

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
 Data File : VX026338.D
 Acq On : 05 Jan 2022 21:24
 Operator : JC/MD
 Sample : N1014-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

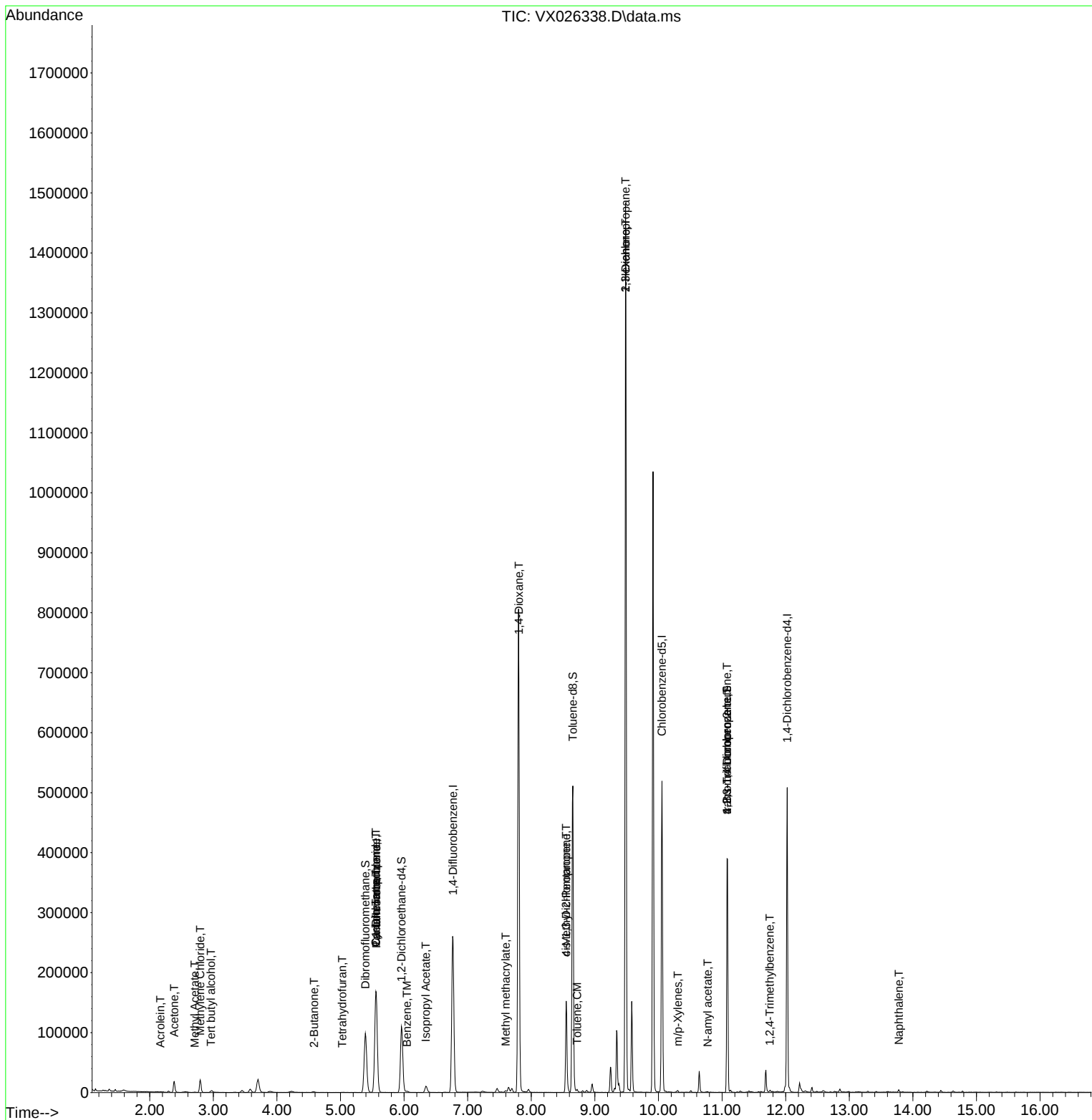
Quant Time: Jan 06 03:13:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	157286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	264026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109878	48.288	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.580%		
35) Dibromofluoromethane	5.391	113	85692	49.922	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.840%		
50) Toluene-d8	8.653	98	301275	47.186	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.380%		
62) 4-Bromofluorobenzene	11.079	95	111432	49.026	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.060%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	520	1.144	ug/l #	90
13) Acrolein	2.166	56	136	0.837	ug/l #	1
16) Acetone	2.386	43	20322	16.483	ug/l	100
18) Methyl Acetate	2.709	43	941	0.235	ug/l #	78
20) Methylene Chloride	2.794	84	8867	3.621	ug/l	97
25) 2-Butanone	4.587	43	2524	1.470	ug/l #	80
29) Tetrahydrofuran	5.026	42	318	0.294	ug/l #	32
31) Cyclohexane	5.556	56	3452	1.065	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	12983	4.689	ug/l #	49
38) Carbon Tetrachloride	5.556	117	16462	5.345	ug/l #	14
40) Benzene	6.044	78	2268	0.287	ug/l	98
43) Isopropyl Acetate	6.342	43	14778	2.825	ug/l	98
48) Methyl methacrylate	7.598	41	4109	1.638	ug/l #	12
49) 1,4-Dioxane	7.806	88	63	1.362	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	53434	16.412	ug/l #	49
52) Toluene	8.720	92	1280	0.263	ug/l	87
54) cis-1,3-Dichloropropene	8.549	75	23976	7.438	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	12592	3.677	ug/l #	42
59) 2-Hexanone	9.482	43	181177	73.464	ug/l #	50
68) m/p-Xylenes	10.305	106	811	0.247	ug/l	95
74) N-amyl acetate	10.775	43	801	0.227	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	56609	23.733	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56609	68.660	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.750	105	1443	0.227	ug/l	86
95) Naphthalene	13.780	128	2595	0.340	ug/l	99

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

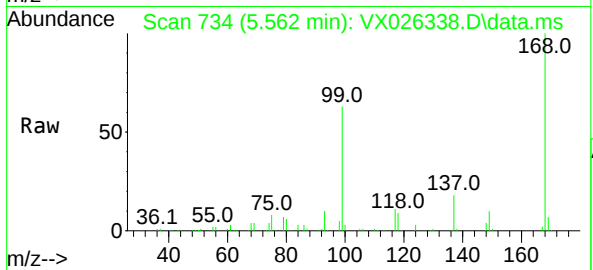
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



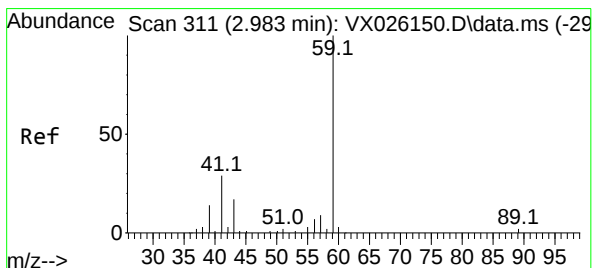
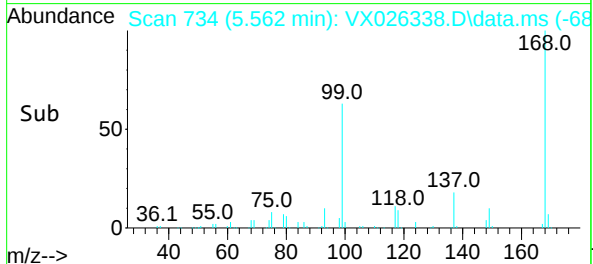
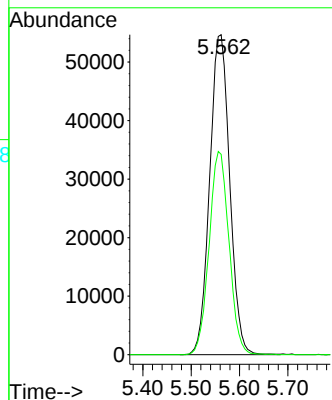


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Instrument :
MSVOA_X
ClientSampleId :

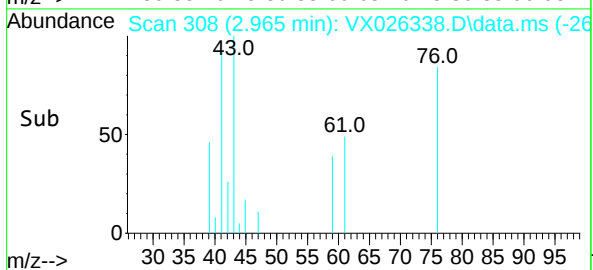
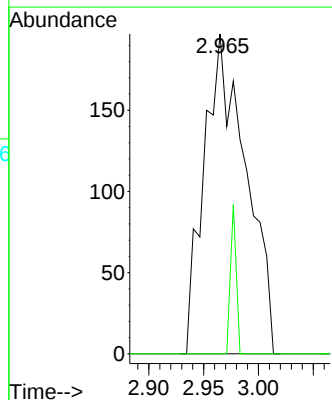
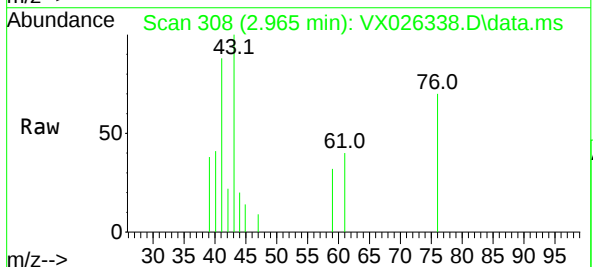


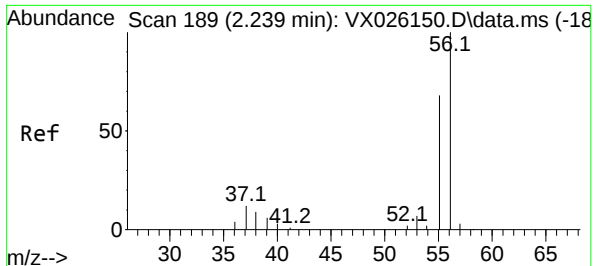
Tgt Ion:168 Resp: 157286
Ion Ratio Lower Upper
168 100
99 62.6 45.8 68.8



#11
Tert butyl alcohol
Concen: 1.144 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 59 Resp: 520
Ion Ratio Lower Upper
59 100
57 6.5 8.2 12.2#





#13

Acrolein

Concen: 0.837 ug/l

RT: 2.166 min Scan# 11

Delta R.T. -0.073 min

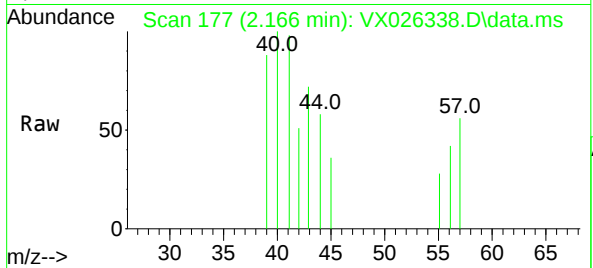
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Acq: 05 Jan 2022 21:24

Instrument :

MSVOA_X

ClientSampleId :

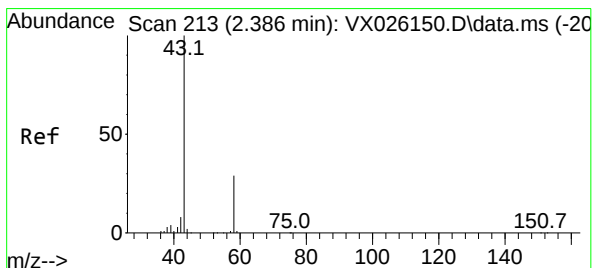
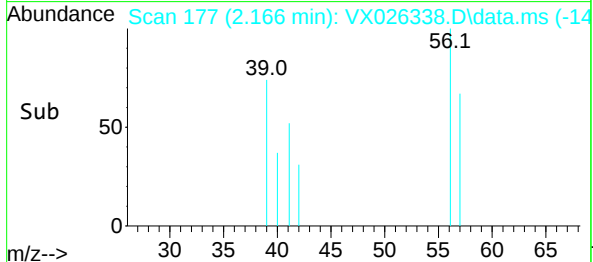
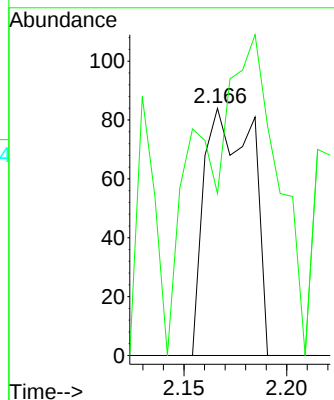


Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 201.5 57.4 86.2#



#16

Acetone

Concen: 16.483 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX026338.D

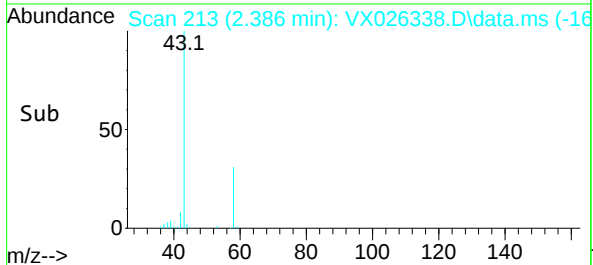
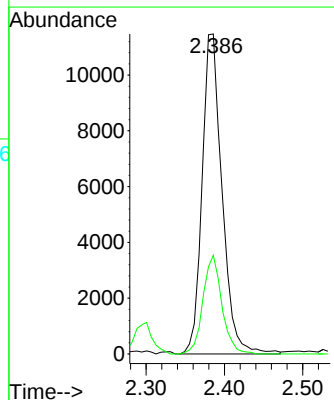
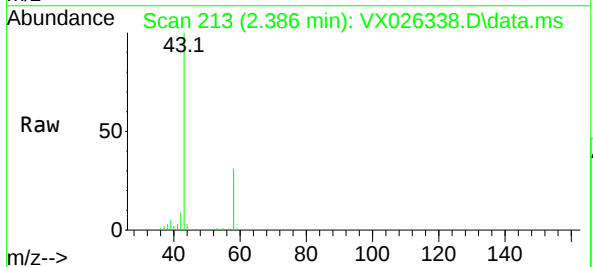
Acq: 05 Jan 2022 21:24

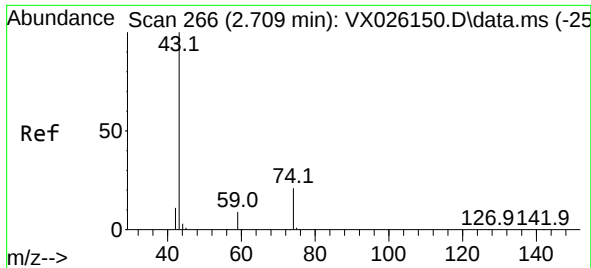
Tgt Ion: 43 Resp: 20322

Ion Ratio Lower Upper

43 100

58 30.9 24.8 37.2

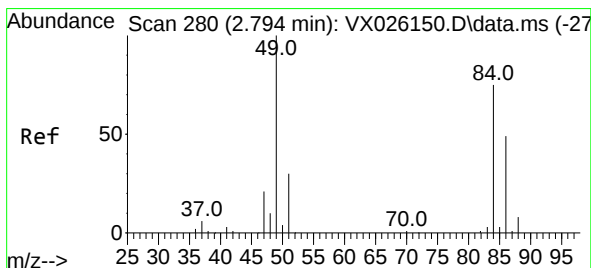
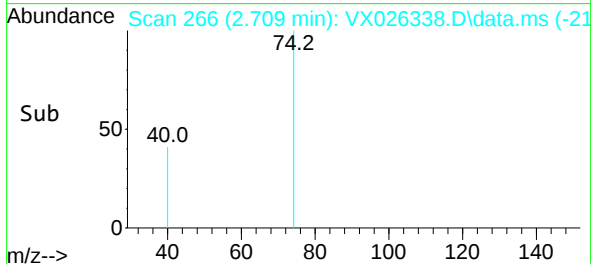
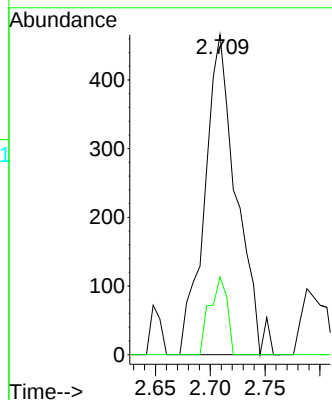
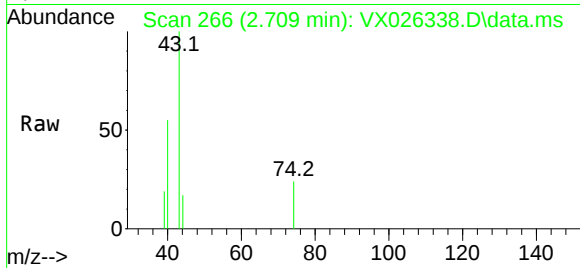




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

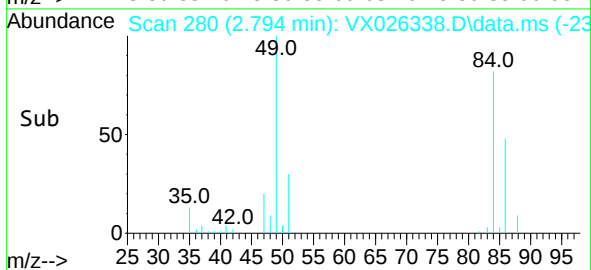
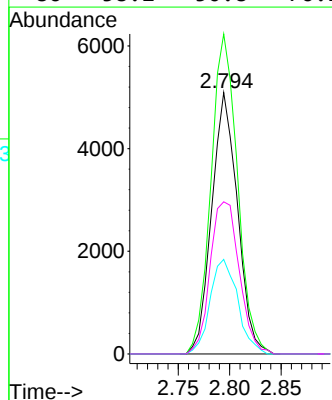
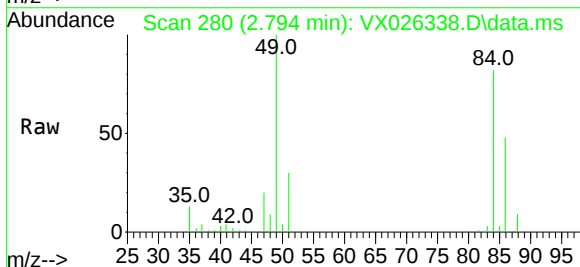
Instrument :
MSVOA_X
ClientSampleId :

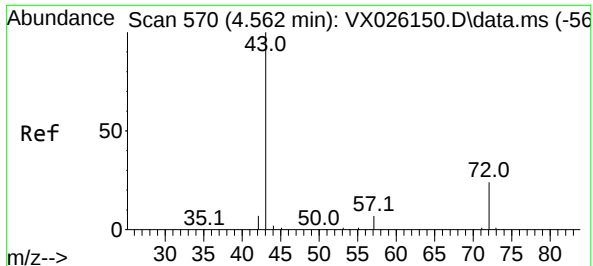
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
74 13.2 19.1 28.7#



#20
Methylene Chloride
Concen: 3.621 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 84 Resp: 8867
Ion Ratio Lower Upper
84 100
49 122.4 97.1 145.7
51 36.2 29.3 43.9
86 58.2 50.8 76.2

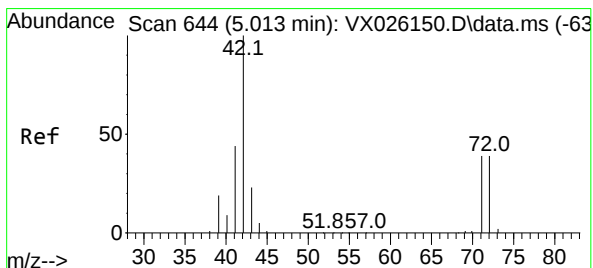
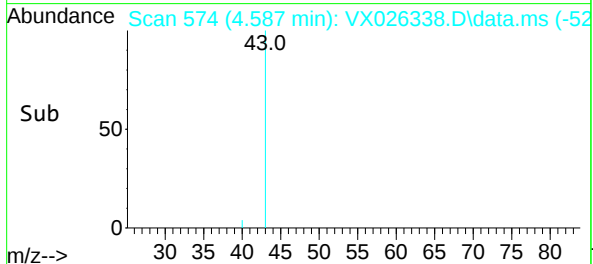
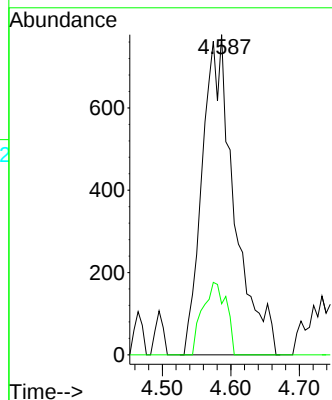
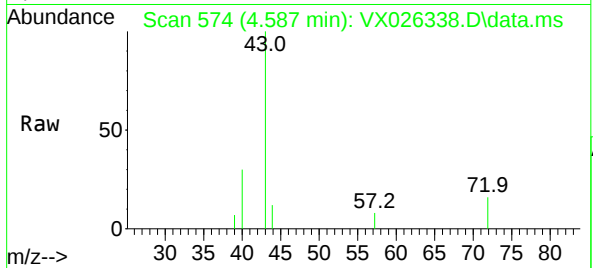




#25
2-Butanone
Concen: 1.470 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

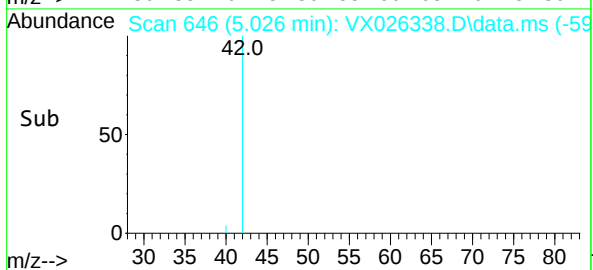
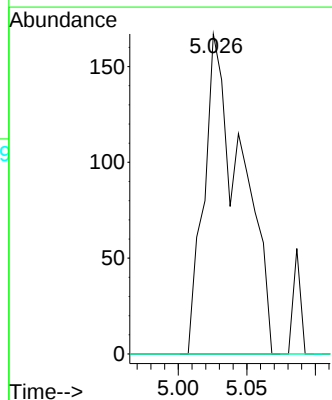
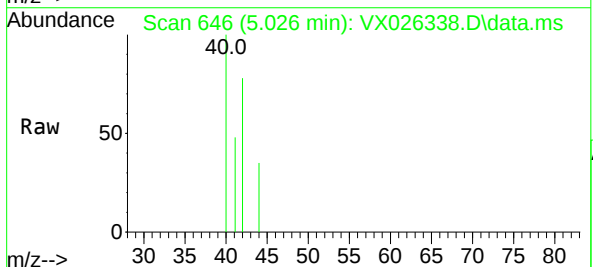
Instrument :
MSVOA_X
ClientSampleId :

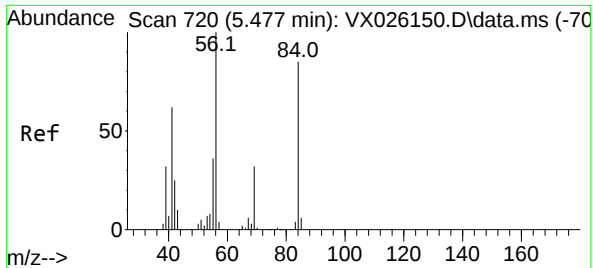
Tgt Ion: 43 Resp: 2524
Ion Ratio Lower Upper
43 100
72 15.9 21.0 31.4#



#29
Tetrahydrofuran
Concen: 0.294 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

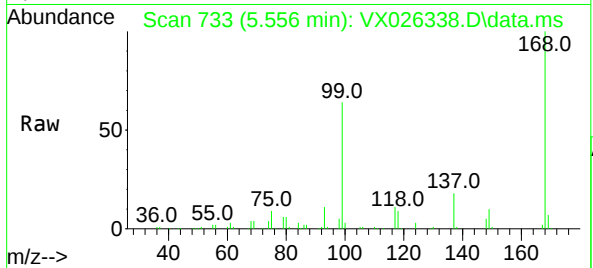
Tgt Ion: 42 Resp: 318
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.6#
71 0.0 34.1 51.1#



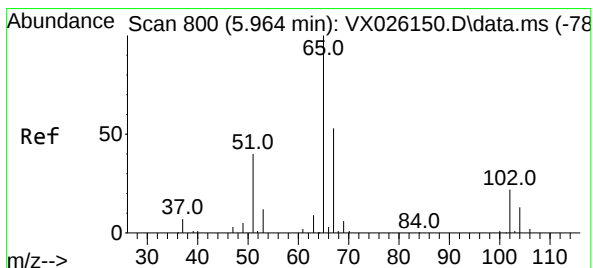
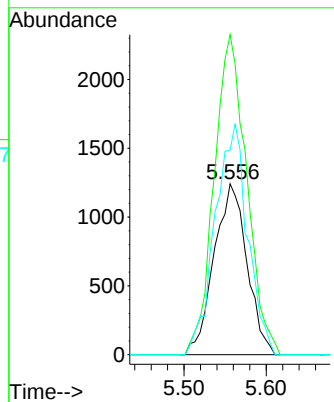
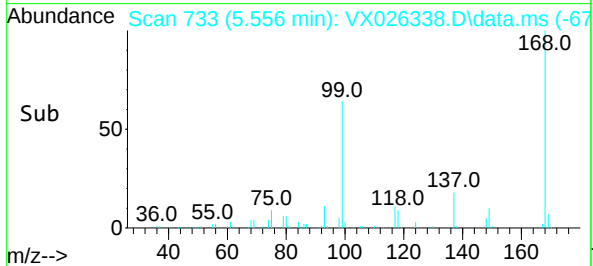


#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Instrument :
MSVOA_X
ClientSampleId :

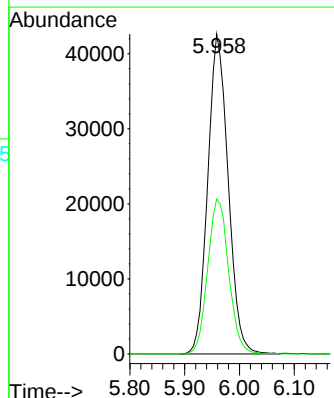
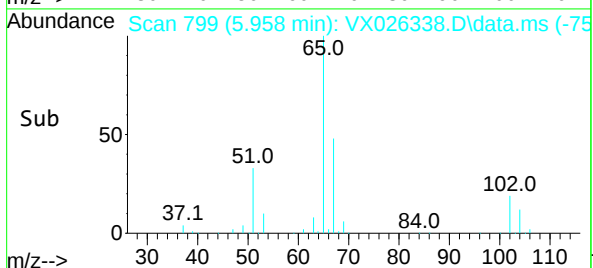
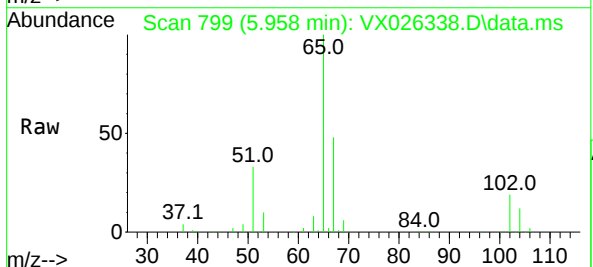


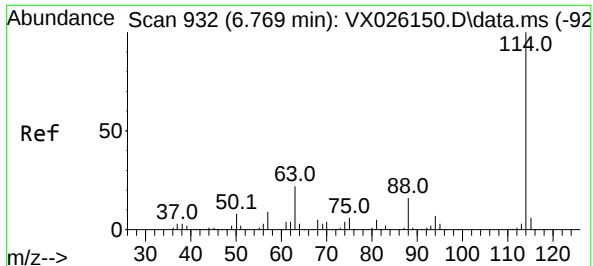
Tgt Ion: 56 Resp: 3452
Ion Ratio Lower Upper
56 100
69 187.3 23.9 35.9#
84 119.9 73.2 109.8#



#33
1,2-Dichloroethane-d4
Concen: 48.288 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

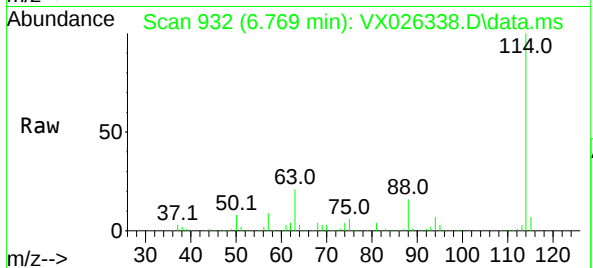
Tgt Ion: 65 Resp: 109878
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.4



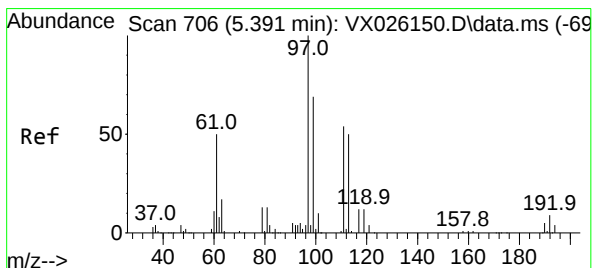
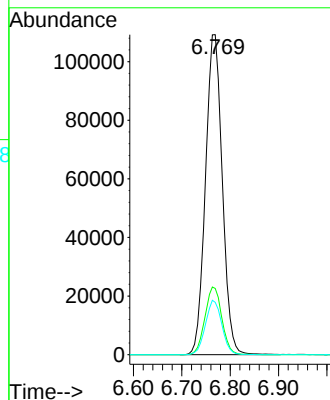
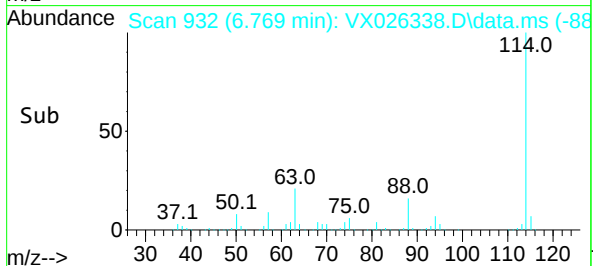


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Instrument :
MSVOA_X
ClientSampleId :

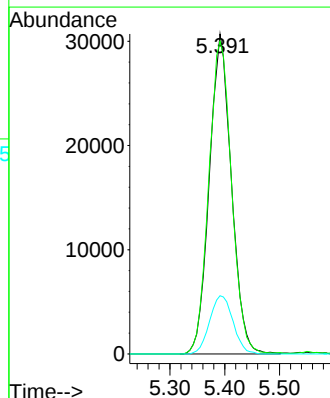
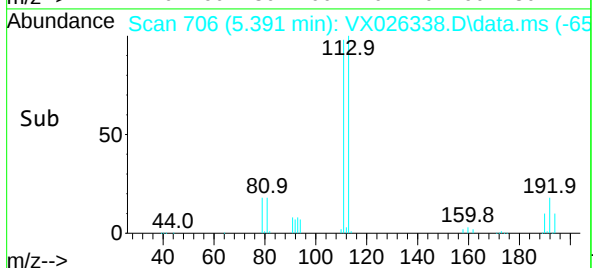
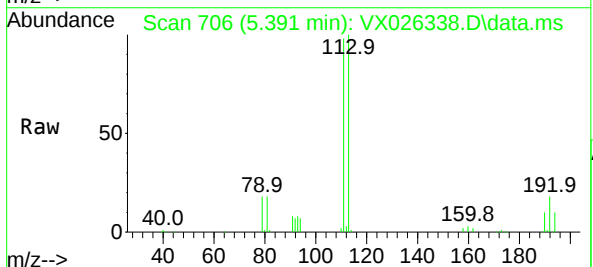


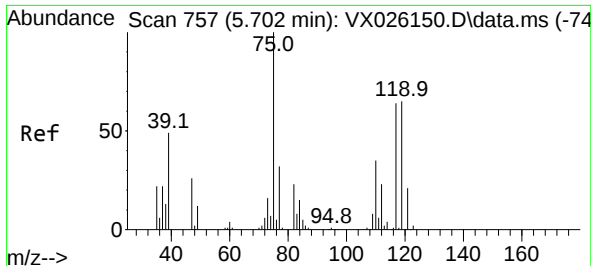
Tgt Ion:114 Resp: 264026
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.0
88 16.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.922 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion:113 Resp: 85692
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.8
192 19.2 15.0 22.4

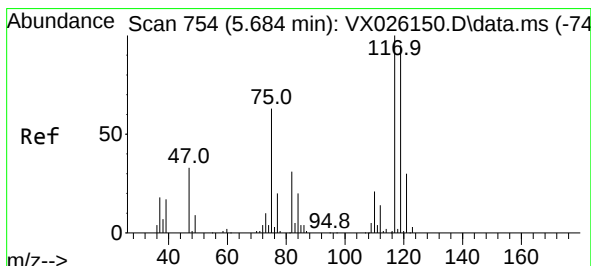
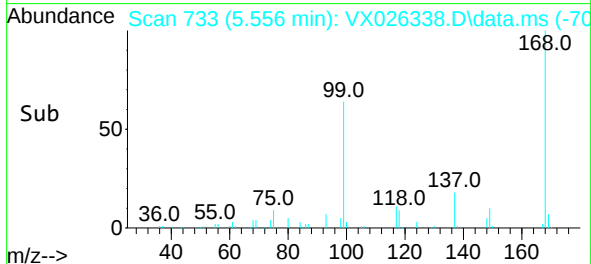
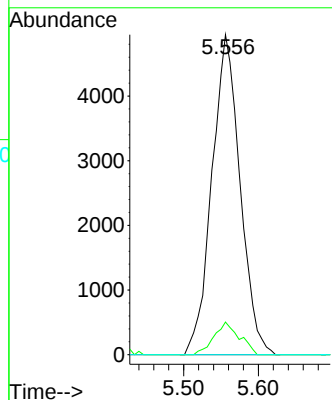
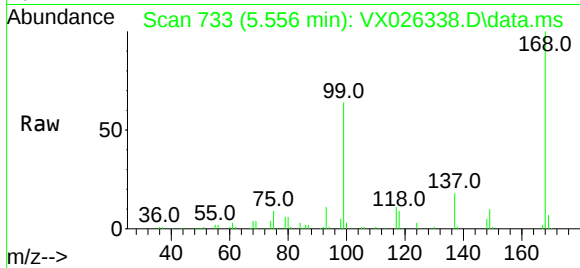




#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

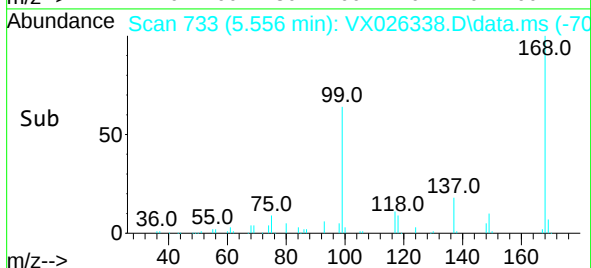
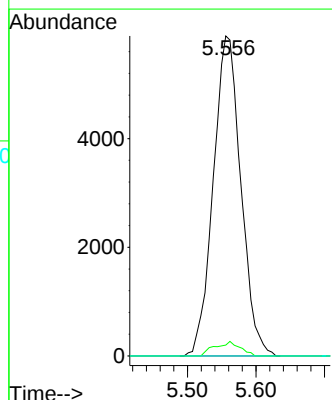
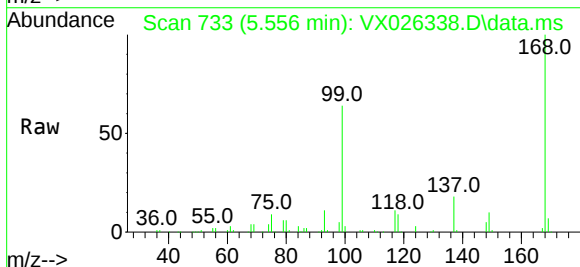
Instrument :
MSVOA_X
ClientSampleId :

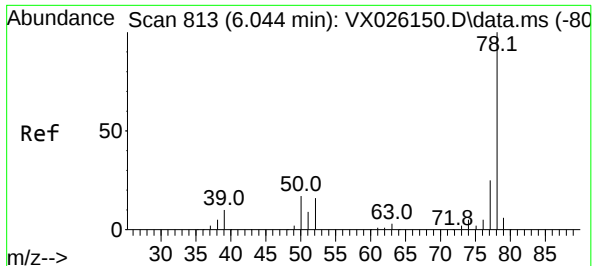
Tgt Ion: 75 Resp: 12983
Ion Ratio Lower Upper
75 100
110 9.2 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.345 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

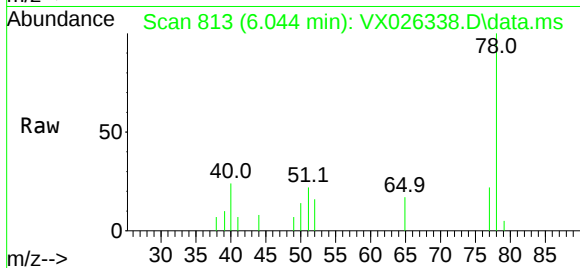
Tgt Ion: 117 Resp: 16462
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 23.8 35.8#



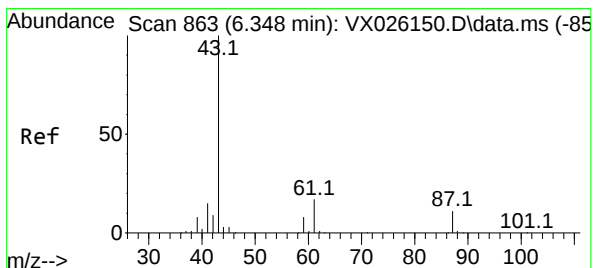
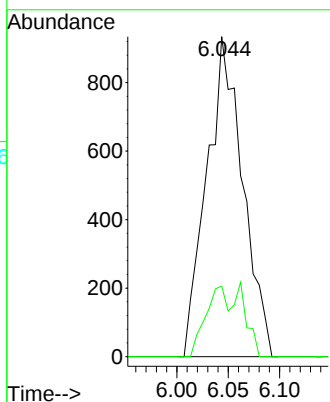
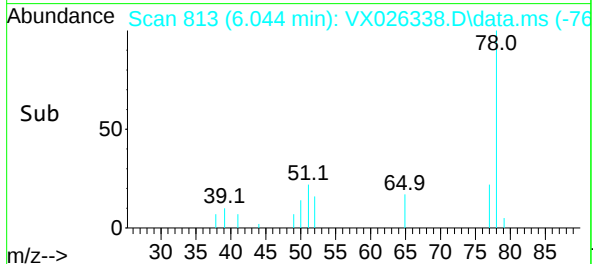


#40
Benzene
Concen: 0.287 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Instrument :
MSVOA_X
ClientSampleId :

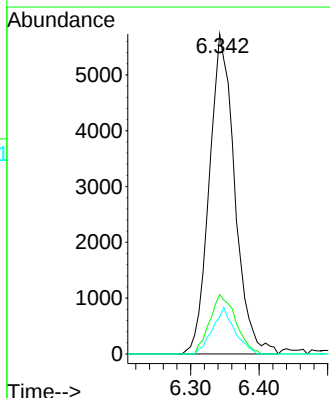
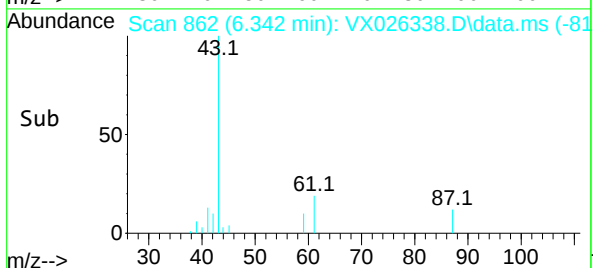
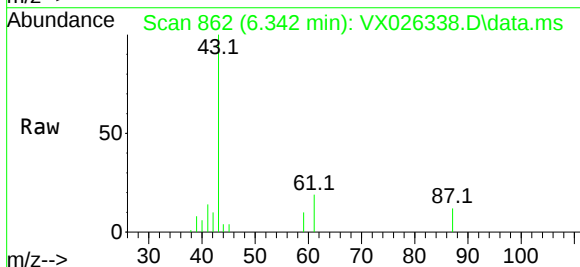


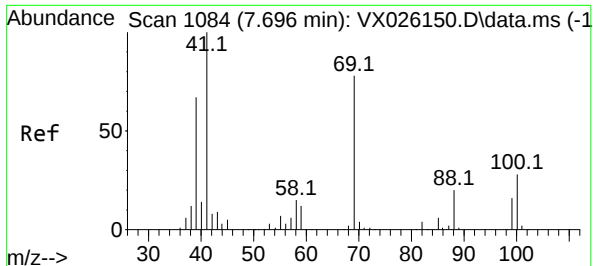
Tgt Ion: 78 Resp: 2268
Ion Ratio Lower Upper
78 100
77 22.1 18.6 27.8



#43
Isopropyl Acetate
Concen: 2.825 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 43 Resp: 14778
Ion Ratio Lower Upper
43 100
61 18.9 15.7 23.5
87 12.6 11.2 16.8

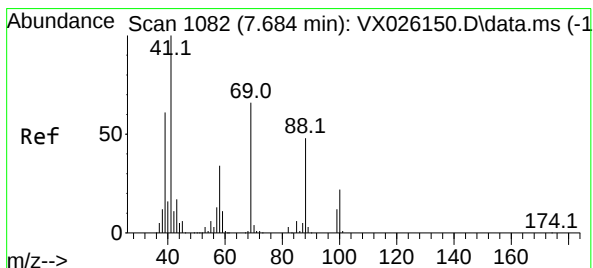
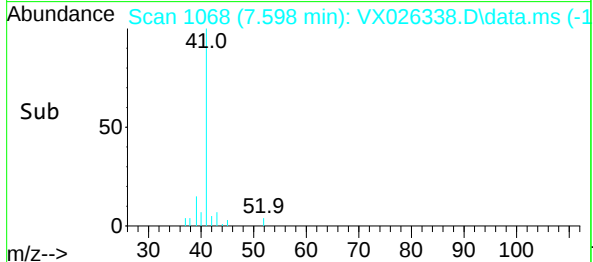
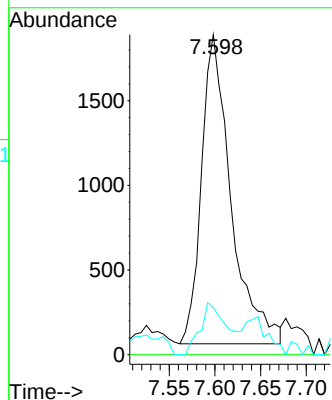
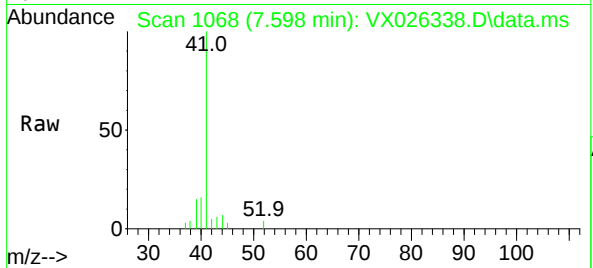




#48
Methyl methacrylate
Concen: 1.638 ug/l
RT: 7.598 min Scan# 1109
Delta R.T. -0.098 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

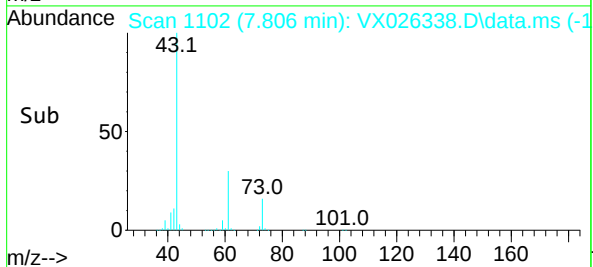
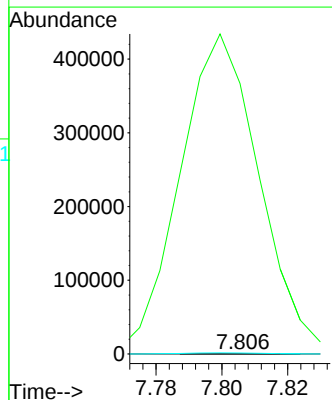
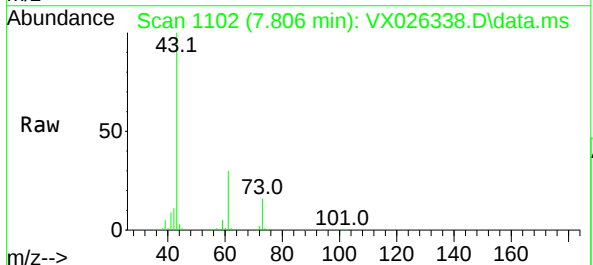
Instrument :
MSVOA_X
ClientSampleId :

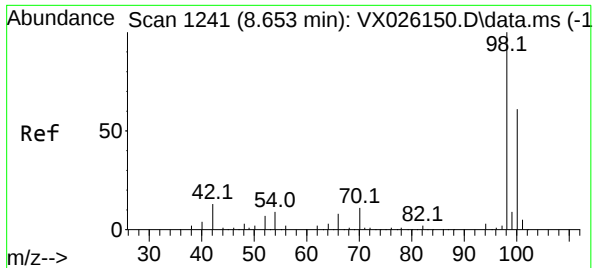
Tgt Ion: 41 Resp: 4109
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 1.362 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.122 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1169027.0 25.3 37.9#
58 3841.3 51.8 77.6#

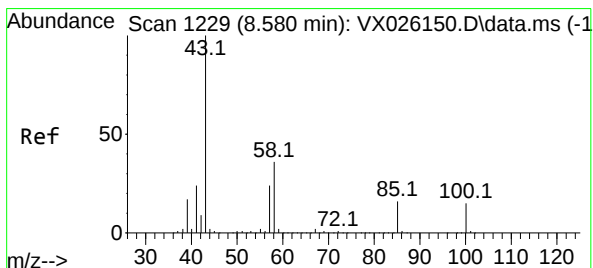
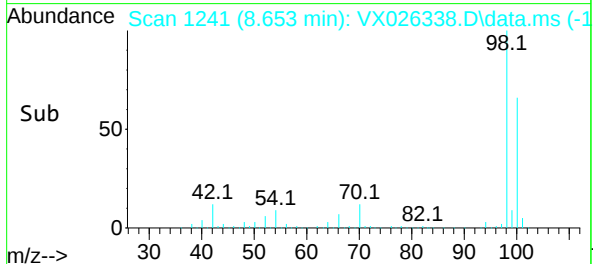
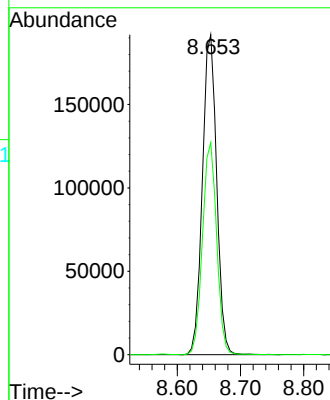
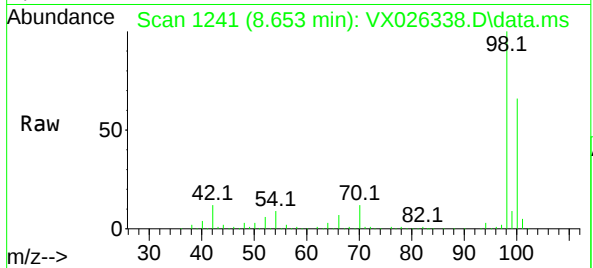




#50
Toluene-d8
Concen: 47.186 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

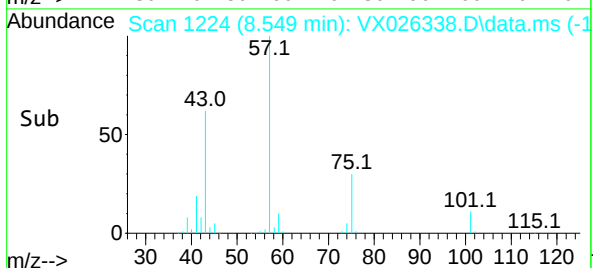
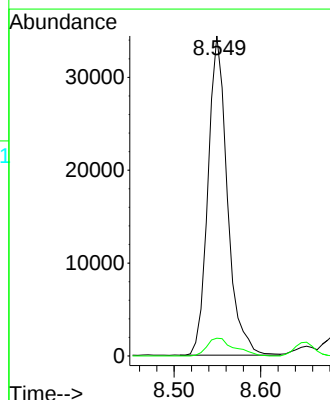
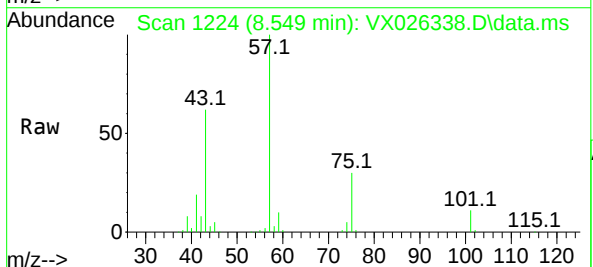
Instrument :
MSVOA_X
ClientSampleId :

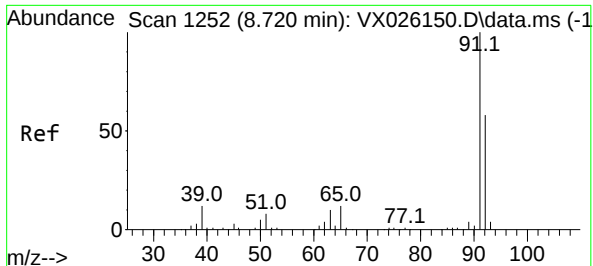
Tgt Ion: 98 Resp: 301275
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.412 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

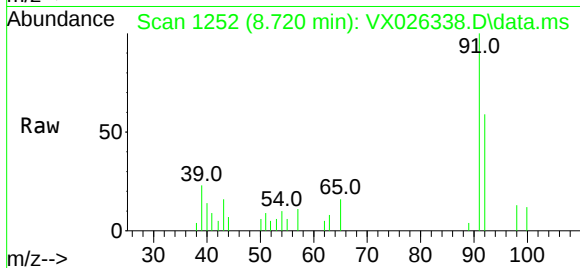
Tgt Ion: 43 Resp: 53434
Ion Ratio Lower Upper
43 100
58 7.8 30.8 46.2#



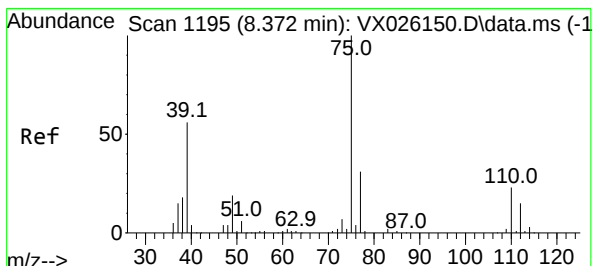
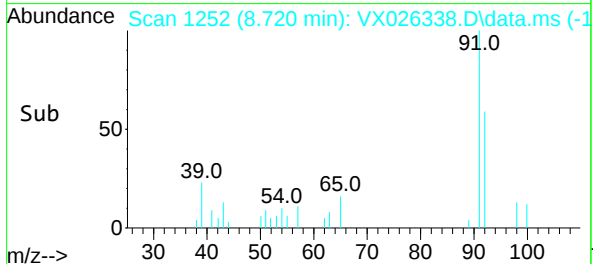
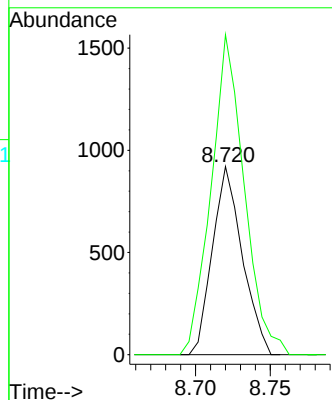


#52
Toluene
Concen: 0.263 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Instrument :
MSVOA_X
ClientSampleId :

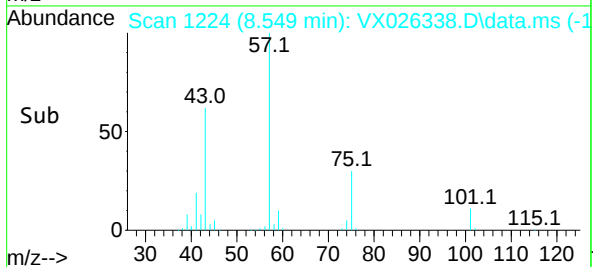
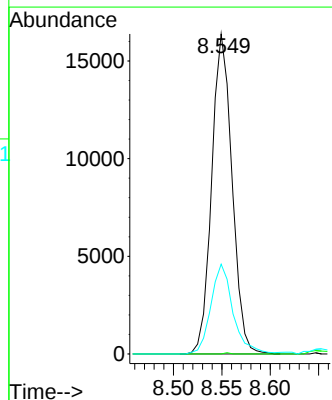
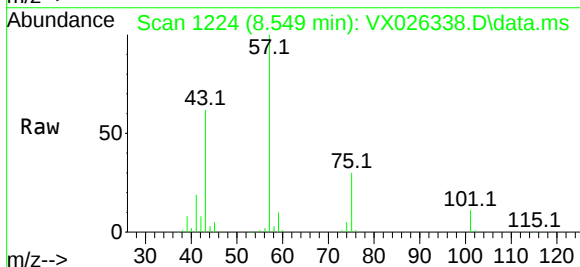


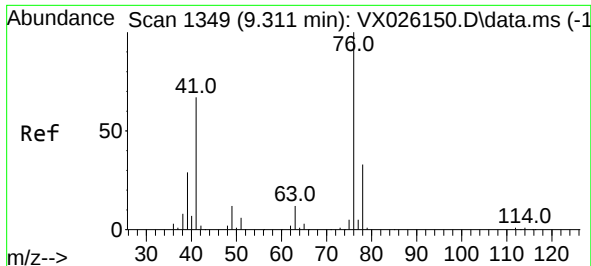
Tgt Ion: 92 Resp: 1280
Ion Ratio Lower Upper
92 100
91 188.2 136.0 204.0



#54
cis-1,3-Dichloropropene
Concen: 7.438 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 75 Resp: 23976
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.1 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 3.677 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026338.D

Acq: 05 Jan 2022 21:24

Instrument :

MSVOA_X

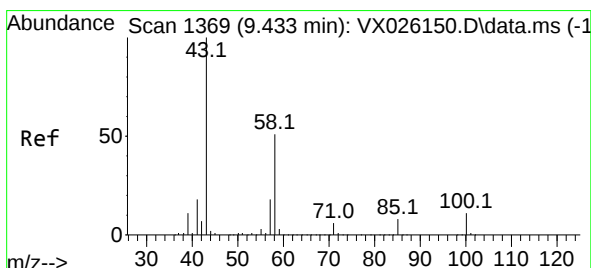
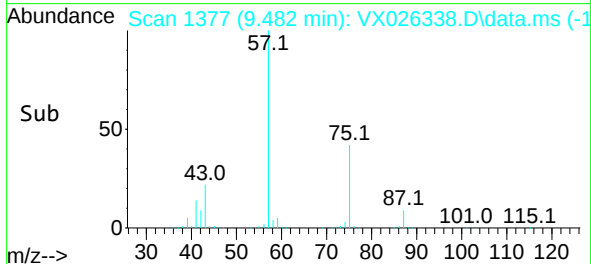
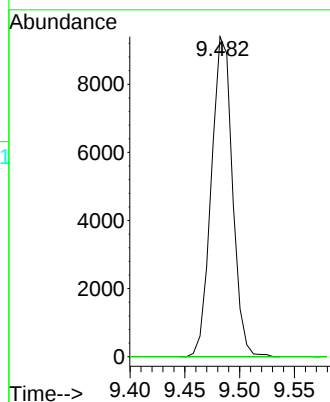
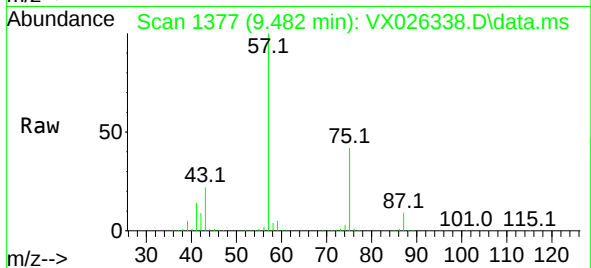
ClientSampleId :

Tgt Ion: 76 Resp: 12592

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 73.464 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026338.D

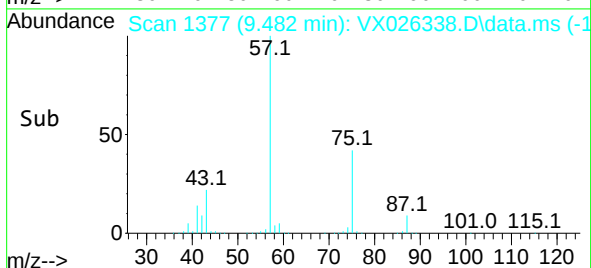
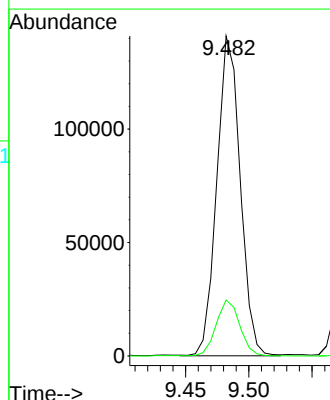
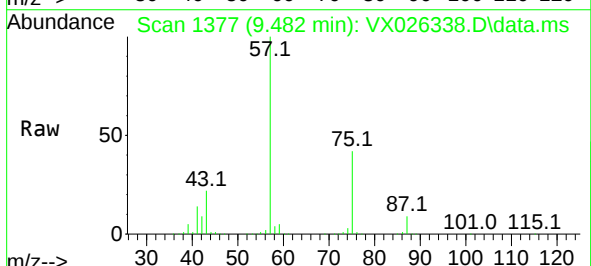
Acq: 05 Jan 2022 21:24

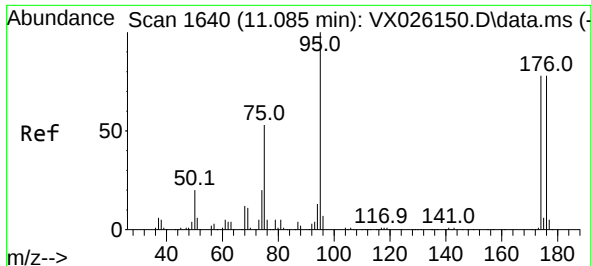
Tgt Ion: 43 Resp: 181177

Ion Ratio Lower Upper

43 100

58 17.7 26.9 80.6#





#62

4-Bromofluorobenzene

Concen: 49.026 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX026338.D

Acq: 05 Jan 2022 21:24

Instrument :

MSVOA_X

ClientSampleId :

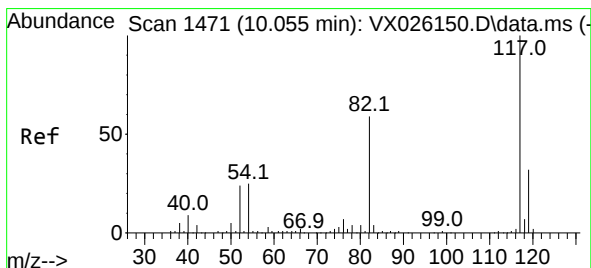
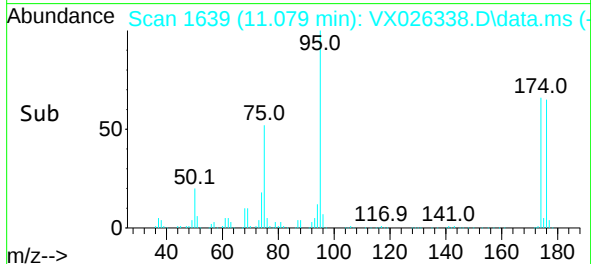
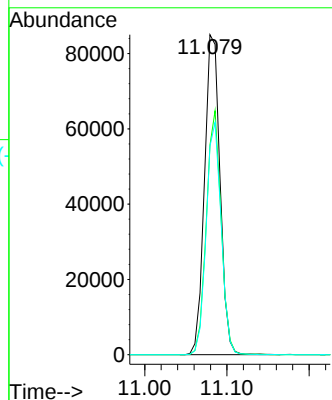
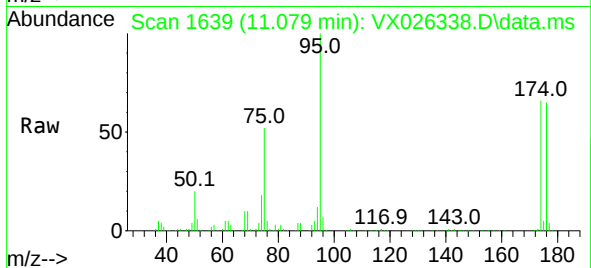
Tgt Ion: 95 Resp: 111432

Ion Ratio Lower Upper

95 100

174 72.4 0.0 157.4

176 70.1 0.0 154.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX026338.D

Acq: 05 Jan 2022 21:24

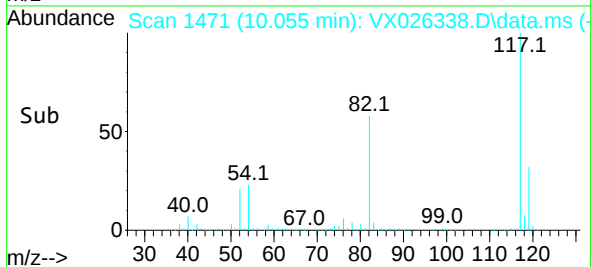
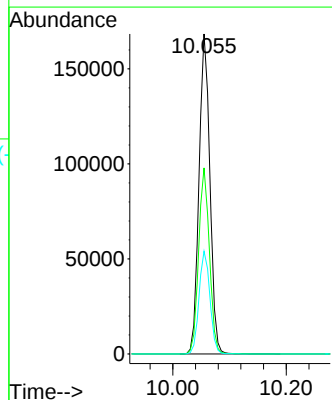
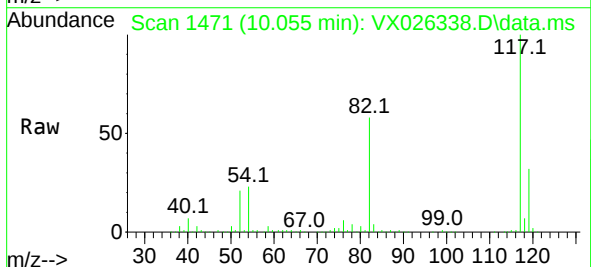
Tgt Ion: 117 Resp: 224048

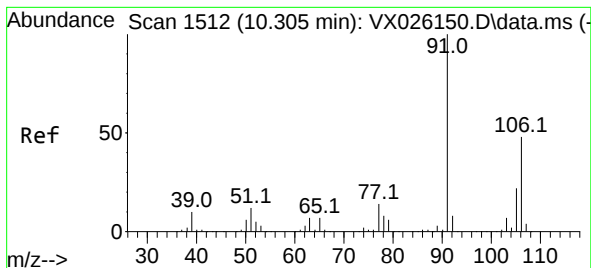
Ion Ratio Lower Upper

117 100

82 58.1 43.8 65.6

119 32.1 25.2 37.8

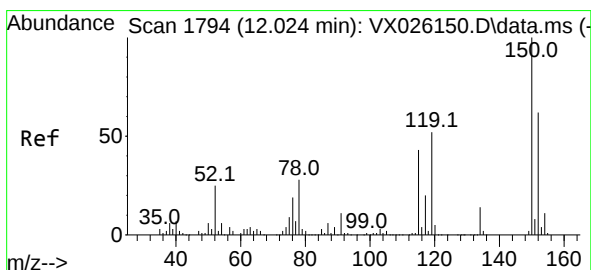
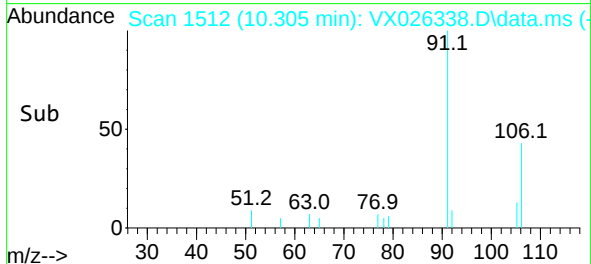
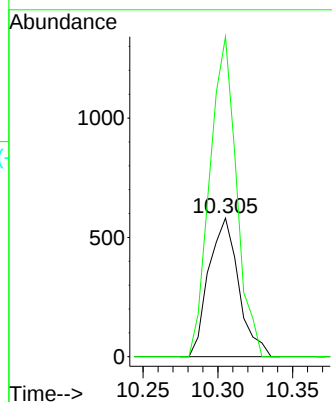
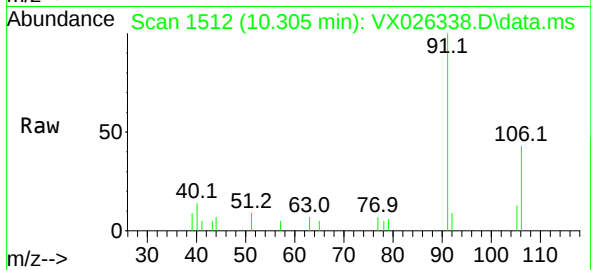




#68
m/p-Xylenes
Concen: 0.247 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

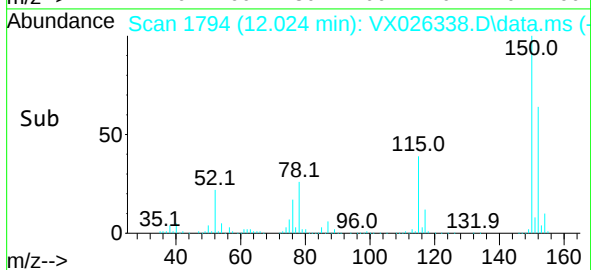
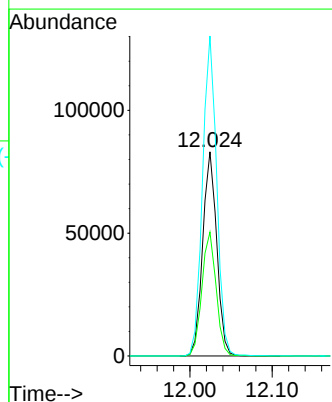
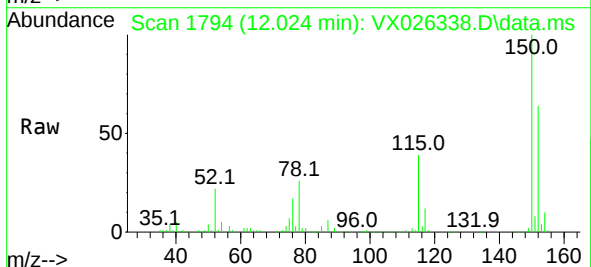
Instrument :
MSVOA_X
ClientSampleId :

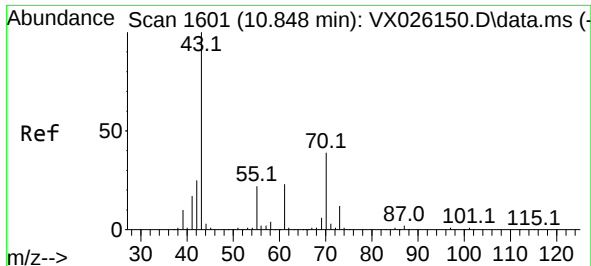
Tgt Ion:106 Resp: 811
Ion Ratio Lower Upper
106 100
91 205.5 158.6 238.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

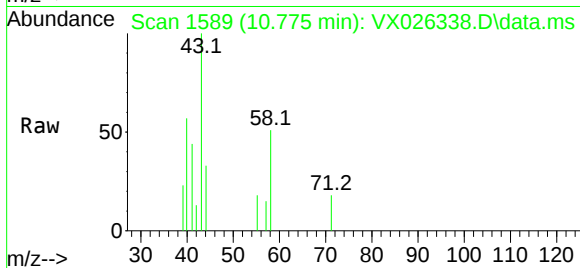
Tgt Ion:152 Resp: 98819
Ion Ratio Lower Upper
152 100
115 61.5 41.3 123.9
150 157.5 0.0 351.8



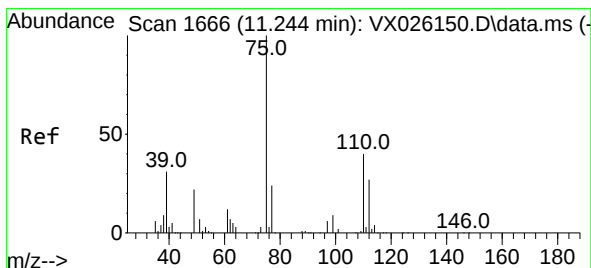
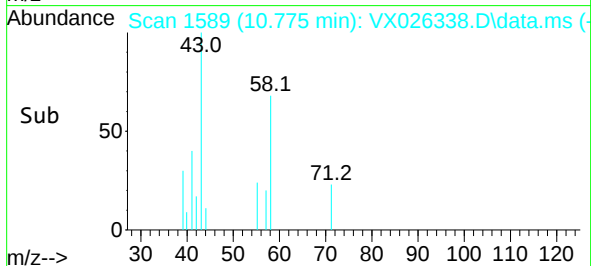
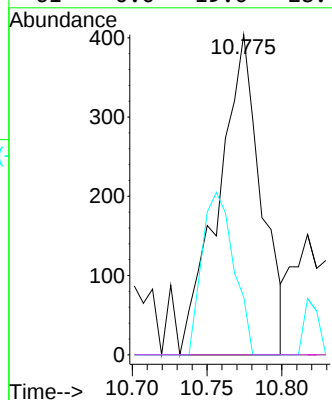


#74
N-amy1 acetate
Concen: 0.227 ug/l
RT: 10.775 min Scan# 1639
Delta R.T. -0.074 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Instrument :
MSVOA_X
ClientSampleId :

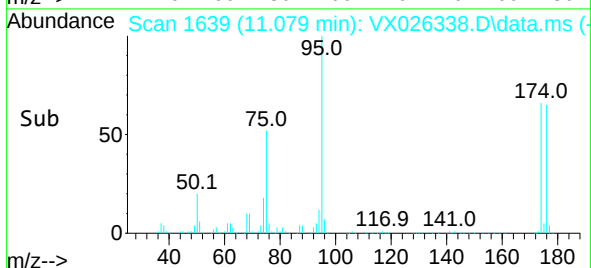
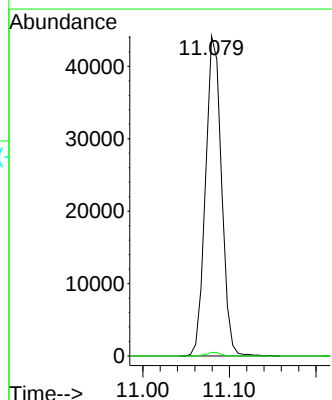
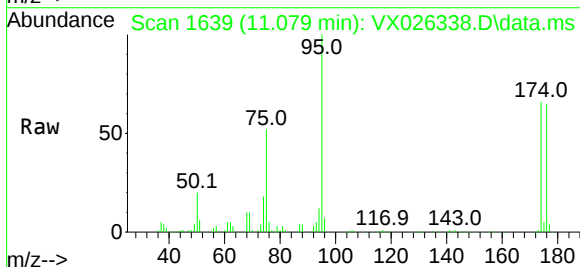


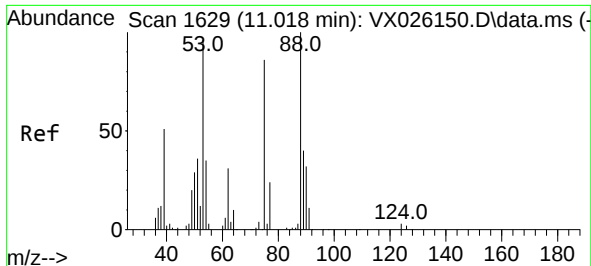
Tgt Ion: 43 Resp: 801
Ion Ratio Lower Upper
43 100
70 0.0 34.1 51.1#
55 37.8 19.2 28.8#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 23.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 75 Resp: 56609
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#

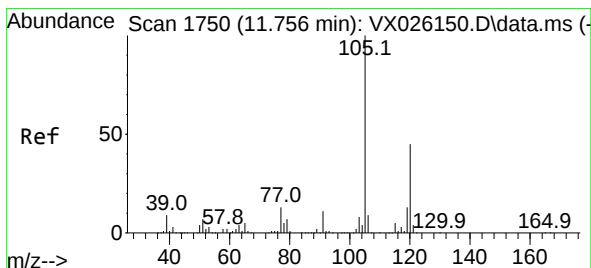
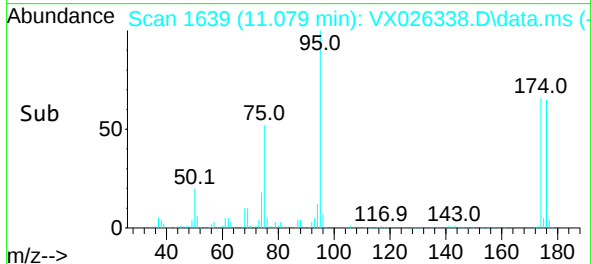
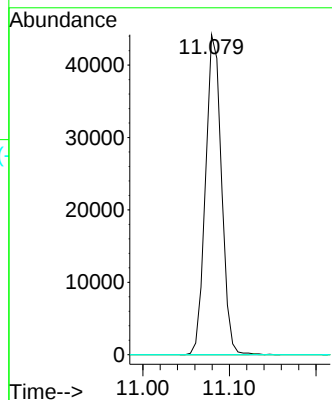
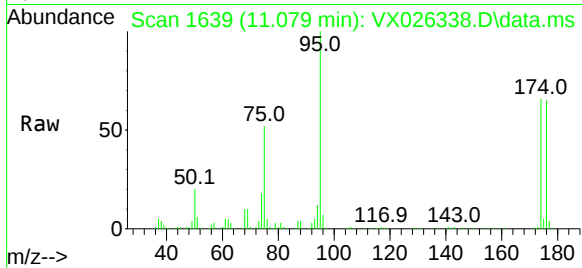




#81
trans-1,4-Dichloro-2-butene
Concen: 68.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

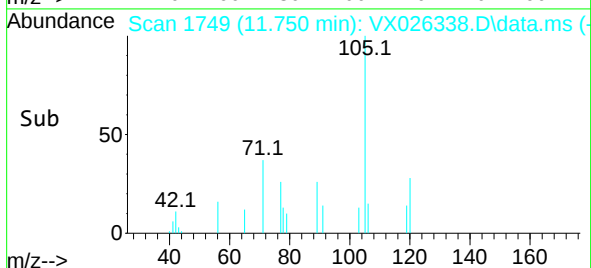
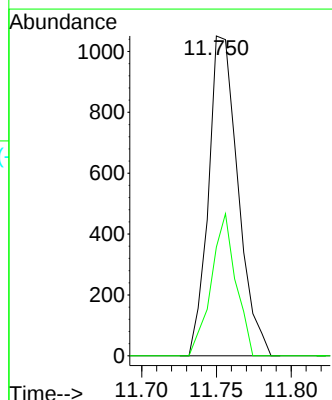
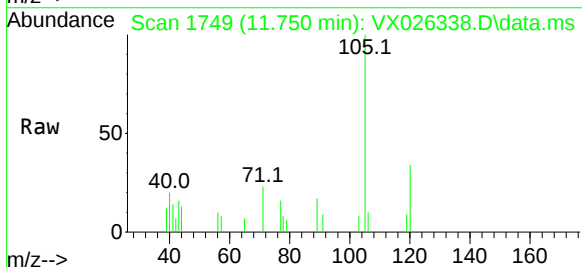
Instrument :
MSVOA_X
ClientSampleId :

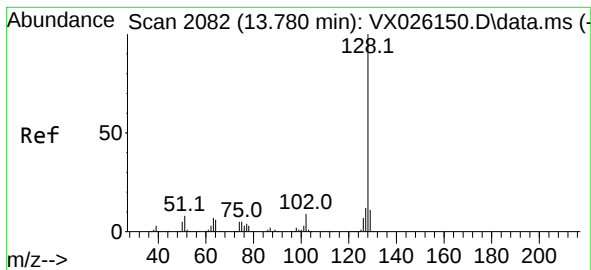
Tgt Ion: 75 Resp: 56609
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.227 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX026338.D
Acq: 05 Jan 2022 21:24

Tgt Ion: 105 Resp: 1443
Ion Ratio Lower Upper
105 100
120 36.8 22.9 68.7





#95

Naphthalene

Concen: 0.340 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

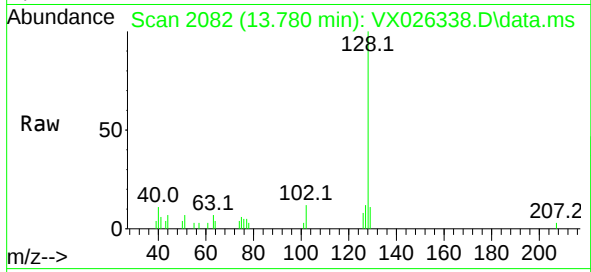
Lab File: VX026338.D

Acq: 05 Jan 2022 21:24

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2595

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 11.0 8.8 13.2

