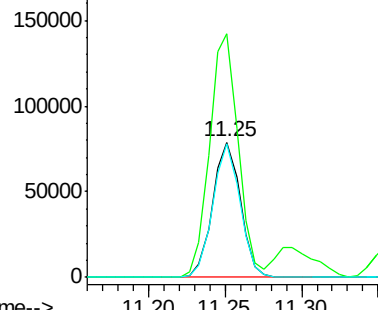
sam
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.226 ug/l

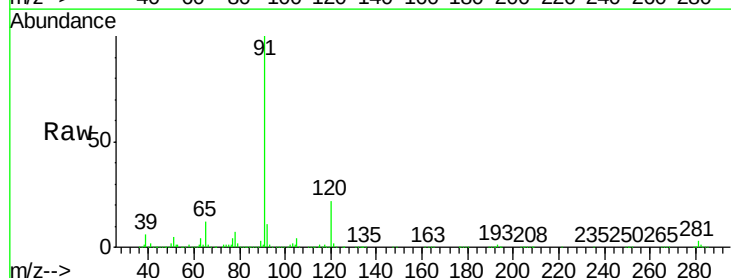
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012067.D

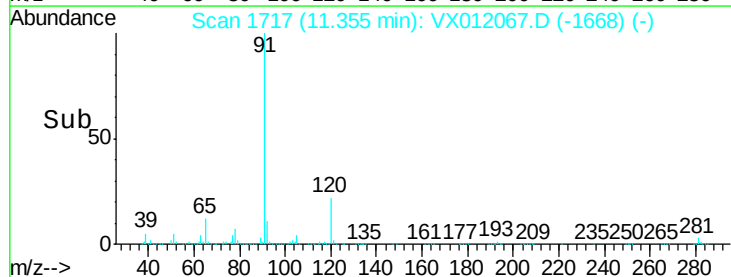
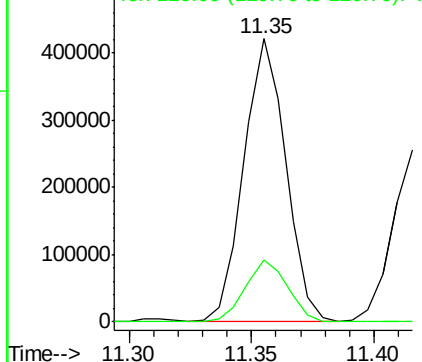
Acq: 04 Sep 2019 22:43

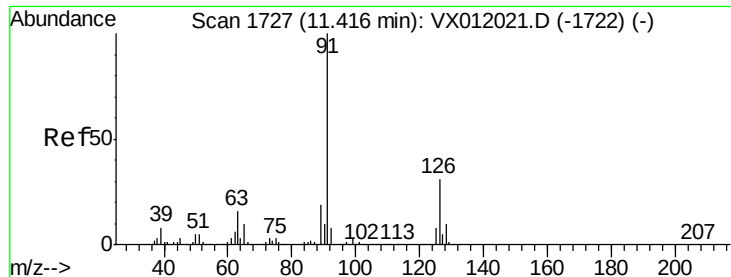
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.531 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 312526

Ion Ratio Lower Upper

91 100

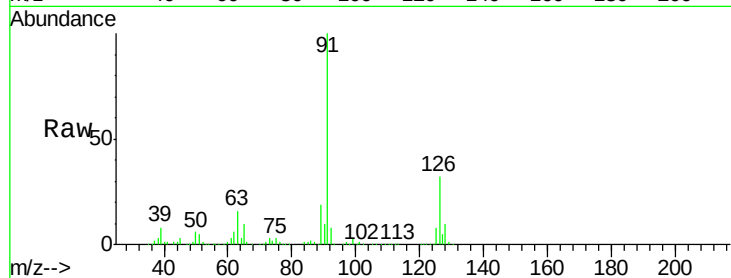
126 32.0 18.6 55.8

Manual Integrations

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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) (-)

500000

400000

300000

200000

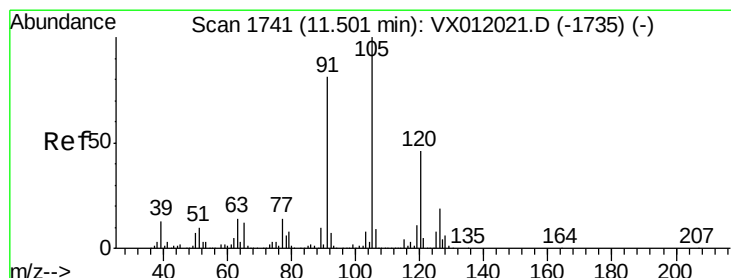
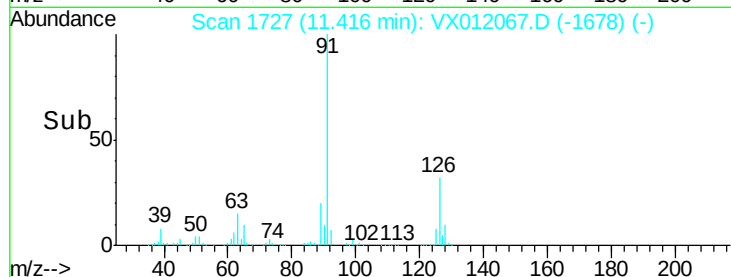
100000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.514 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012067.D

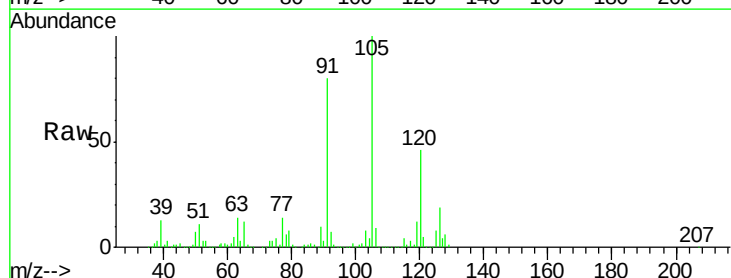
Acq: 04 Sep 2019 22:43

Tgt Ion: 105 Resp: 374064

Ion Ratio Lower Upper

105 100

120 46.7 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) (-)

300000

200000

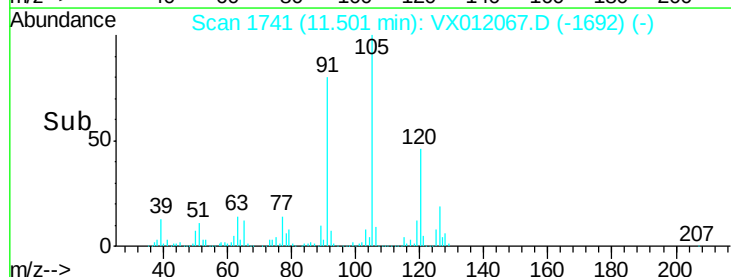
100000

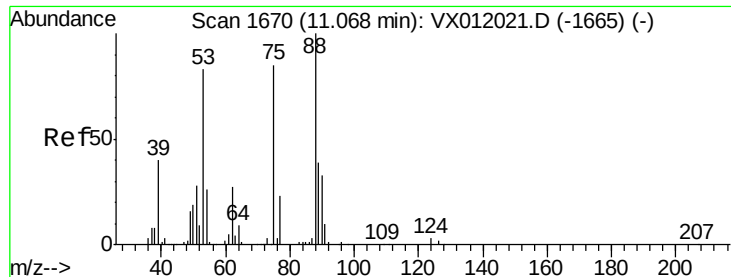
0

11.50

11.60

Time-->





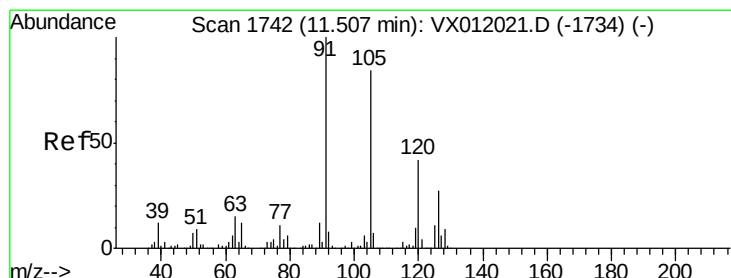
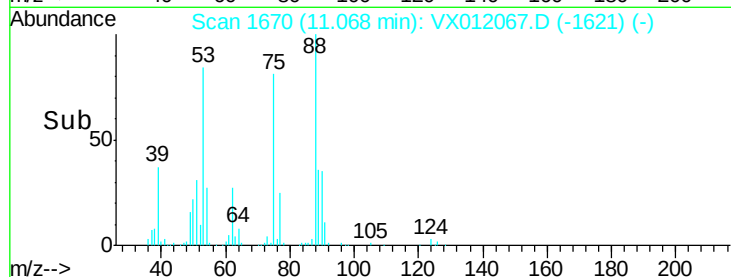
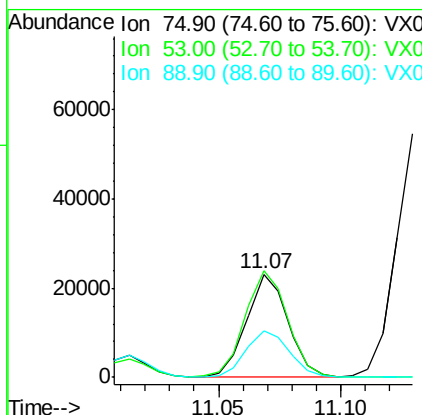
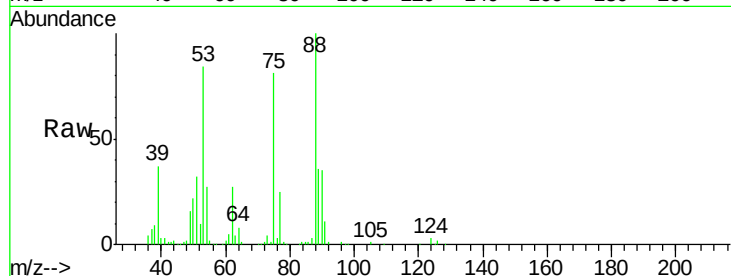
#81
trans-1,4-Dichloro-2-butene
Concen: 43.927 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.6	117.8
89	48.6	38.8	58.2

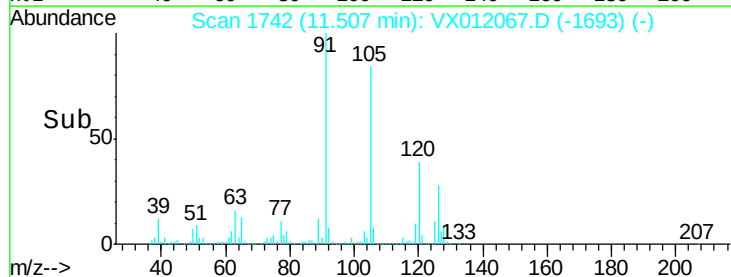
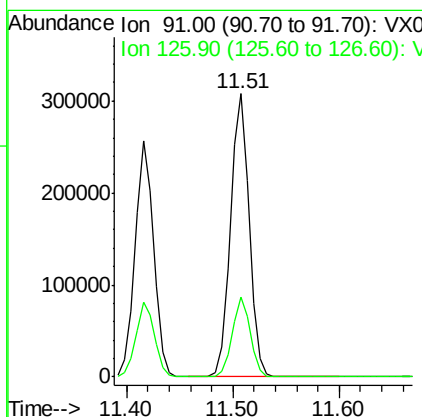
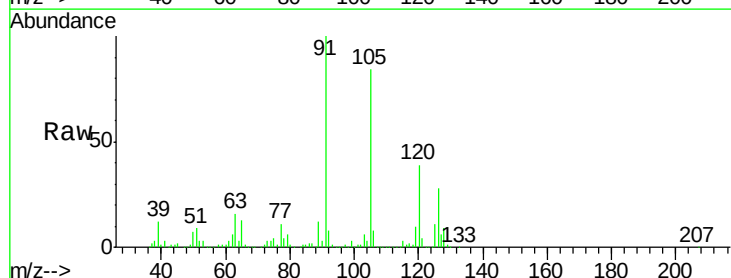
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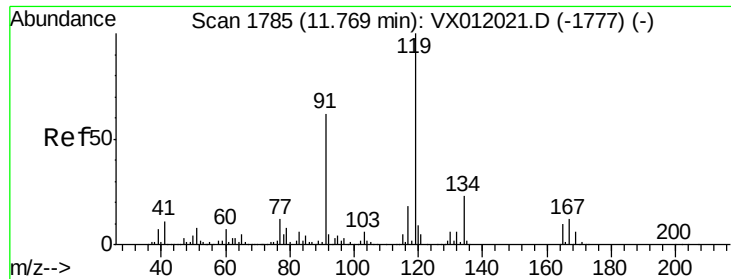
sam
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#82
4-Chlorotoluene
Concen: 49.298 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.3	16.2	48.6





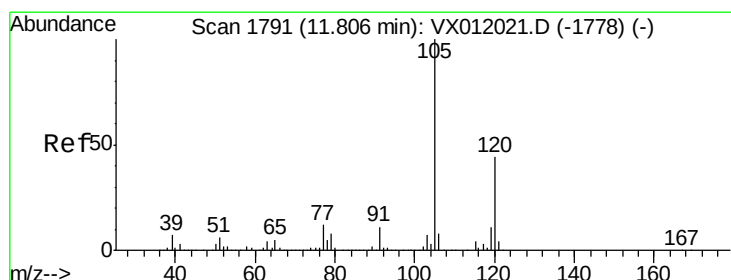
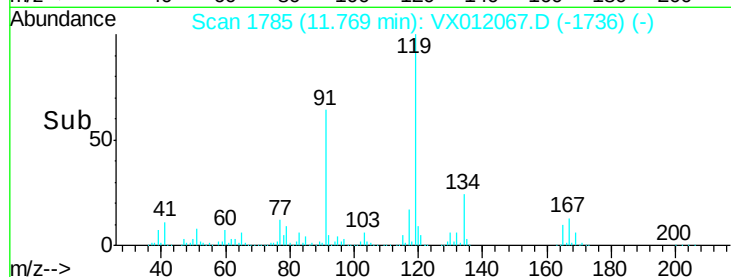
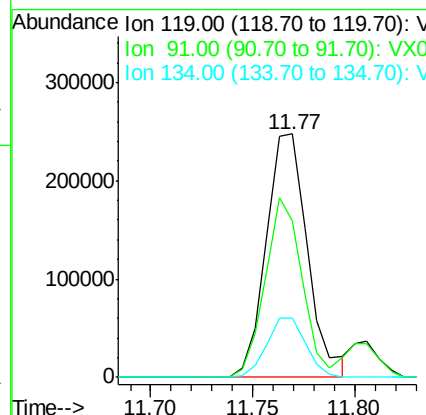
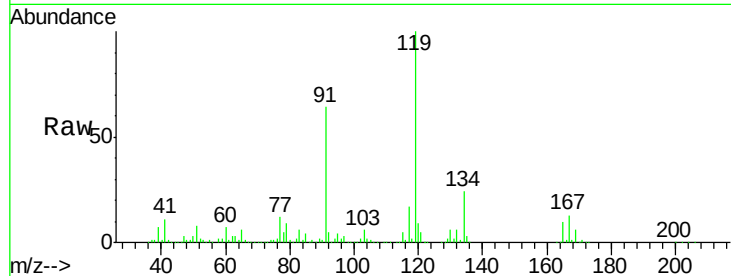
#83
 tert-Butylbenzene
 Concen: 47.754 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	350949		
91	65.6	27.1	81.2	
134	23.3	12.1	36.3	

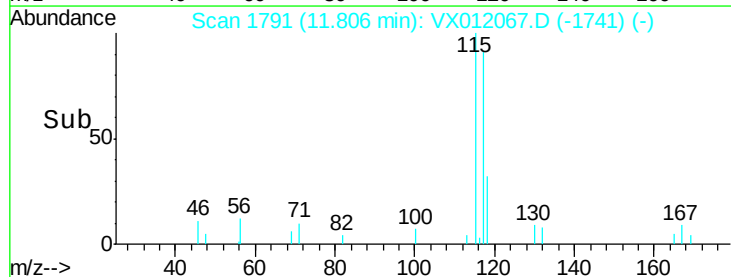
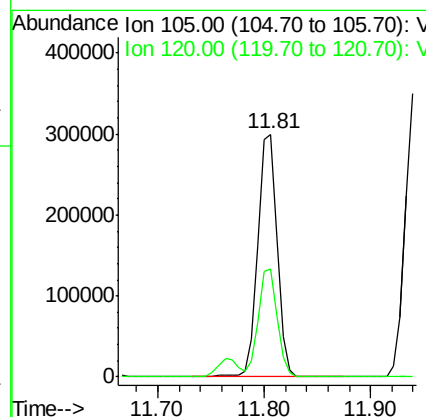
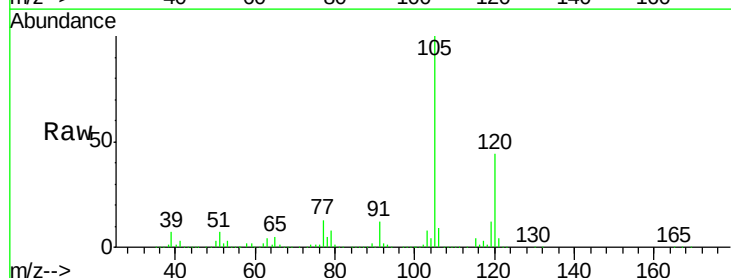
Manual Integrations
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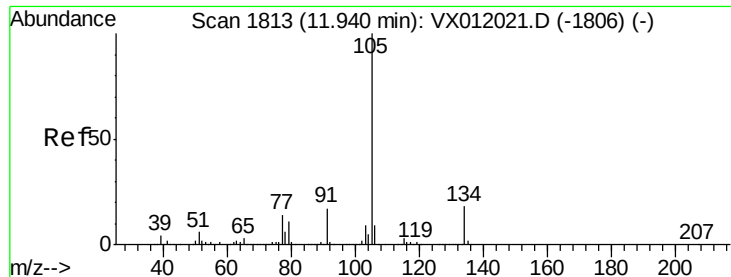
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.547 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	384716		
120	43.4	23.6	70.8	





#85

sec-Butylbenzene

Concen: 46.839 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 427547

Ion Ratio Lower Upper

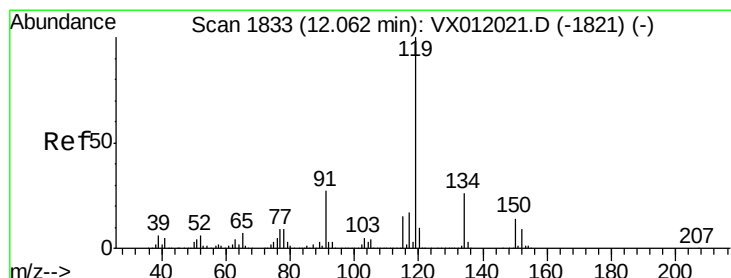
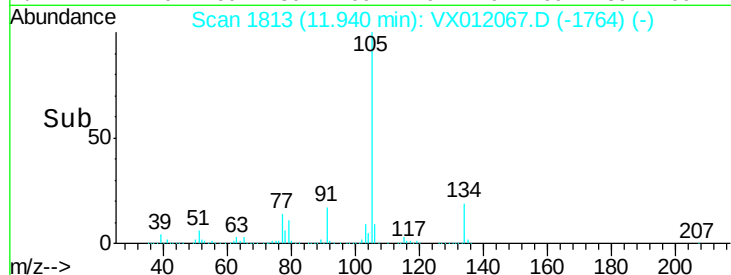
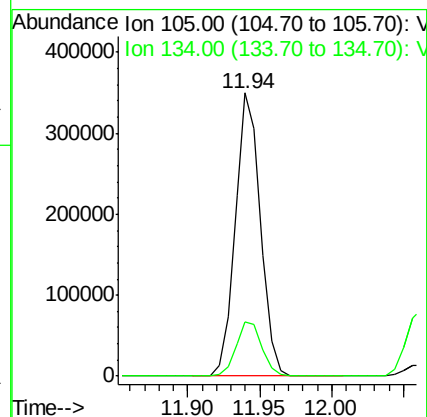
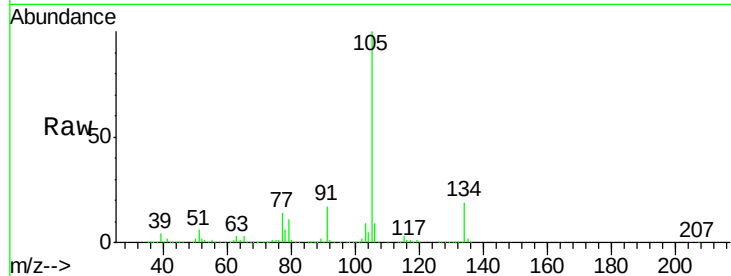
105 100

134 19.7 11.2 33.6

Manual Integrations
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sam

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#86

p-Isopropyltoluene

Concen: 47.986 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

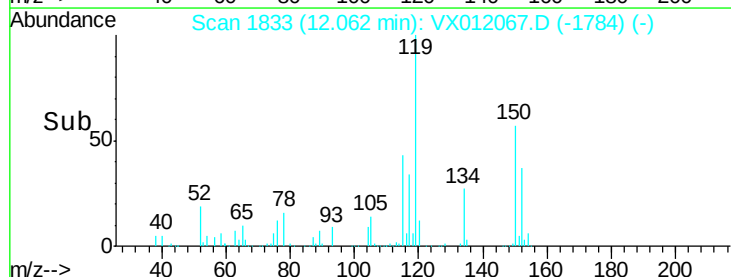
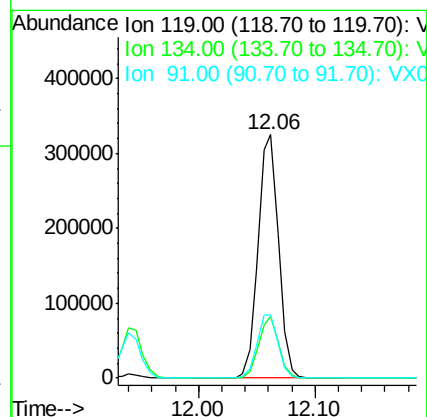
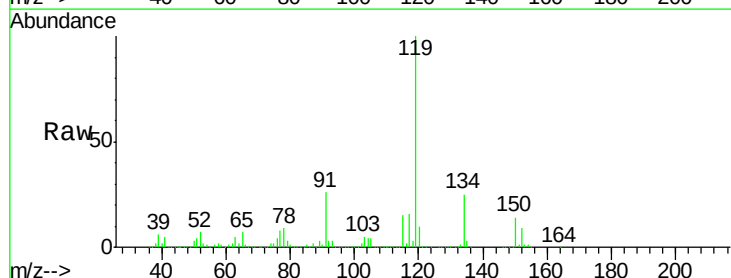
Tgt Ion:119 Resp: 398352

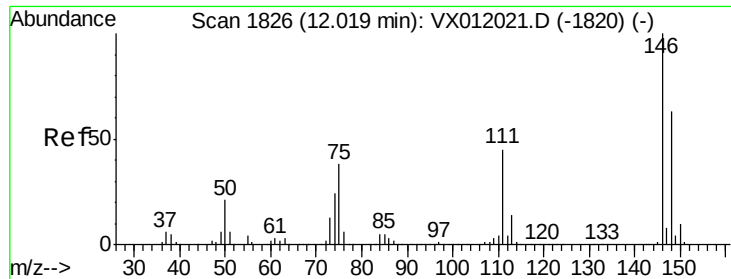
Ion Ratio Lower Upper

119 100

134 24.7 13.7 41.1

91 26.7 11.4 34.1





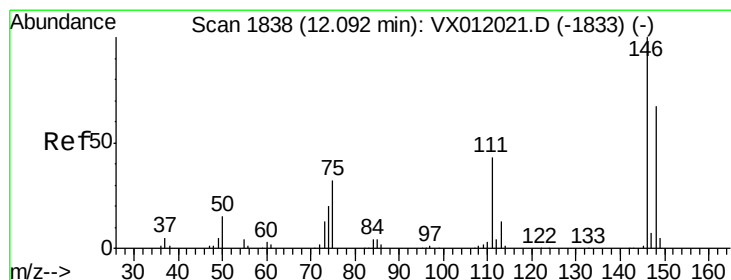
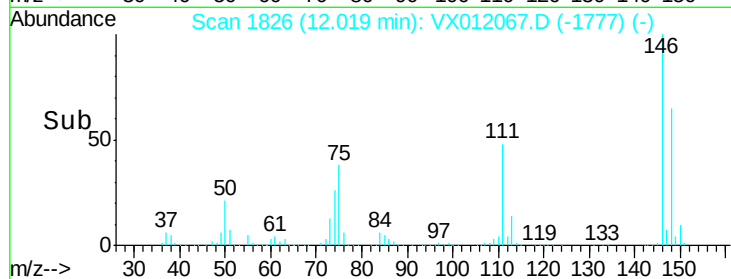
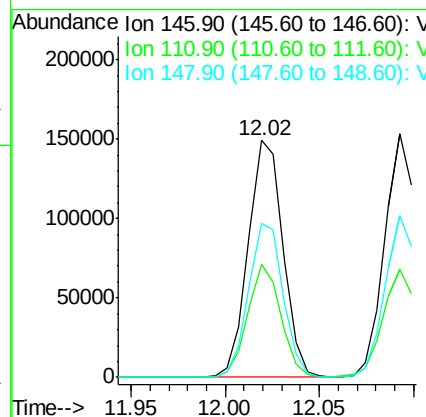
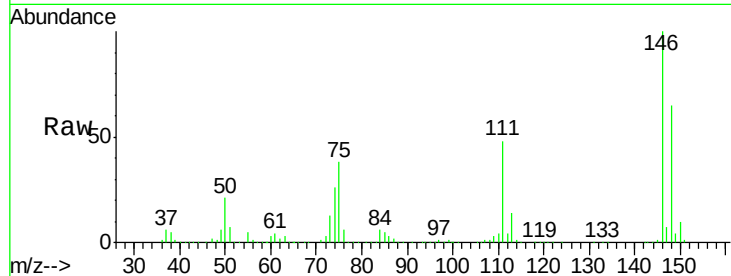
#87
 1,3-Dichlorobenzene
 Concen: 48.488 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	18.1	54.1
148	64.8	32.6	97.8

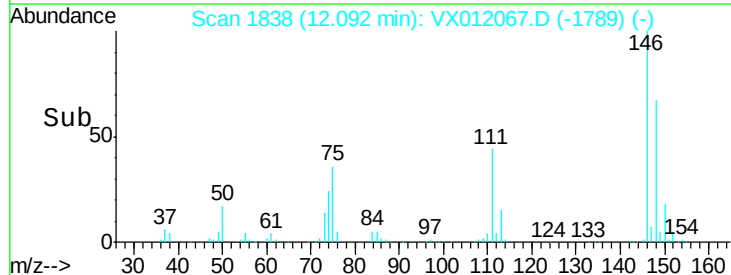
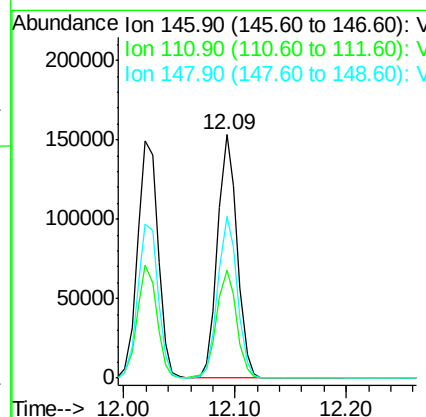
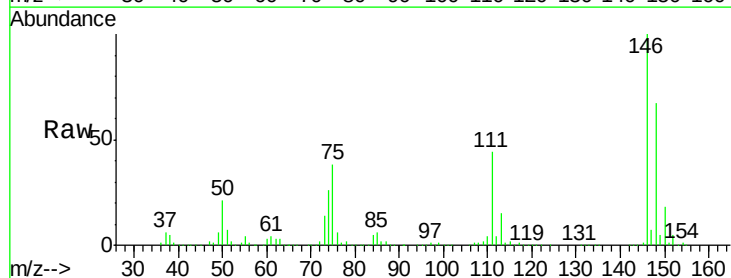
Manual Integrations
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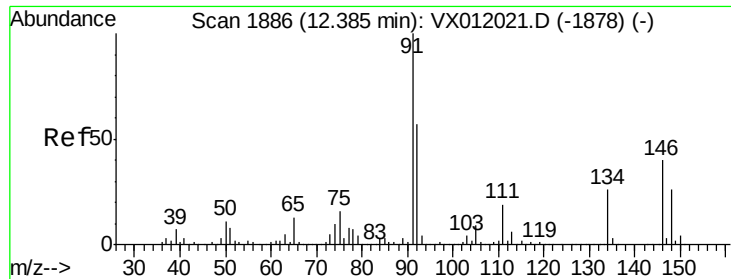
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#88
 1,4-Dichlorobenzene
 Concen: 47.416 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	17.7	53.1
148	66.4	32.4	97.0





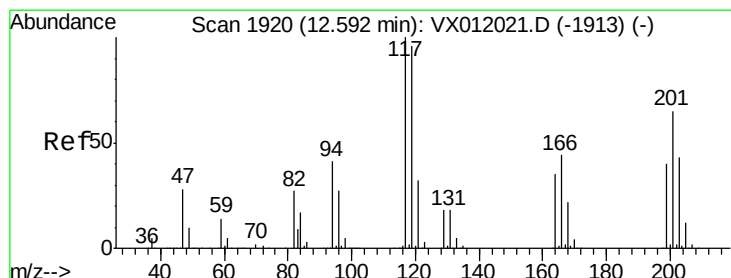
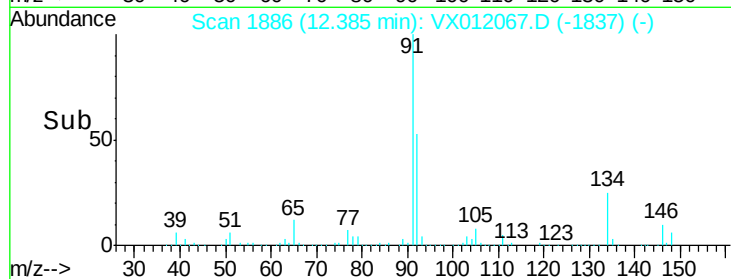
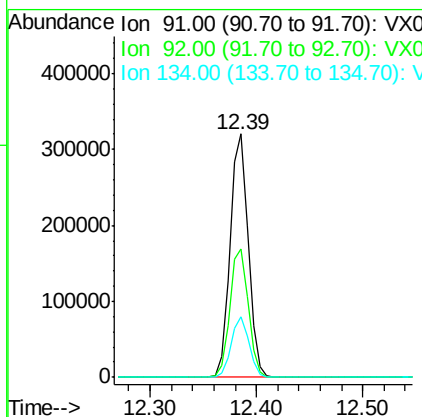
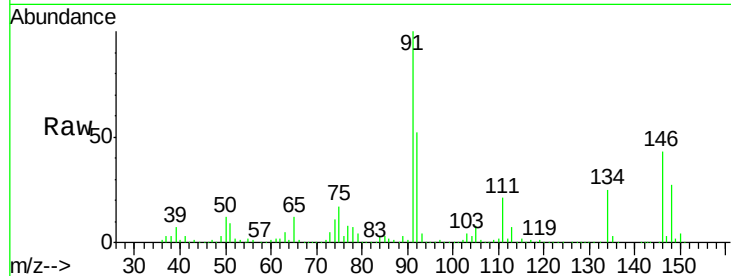
#89
n-Butylbenzene
Concen: 47.564 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	27.6	82.8	
134	24.6	15.4	46.1	

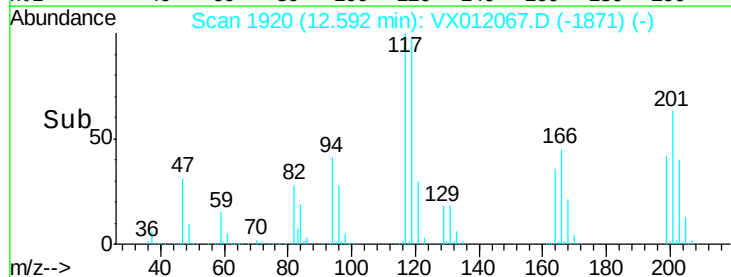
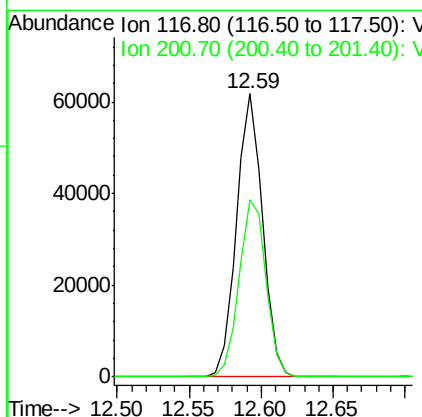
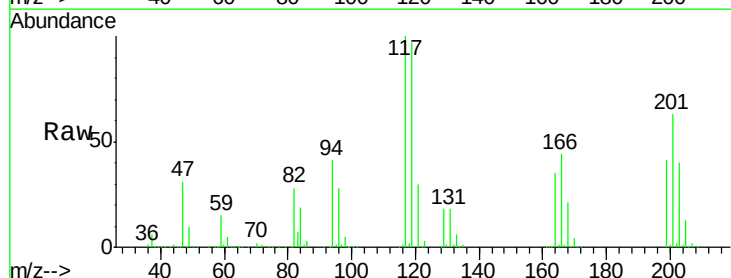
Manual Integrations
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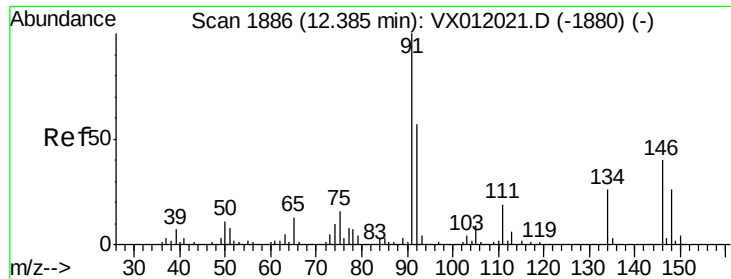
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#90
Hexachloroethane
Concen: 46.973 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012067.D
Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	64.4	55.0	165.2	





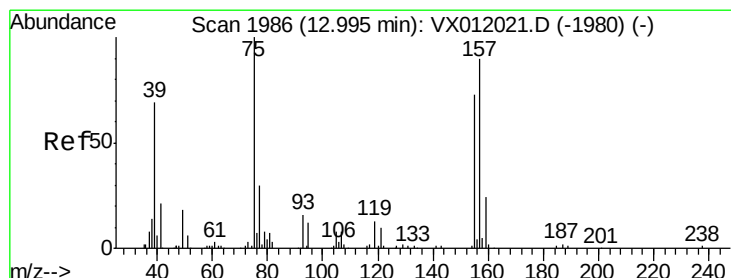
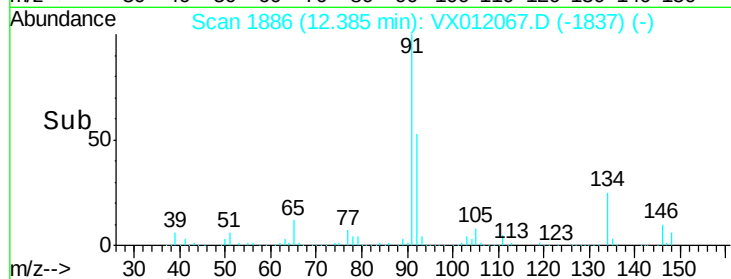
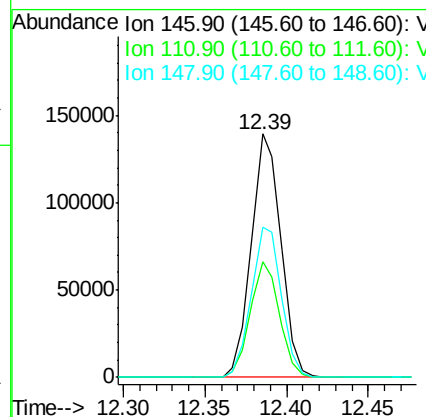
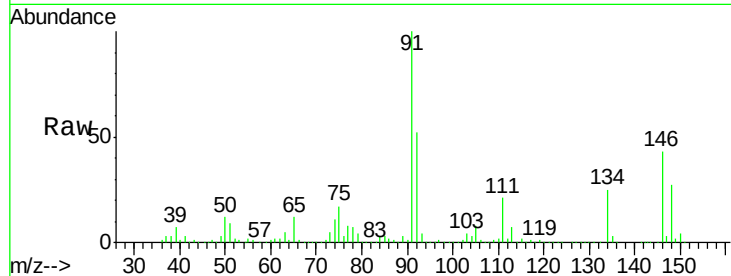
#91
 1,2-Dichlorobenzene
 Concen: 49.730 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176603		
111	47.1	18.6	56.0	
148	63.2	32.4	97.2	

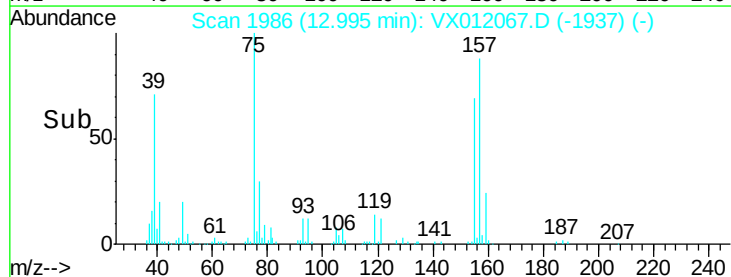
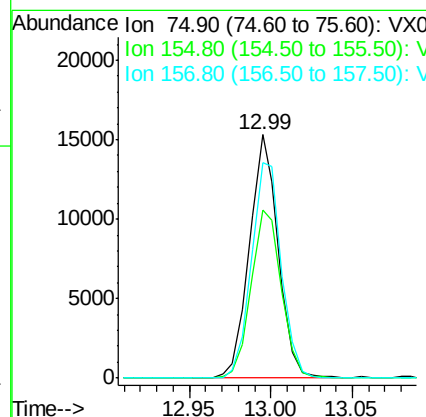
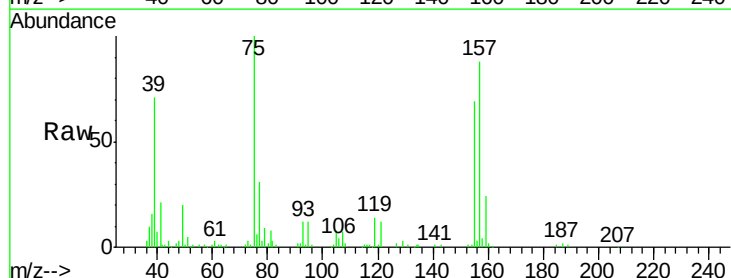
Manual Integrations
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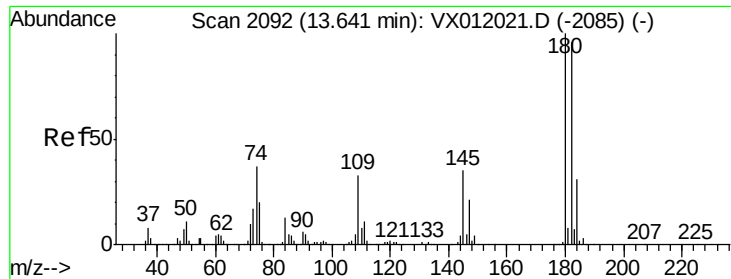
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.130 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18858		
155	72.4	51.7	155.2	
157	91.9	66.9	200.7	





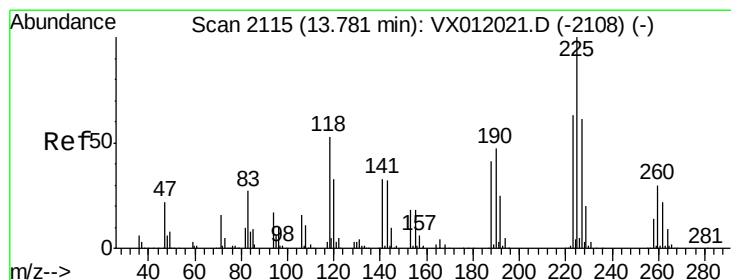
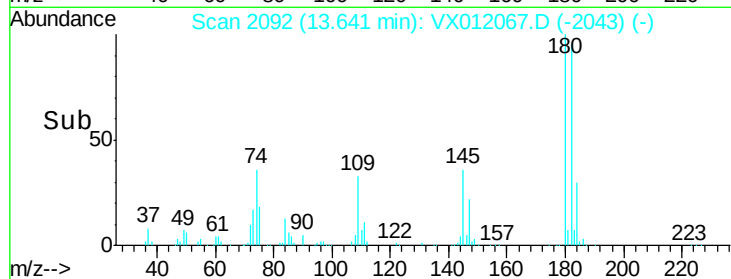
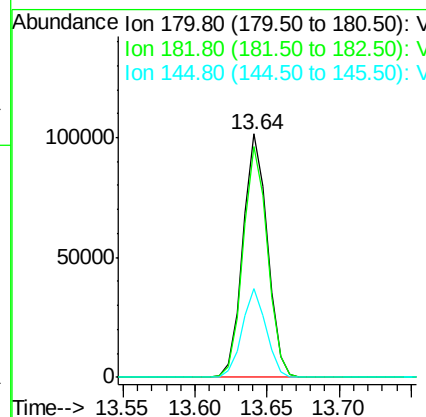
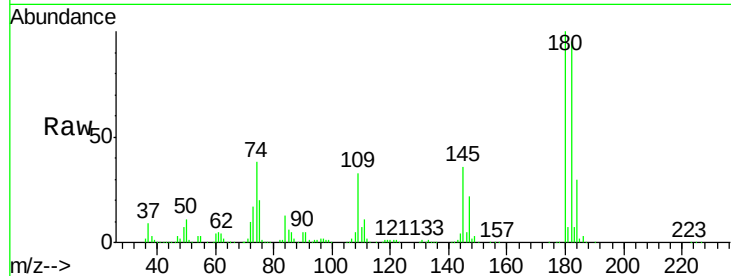
#93
 1,2,4-Trichlorobenzene
 Concen: 47.633 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120398		
182	94.2	47.3	142.0	
145	35.5	13.7	41.0	

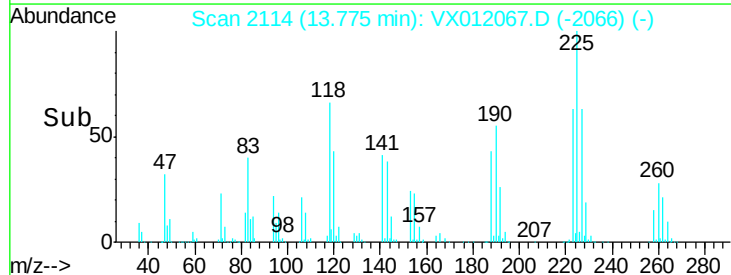
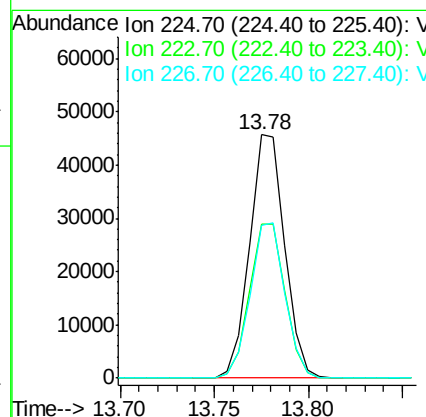
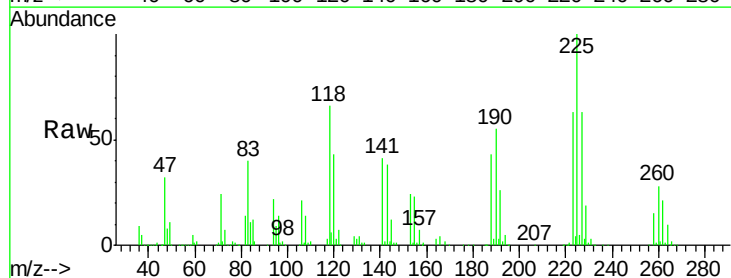
Manual Integrations
 APPROVED

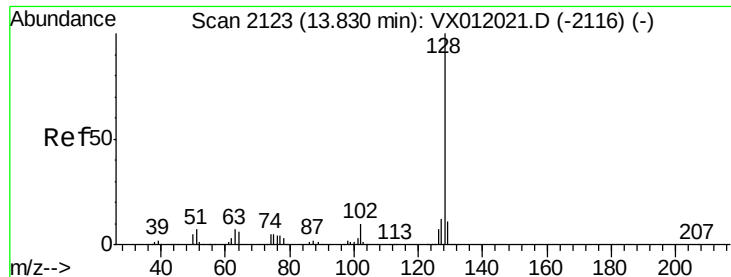
sam
 9/5/2019 2:56:30 PM



#94
 Hexachlorobutadiene
 Concen: 46.265 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012067.D
 Acq: 04 Sep 2019 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58948		
223	64.4	31.6	95.0	
227	63.1	32.5	97.5	





#95

Naphthalene

Concen: 49.876 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Instrument :

MSVOA_X

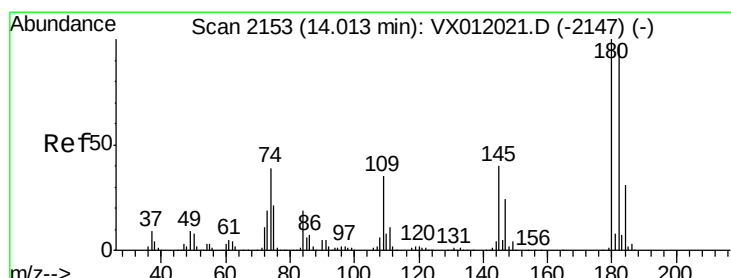
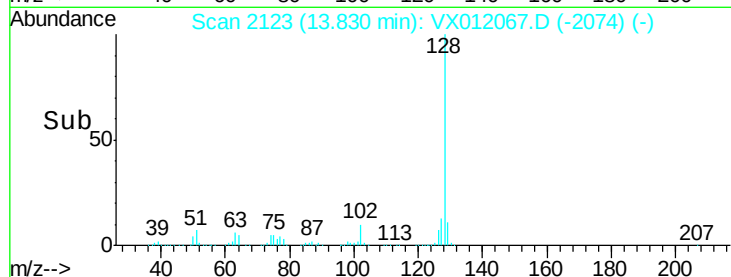
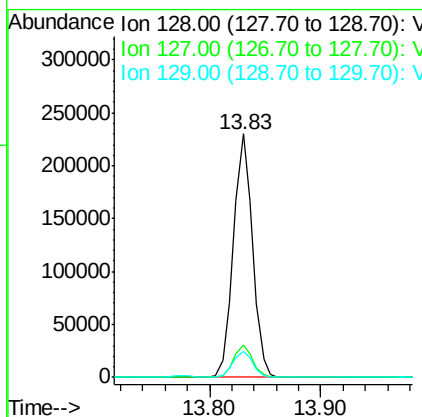
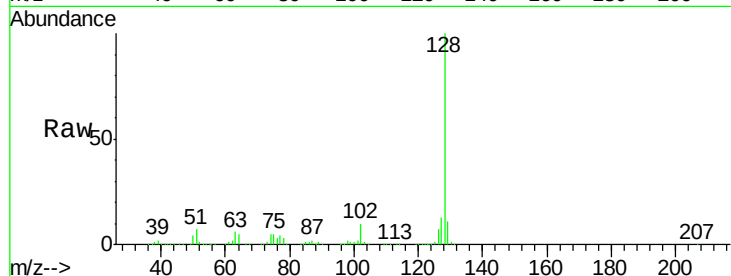
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	272850
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

sam
9/5/2019 2:56:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.293 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012067.D

Acq: 04 Sep 2019 22:43

Tgt Ion:	180	Resp:	107392
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	37.6	14.1	42.4

