

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012027.D
 Acq On : 03 Sep 2019 17:33
 Operator : SY/SP
 Sample : VX0903SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Manual Integrations
 APPROVED

sam
 9/4/2019 4:46:02 PM

Quant Time: Sep 04 04:13:04 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	145078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	268499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	118418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	100015	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	5.48	113	80312	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	8.71	98	302846	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	131404	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	25802	19.286	ug/l	97
3) Chloromethane	1.31	50	25293	18.460	ug/l	99
4) Vinyl Chloride	1.39	62	24149	18.734	ug/l	95
5) Bromomethane	1.62	94	12466	19.494	ug/l	98
6) Chloroethane	1.70	64	15337	19.139	ug/l	99
7) Trichlorofluoromethane	1.91	101	38375	19.167	ug/l	100
8) Diethyl Ether	2.17	74	15034	21.729	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28919	19.501	ug/l #	84
10) Methyl Iodide	2.50	142	18351	17.502	ug/l	94
11) Tert butyl alcohol	3.03	59	20125	104.669	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	27184	19.029	ug/l	91
13) Acrolein	2.28	56	8585	168.036	ug/l	93
14) Allyl chloride	2.71	41	51514	19.929	ug/l	99
15) Acrylonitrile	3.12	53	45434	104.499	ug/l	98
16) Acetone	2.43	43	45534	95.166	ug/l	99
17) Carbon Disulfide	2.55	76	69678	16.689	ug/l	100
18) Methyl Acetate	2.76	43	23337	20.704	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	97591	20.983	ug/l	99
20) Methylene Chloride	2.84	84	36612	19.055	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	32084	19.139	ug/l	92
22) Diisopropyl ether	3.84	45	110240	20.923	ug/l	97
23) Vinyl Acetate	3.80	43	353679	103.769	ug/l	98
24) 1,1-Dichloroethane	3.68	63	61387	20.089	ug/l	97
25) 2-Butanone	4.65	43	62453	102.540	ug/l	96
26) 2,2-Dichloropropane	4.57	77	55150	19.548	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	39660	20.182	ug/l	93
28) Bromochloromethane	5.00	49	25741	21.103	ug/l #	80
29) Tetrahydrofuran	5.11	42	38015	103.595	ug/l	98
30) Chloroform	5.20	83	67263	20.514	ug/l	95
31) Cyclohexane	5.56	56	46413	18.912	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	56991	19.957	ug/l	97
36) 1,1-Dichloropropene	5.78	75	43695	18.477	ug/l	94
37) Ethyl Acetate	4.82	43	26691	20.756	ug/l	97
38) Carbon Tetrachloride	5.77	117	47101	18.902	ug/l	99

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Manual Integrations
 APPROVED

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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	51044	18.598	ug/l	96
40) Benzene	6.13	78	133823	19.712	ug/l	97
41) Methacrylonitrile	5.03	41	16320	21.281	ug/l	96
42) 1,2-Dichloroethane	6.18	62	49673	20.332	ug/l	99
43) Isopropyl Acetate	6.43	43	54014	20.657	ug/l	98
44) Trichloroethene	7.20	130	35253	19.252	ug/l	81
45) 1,2-Dichloropropane	7.51	63	35310	20.131	ug/l	98
46) Dibromomethane	7.65	93	20791	20.305	ug/l #	73
47) Bromodichloromethane	7.89	83	53167	20.428	ug/l	97
48) Methyl methacrylate	7.76	41	26687	20.298	ug/l	97
49) 1,4-Dioxane	7.73	88	7587	423.320	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	138156	103.879	ug/l	99
52) Toluene	8.78	92	86468	19.575	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	53925	20.013	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59791	19.954	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	30864	21.084	ug/l	98
56) Ethyl methacrylate	9.17	69	43168	20.587	ug/l	98
57) 1,3-Dichloropropane	9.37	76	52352	20.725	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	102041	107.943	ug/l	95
59) 2-Hexanone	9.49	43	100082	103.129	ug/l	99
60) Dibromochloromethane	9.57	129	35356	20.265	ug/l	98
61) 1,2-Dibromoethane	9.67	107	28710	20.297	ug/l	97
64) Tetrachloroethene	9.33	164	29318	18.989	ug/l #	83
65) Chlorobenzene	10.14	112	96272	19.702	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	36574	20.471	ug/l	97
67) Ethyl Benzene	10.25	91	174231	19.562	ug/l	96
68) m/p-Xylenes	10.35	106	127442	38.835	ug/l	91
69) o-Xylene	10.70	106	62028	19.493	ug/l	89
70) Styrene	10.71	104	108997	19.720	ug/l	95
71) Bromoform	10.85	173	19215	19.581	ug/l #	99
73) Isopropylbenzene	11.01	105	169749	19.537	ug/l	96
74) N-amyl acetate	10.89	43	52617	20.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	37271	20.577	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	32160m	22.227	ug/l	
77) Bromobenzene	11.25	156	38752	19.942	ug/l	69
78) n-propylbenzene	11.35	91	201453	19.192	ug/l	94
79) 2-Chlorotoluene	11.42	91	123631	19.441	ug/l	89
80) 1,3,5-Trimethylbenzene	11.50	105	148038	19.443	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	11980	19.575	ug/l	96
82) 4-Chlorotoluene	11.51	91	148139	19.545	ug/l	91
83) tert-Butylbenzene	11.77	119	142395	19.621	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	152524	19.490	ug/l	94
85) sec-Butylbenzene	11.94	105	176170	19.544	ug/l	93
86) p-Isopropyltoluene	12.06	119	158999	19.396	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	77897	20.005	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	76755	19.714	ug/l	93
89) n-Butylbenzene	12.39	91	156666	19.674	ug/l	96
90) Hexachloroethane	12.59	117	32291	19.728	ug/l	57
91) 1,2-Dichlorobenzene	12.39	146	71704	20.447	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7453	19.663	ug/l	68

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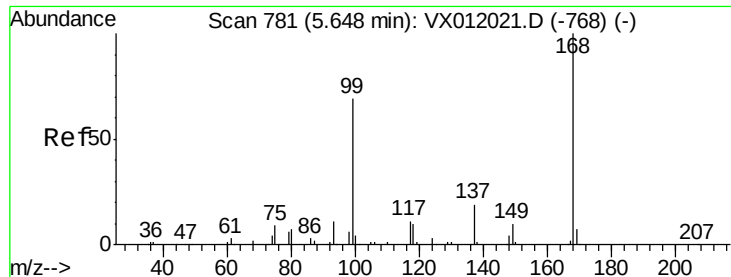
Manual Integrations
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9/4/2019 4:46:02 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48690	19.507	µg/l	96
94) Hexachlorobutadiene	13.78	225	25008	19.876	µg/l	98
95) Naphthalene	13.83	128	109105	20.197	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	43326	19.730	µg/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion:168 Resp: 145078

Ion Ratio Lower Upper

168 100

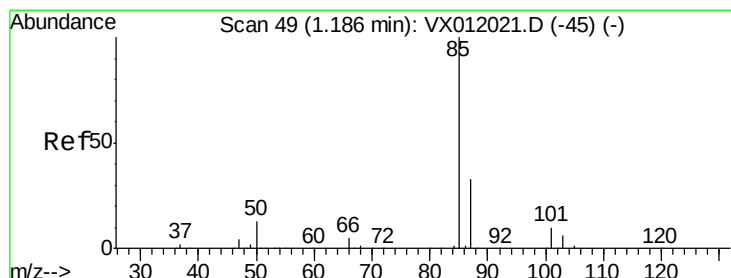
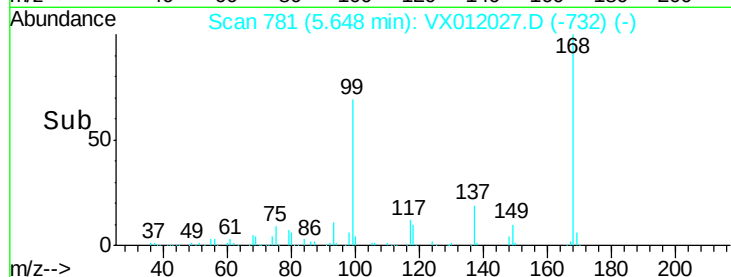
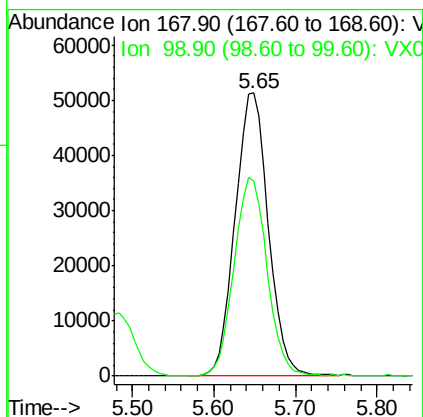
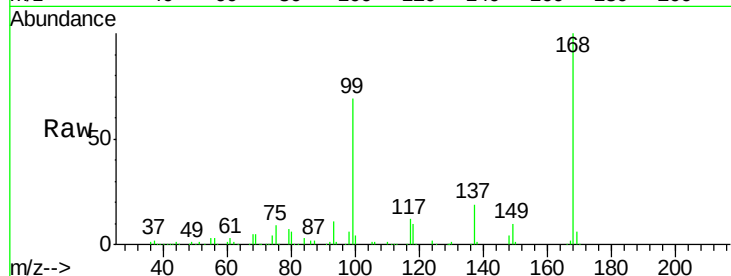
99 68.8 37.6 56.4#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.286 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012027.D

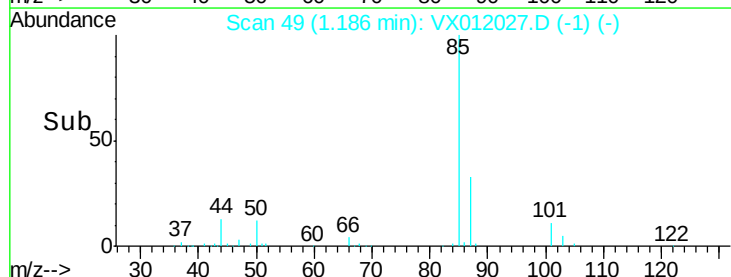
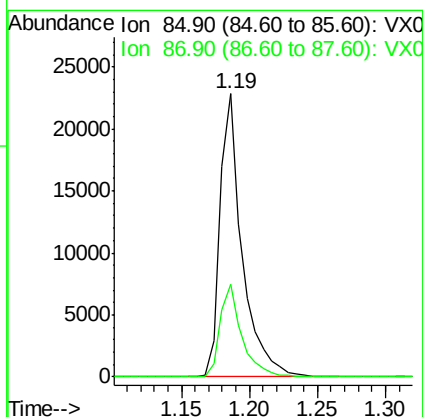
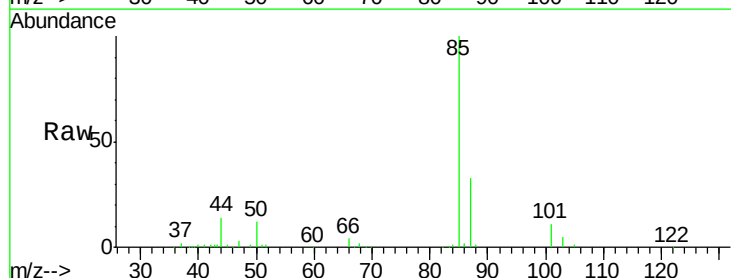
Acq: 03 Sep 2019 17:33

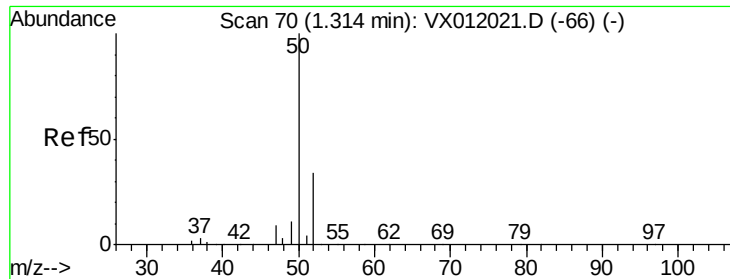
Tgt Ion: 85 Resp: 25802

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.8





#3

Chloromethane

Concen: 18.460 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBSD01

Tot Ion: 50 Resp: 25293

Ion Ratio Lower Upper

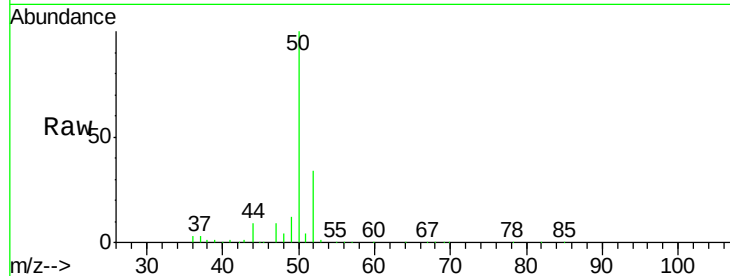
50 100

52 33.8 26.5 39.7

Manual Integrations
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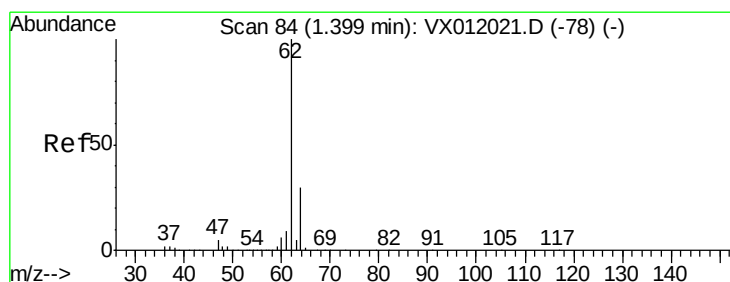
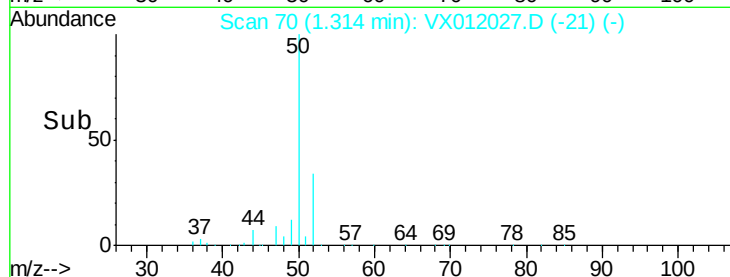
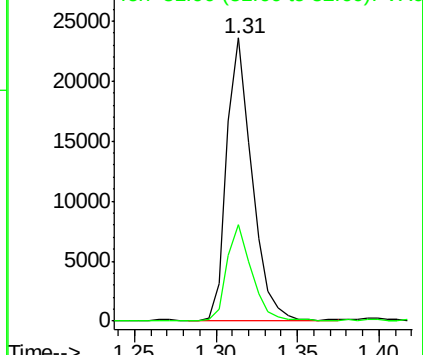
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.734 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012027.D

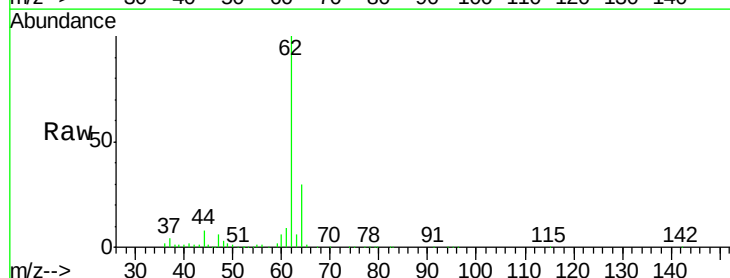
Acq: 03 Sep 2019 17:33

Tgt Ion: 62 Resp: 24149

Ion Ratio Lower Upper

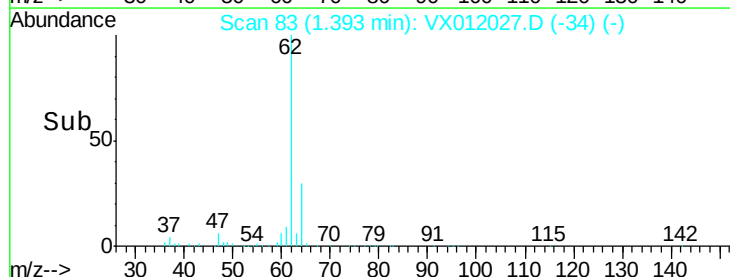
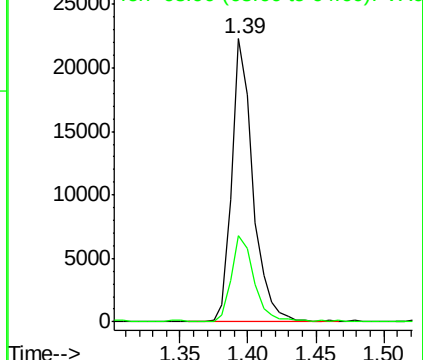
62 100

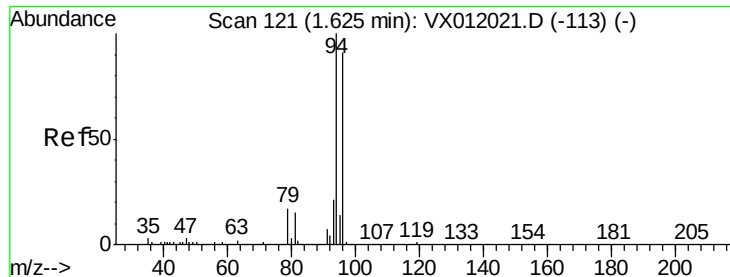
64 30.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.494 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 94 Resp: 12466

Ion Ratio Lower Upper

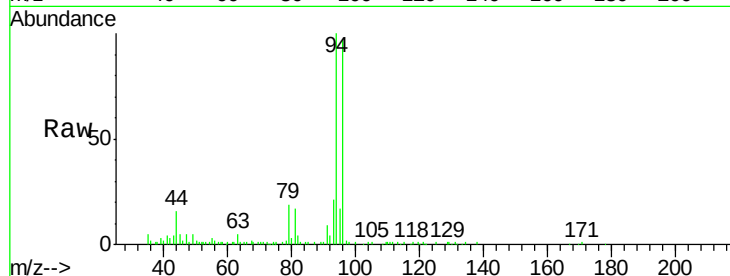
94 100

96 96.9 76.3 114.5

Manual Integrations
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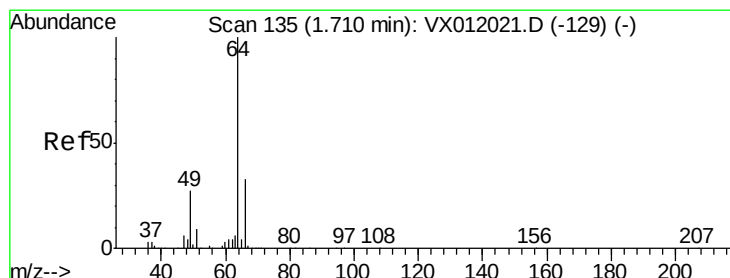
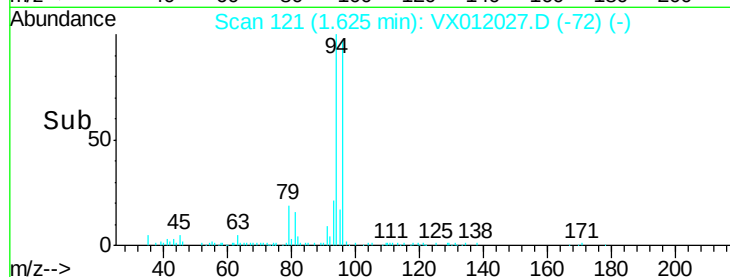
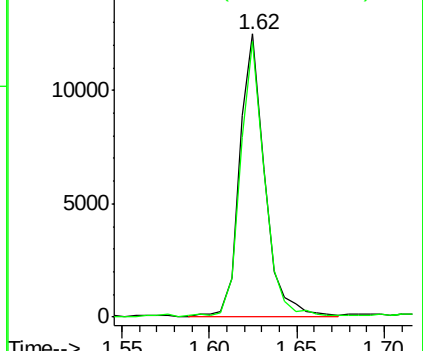
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.139 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012027.D

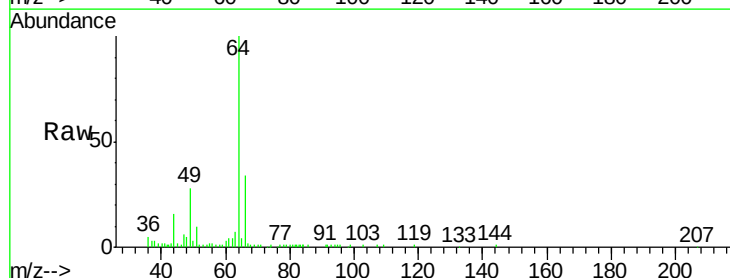
Acq: 03 Sep 2019 17:33

Tgt Ion: 64 Resp: 15337

Ion Ratio Lower Upper

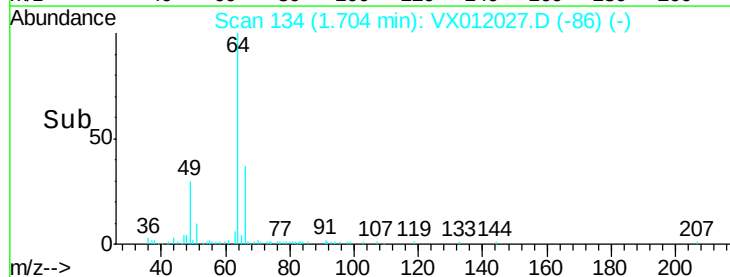
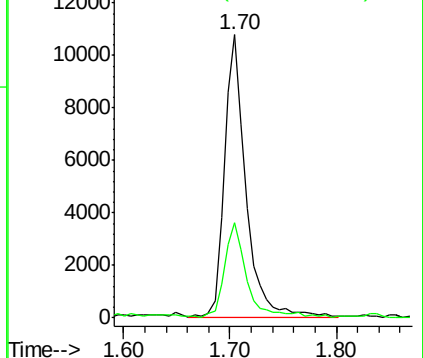
64 100

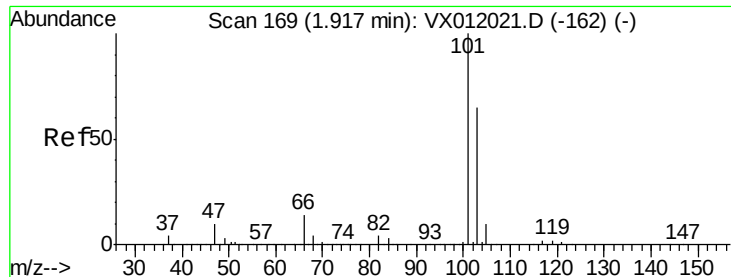
66 33.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

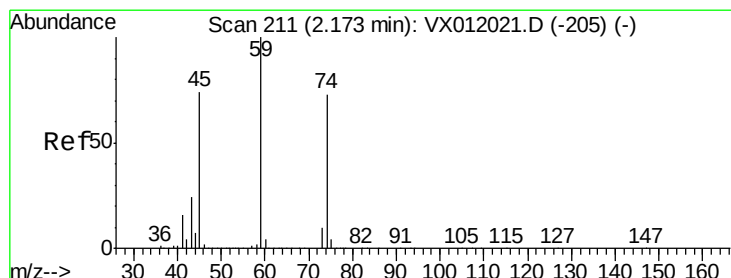
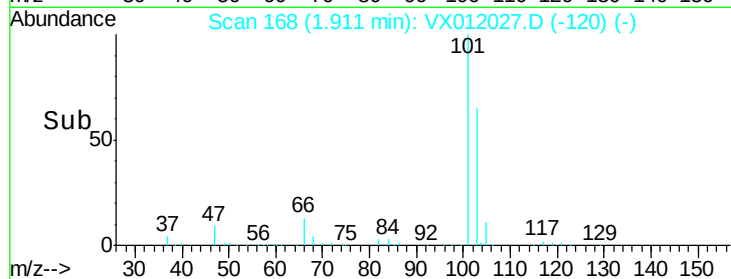
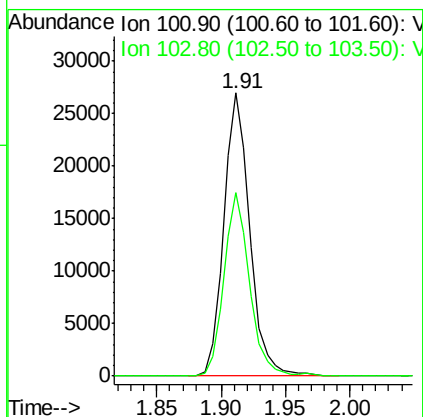
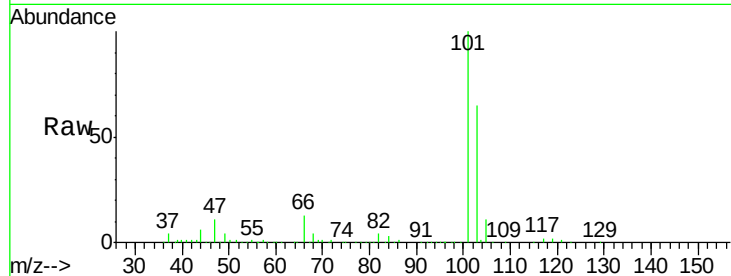
Trichlorofluoromethane
Concen: 19.167 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion:101 Resp: 38375
Ion Ratio Lower Upper
101 100
103 64.7 51.6 77.4

Manual Integrations
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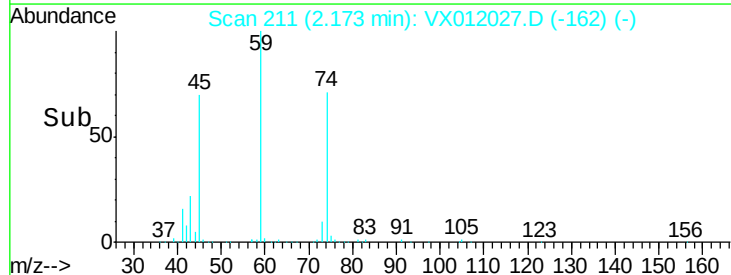
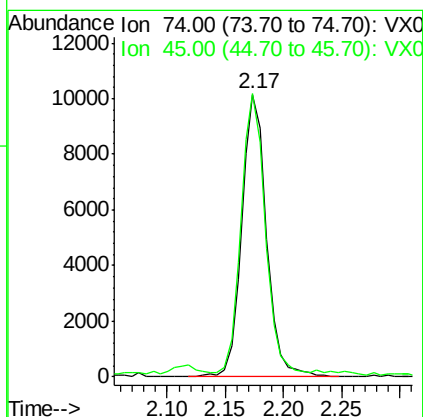
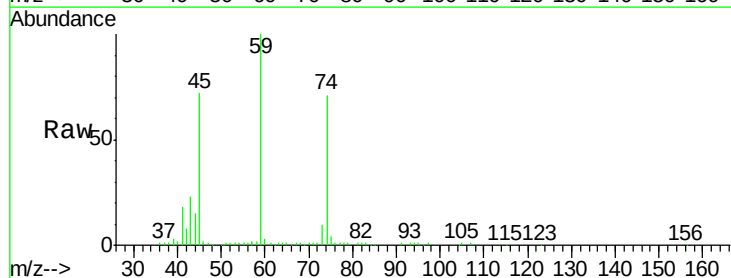
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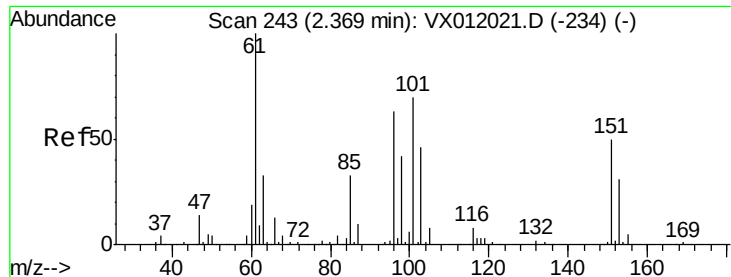


#8

Diethyl Ether
Concen: 21.729 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion: 74 Resp: 15034
Ion Ratio Lower Upper
74 100
45 96.3 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.501 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

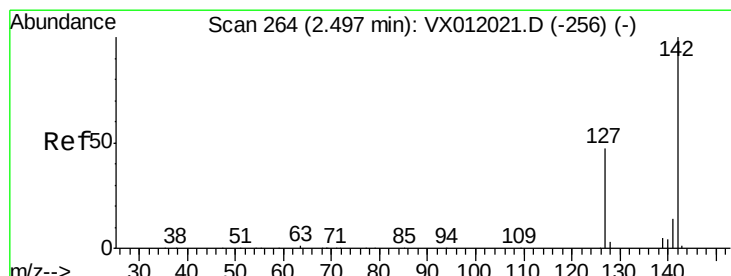
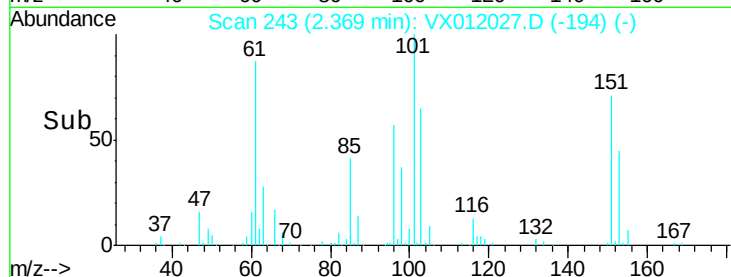
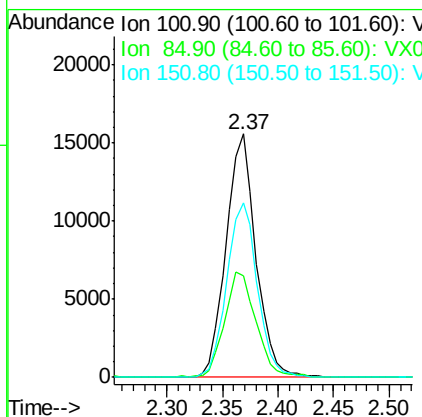
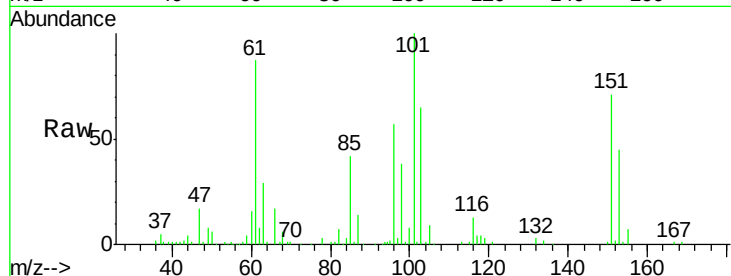
ClientSampleId :

VX0903SBS01

Tot Ion:	101	Resp:	28919
Ion Ratio	Lower	Upper	
101	100		
85	45.8	34.5	51.7
151	73.5	75.0	112.4#

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 17.502 ug/l

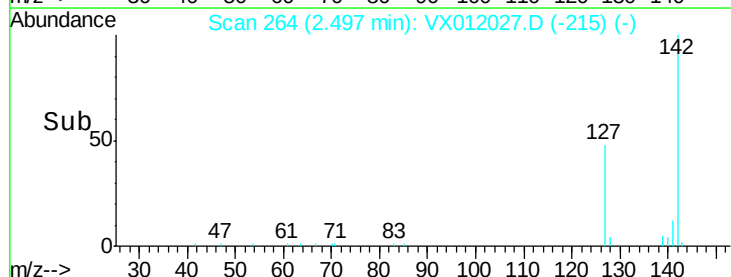
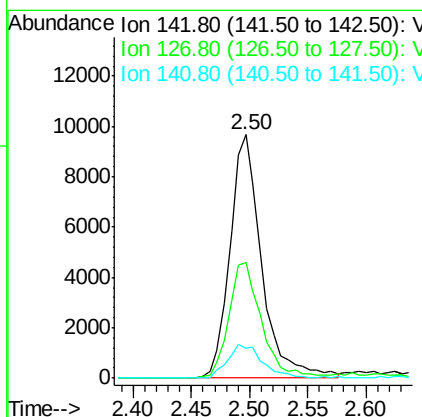
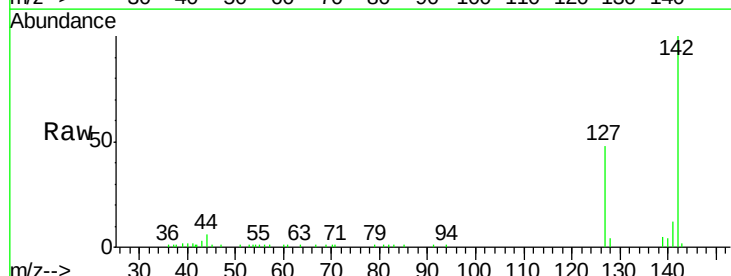
RT: 2.50 min Scan# 264

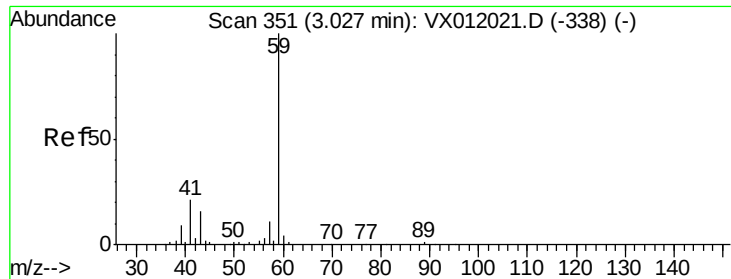
Delta R.T. 0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	142	Resp:	18351
Ion Ratio	Lower	Upper	
142	100		
127	48.7	35.4	53.2
141	14.9	11.4	17.2





#11

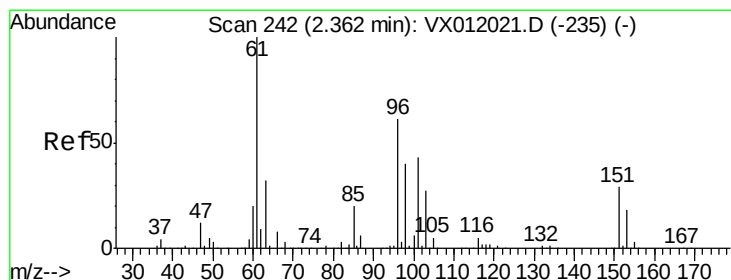
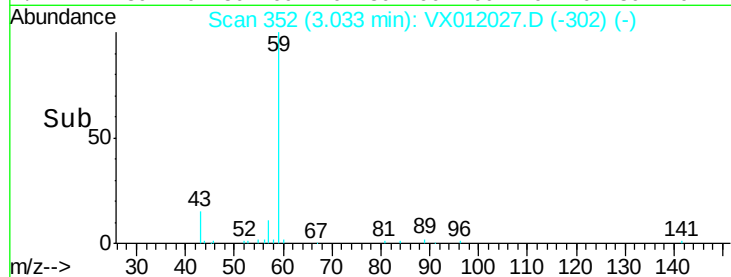
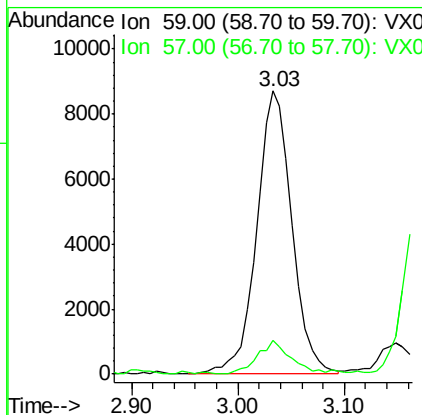
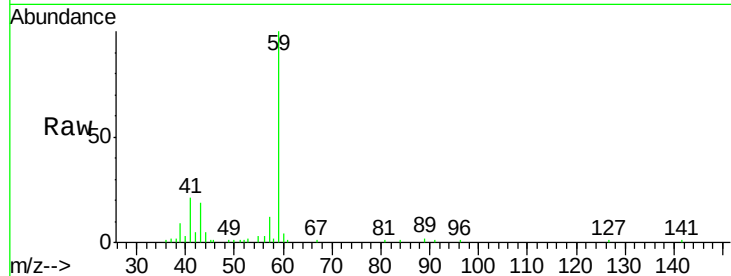
Tert butyl alcohol
Concen: 104.669 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	7.9	11.9#

Manual Integrations
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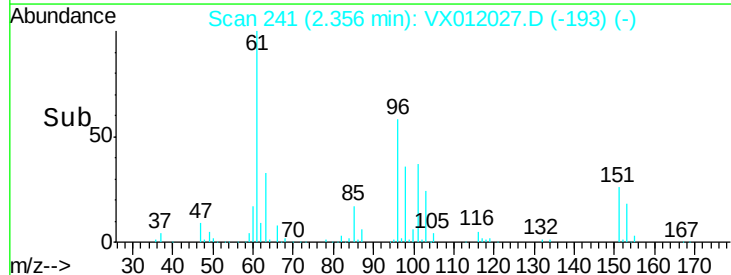
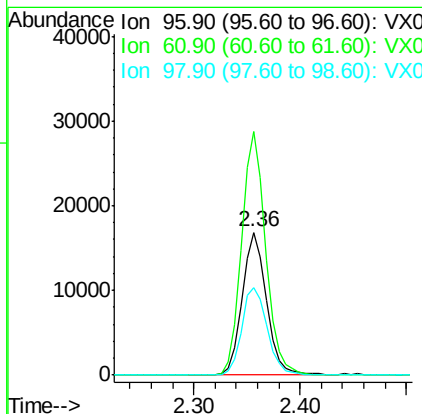
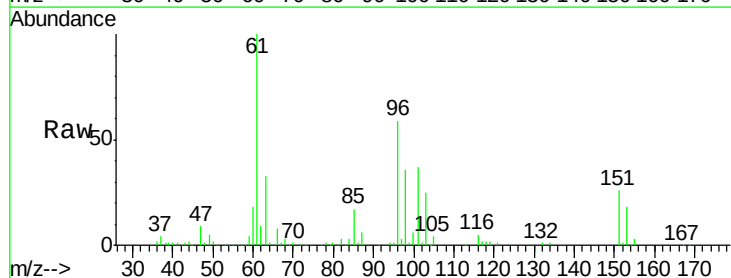
sam
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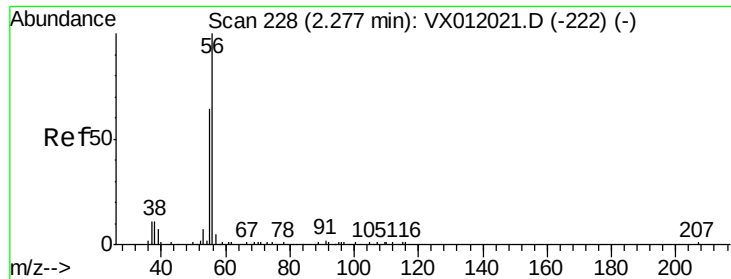


#12

1,1-Dichloroethene
Concen: 19.029 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.4	124.1	186.1
98	61.6	50.2	75.2





#13

Acrolein

Concen: 168.036 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 56 Resp: 8585

Ion Ratio Lower Upper

56 100

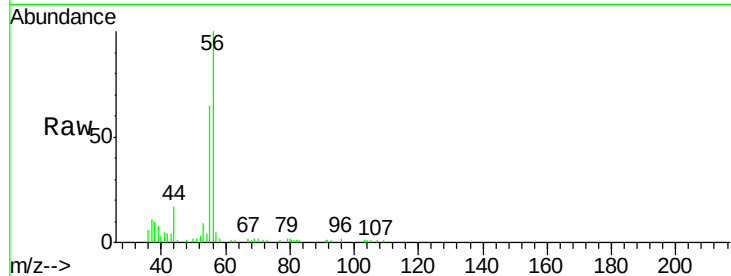
55 68.2 59.2 88.8

Manual Integrations

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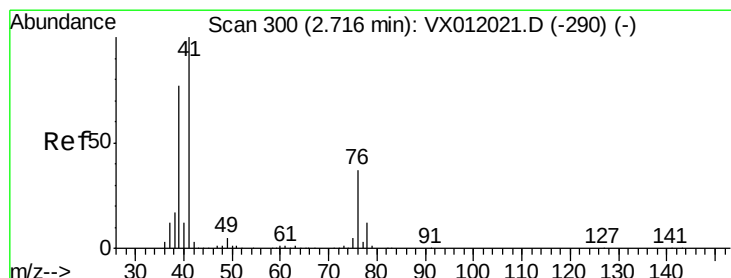
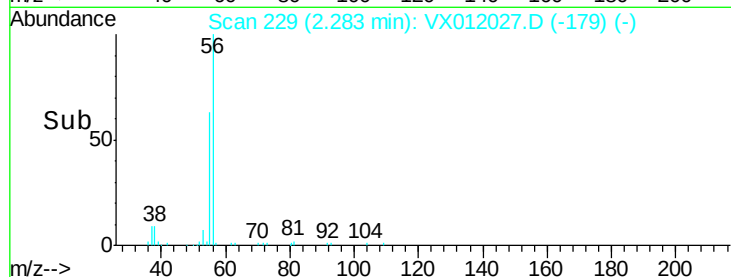
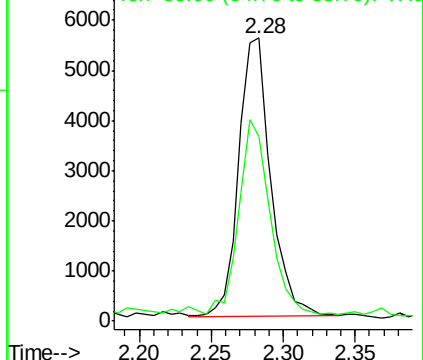
sam

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.929 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

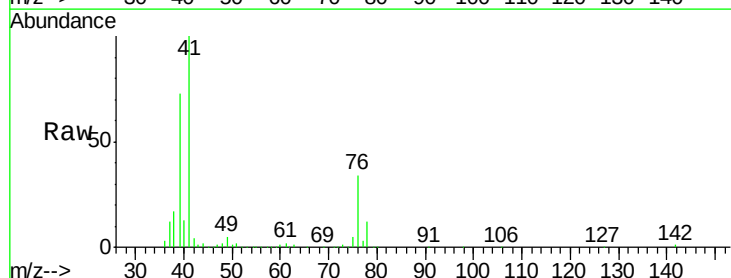
Tgt Ion: 41 Resp: 51514

Ion Ratio Lower Upper

41 100

39 72.8 57.9 86.9

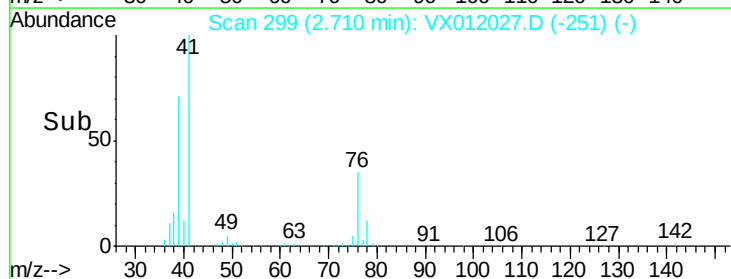
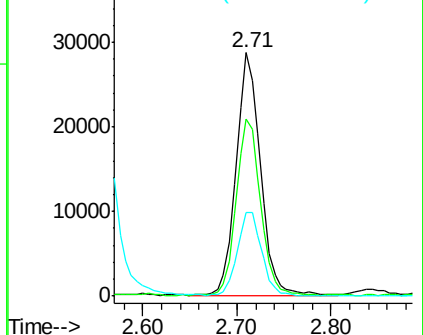
76 34.8 28.5 42.7

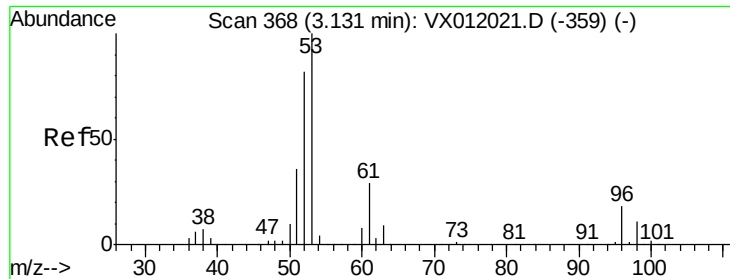


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.499 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

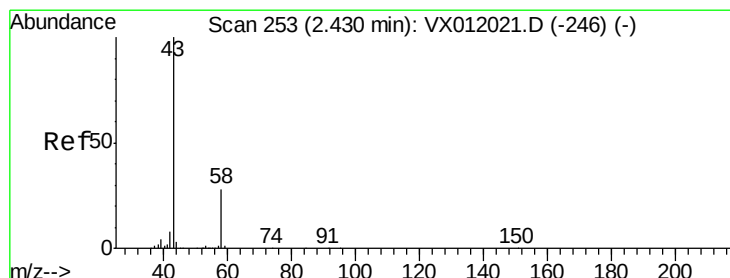
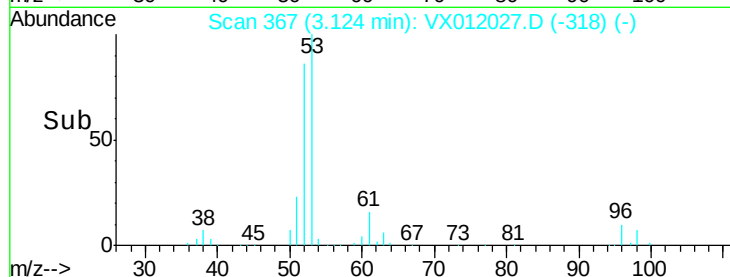
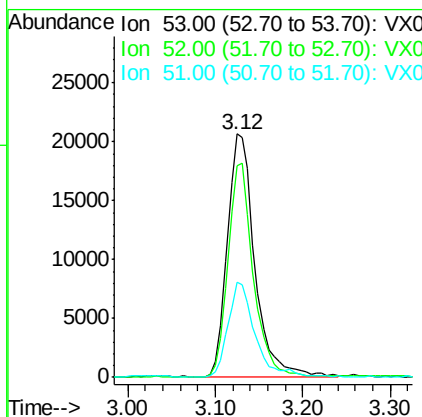
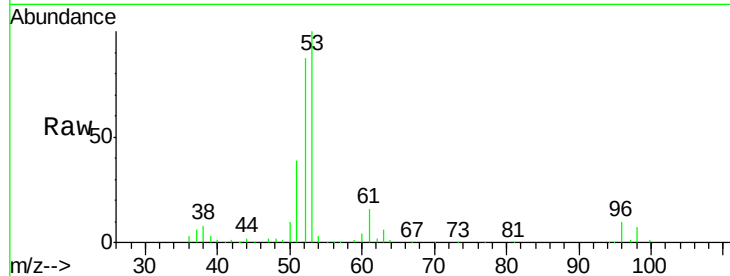
ClientSampleId :

VX0903SBS01

Tot Ion:	53	Resp:	45434
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.6	98.4
51	39.1	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 95.166 ug/l

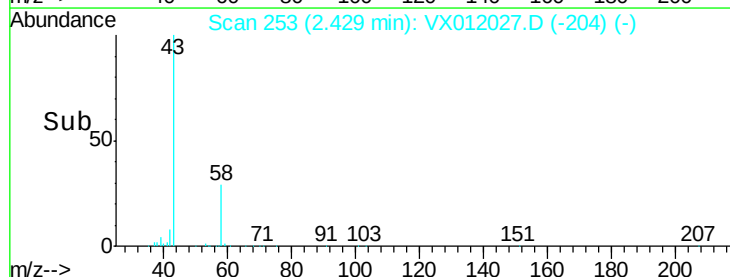
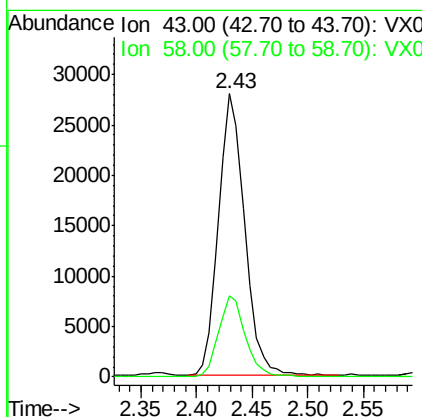
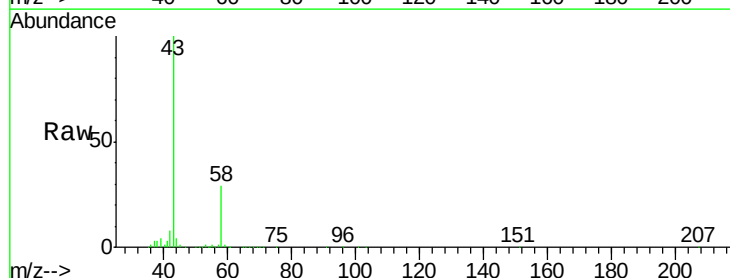
RT: 2.43 min Scan# 253

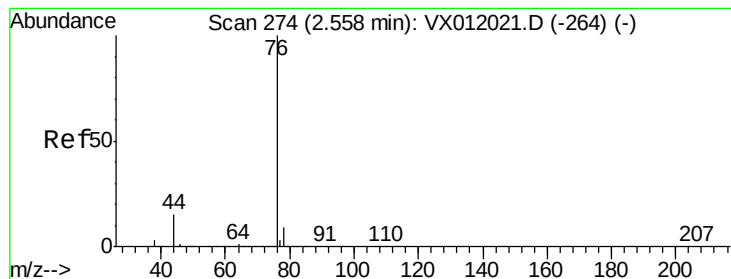
Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	43	Resp:	45534
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.8	34.2





#17

Carbon Disulfide

Concen: 16.689 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 76 Resp: 69678

Ion Ratio Lower Upper

76 100

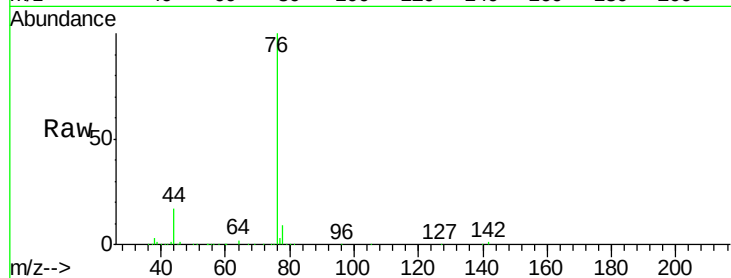
78 9.3 7.4 11.2

Manual Integrations

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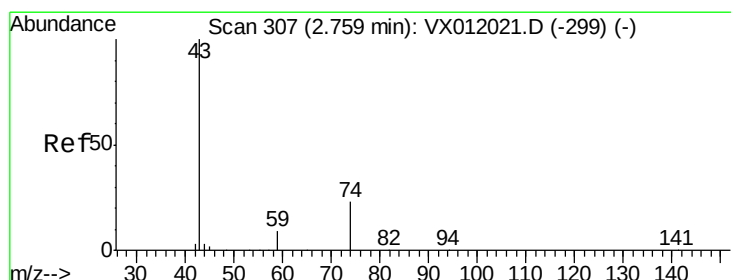
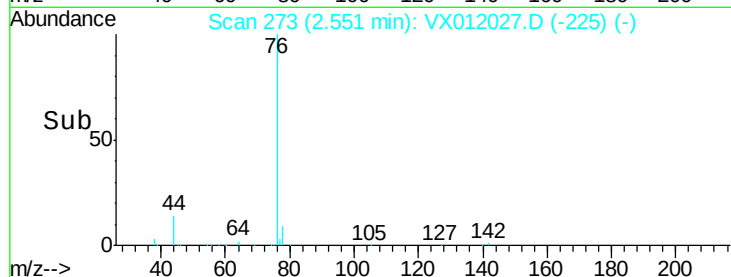
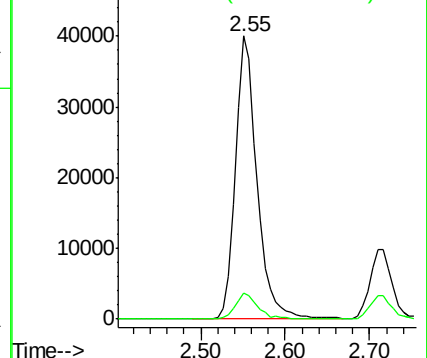
sam

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 20.704 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012027.D

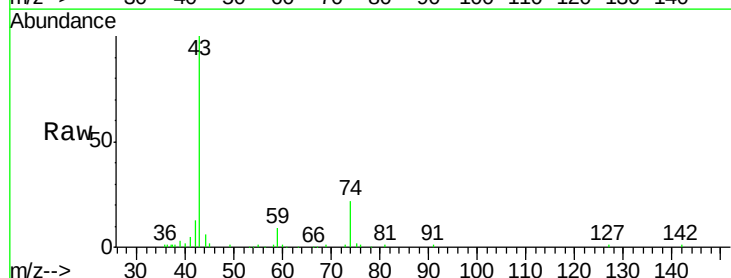
Acq: 03 Sep 2019 17:33

Tgt Ion: 43 Resp: 23337

Ion Ratio Lower Upper

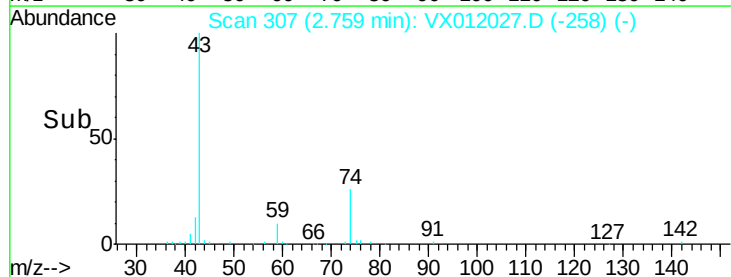
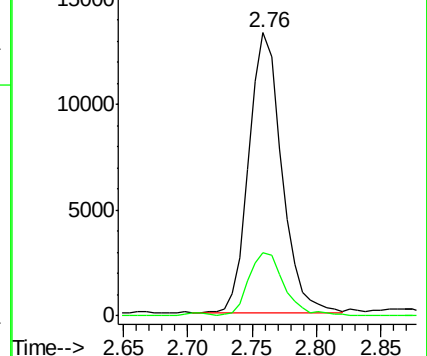
43 100

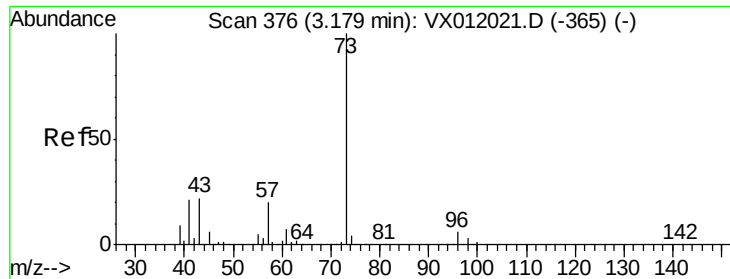
74 24.6 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





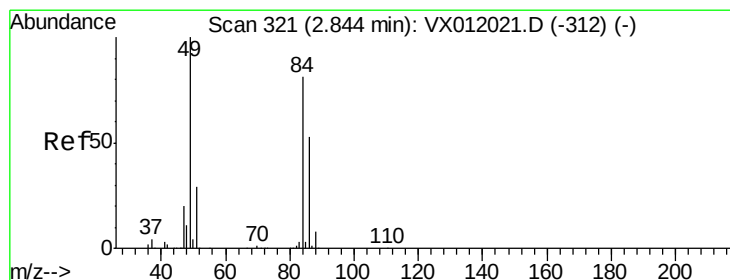
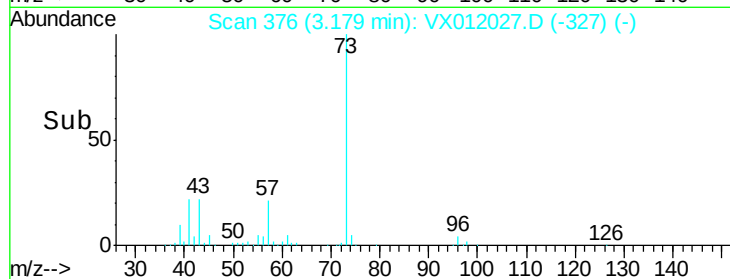
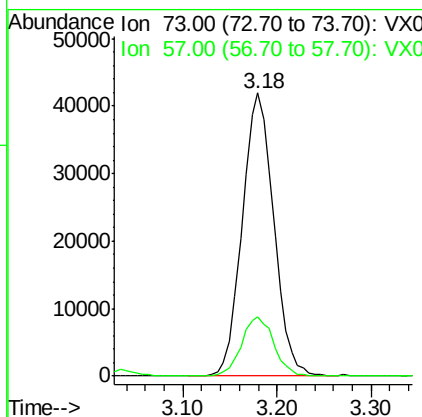
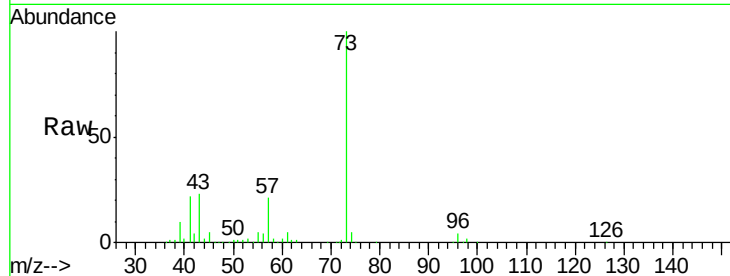
#19
Methyl tert-butyl Ether
Concen: 20.983 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	73	Resp	97591
Ion Ratio	Lower	Upper	
73	100		
57	21.1	16.6	25.0

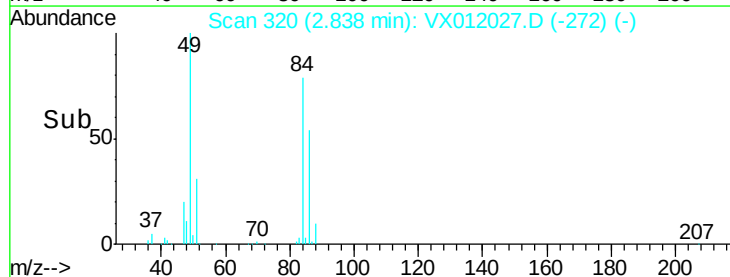
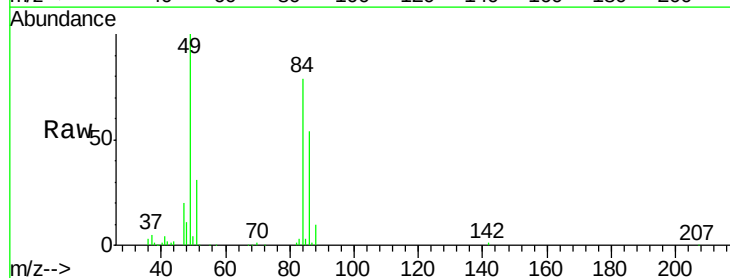
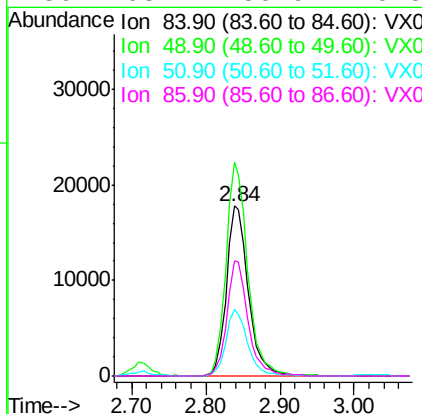
Manual Integrations
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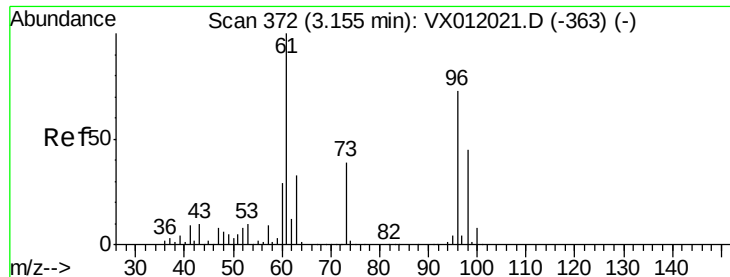
sam
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#20
Methylene Chloride
Concen: 19.055 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	84	Resp	36612
Ion Ratio	Lower	Upper	
84	100		
49	125.8	95.8	143.8
51	39.5	28.6	43.0
86	68.2	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 19.139 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 96 Resp: 32084

Ion Ratio Lower Upper

96 100

61 146.8 107.0 160.6

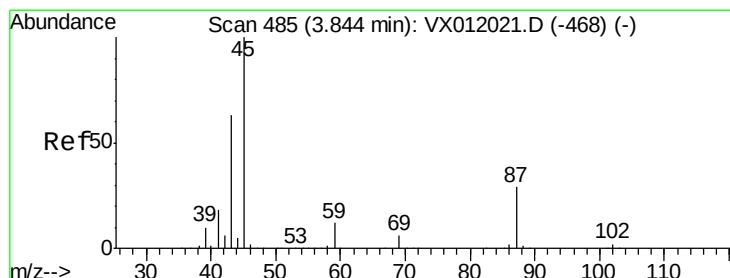
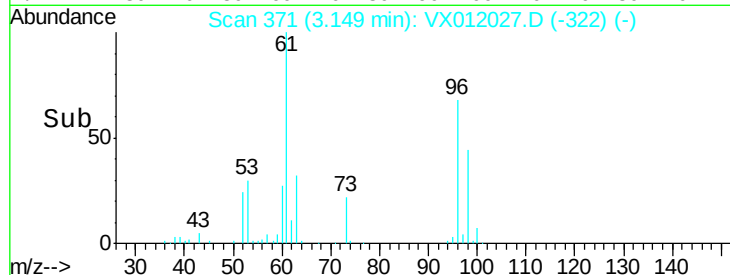
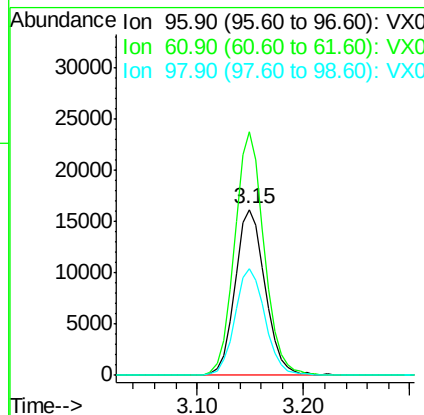
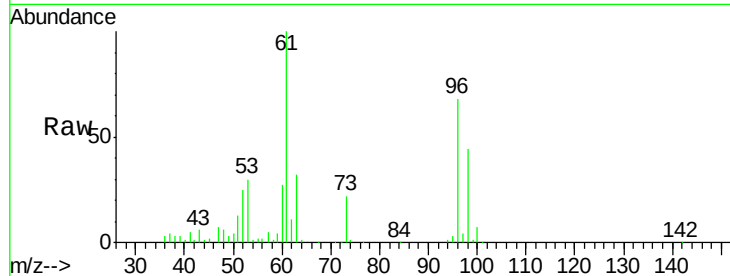
98 64.5 49.8 74.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.923 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion: 45 Resp: 110240

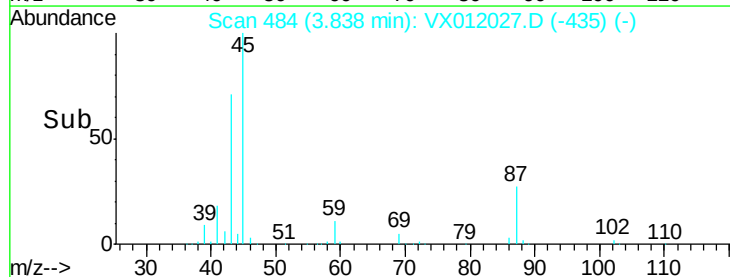
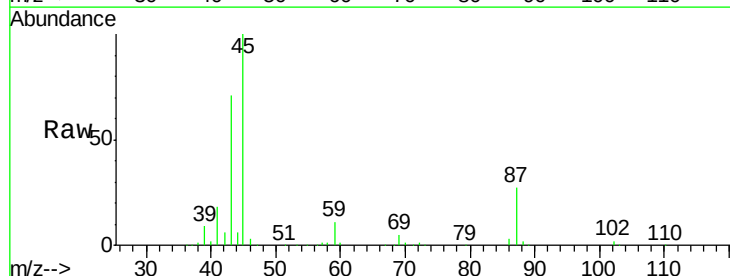
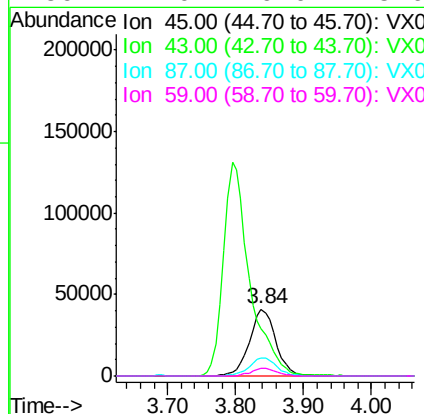
Ion Ratio Lower Upper

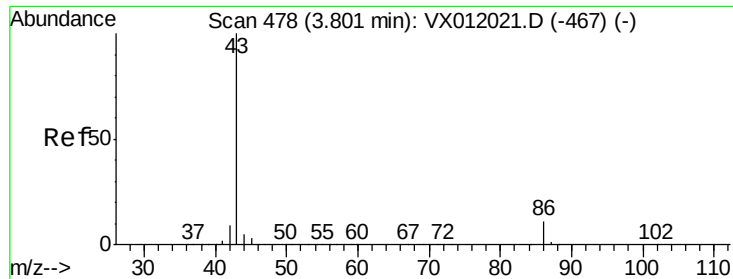
45 100

43 70.6 54.2 81.4

87 27.4 23.4 35.0

59 11.0 9.0 13.6





#23

Vinyl Acetate

Concen: 103.769 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 43 Resp: 353679

Ion Ratio Lower Upper

43 100

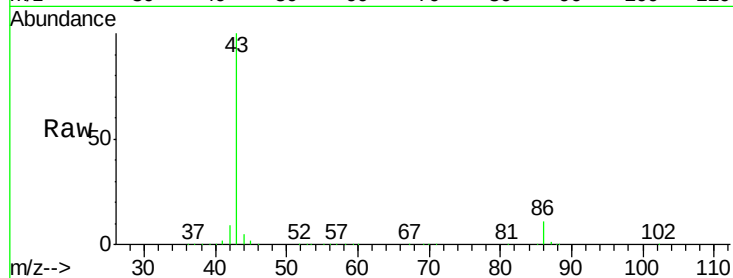
86 10.7 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

150000

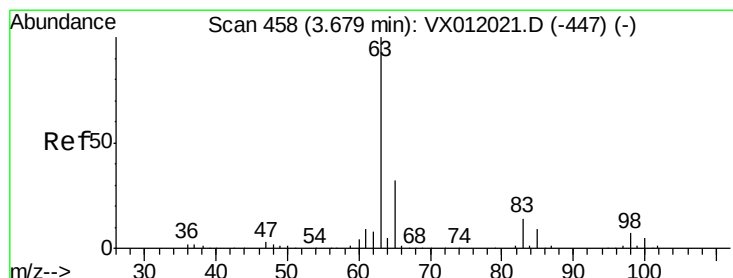
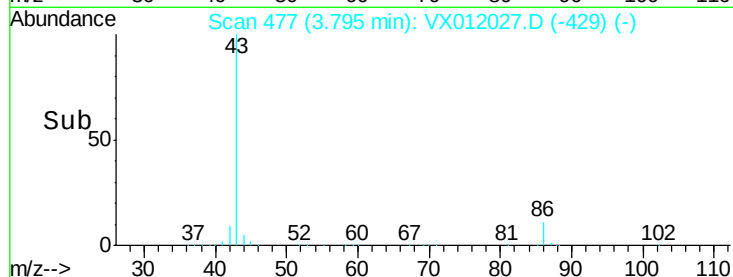
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.089 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

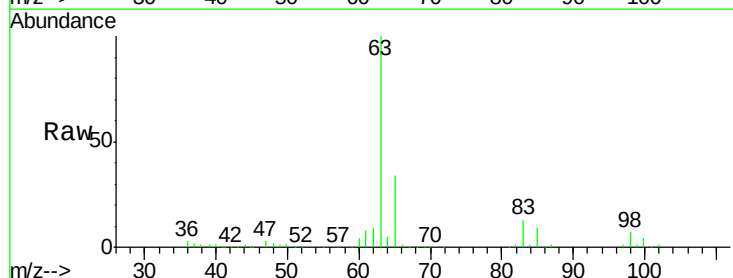
Tgt Ion: 63 Resp: 61387

Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 3.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

30000

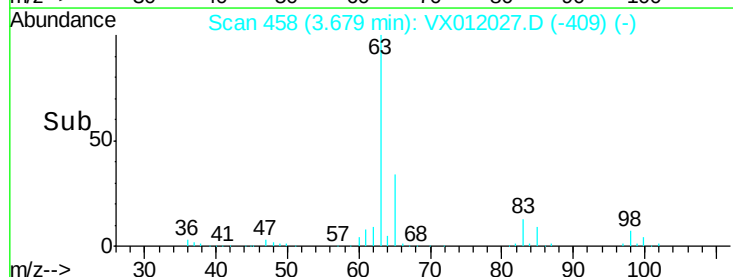
20000

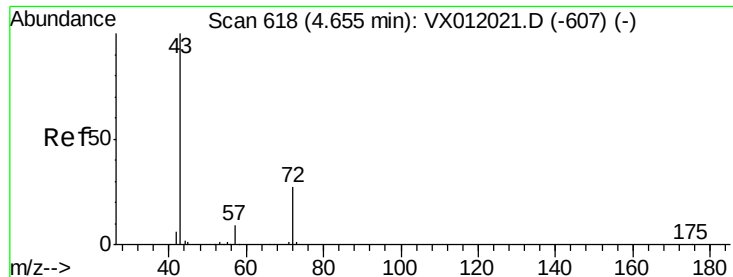
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 102.540 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 43 Resp: 62453

Ion Ratio Lower Upper

43 100

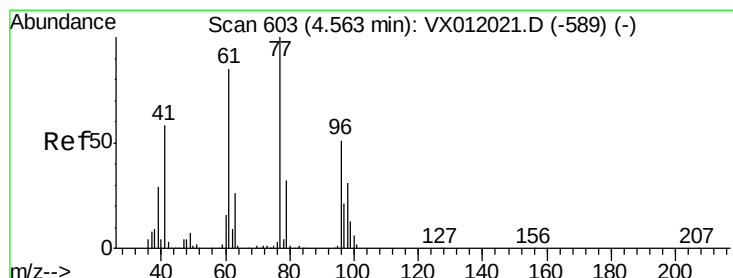
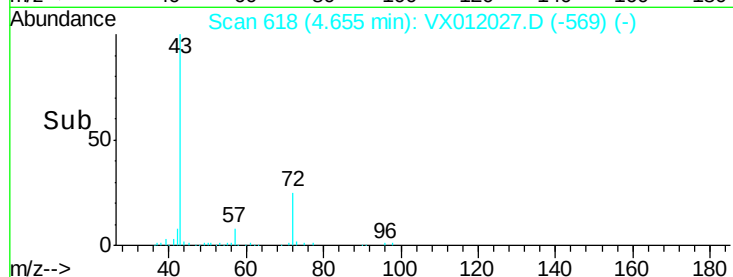
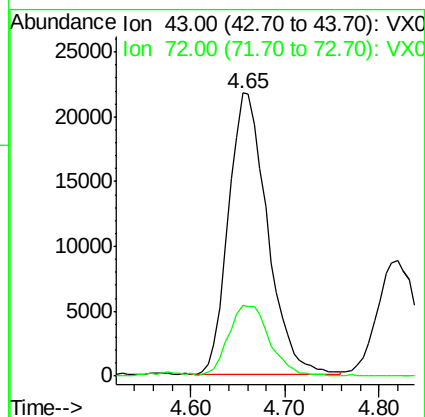
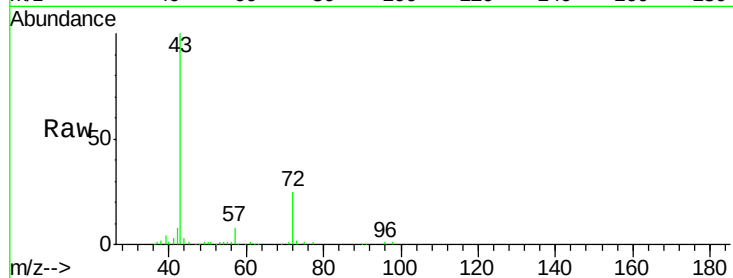
72 24.7 21.3 31.9

Manual Integrations

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Sam

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#26

2,2-Dichloropropane

Concen: 19.548 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012027.D

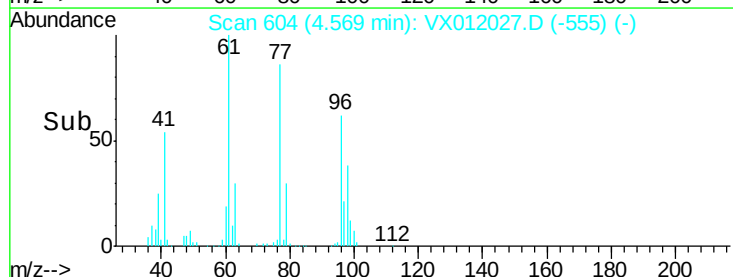
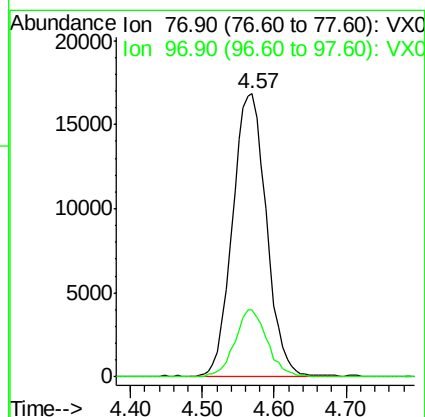
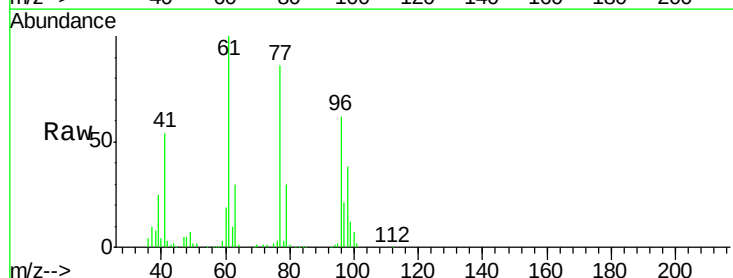
Acq: 03 Sep 2019 17:33

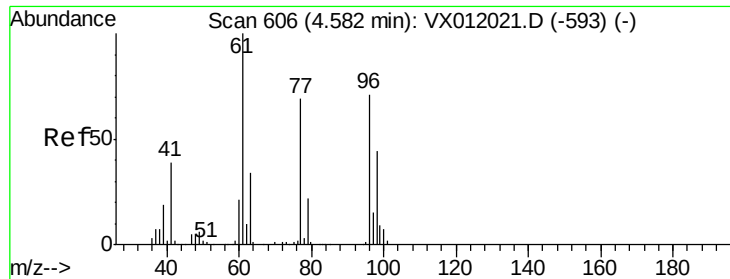
Tgt Ion: 77 Resp: 55150

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5





#27

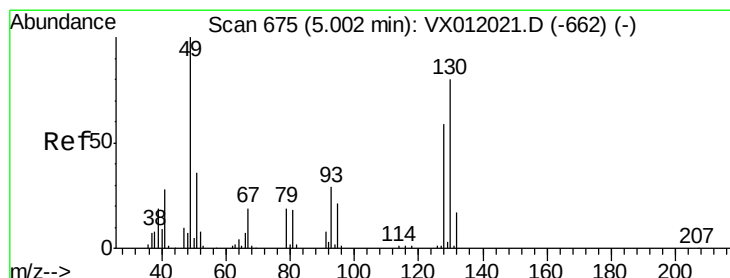
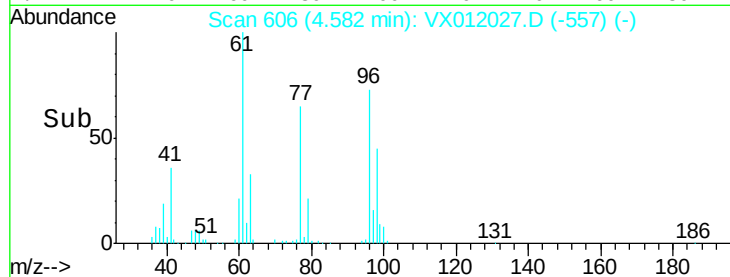
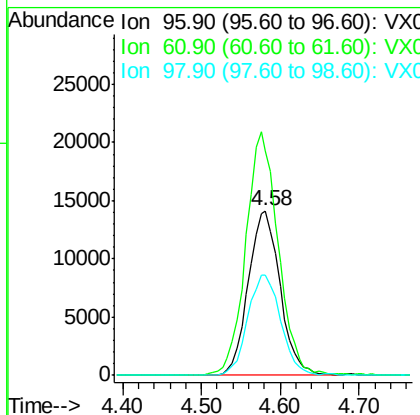
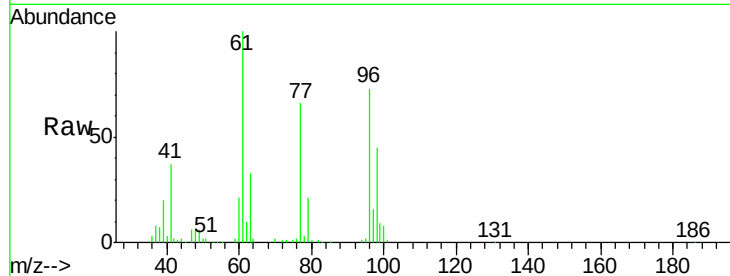
cis-1,2-Dichloroethene
Concen: 20.182 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39660		
61	150.1	0.0	277.0	
98	63.0	0.0	128.4	

Manual Integrations
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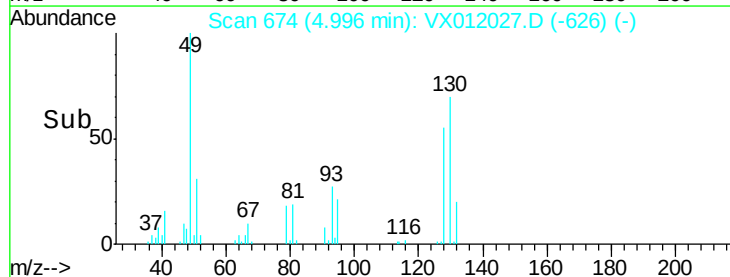
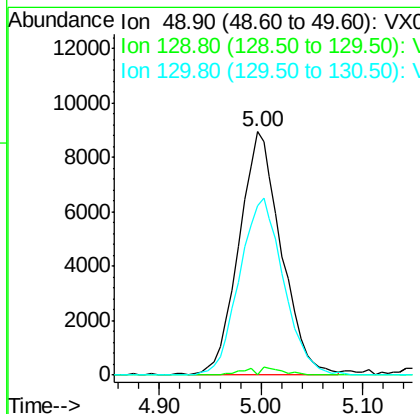
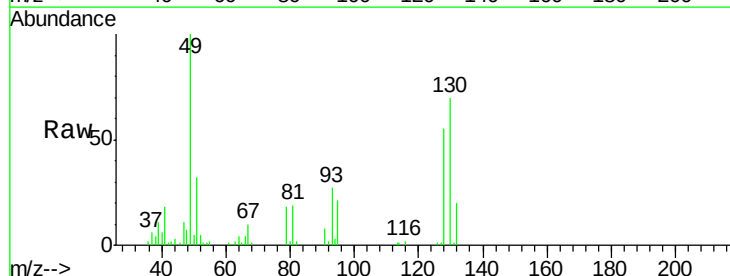
sam
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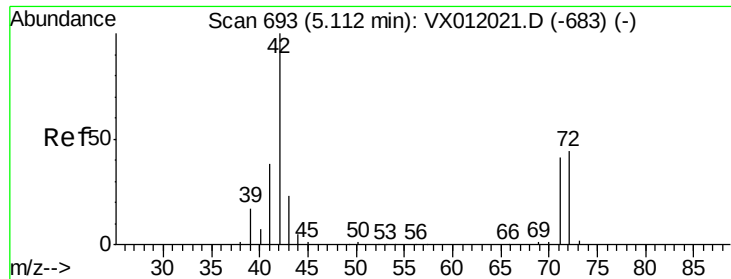


#28

Bromochloromethane
Concen: 21.103 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	25741		
129	1.6	0.0	5.6	
130	75.8	76.7	115.1#	





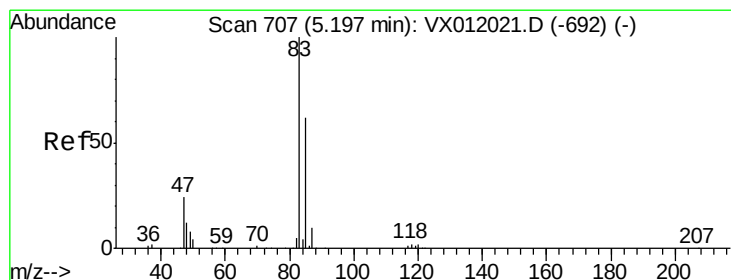
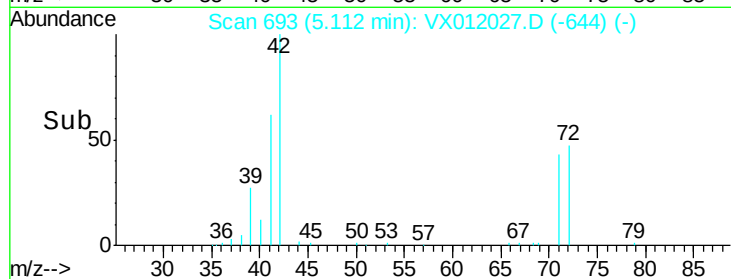
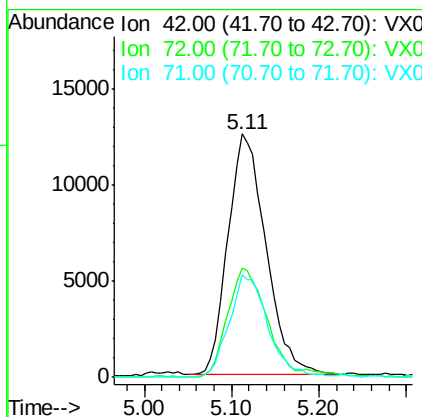
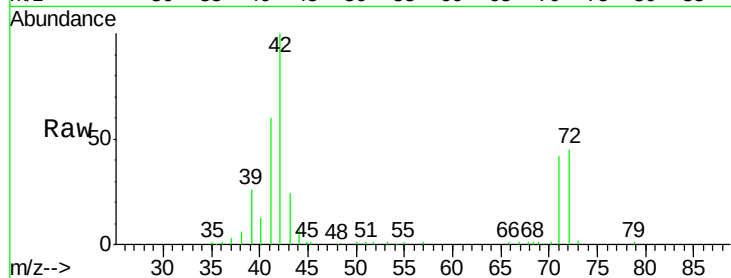
#29
Tetrahydrofuran
Concen: 103.595 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	37.0	55.4
71	43.2	33.8	50.8

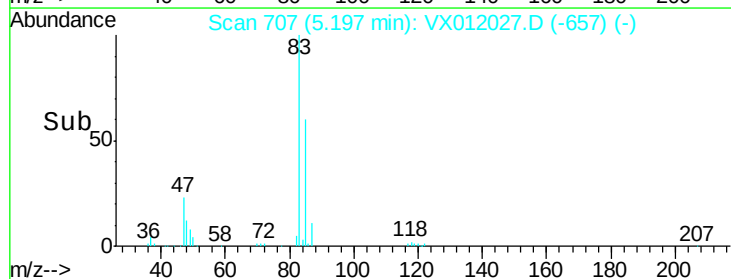
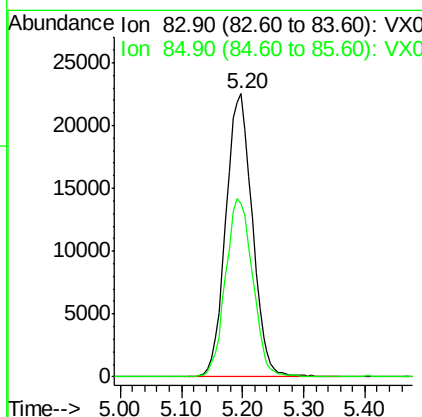
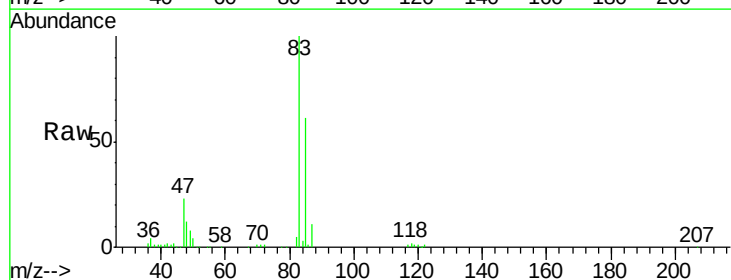
Manual Integrations
APPROVED

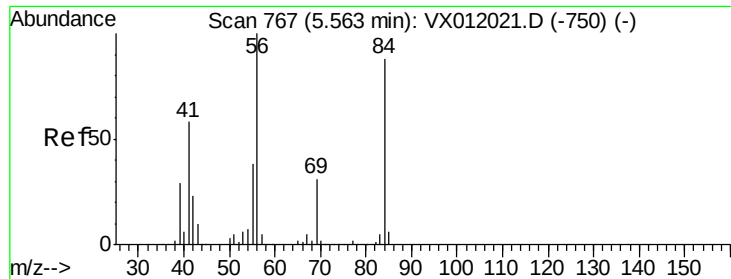
sam
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#30
Chloroform
Concen: 20.514 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.6	78.8





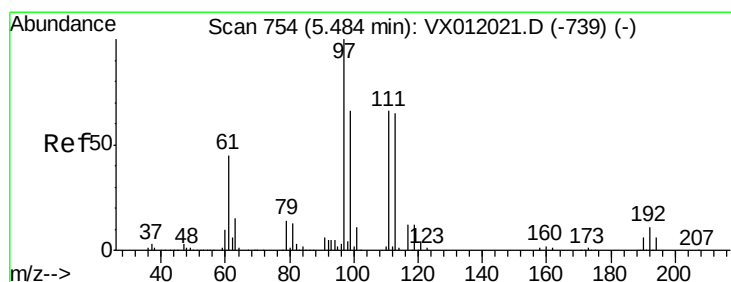
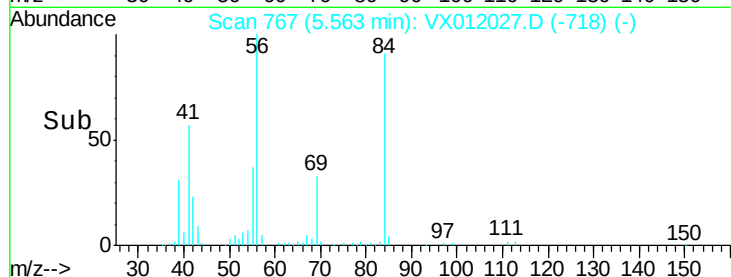
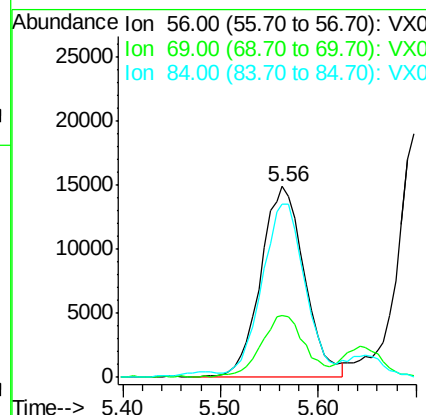
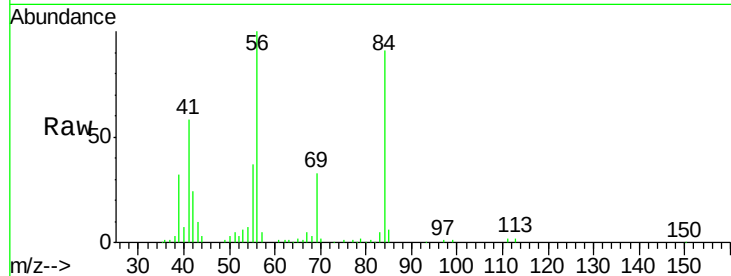
#31
Cyclohexane
Concen: 18.912 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.7	38.5
84	88.3	70.3	105.5

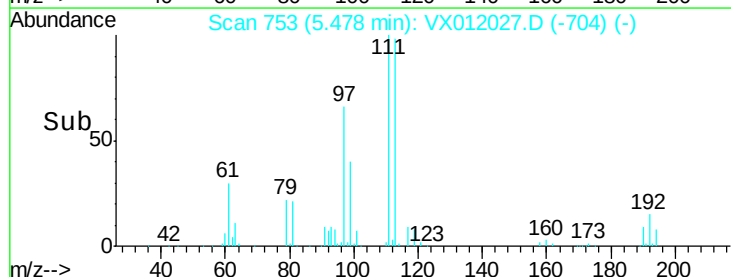
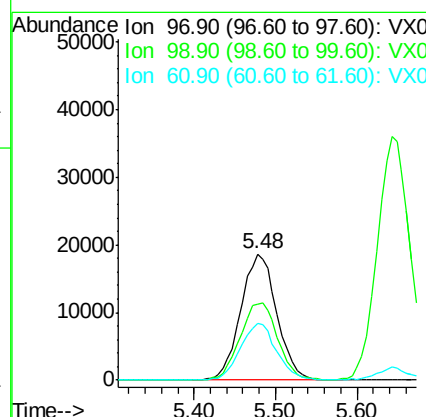
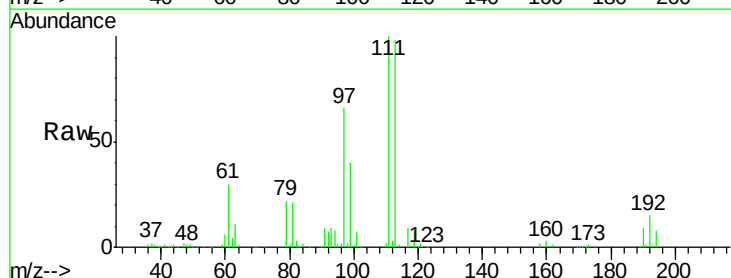
Manual Integrations
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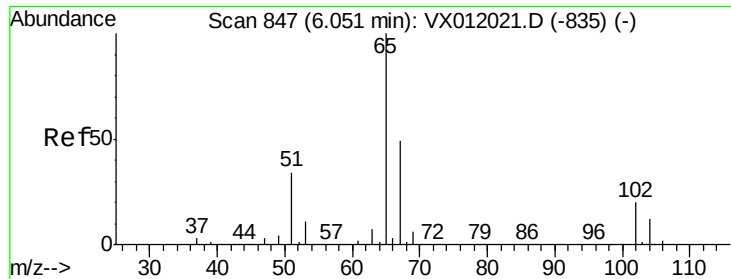
sam
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#32
1,1,1-Trichloroethane
Concen: 19.957 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	45.3	32.8	49.2





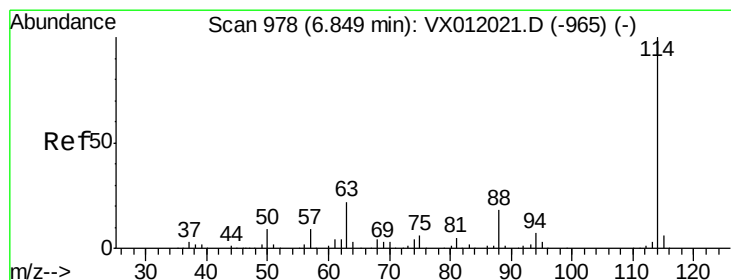
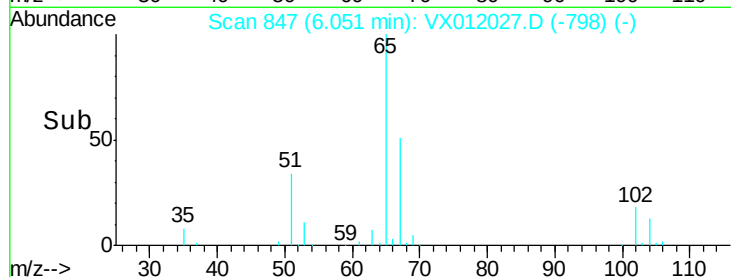
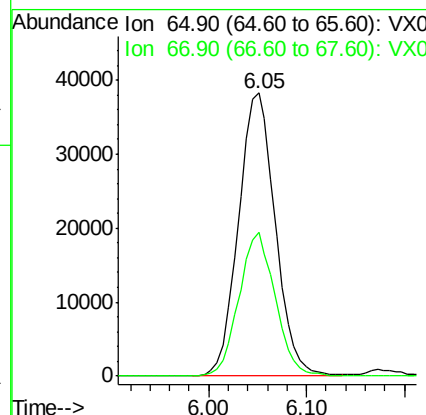
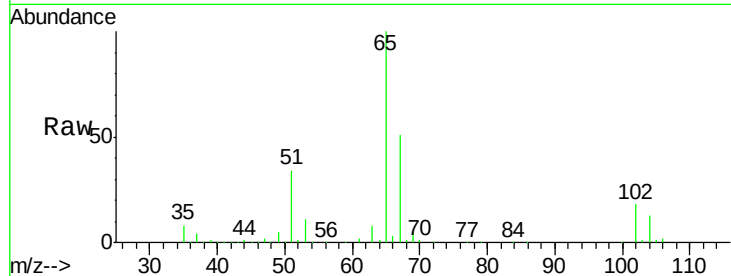
#33
 1,2-Dichloroethane-d4
 Concen: 49.963 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100015		
67	50.3	0.0	102.0	

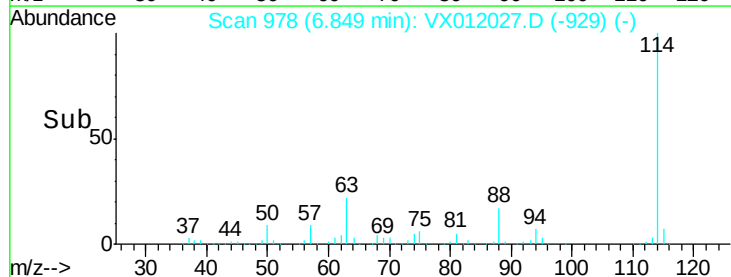
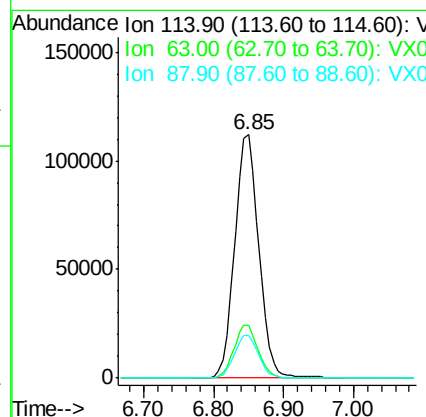
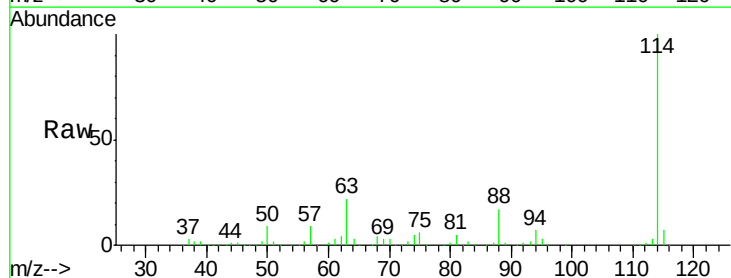
Manual Integrations
 APPROVED

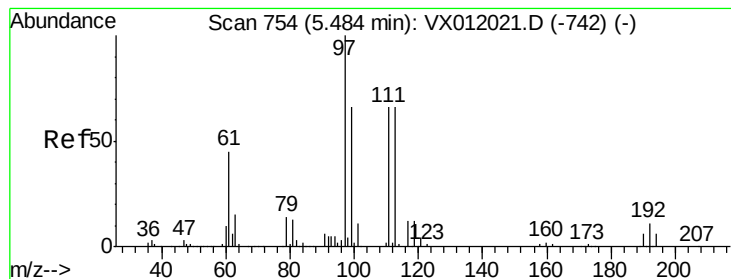
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	268499		
63	21.7	0.0	37.4	
88	17.4	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.639 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

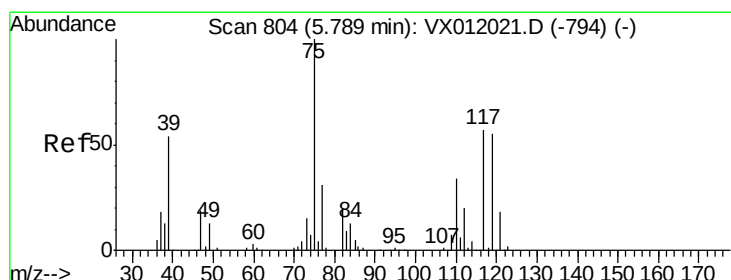
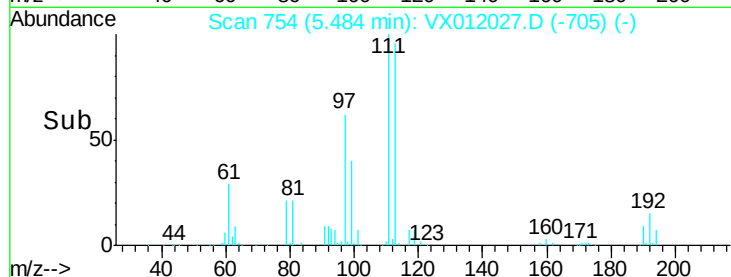
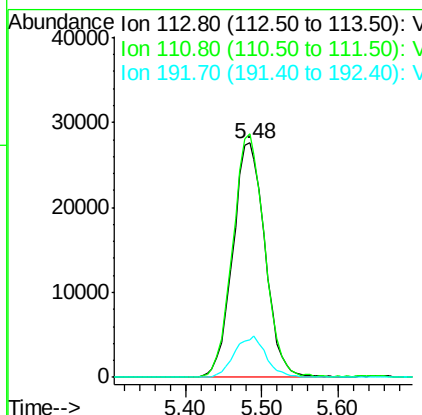
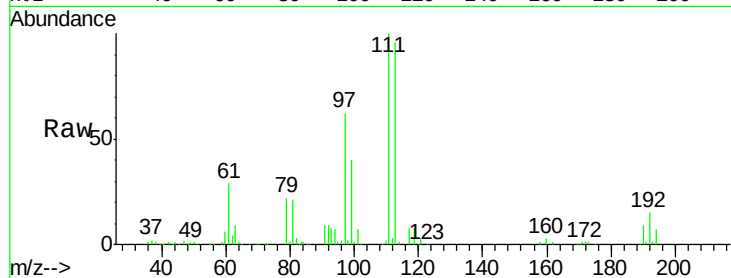
ClientSampled :

VX0903SBS01

Tot Ion:	113	Resp:	80312
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.7	122.5
192	17.1	22.5	33.7#

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.477 ug/l

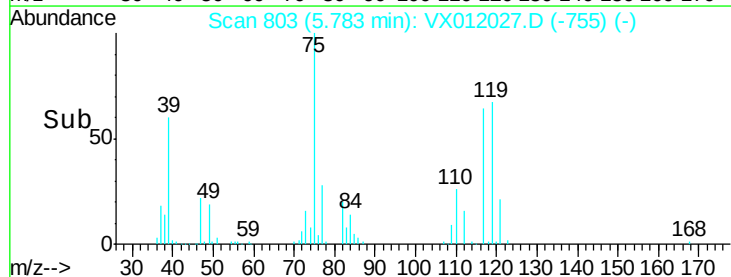
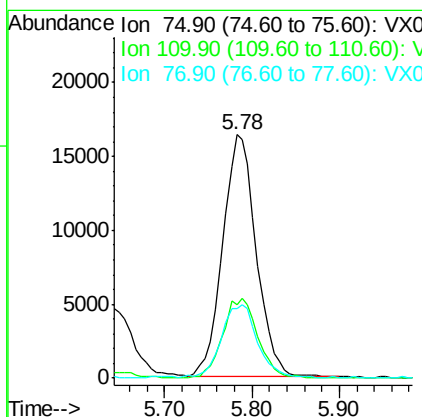
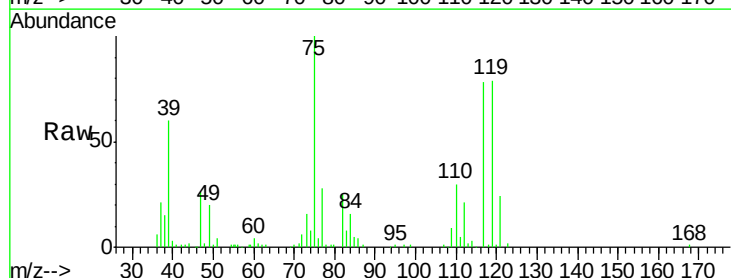
RT: 5.78 min Scan# 803

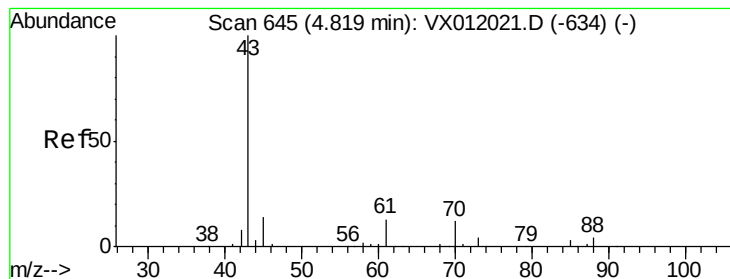
Delta R.T. -0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	75	Resp:	43695
Ion Ratio	Lower	Upper	
75	100		
110	34.4	19.5	58.5
77	33.0	24.6	37.0





#37

Ethyl Acetate

Concen: 20.756 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

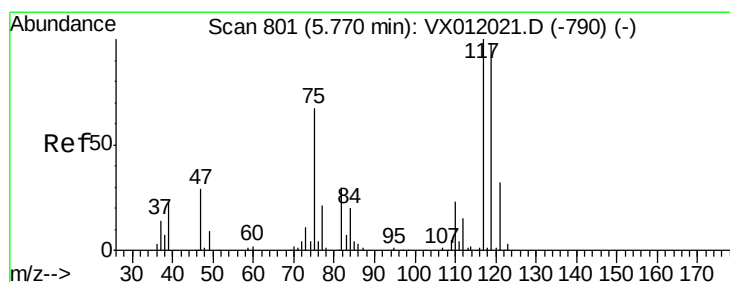
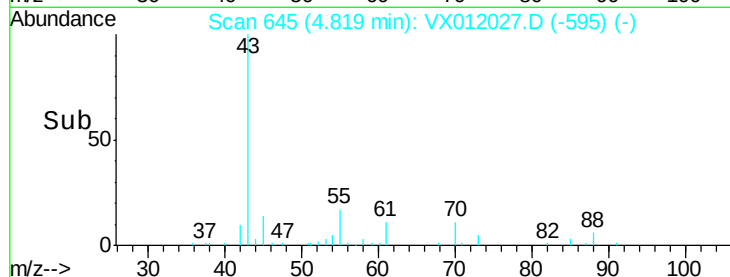
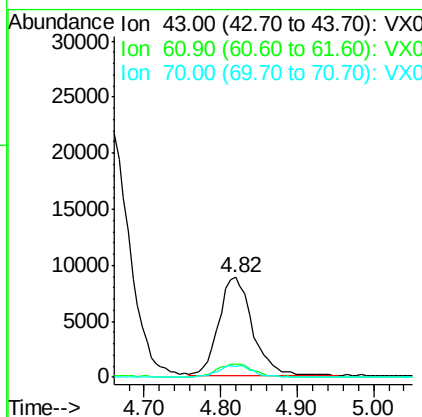
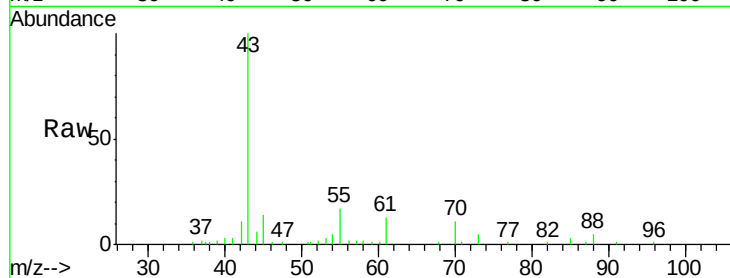
ClientSampleId :

VX0903SBSD01

Tot Ion:	43	Resp:	26691
Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	12.7	9.4	14.0

Manual Integrations
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sam
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#38

Carbon Tetrachloride

Concen: 18.902 ug/l

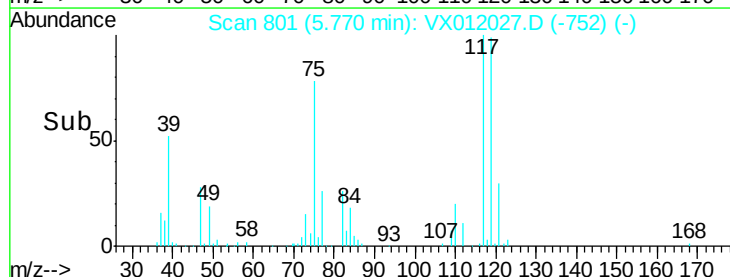
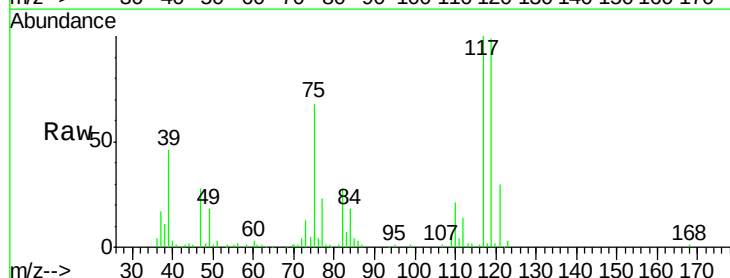
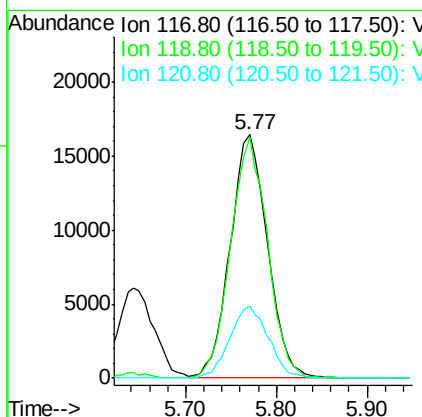
RT: 5.77 min Scan# 801

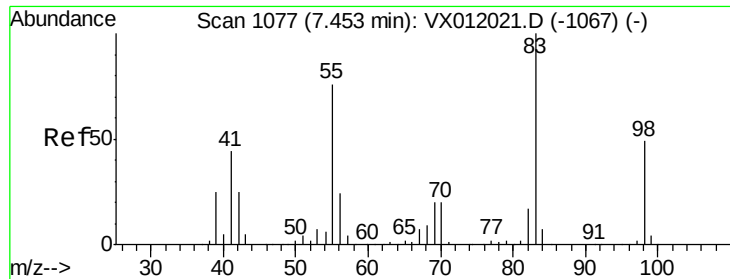
Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	117	Resp:	47101
Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.3	117.5
121	29.7	24.2	36.2





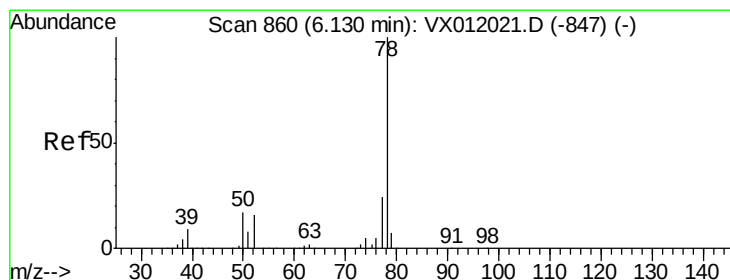
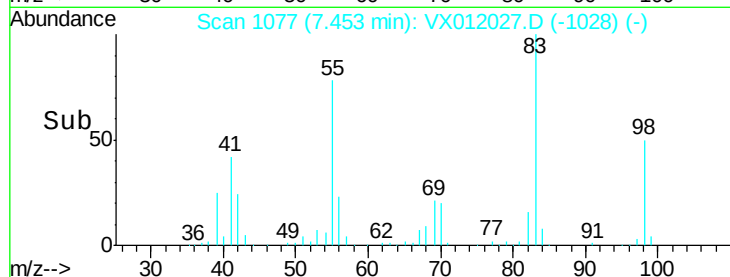
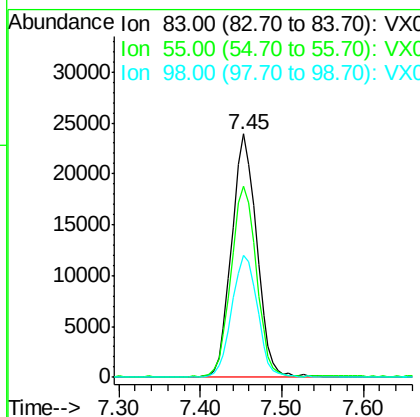
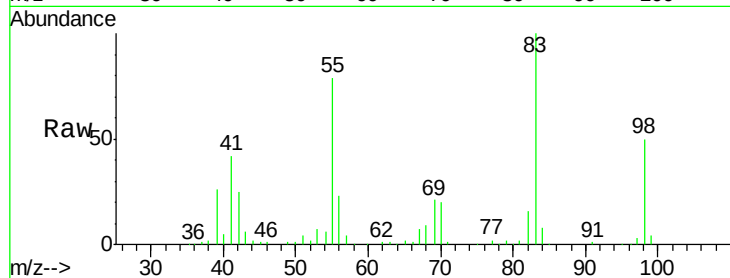
#39
Methylvlcyclohexane
Concen: 18.598 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	83	Resp	51044
Ion	Ratio	Lower	Upper
83	100		
55	78.5	59.6	89.4
98	50.0	41.4	62.0

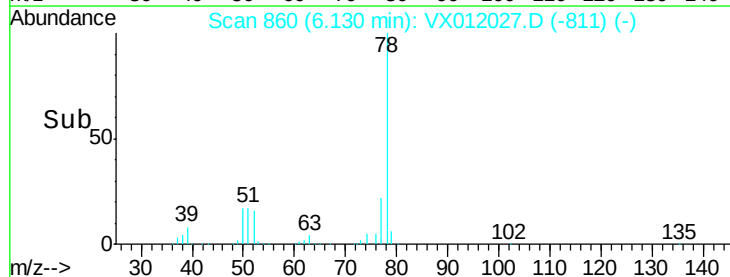
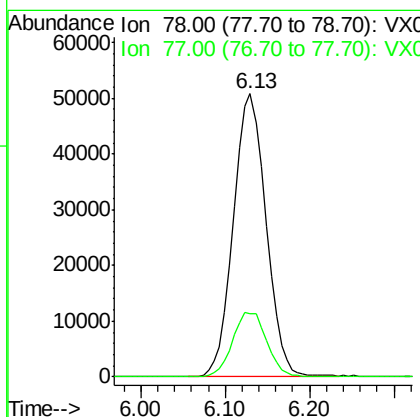
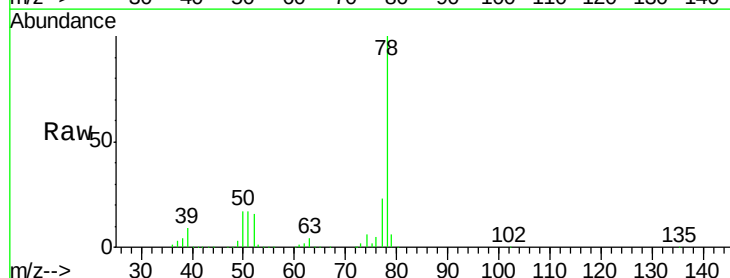
Manual Integrations
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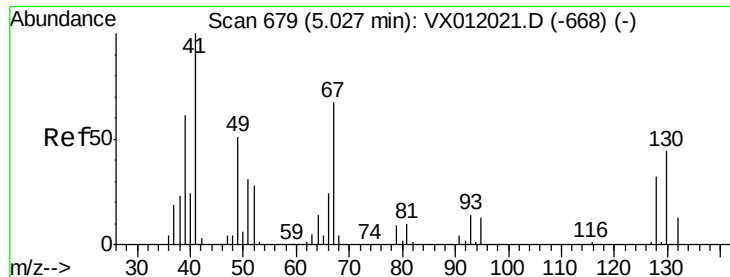
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#40
Benzene
Concen: 19.712 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	78	Resp	133823
Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.3	28.9





#41

Methacrylonitrile

Concen: 21.281 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 41 Resp: 16320

Ion Ratio Lower Upper

41 100

39 52.3 46.7 70.1

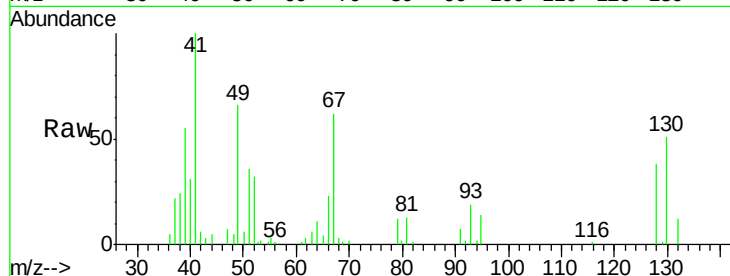
67 70.9 57.0 85.6

52 31.7 23.5 35.3

Manual Integrations
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sam

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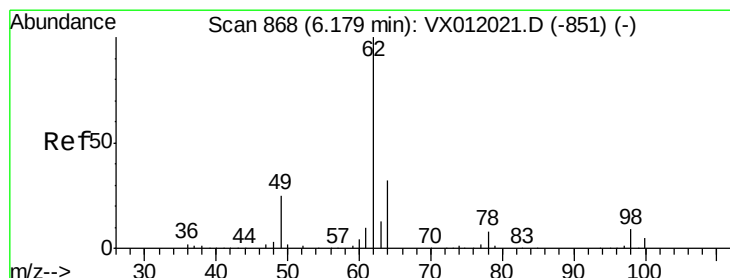
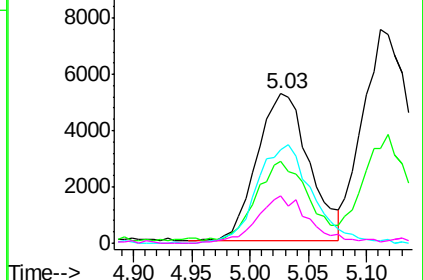
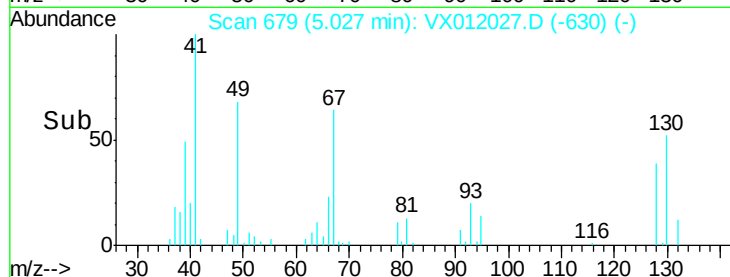


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 20.332 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX012027.D

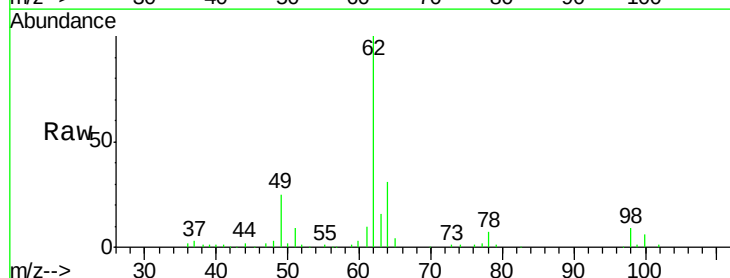
Acq: 03 Sep 2019 17:33

Tgt Ion: 62 Resp: 49673

Ion Ratio Lower Upper

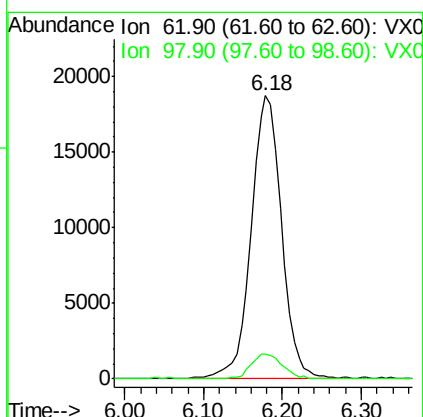
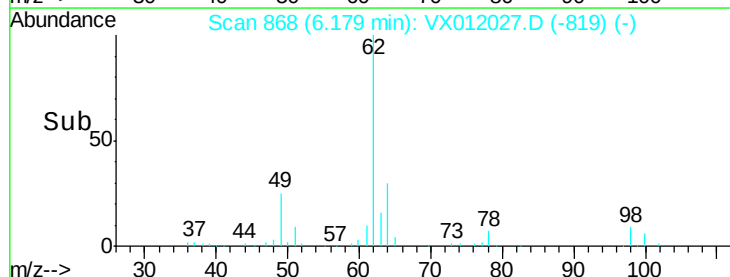
62 100

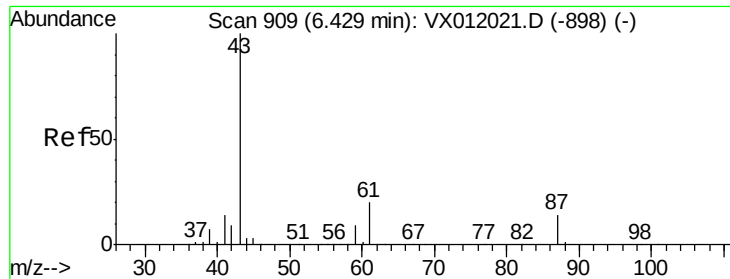
98 9.2 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.657 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

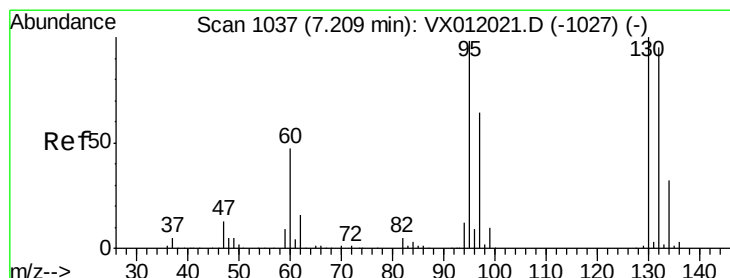
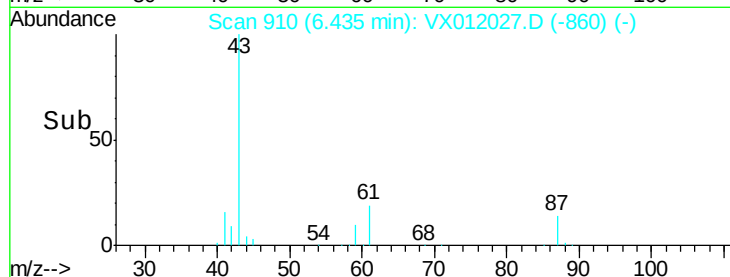
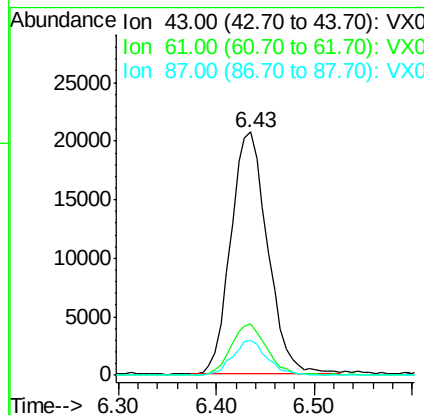
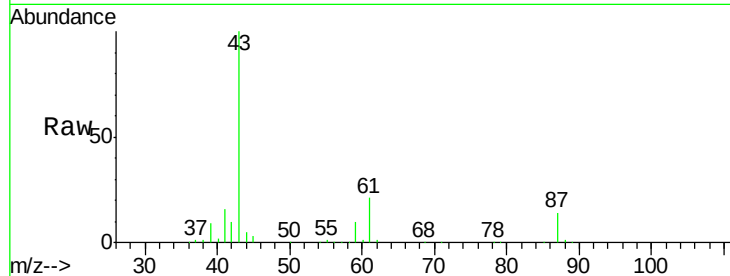
ClientSampleId :

VX0903SBS01

Tot Ion:	43	Resp:	54014
Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.1	24.1
87	13.5	11.3	16.9

Manual Integrations
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sam
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#44

Trichloroethene

Concen: 19.252 ug/l

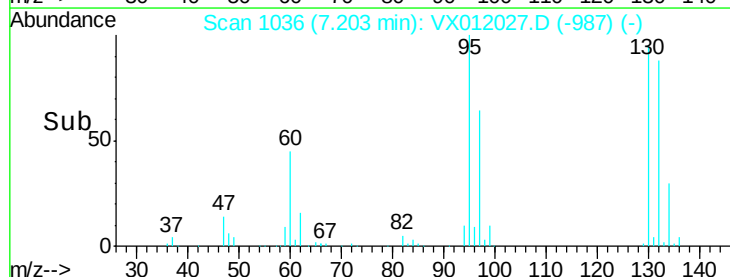
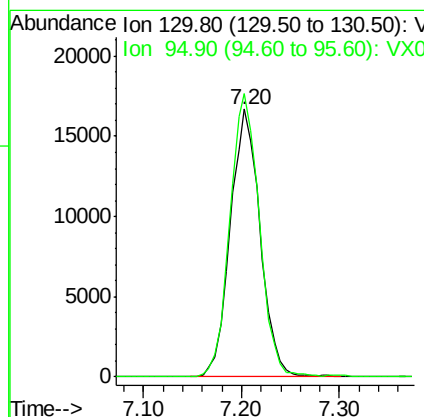
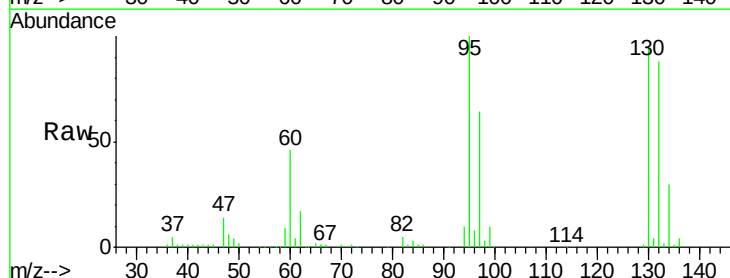
RT: 7.20 min Scan# 1036

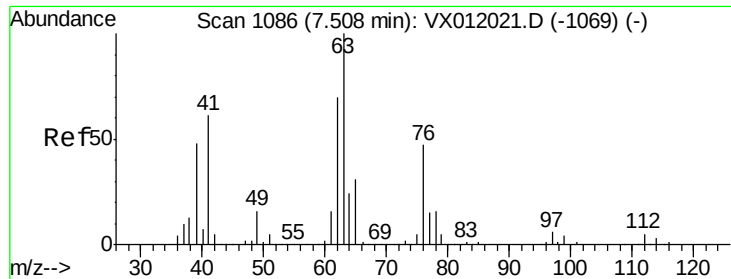
Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	130	Resp:	35253
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	176.4





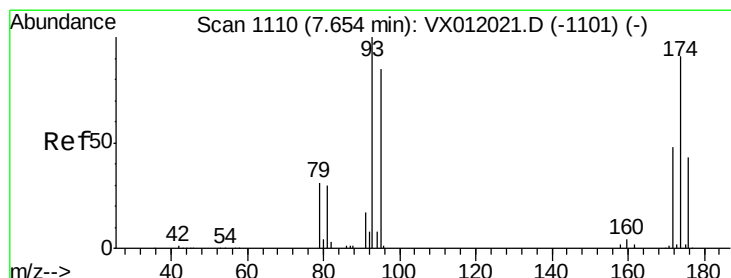
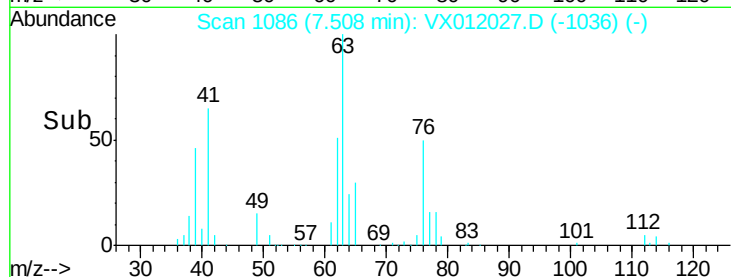
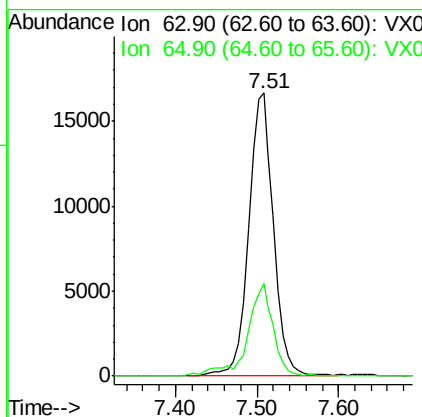
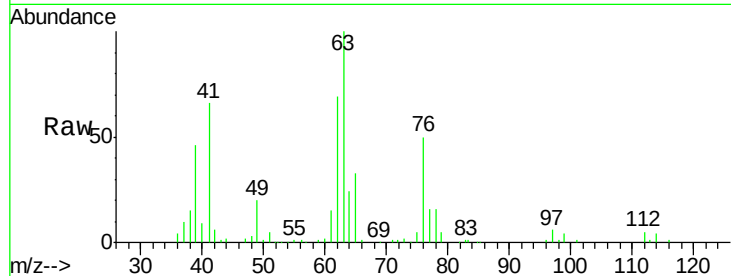
#45
 1,2-Dichloropropane
 Concen: 20.131 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	63	Resp	35310
Ion Ratio	Lower	Upper	
63	100		
65	32.5	25.0	37.6

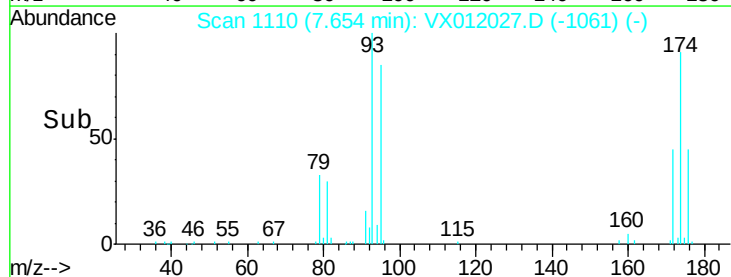
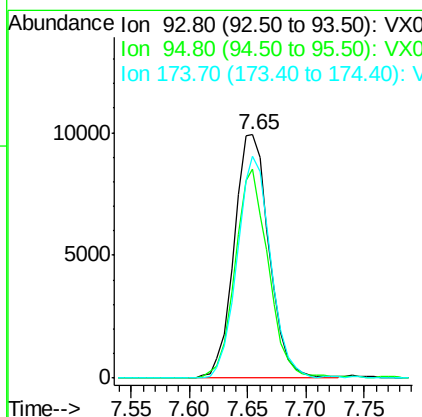
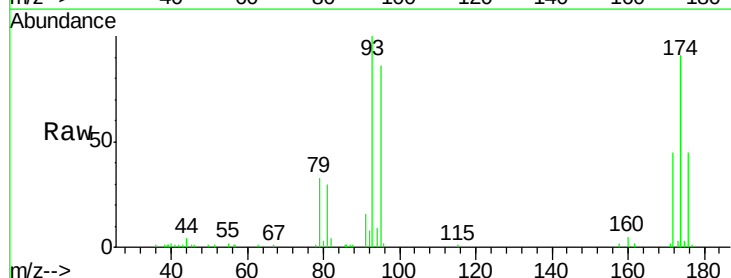
Manual Integrations
 APPROVED

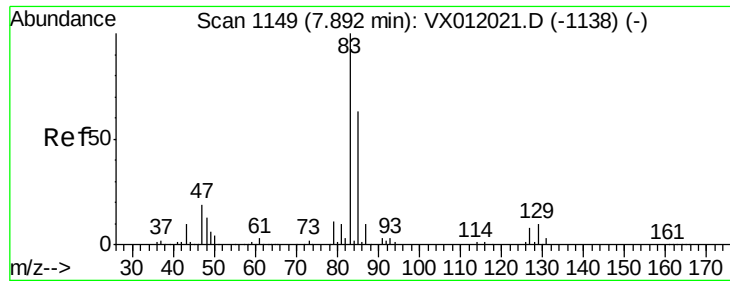
sam
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#46
 Dibromomethane
 Concen: 20.305 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	93	Resp	20791
Ion Ratio	Lower	Upper	
93	100		
95	81.7	66.2	99.2
174	86.8	110.2	165.4#





#47

Bromodichloromethane

Concen: 20.428 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

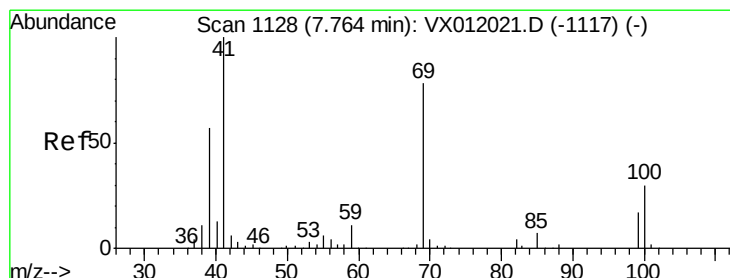
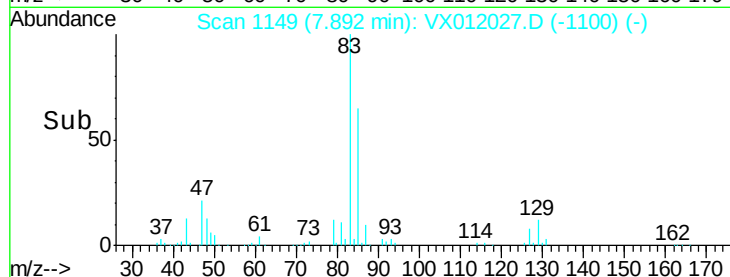
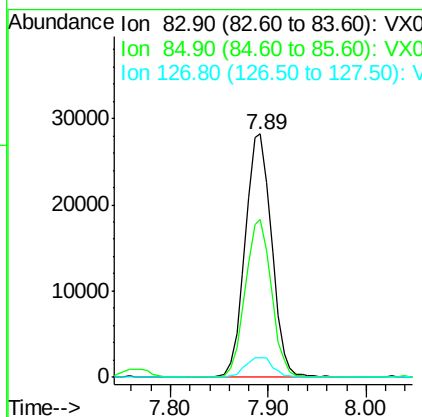
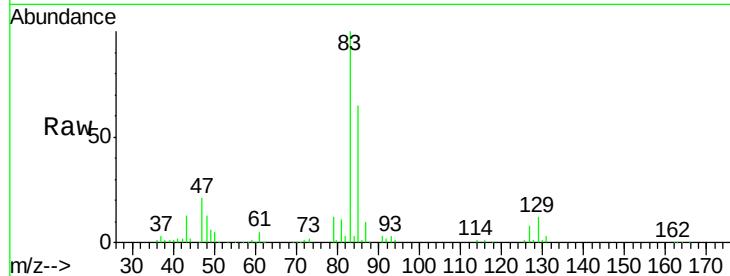
ClientSampleId :

VX0903SBS01

Tot Ion:	83	Resp:	53167
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.3	75.5
127	8.2	8.1	12.1

Manual Integrations
APPROVED

sam
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#48

Methyl methacrylate

Concen: 20.298 ug/l

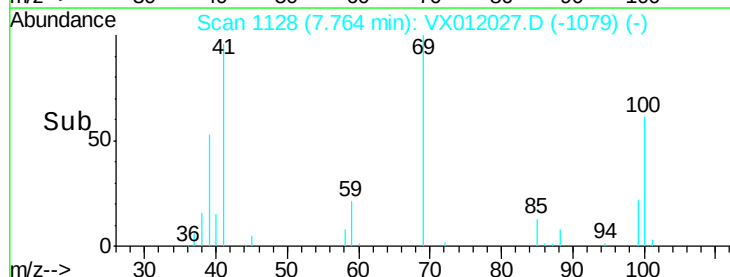
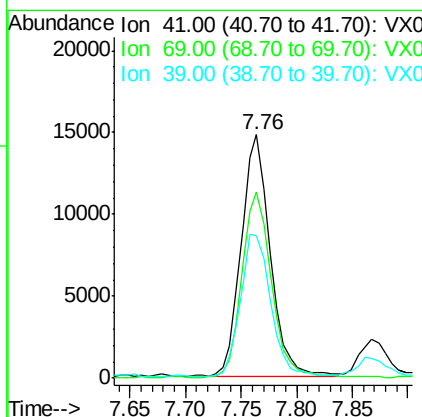
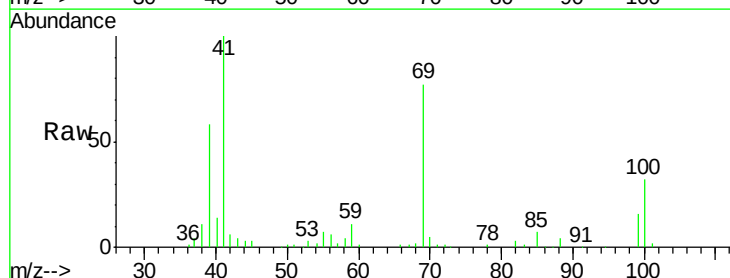
RT: 7.76 min Scan# 1128

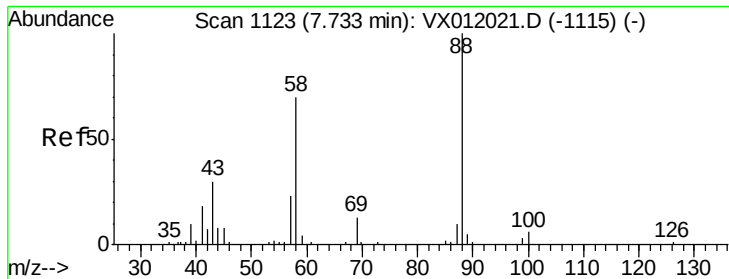
Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	41	Resp:	26687
Ion	Ratio	Lower	Upper
41	100		
69	79.5	66.3	99.5
39	61.0	48.1	72.1





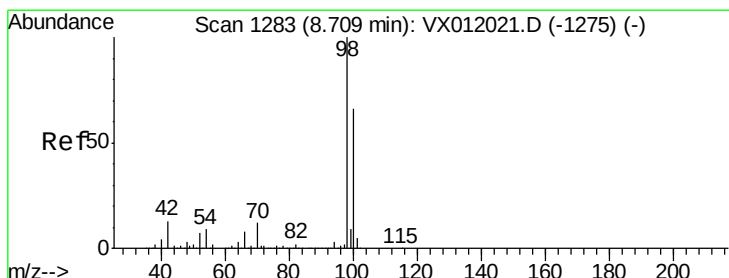
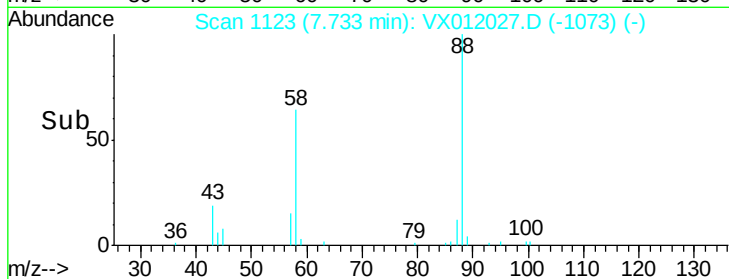
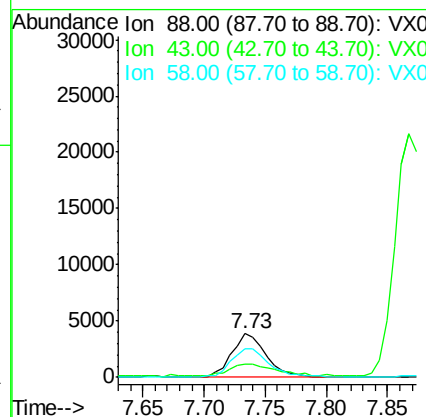
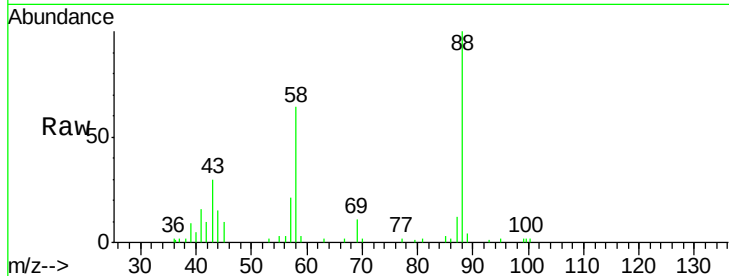
#49
1,4-Dioxane
Concen: 423.320 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	29.8	44.6
58	72.3	55.4	83.2

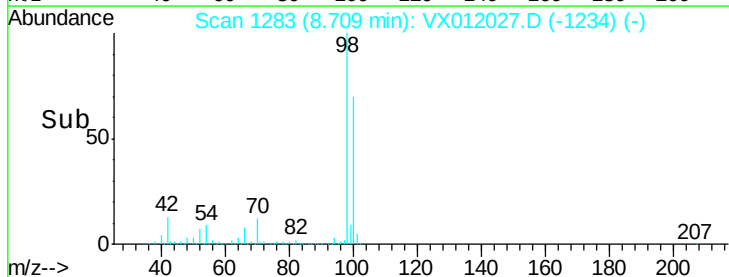
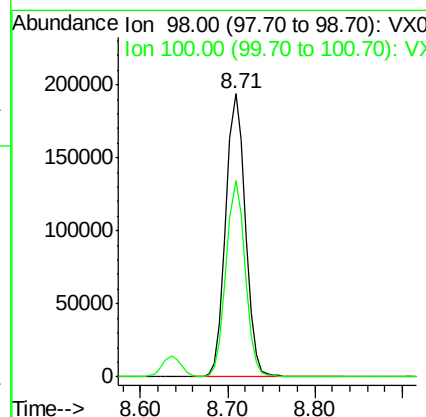
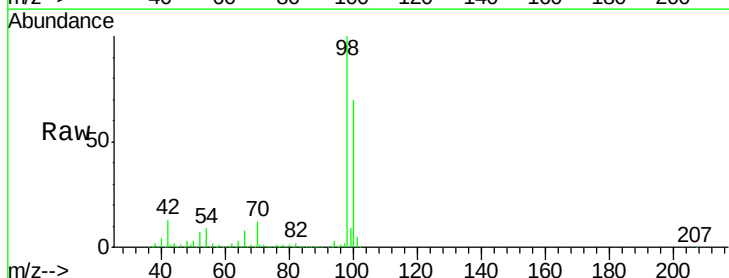
Manual Integrations
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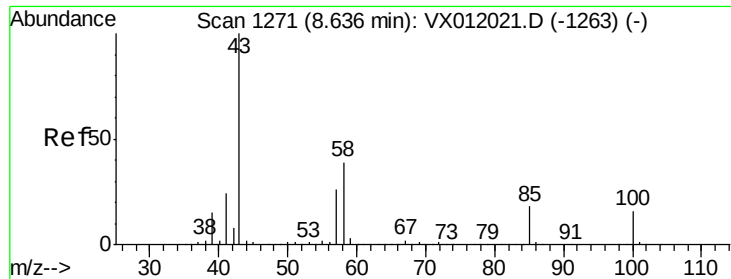
sam
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#50
Toluene-d8
Concen: 49.982 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 103.879 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampled :

VX0903SBS01

Tot Ion: 43 Resp: 138156

Ion Ratio Lower Upper

43 100

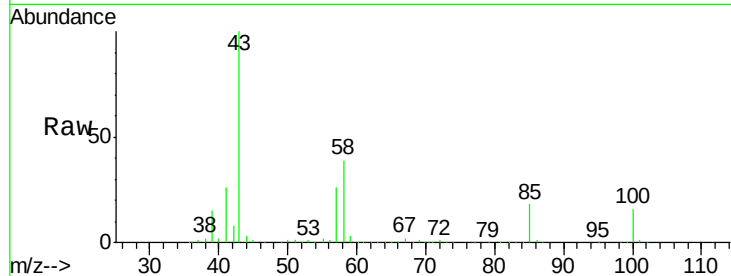
58 39.0 31.5 47.3

Manual Integrations

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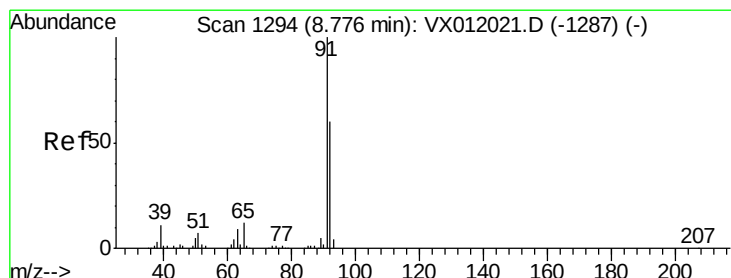
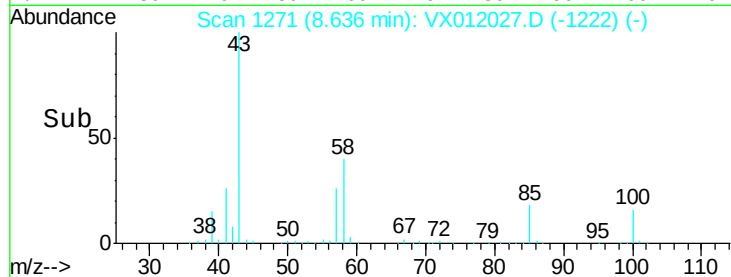
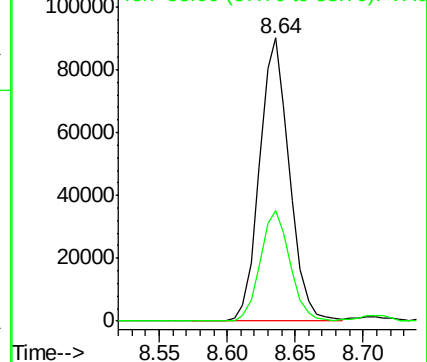
sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.575 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012027.D

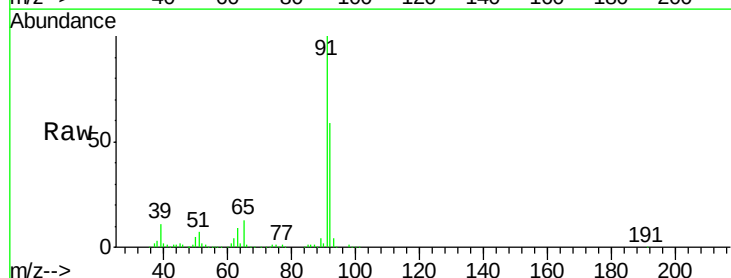
Acq: 03 Sep 2019 17:33

Tgt Ion: 92 Resp: 86468

Ion Ratio Lower Upper

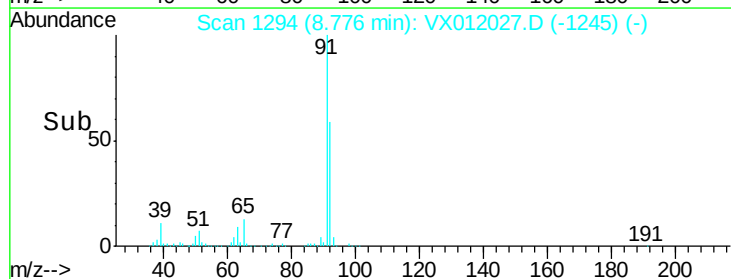
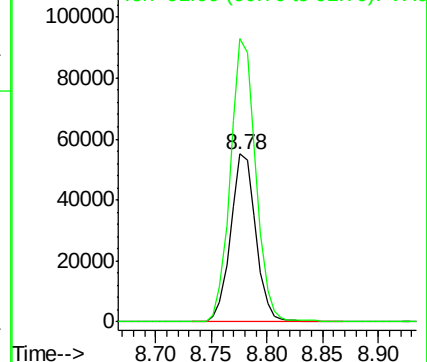
92 100

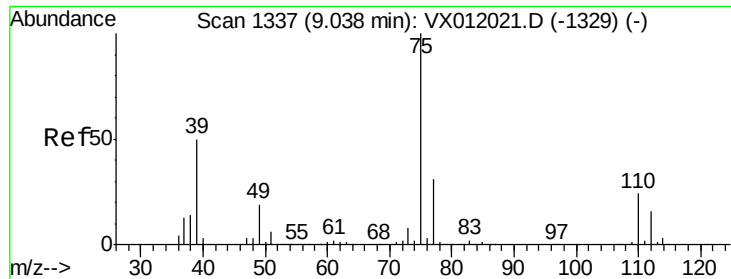
91 169.2 136.0 204.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





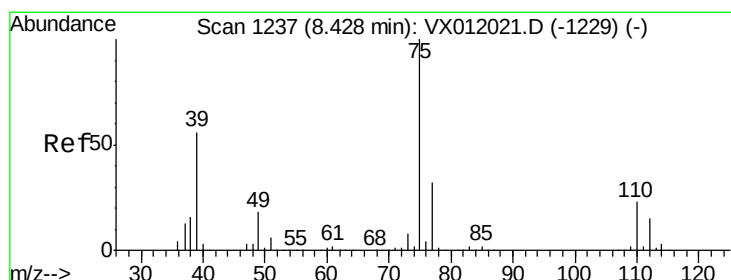
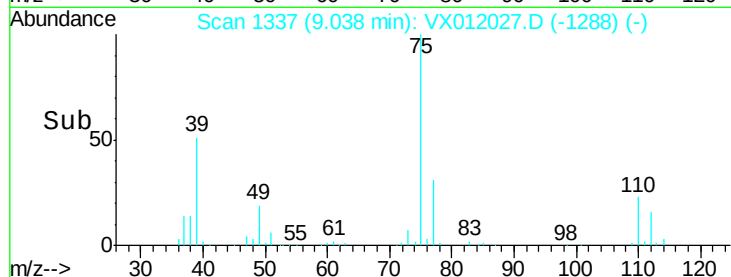
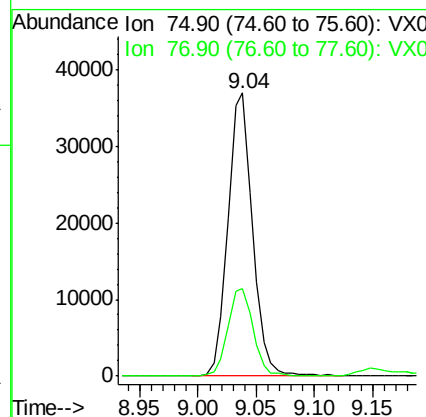
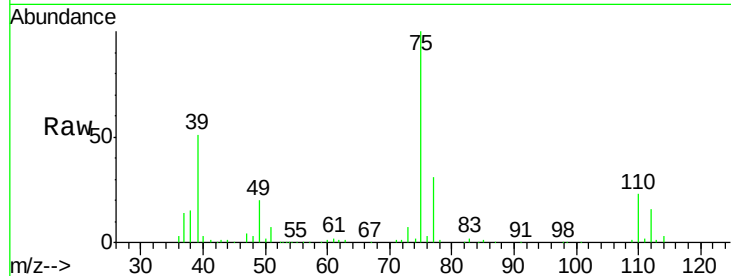
#53
t-1,3-Dichloropropene
Concen: 20.013 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBSD01

Tot Ion: 75 Resp: 53925
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7

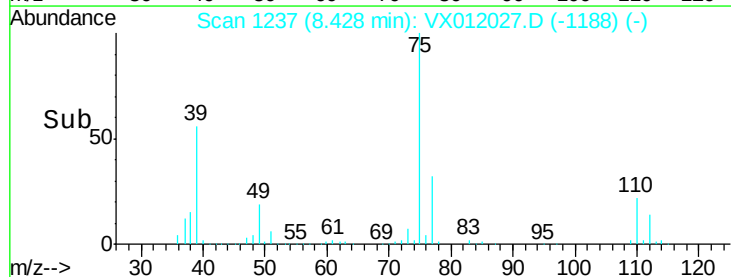
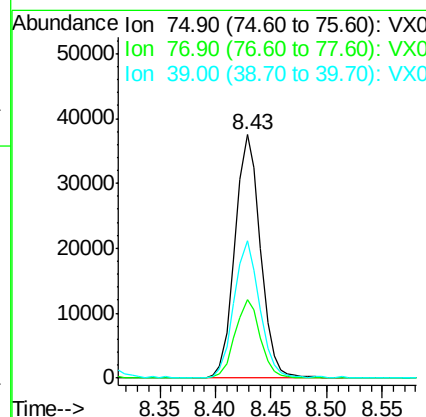
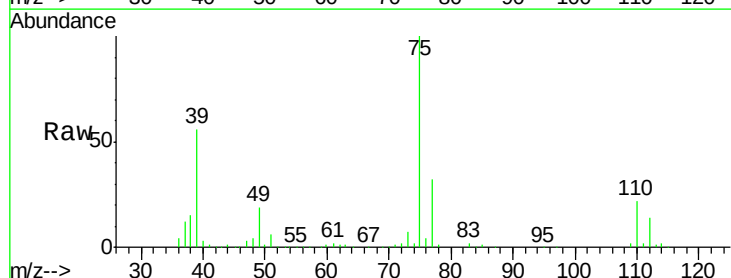
Manual Integrations
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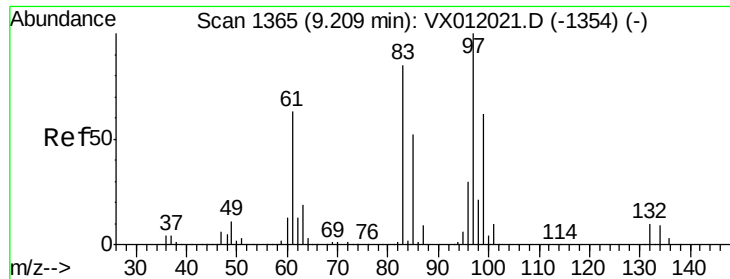
sam
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#54
cis-1,3-Dichloropropene
Concen: 19.954 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion: 75 Resp: 59791
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3
39 55.9 43.0 64.4





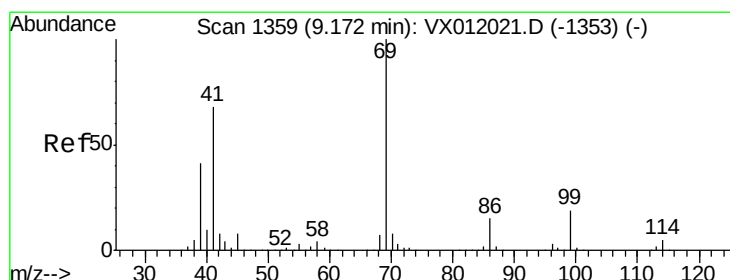
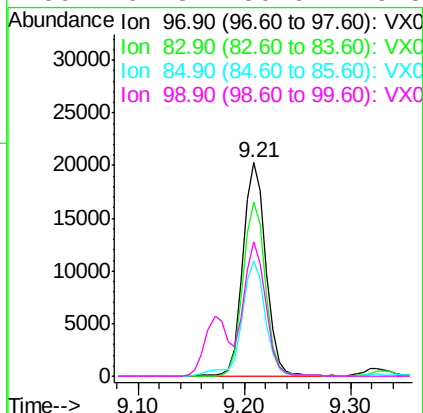
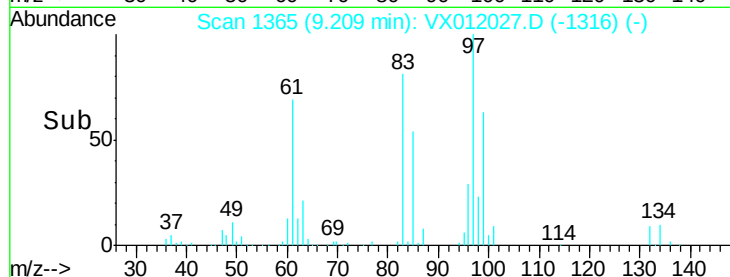
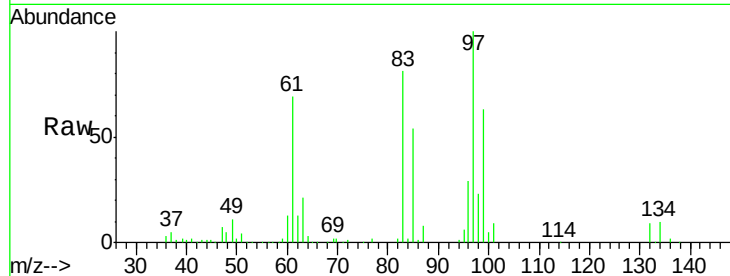
#55
 1,1,2-Trichloroethane
 Concen: 21.084 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion:	97	Resp:	30864
Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.0	99.0
85	53.7	41.0	61.6
99	62.8	50.6	75.8

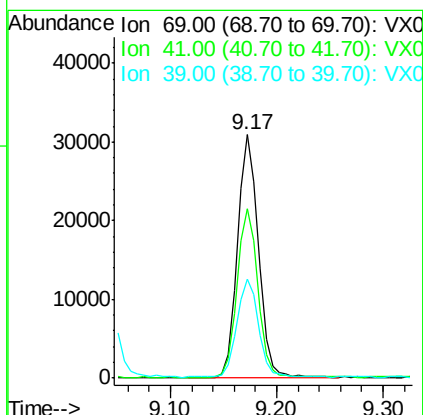
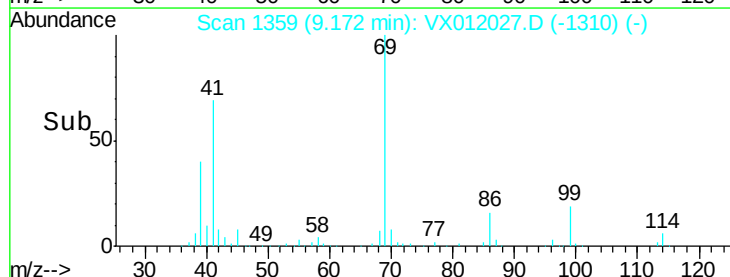
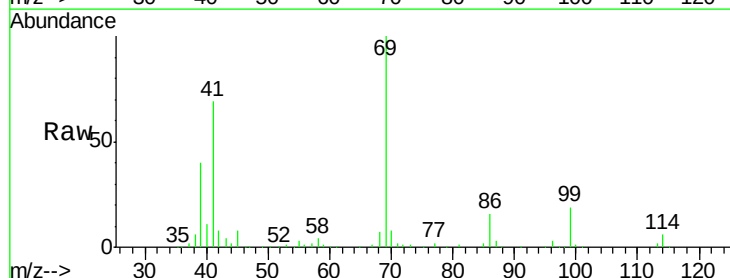
Manual Integrations
 APPROVED

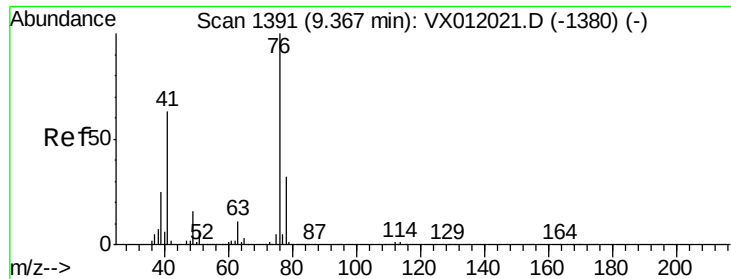
sam
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#56
 Ethyl methacrylate
 Concen: 20.587 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion:	69	Resp:	43168
Ion	Ratio	Lower	Upper
69	100		
41	68.4	53.9	80.9
39	41.2	31.1	46.7





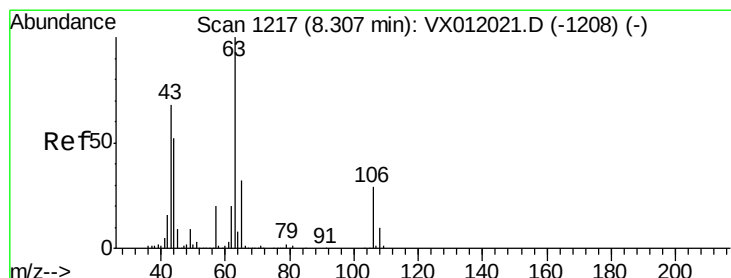
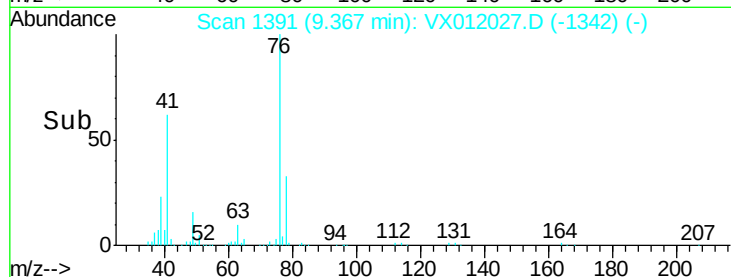
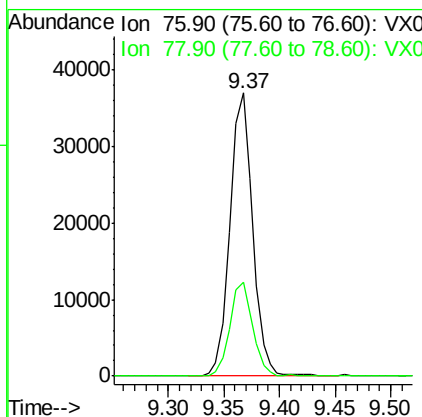
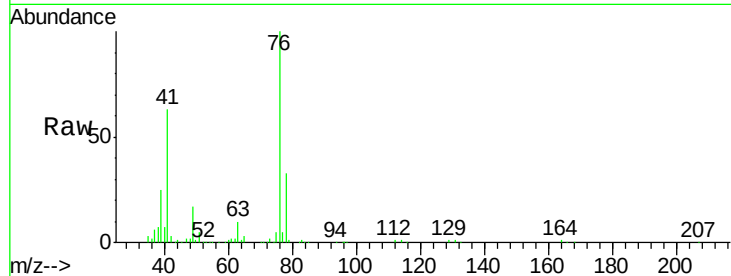
#57
 1,3-Dichloropropane
 Concen: 20.725 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.5	38.3

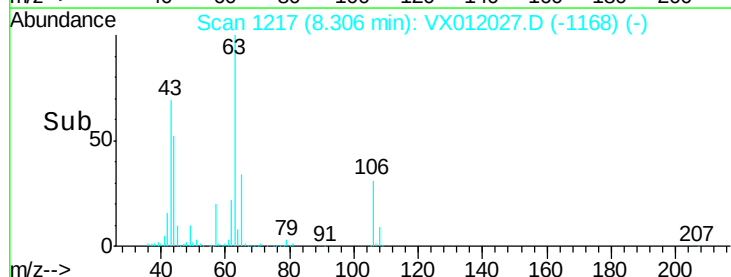
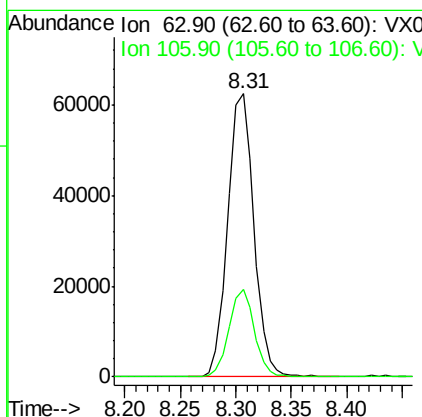
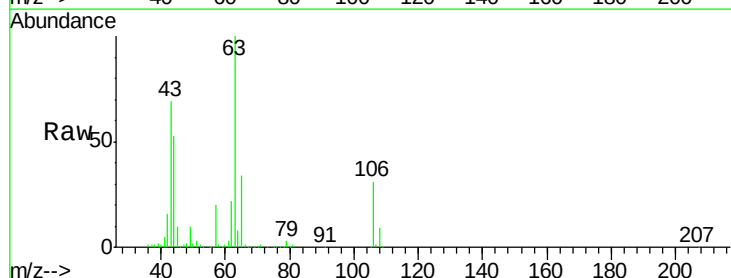
Manual Integrations
 APPROVED

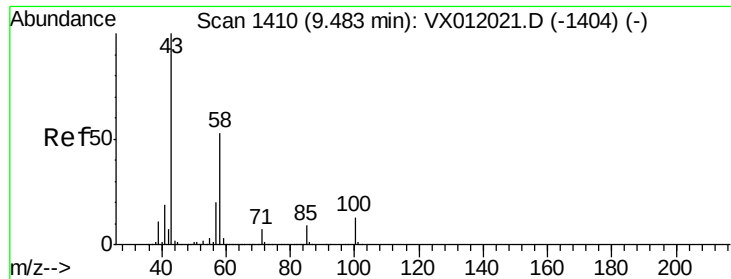
sam
 9/4/2019 4:46:02 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.943 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	26.5	39.7





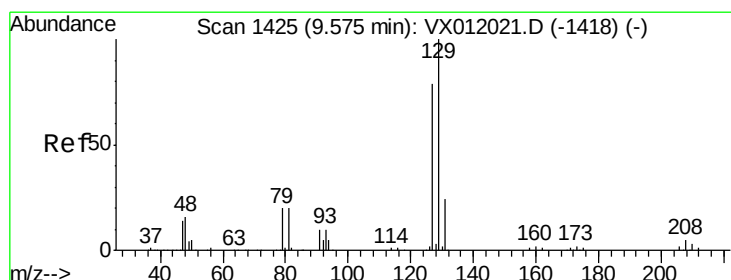
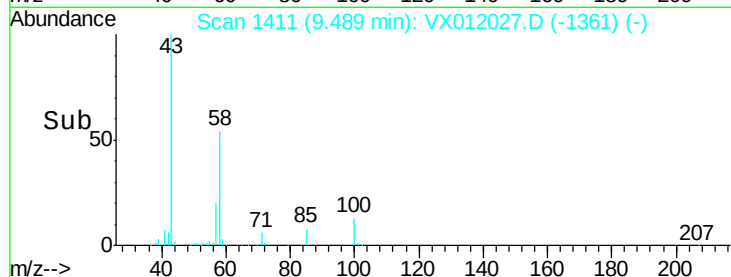
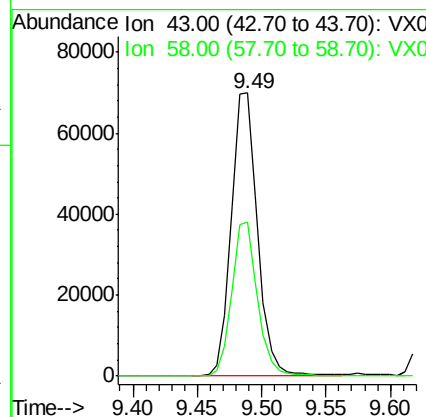
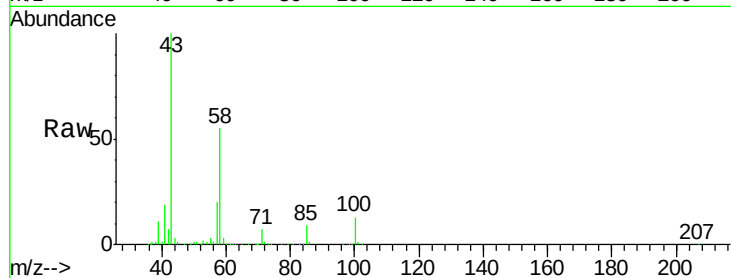
#59
2-Hexanone
Concen: 103.129 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion: 43 Resp: 100082
Ion Ratio Lower Upper
43 100
58 53.7 27.2 81.6

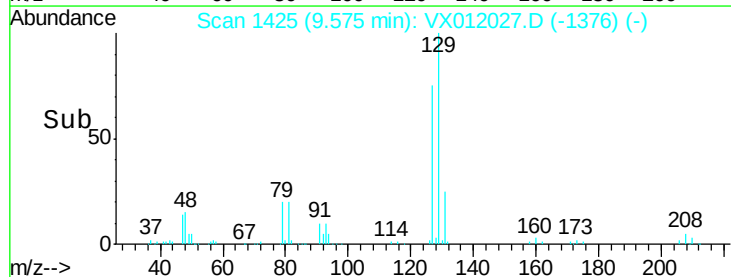
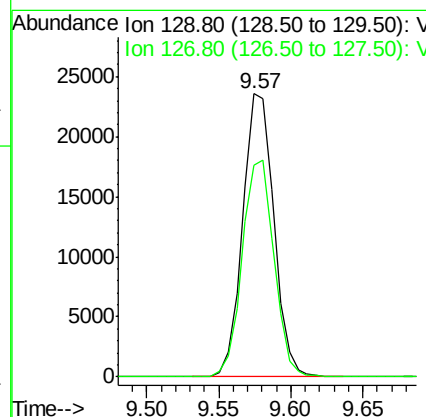
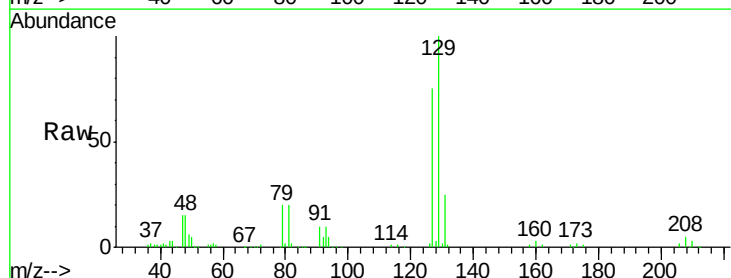
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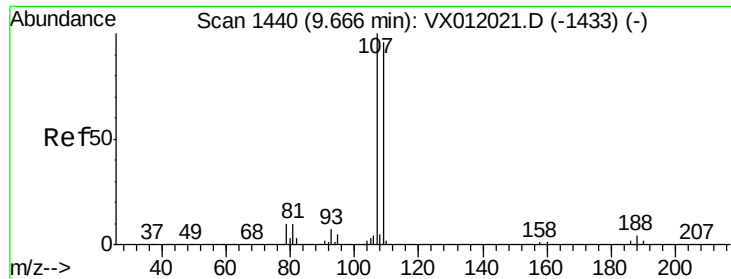
sam
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#60
Dibromochloromethane
Concen: 20.265 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion: 129 Resp: 35356
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.297 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBSD01

Tot Ion: 107 Resp: 28710

Ion Ratio Lower Upper

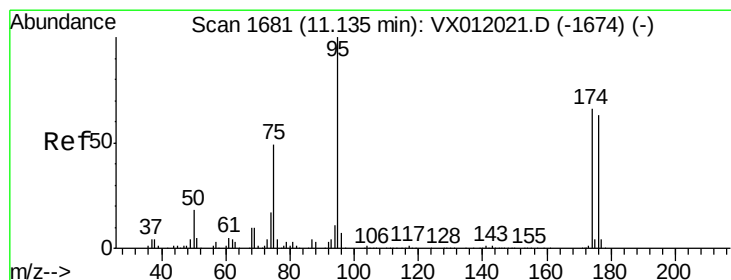
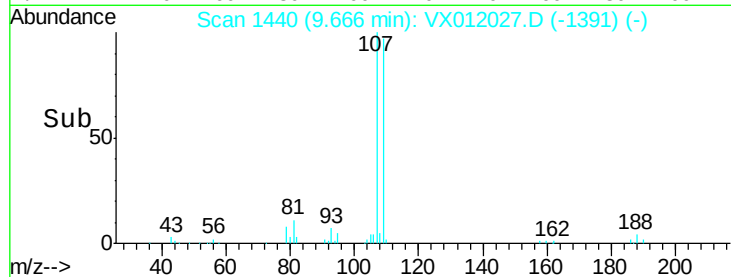
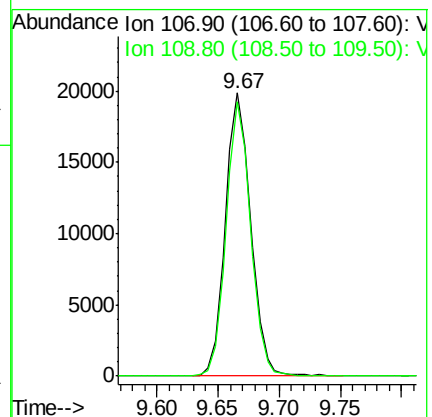
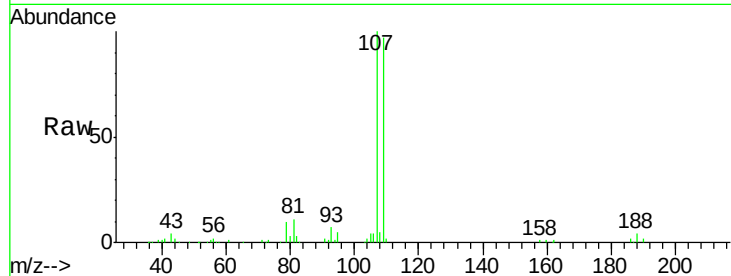
107 100

109 93.3 76.9 115.3

Manual Integrations
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sam

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#62

4-Bromofluorobenzene

Concen: 46.633 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

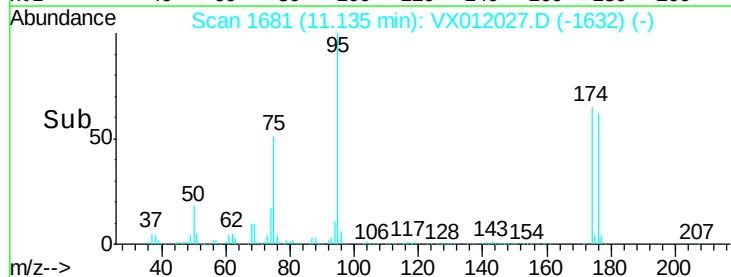
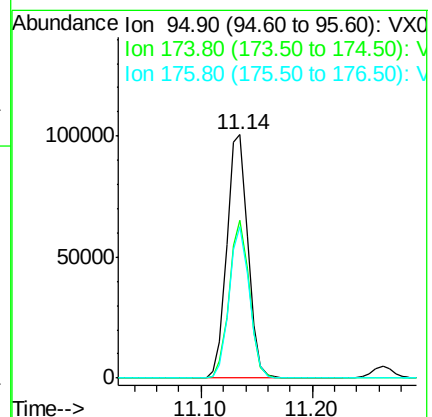
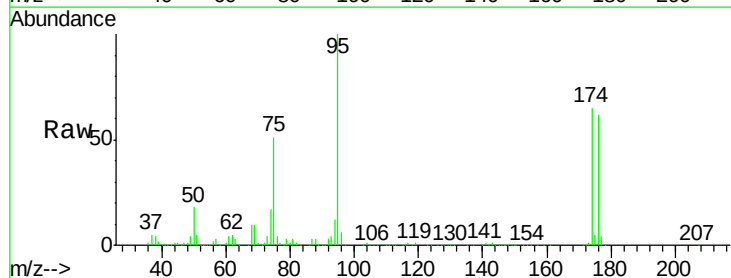
Tgt Ion: 95 Resp: 131404

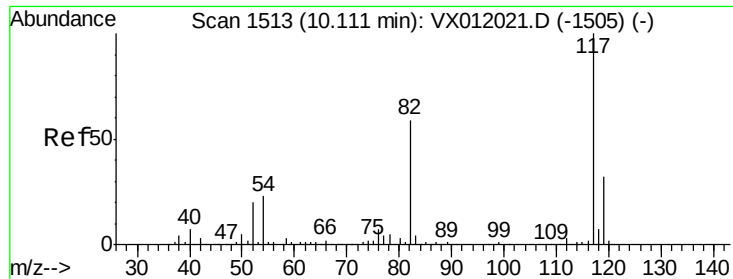
Ion Ratio Lower Upper

95 100

174 62.1 0.0 205.4

176 59.8 0.0 201.8





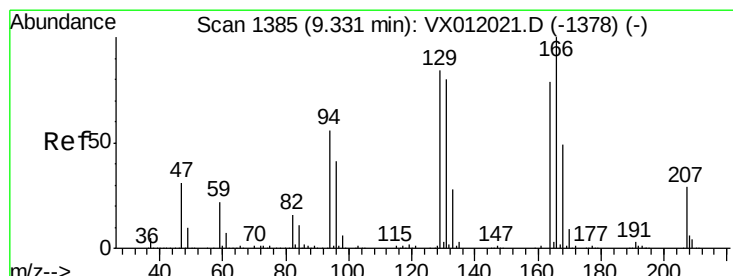
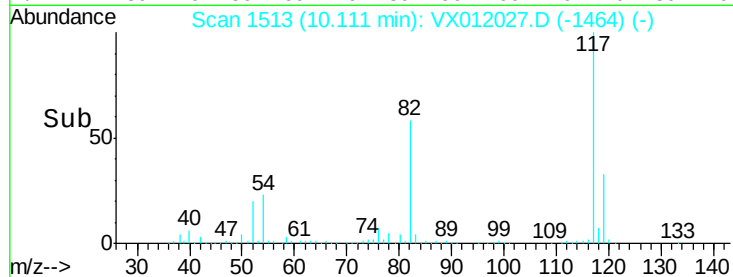
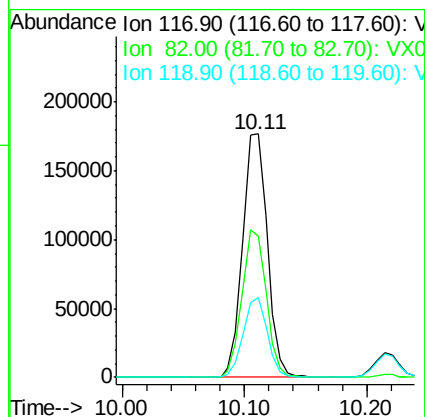
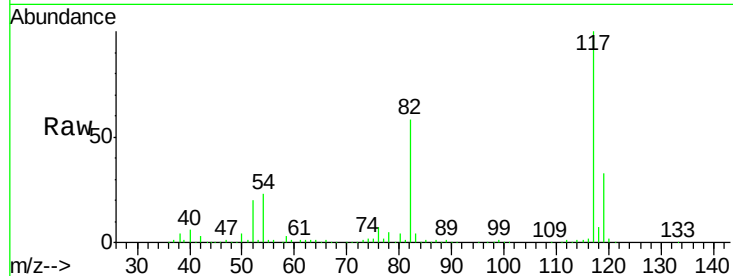
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	247650		
82	58.1	39.4	59.0	
119	33.0	26.1	39.1	

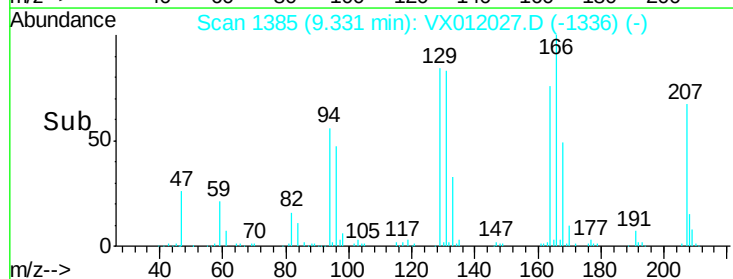
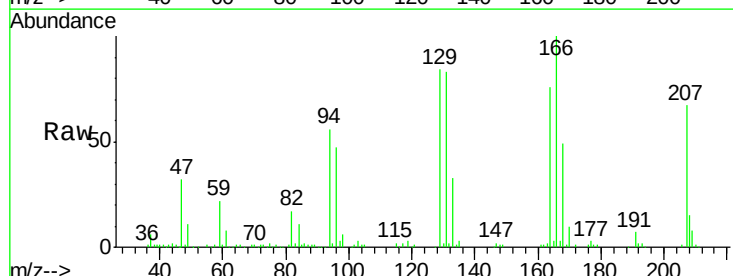
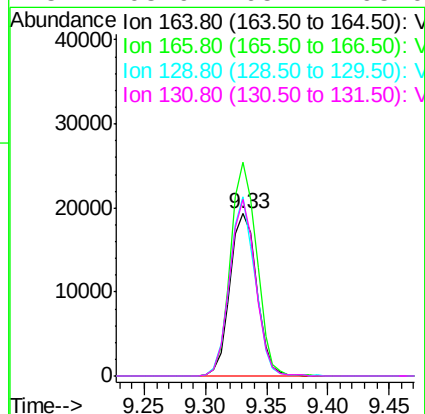
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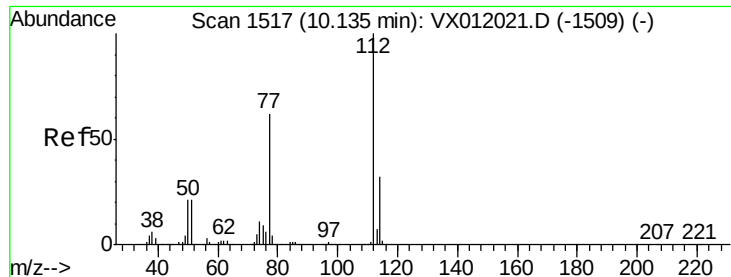
sam
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#64
Tetrachloroethene
Concen: 18.989 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29318		
166	131.5	104.3	156.5	
129	110.1	68.3	102.5#	
131	108.9	65.4	98.0#	





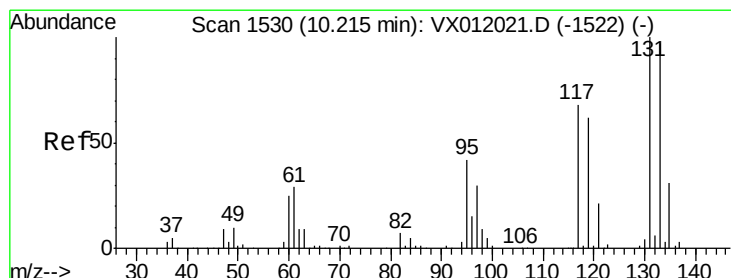
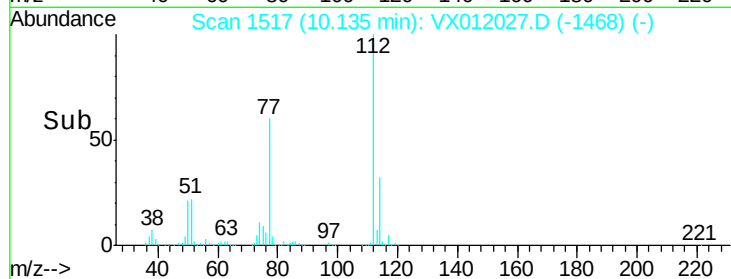
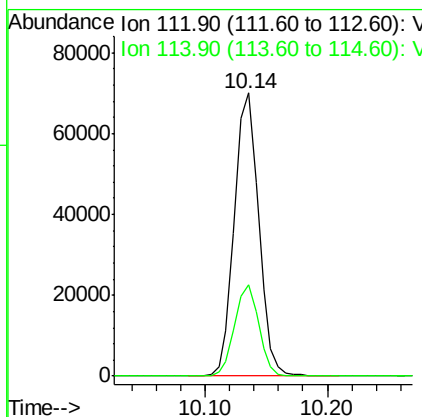
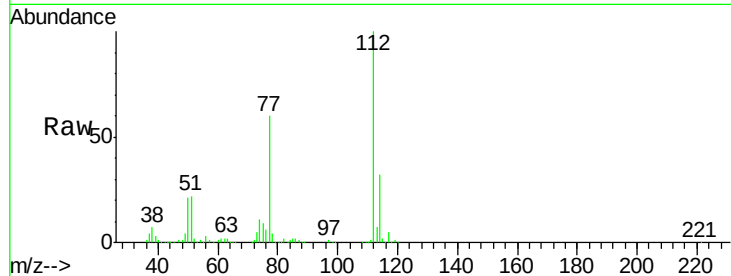
#65
Chlorobenzene
Concen: 19.702 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBSD01

Tot Ion:112 Resp: 96272
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.2

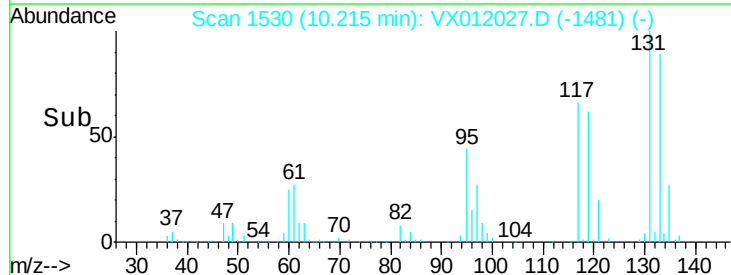
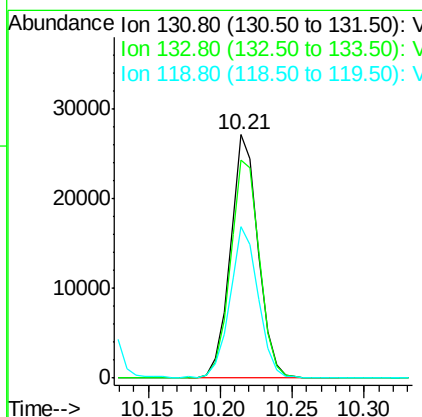
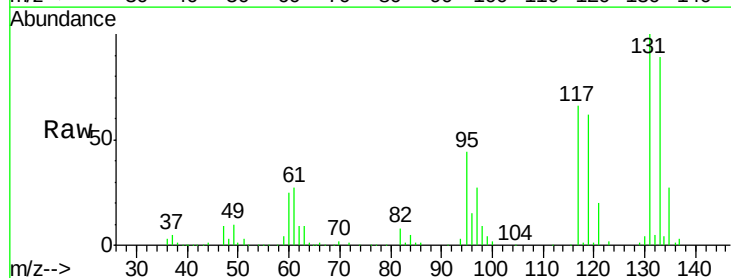
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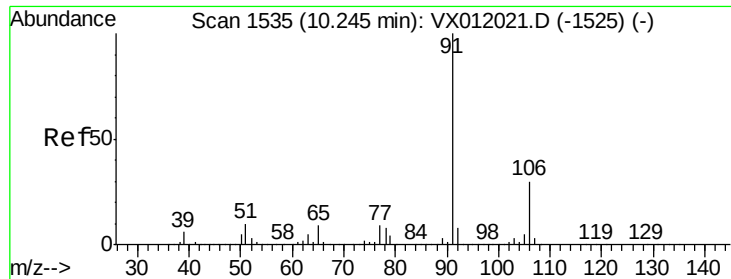
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.471 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion:131 Resp: 36574
Ion Ratio Lower Upper
131 100
133 93.1 48.4 145.0
119 63.3 30.5 91.5





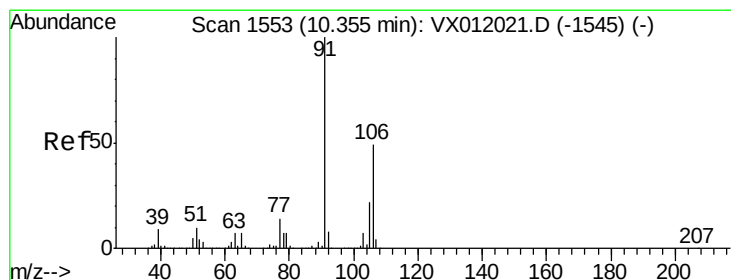
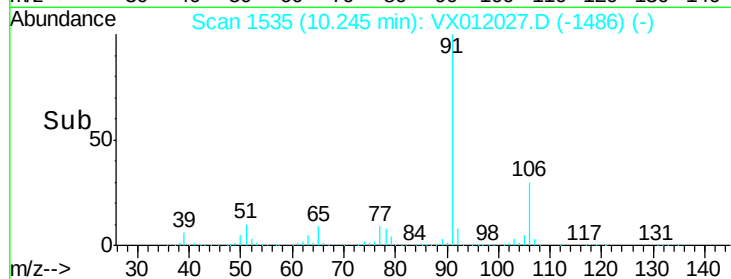
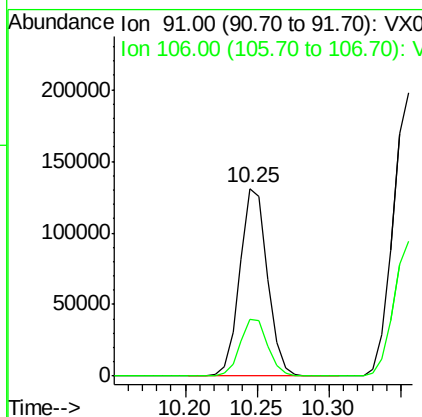
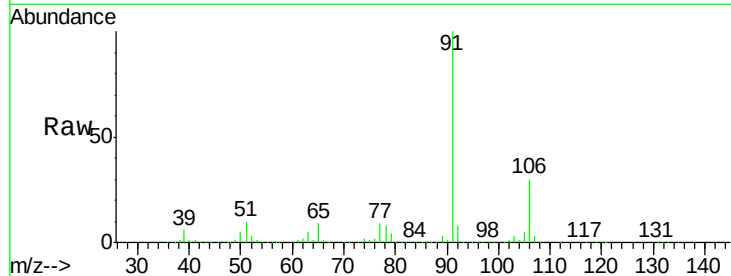
#67
Ethyl Benzene
Concen: 19.562 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampled :
VX0903SBS01

Tot Ion: 91 Resp: 174231
Ion Ratio Lower Upper
91 100
106 30.1 25.8 38.8

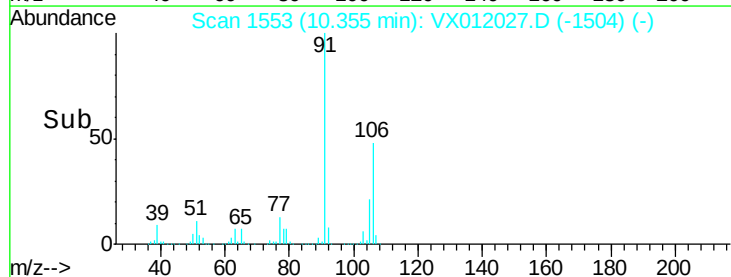
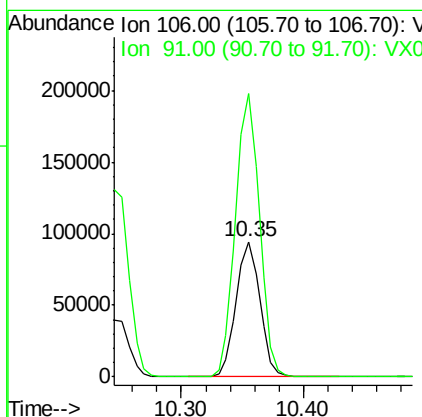
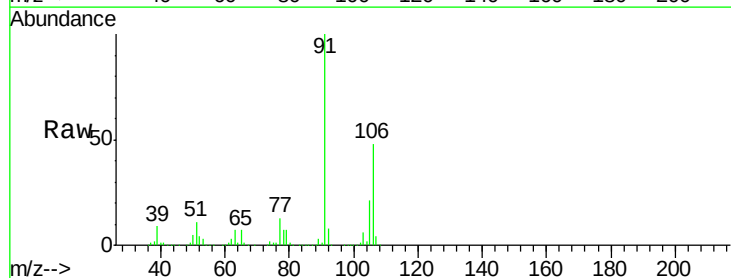
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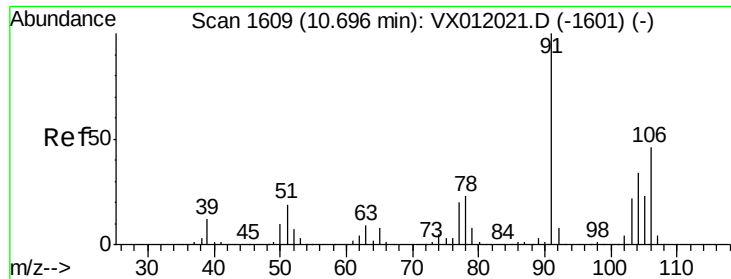
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#68
m/p-Xylenes
Concen: 38.835 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion: 106 Resp: 127442
Ion Ratio Lower Upper
106 100
91 211.0 157.5 236.3





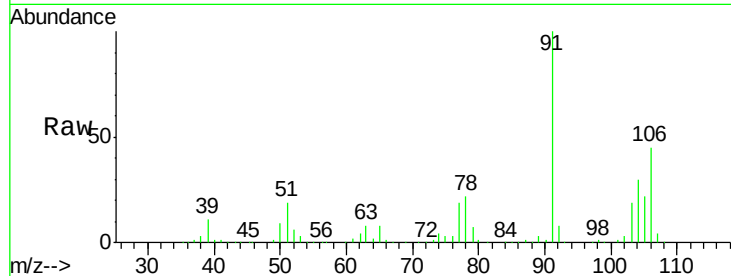
#69
o-Xylene
Concen: 19.493 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBS01

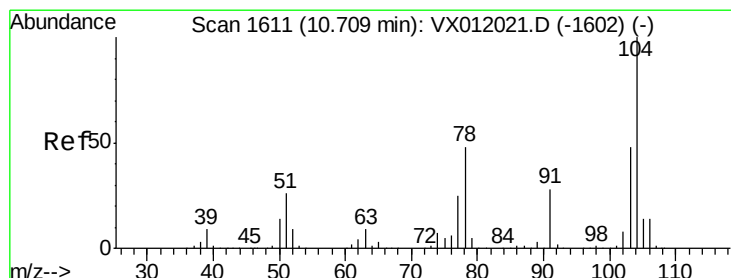
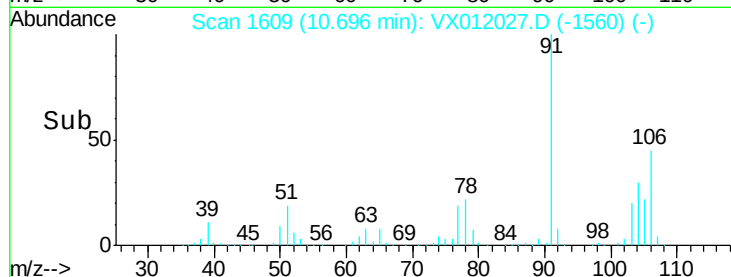
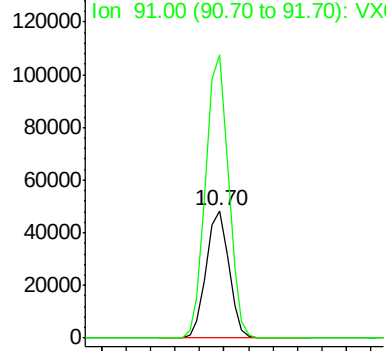
Tot Ion:106 Resp: 62028
Ion Ratio Lower Upper
106 100
91 223.4 103.5 310.3

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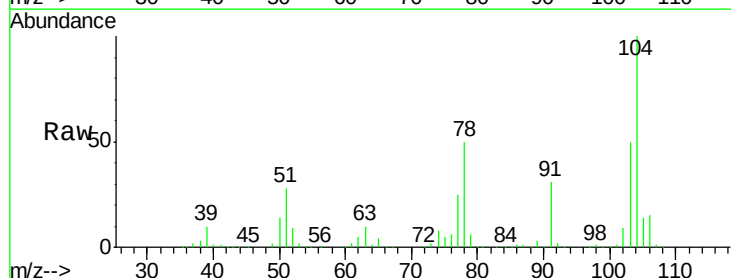


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

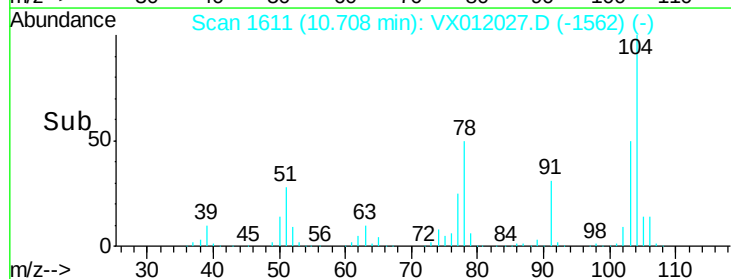
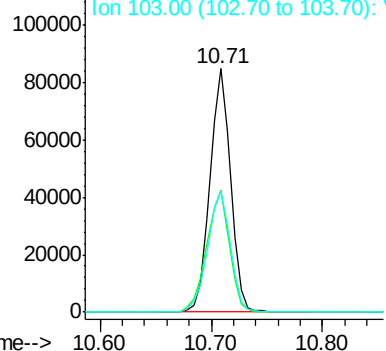


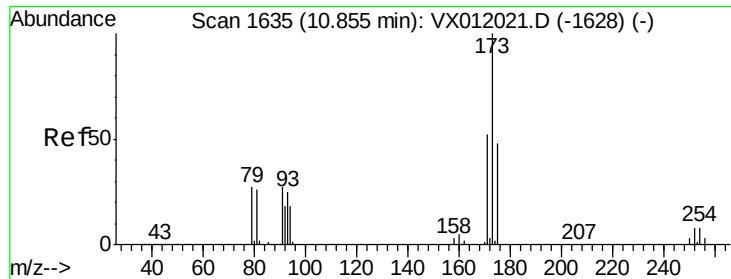
#70
Styrene
Concen: 19.720 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion:104 Resp: 108997
Ion Ratio Lower Upper
104 100
78 55.7 39.1 58.7
103 54.6 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: 19.581 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

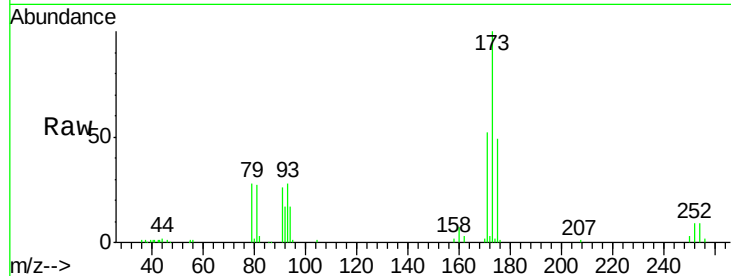
ClientSampled :

VX0903SBS01

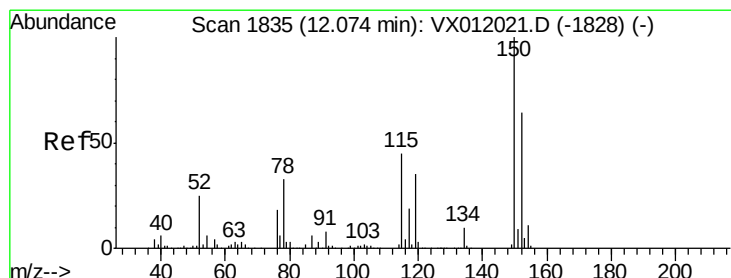
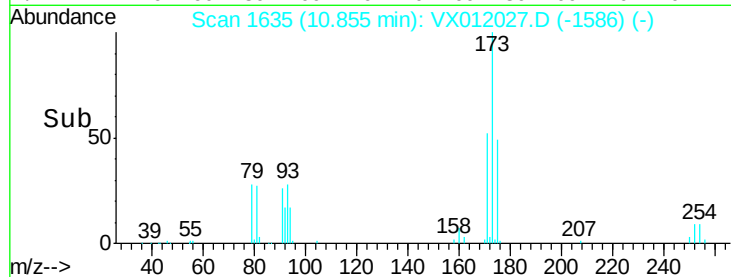
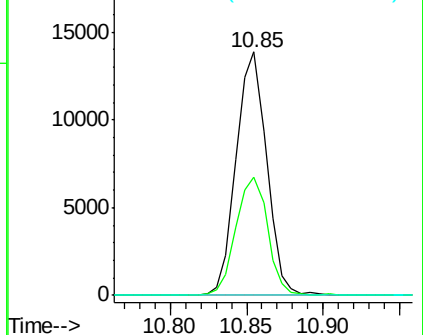
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.9	74.7
254	0.0	0.1	0.1

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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

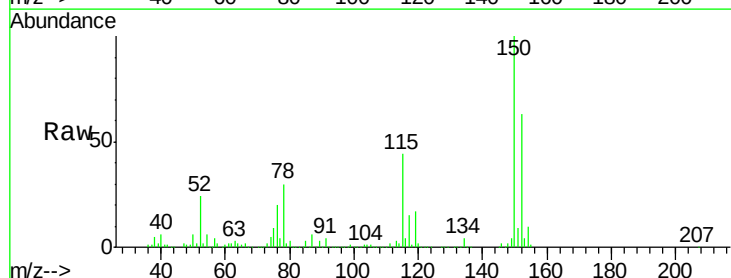
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

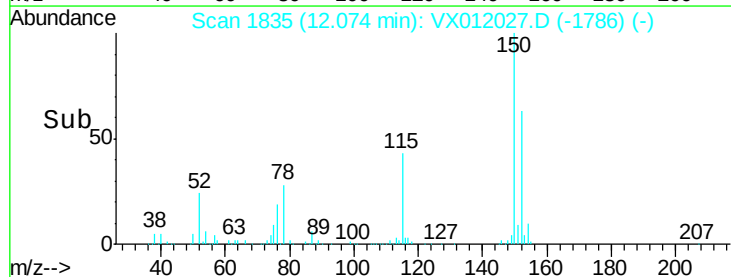
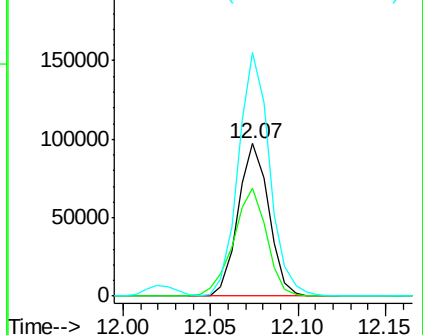
Lab File: VX012027.D

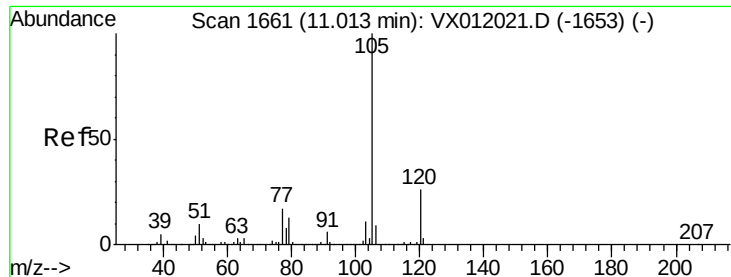
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.8	36.4	109.3
150	163.2	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: 19.537 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 105 Resp: 169749

Ion Ratio Lower Upper

105 100

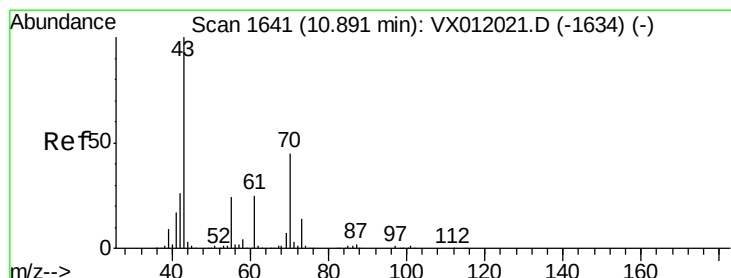
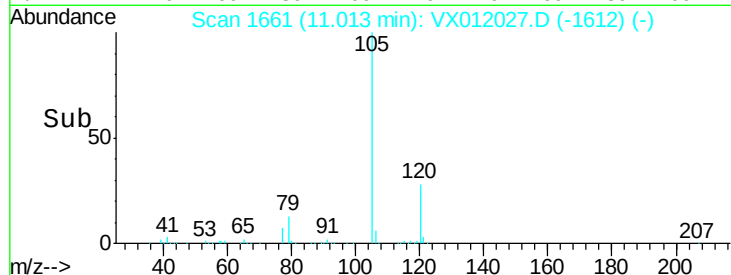
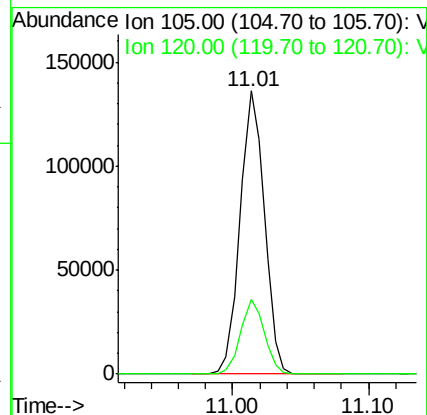
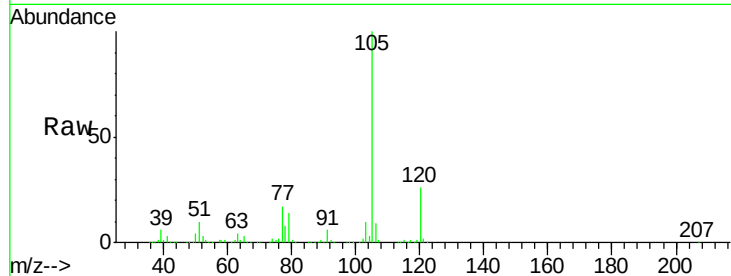
120 25.6 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.482 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion: 43 Resp: 52617

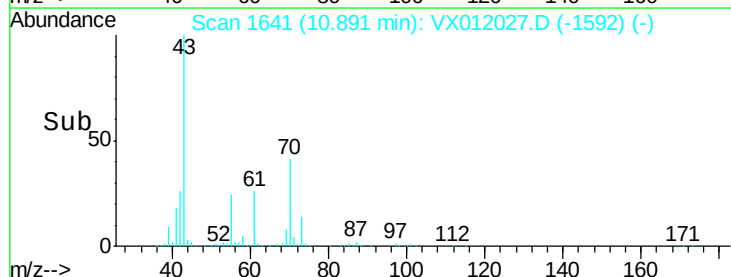
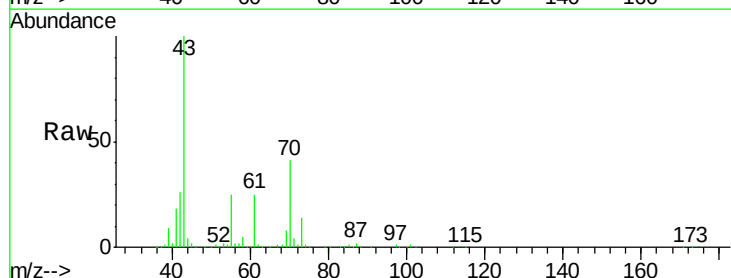
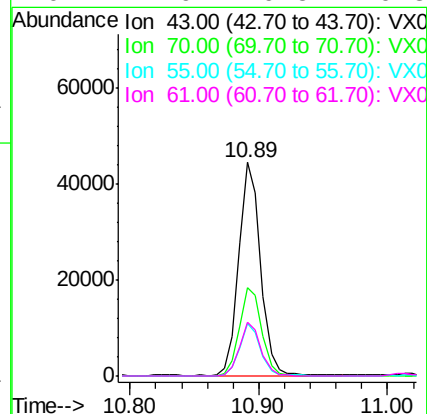
Ion Ratio Lower Upper

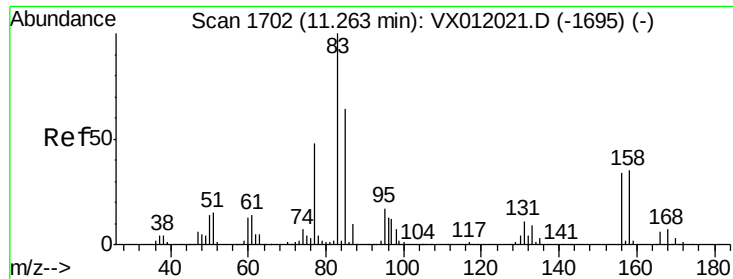
43 100

70 42.6 34.4 51.6

55 23.9 18.5 27.7

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.577 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

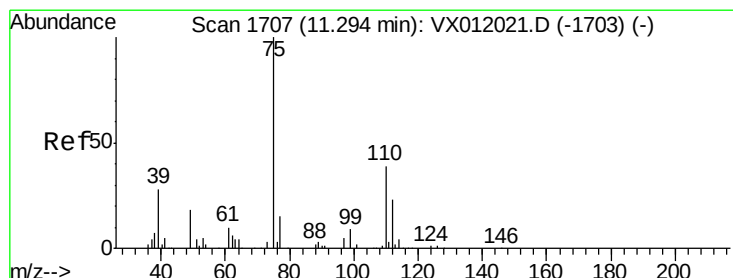
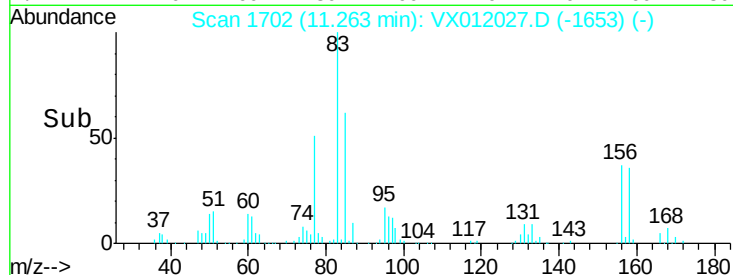
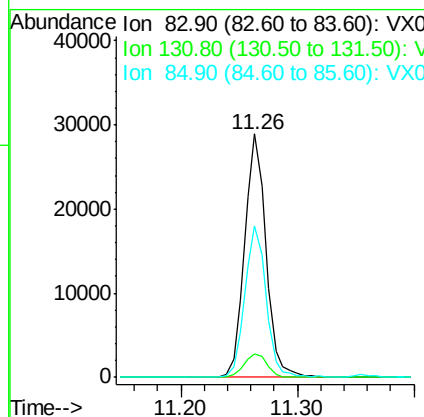
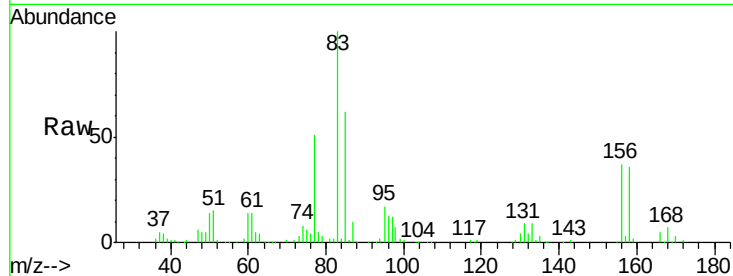
ClientSampleId :

VX0903SBS01

Tot Ion:	83	Resp:	37271
Ion Ratio	Lower	Upper	
83	100		
131	10.4	6.3	19.1
85	62.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.227 ug/l m

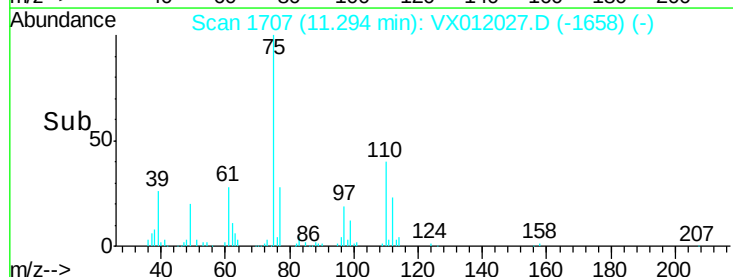
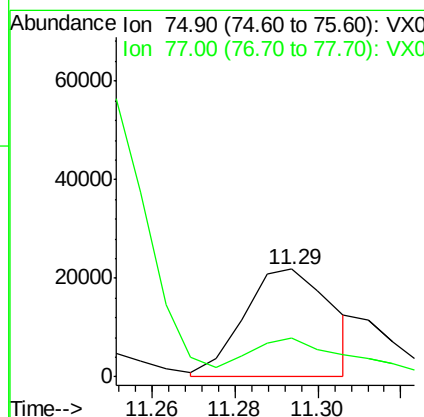
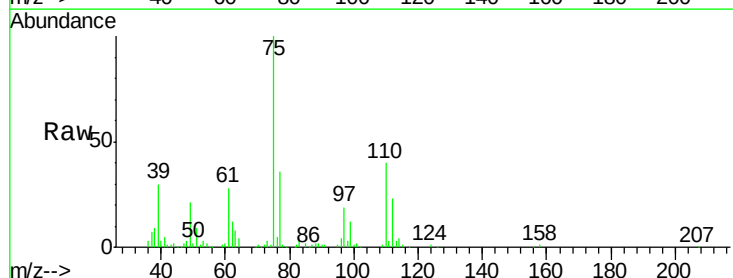
RT: 11.29 min Scan# 1707

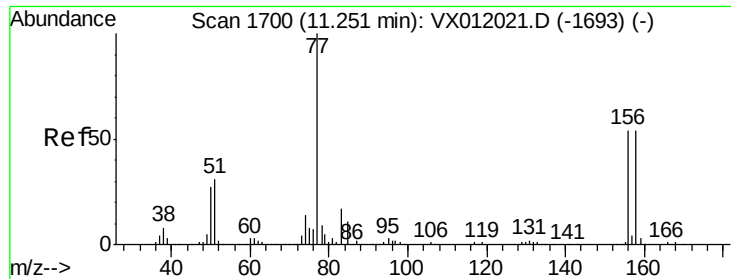
Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	75	Resp:	32160
Ion Ratio	Lower	Upper	
75	100		
77	41.8	23.5	70.5





#77

Bromobenzene

Concen: 19.942 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

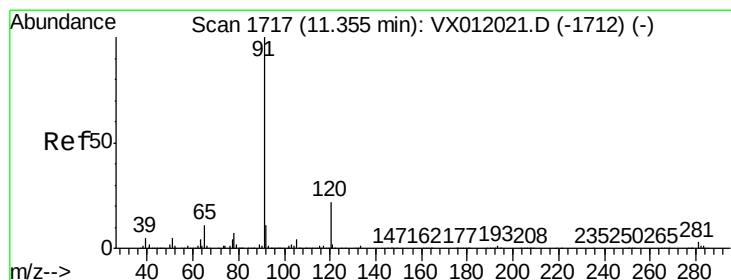
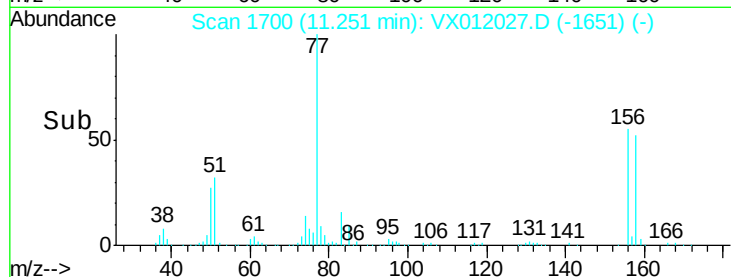
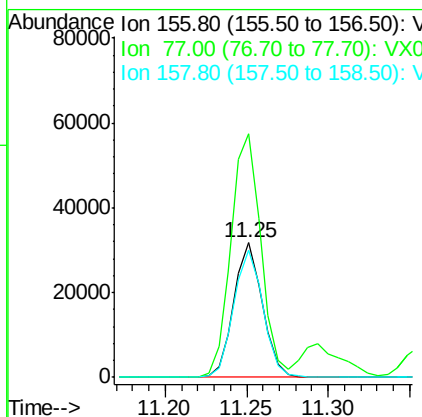
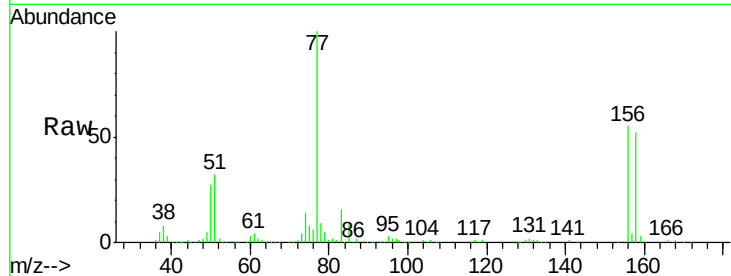
ClientSampleId :

VX0903SBS01

Tot Ion:	156	Resp:	38752
Ion	Ratio	Lower	Upper
156	100		
77	189.1	63.4	190.2
158	97.2	48.9	146.6

Manual Integrations
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sam
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#78

n-propylbenzene

Concen: 19.192 ug/l

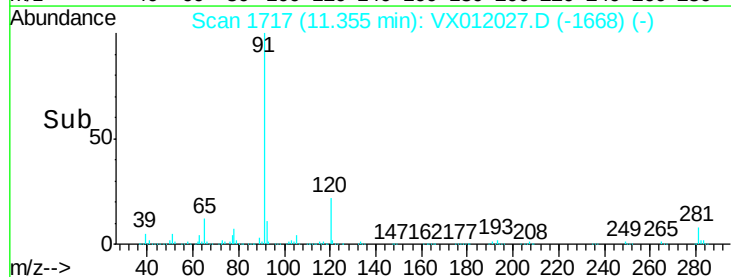
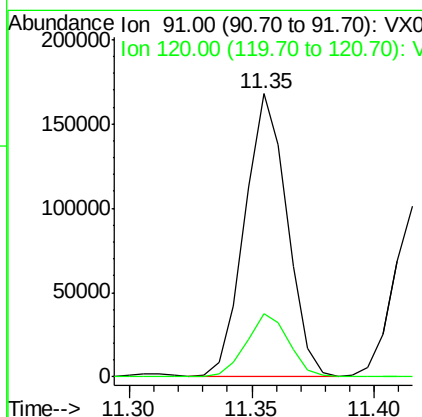
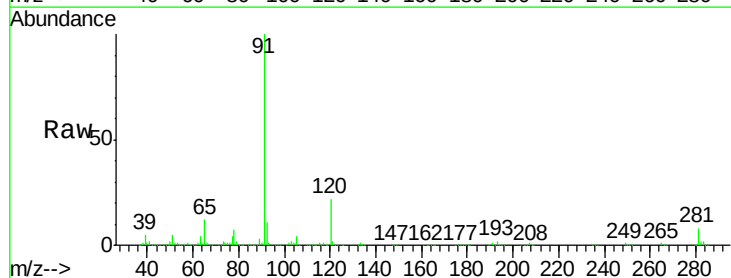
RT: 11.35 min Scan# 1717

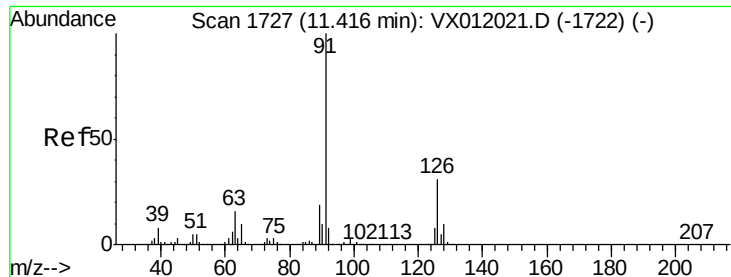
Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	91	Resp:	201453
Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.441 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion: 91 Resp: 123631

Ion Ratio Lower Upper

91 100

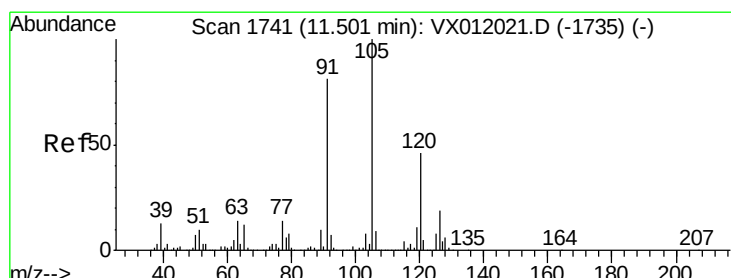
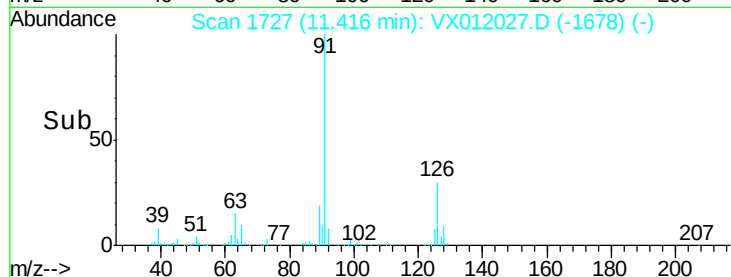
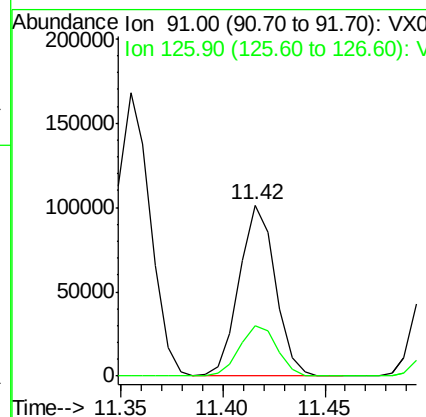
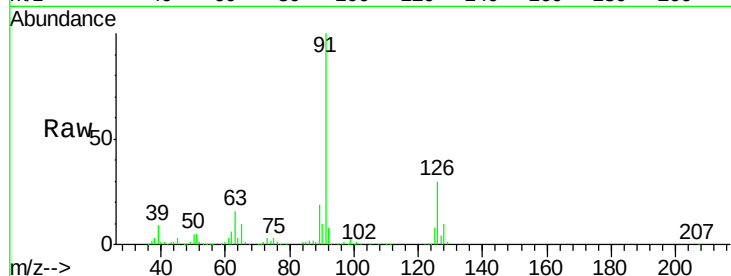
126 30.9 18.6 55.8

Manual Integrations

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sam

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#80

1,3,5-Trimethylbenzene

Concen: 19.443 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012027.D

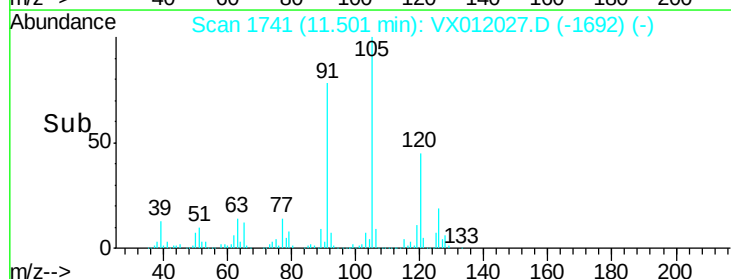
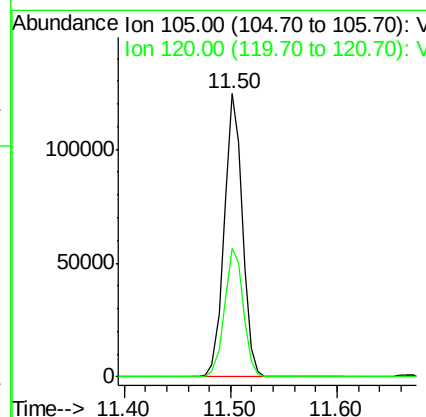
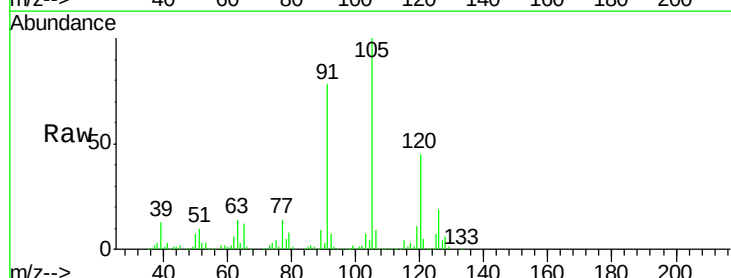
Acq: 03 Sep 2019 17:33

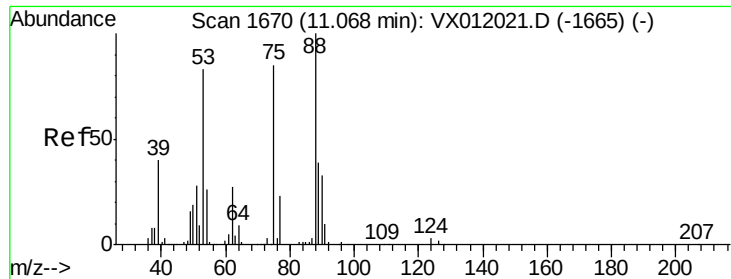
Tgt Ion: 105 Resp: 148038

Ion Ratio Lower Upper

105 100

120 46.7 25.8 77.3





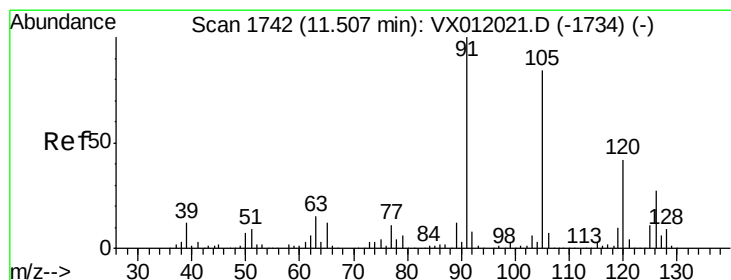
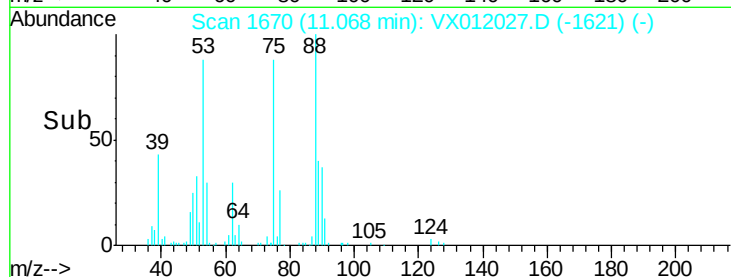
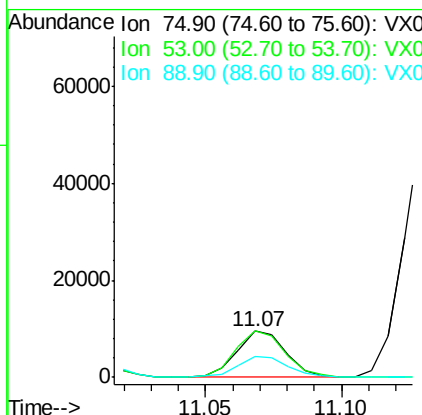
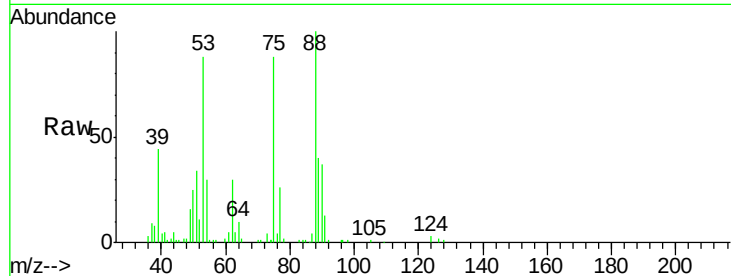
#81
trans-1,4-Dichloro-2-butene
Concen: 19.575 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampleId :
VX0903SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.3	78.6	117.8
89	46.8	38.8	58.2

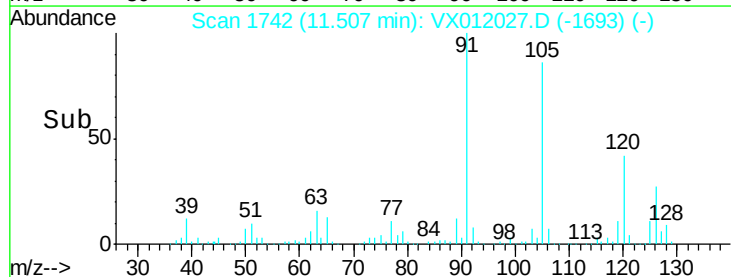
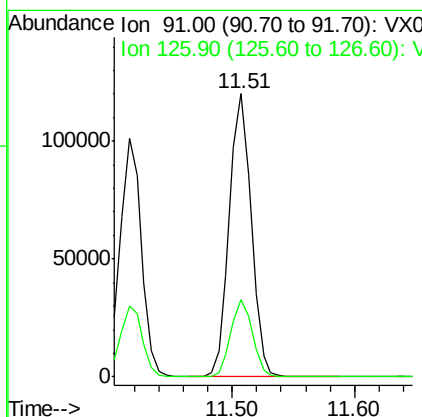
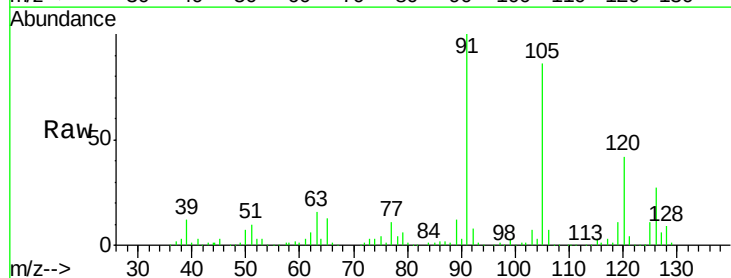
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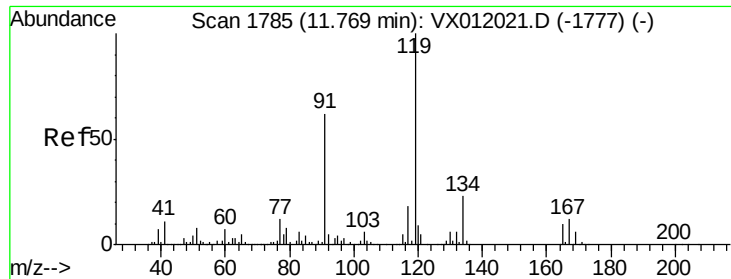
sam
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#82
4-Chlorotoluene
Concen: 19.545 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	16.2	48.6





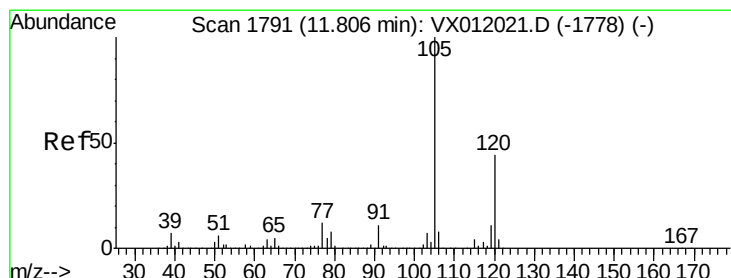
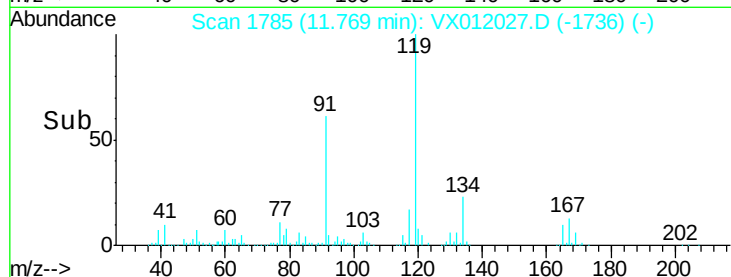
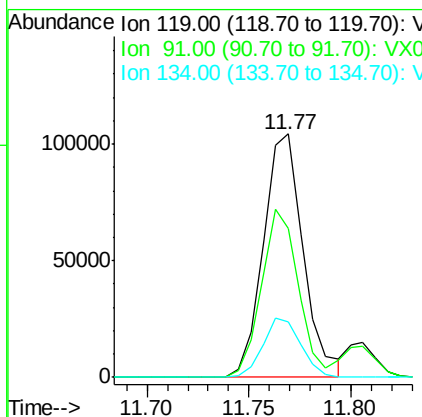
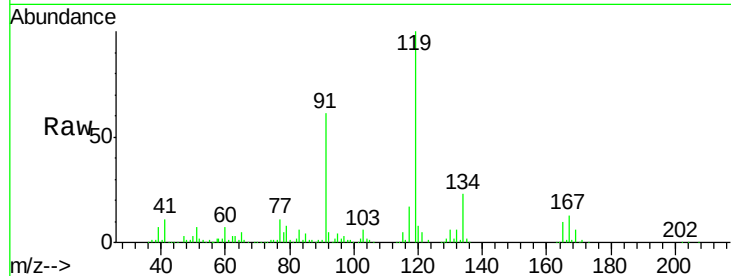
#83
 tert-Butylbenzene
 Concen: 19.621 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142395		
91	63.8	27.1	81.2	
134	23.1	12.1	36.3	

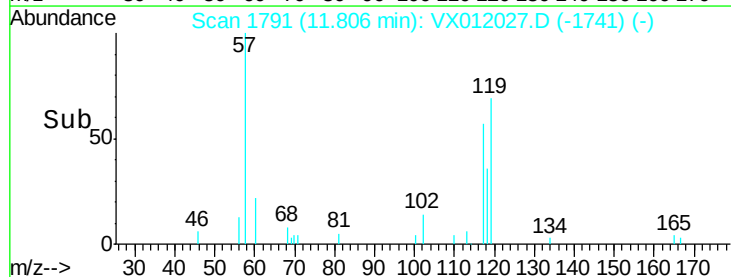
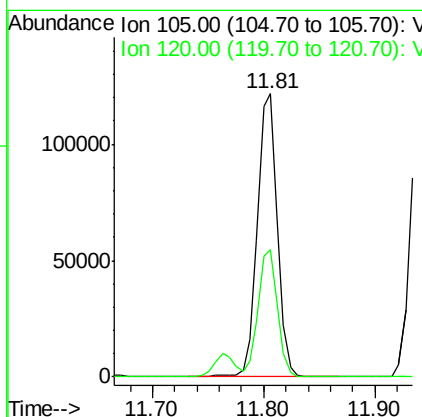
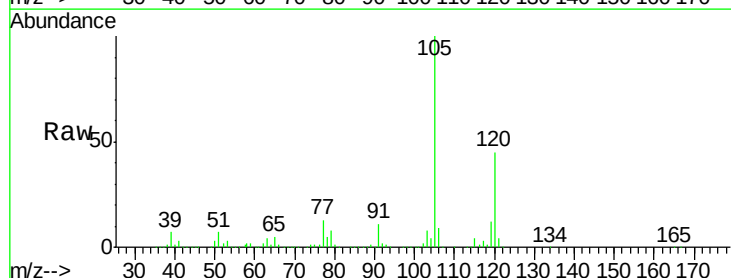
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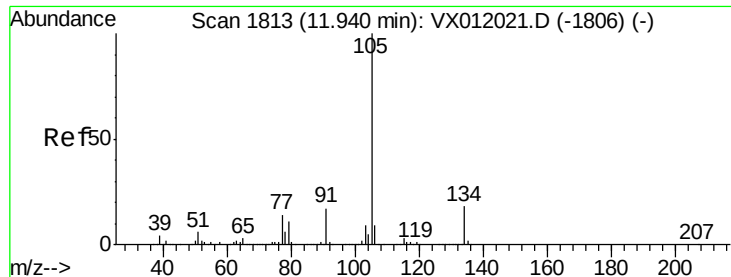
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.490 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	152524		
120	43.5	23.6	70.8	





#85

sec-Butylbenzene

Concen: 19.544 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

ClientSampleId :

VX0903SBS01

Tot Ion:105 Resp: 176170

Ion Ratio Lower Upper

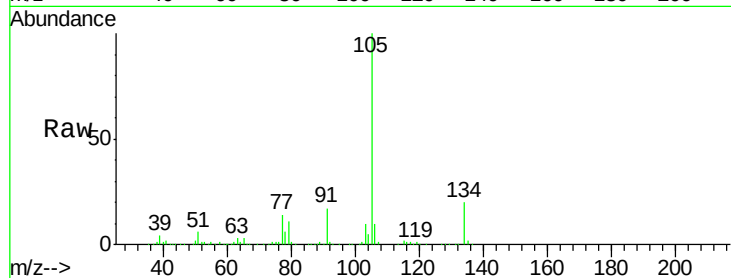
105 100

134 19.1 11.2 33.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

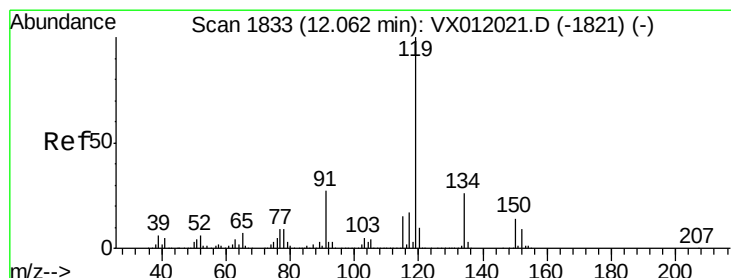
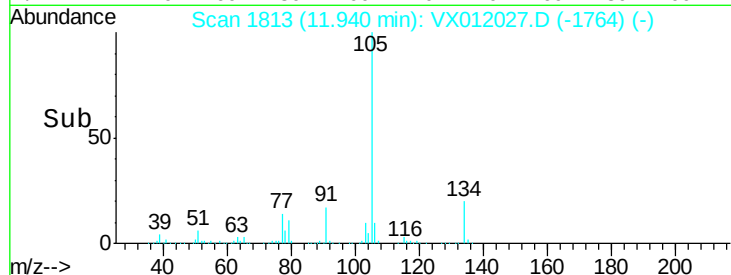
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.396 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

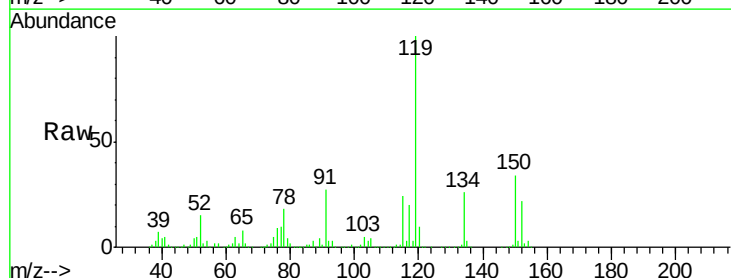
Tgt Ion:119 Resp: 158999

Ion Ratio Lower Upper

119 100

134 25.0 13.7 41.1

91 26.9 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

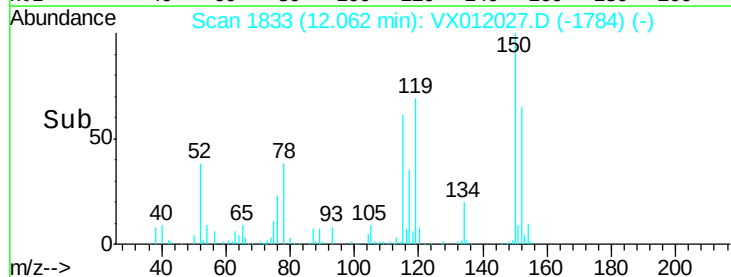
150000

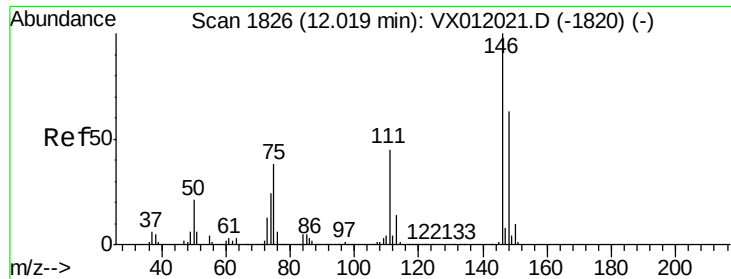
100000

50000

0

Time-->





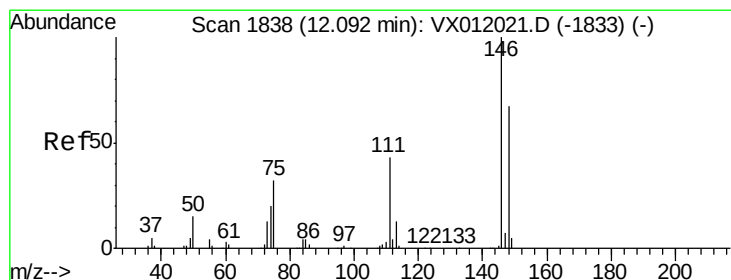
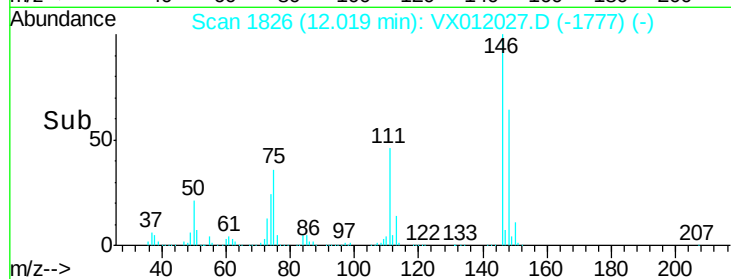
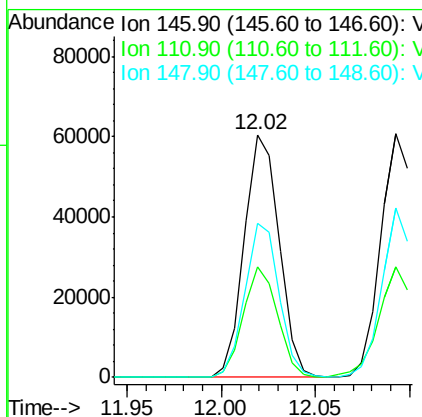
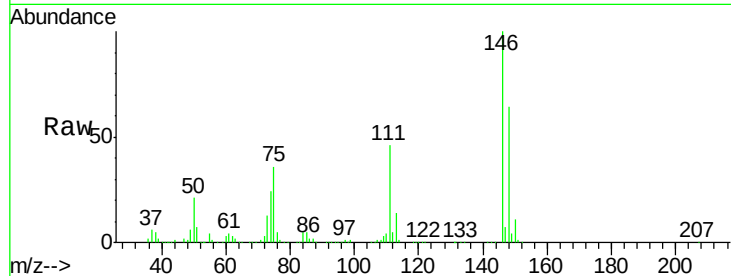
#87
 1,3-Dichlorobenzene
 Concen: 20.005 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	18.1	54.1
148	62.3	32.6	97.8

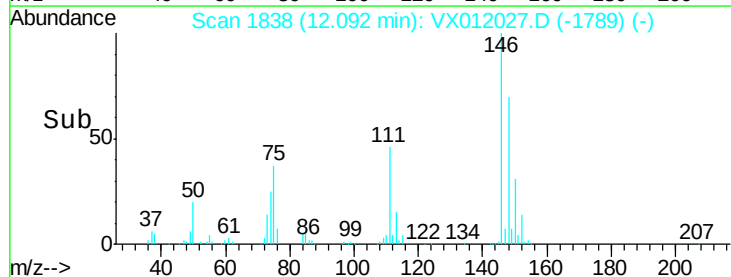
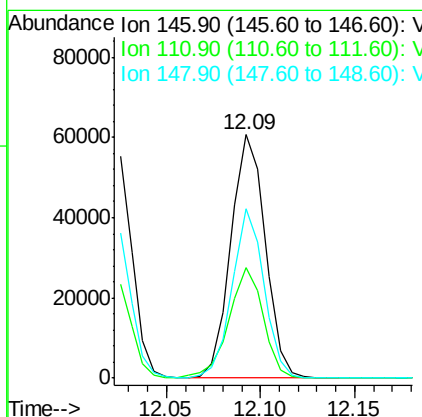
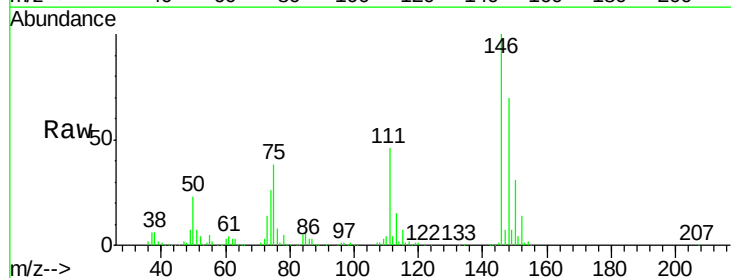
Manual Integrations
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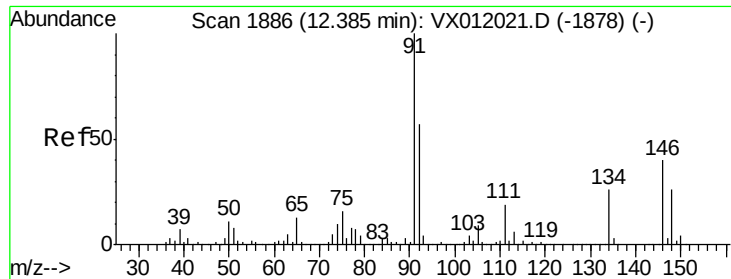
sam
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#88
 1,4-Dichlorobenzene
 Concen: 19.714 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	17.7	53.1
148	65.1	32.4	97.0





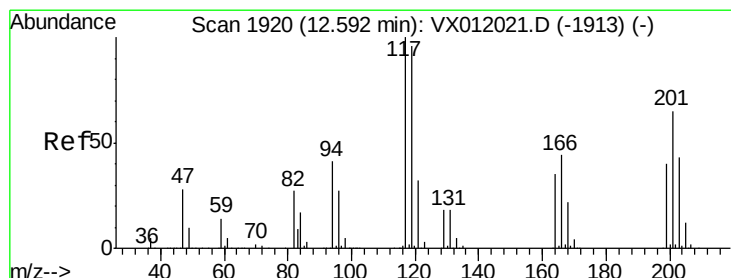
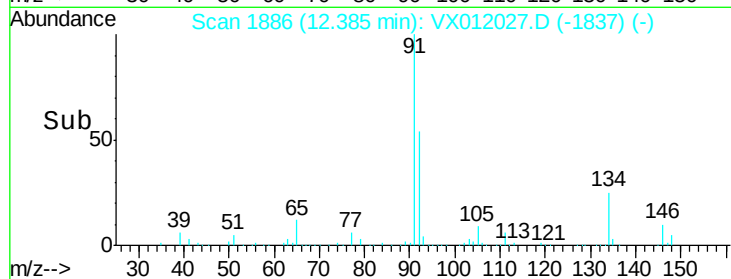
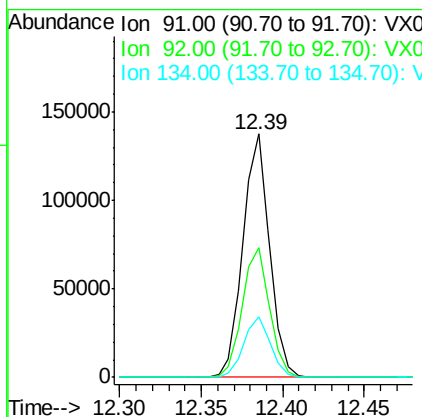
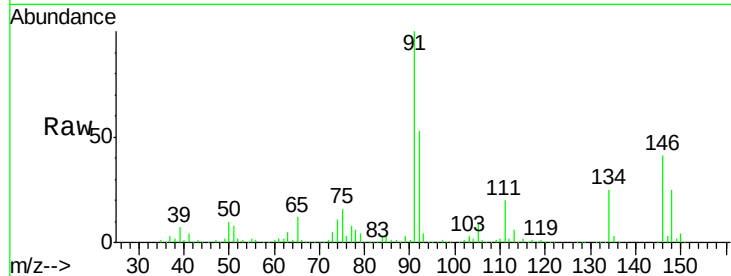
#89
n-Butylbenzene
Concen: 19.674 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Instrument :
MSVOA_X
ClientSampled :
VX0903SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	156666		
92	54.6		27.6	82.8
134	25.0		15.4	46.1

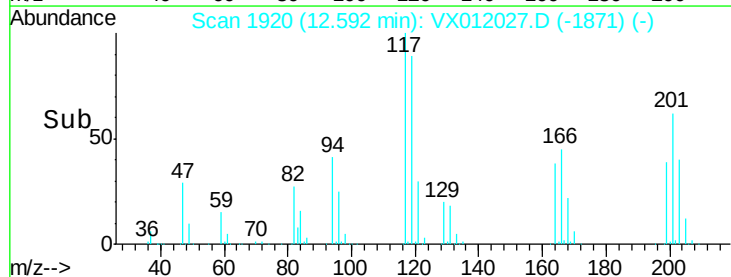
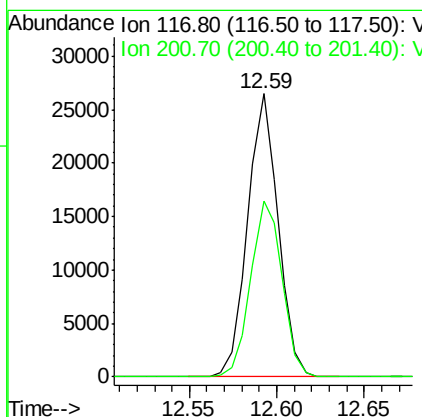
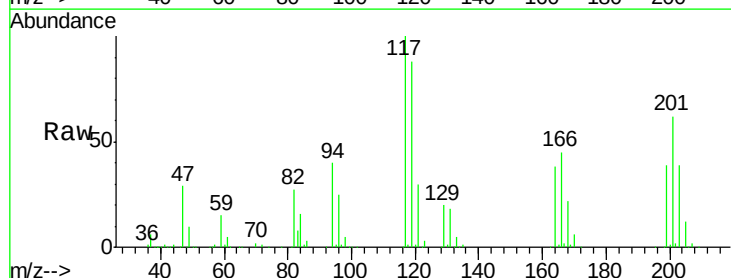
Manual Integrations
APPROVED

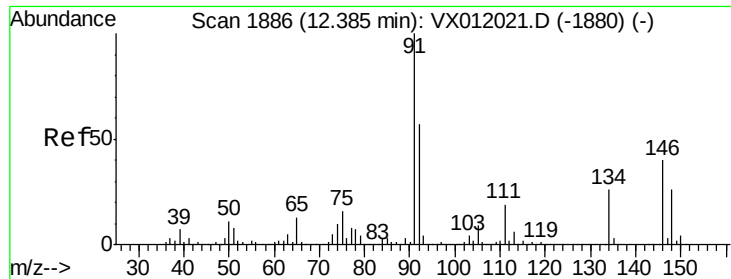
sam
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#90
Hexachloroethane
Concen: 19.728 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012027.D
Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32291		
201	64.2		55.0	165.2





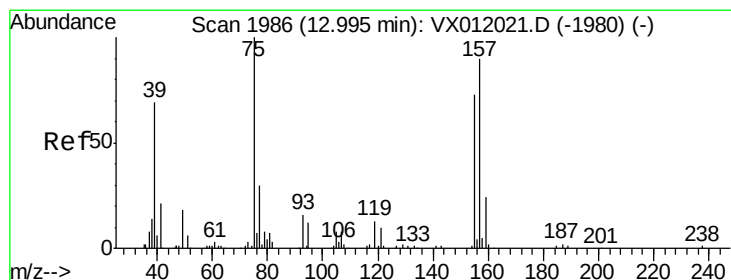
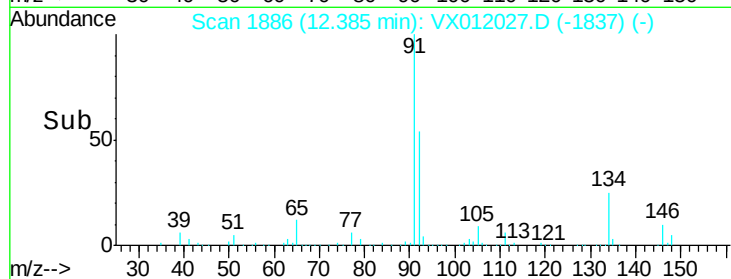
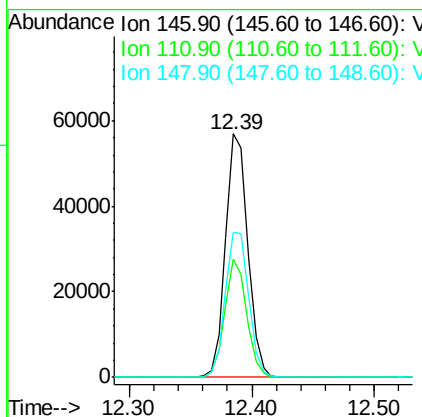
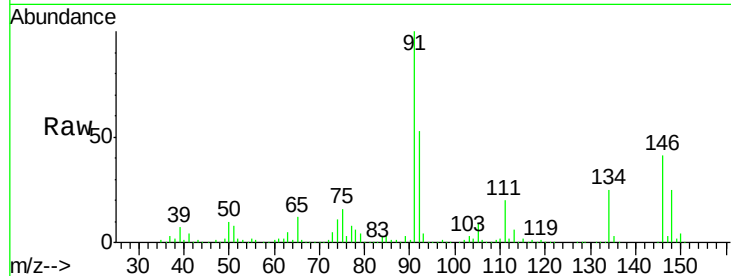
#91
 1,2-Dichlorobenzene
 Concen: 20.447 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampled :
 VX0903SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	18.6	56.0
148	62.7	32.4	97.2

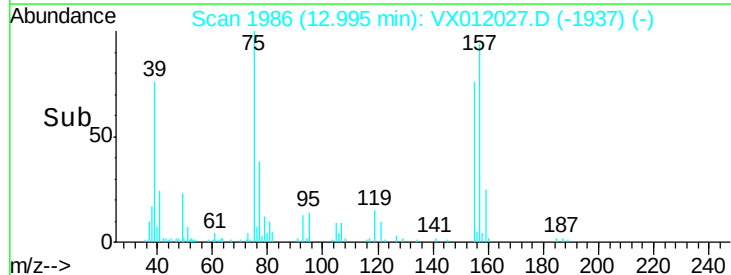
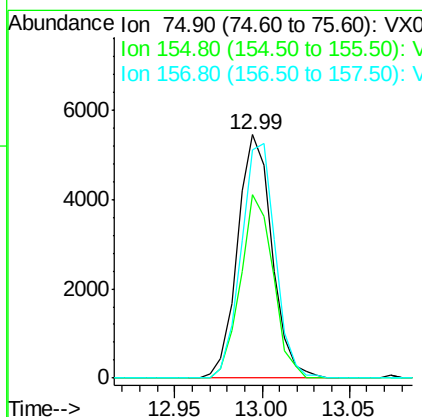
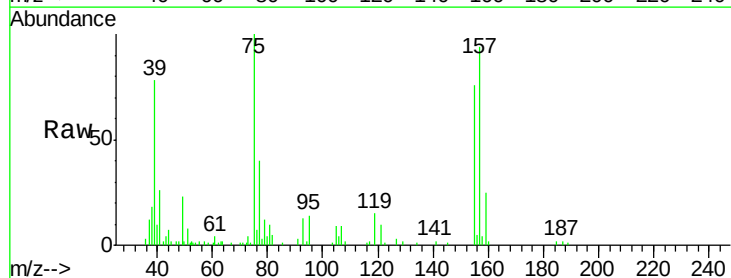
Manual Integrations
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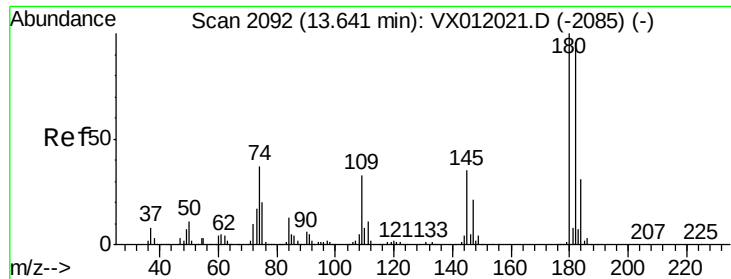
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.663 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	51.7	155.2
157	95.3	66.9	200.7





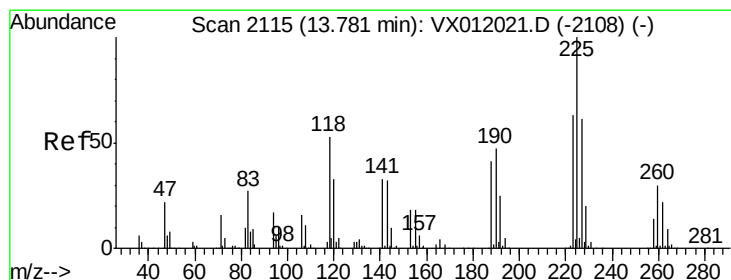
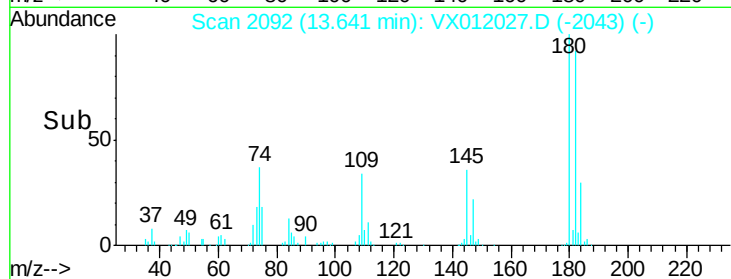
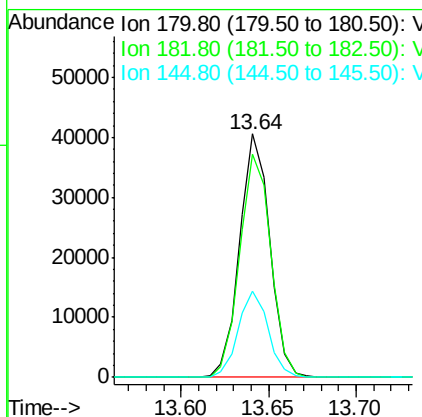
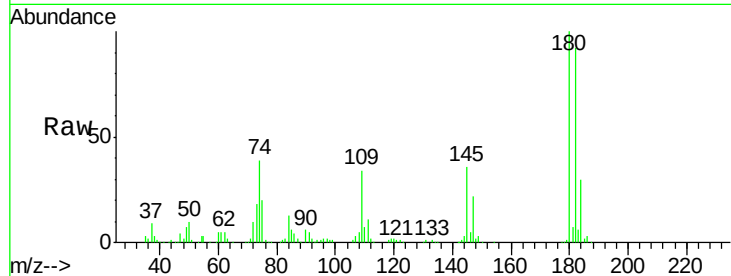
#93
 1,2,4-Trichlorobenzene
 Concen: 19.507 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0903SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48690		
182	94.4	47.3	142.0	
145	35.4	13.7	41.0	

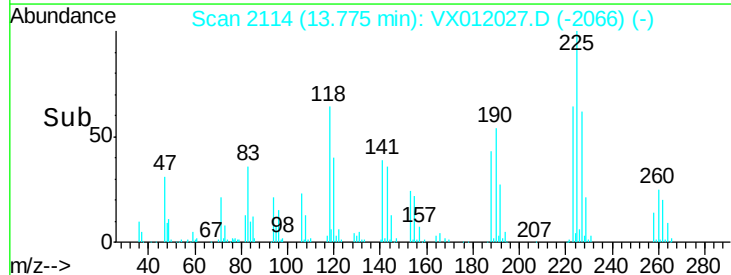
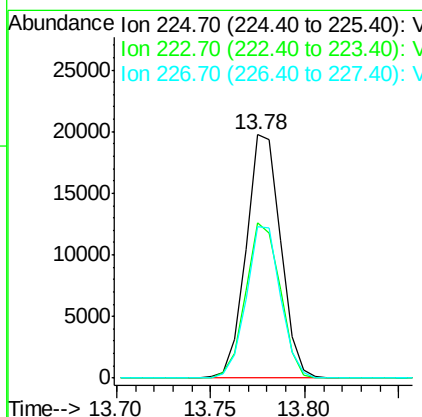
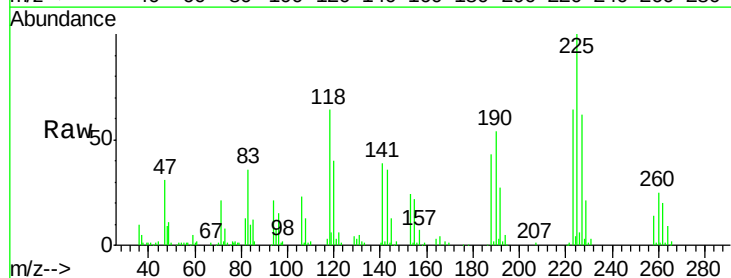
Manual Integrations
 APPROVED

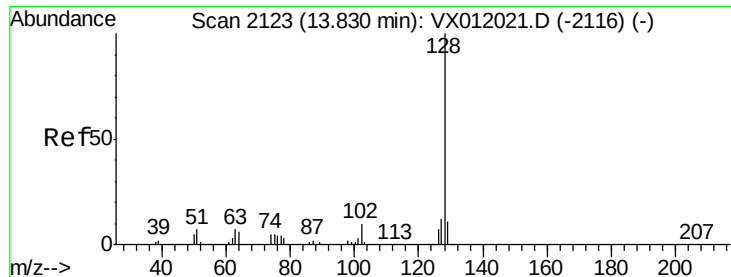
sam
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#94
 Hexachlorobutadiene
 Concen: 19.876 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012027.D
 Acq: 03 Sep 2019 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25008		
223	63.6	31.6	95.0	
227	61.9	32.5	97.5	





#95

Naphthalene

Concen: 20.197 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Instrument :

MSVOA_X

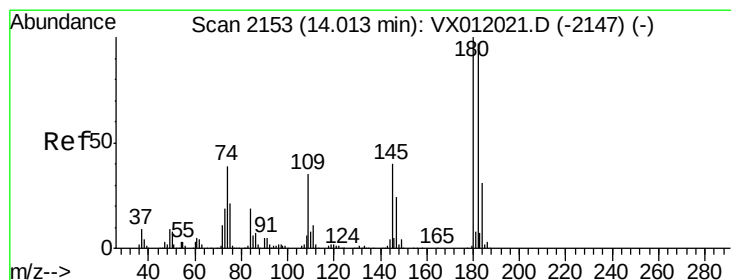
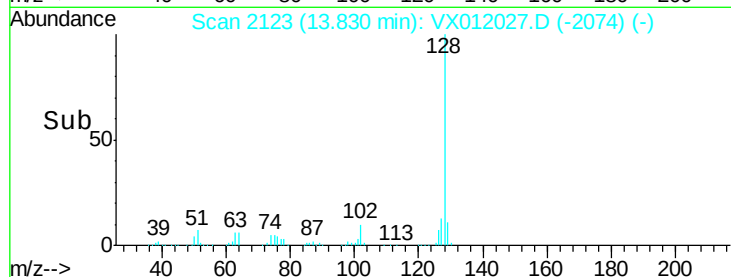
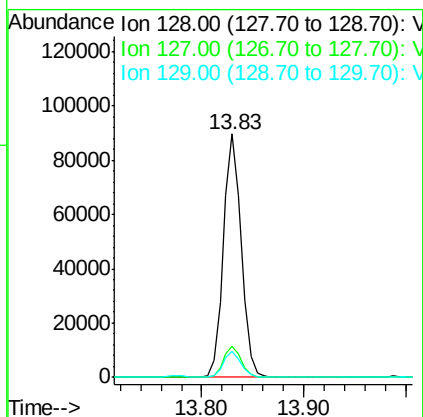
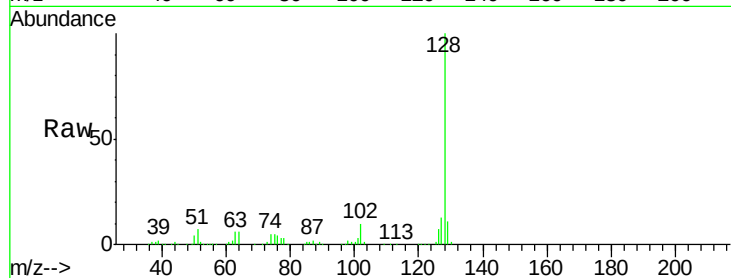
ClientSampleId :

VX0903SBS01

Tot Ion:	128	Resp:	109105
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

sam
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#96

1,2,3-Trichlorobenzene

Concen: 19.730 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VX012027.D

Acq: 03 Sep 2019 17:33

Tgt Ion:	180	Resp:	43326
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.6
145	37.8	14.1	42.4

