

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102624\
 Data File : VX043548.D
 Acq On : 26 Oct 2024 04:25
 Operator : JC/MD
 Sample : P4472-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 26 06:01:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102624W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 26 04:43:47 2024
 Response via : Initial Calibration

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

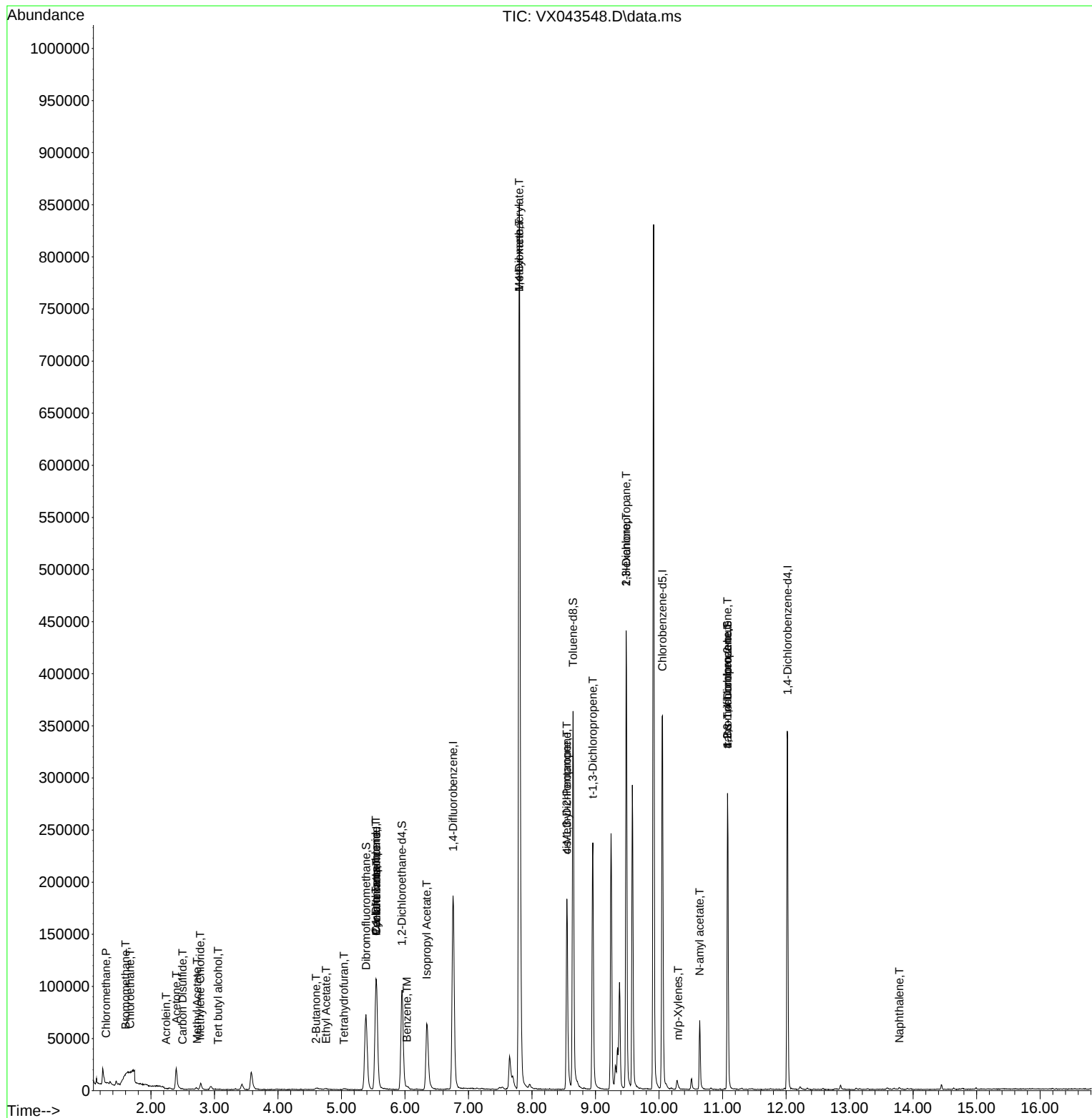
Internal Standards						
1) Pentafluorobenzene	5.550	168	102943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93585	57.309	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.620%			
35) Dibromofluoromethane	5.385	113	63552	47.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.220%			
50) Toluene-d8	8.647	98	226247	48.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	11.079	95	81232	47.541	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	453	0.309	ug/l #	42
5) Bromomethane	1.599	94	347	0.666	ug/l #	41
6) Chloroethane	1.672	64	311	0.713	ug/l #	43
11) Tert butyl alcohol	3.056	59	285	0.817	ug/l #	100
13) Acrolein	2.239	56	138	0.502	ug/l #	61
16) Acetone	2.398	43	26247	37.655	ug/l	96
17) Carbon Disulfide	2.495	76	518	0.230	ug/l #	72
18) Methyl Acetate	2.727	43	2055	0.981	ug/l	99
20) Methylene Chloride	2.776	84	2907	2.134	ug/l #	83
25) 2-Butanone	4.599	43	3014	2.847	ug/l #	86
29) Tetrahydrofuran	5.038	42	814	1.178	ug/l #	47
31) Cyclohexane	5.550	56	2272	1.276	ug/l #	31
36) 1,1-Dichloropropene	5.544	75	8178	5.122	ug/l #	46
37) Ethyl Acetate	4.757	43	1904	0.874	ug/l #	76
38) Carbon Tetrachloride	5.544	117	10810	5.958	ug/l #	15
40) Benzene	6.031	78	3172	0.594	ug/l	98
43) Isopropyl Acetate	6.342	43	97876	28.392	ug/l	98
48) Methyl methacrylate	7.799	41	80395	49.953	ug/l #	41
49) 1,4-Dioxane	7.799	88	77	1.862	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68977	31.579	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	771	0.429	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	32617	16.522	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	3949	1.722	ug/l #	42
59) 2-Hexanone	9.482	43	55677	33.711	ug/l #	51
68) m/p-Xylenes	10.299	106	564	0.248	ug/l	91
74) N-amyl acetate	10.640	43	15928	6.015	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	39654	23.192	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	39654	62.335	ug/l #	7
95) Naphthalene	13.786	128	1576	0.264	ug/l #	92

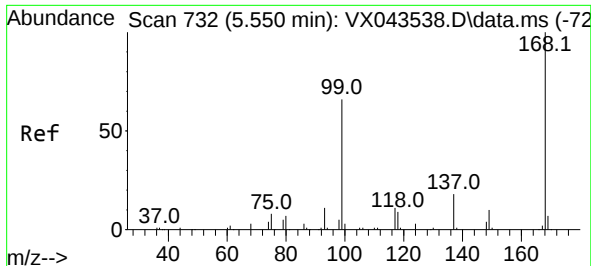
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102624\
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Instrument :
MSVOA_X
ClientSampleId :

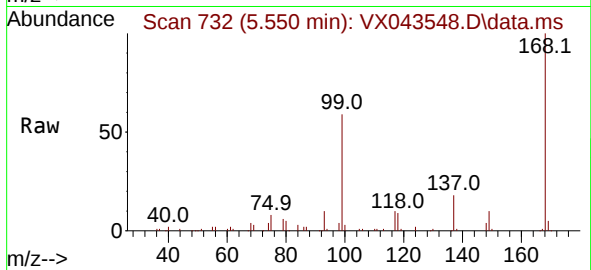
Quant Time: Oct 26 06:01:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102624W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 26 04:43:47 2024
Response via : Initial Calibration



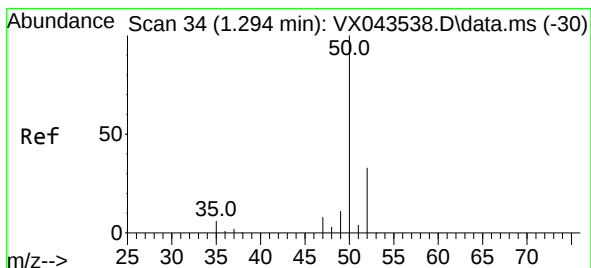
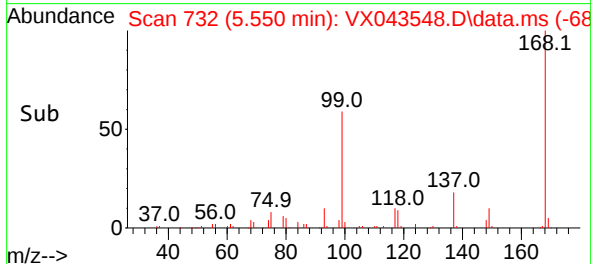
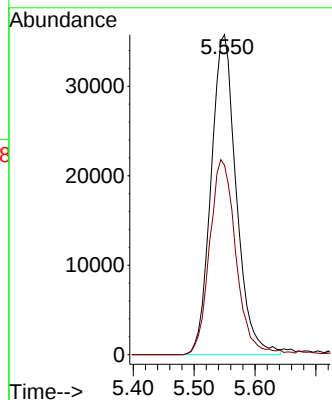


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Instrument :
MSVOA_X
ClientSampleId :

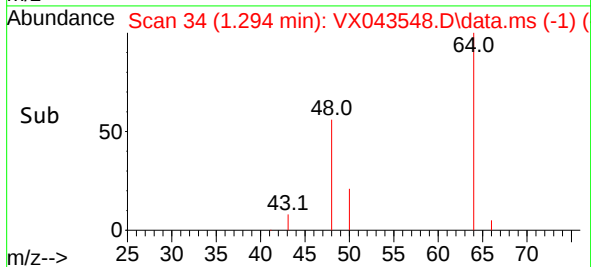
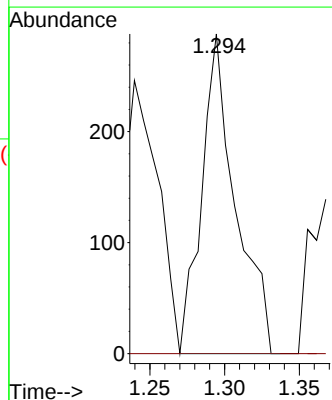
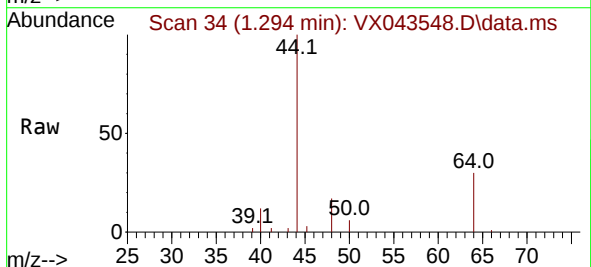


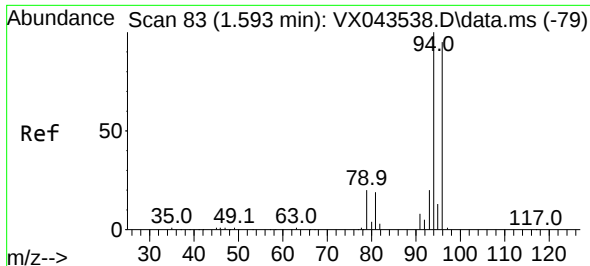
Tgt Ion:168 Resp: 102943
Ion Ratio Lower Upper
168 100
99 59.2 52.6 78.8



#3
Chloromethane
Concen: 0.309 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 50 Resp: 453
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

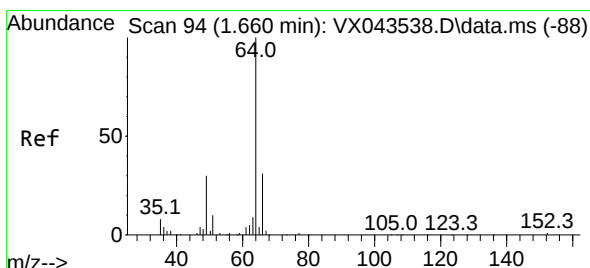
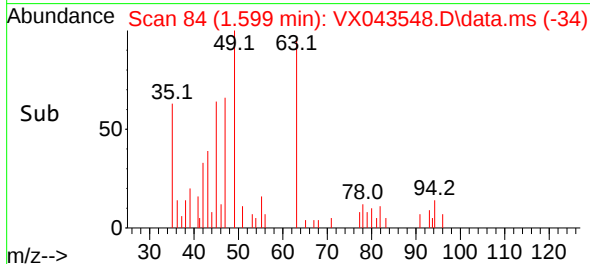
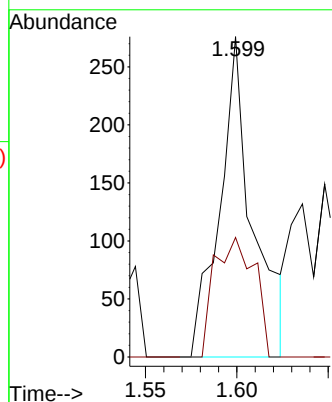
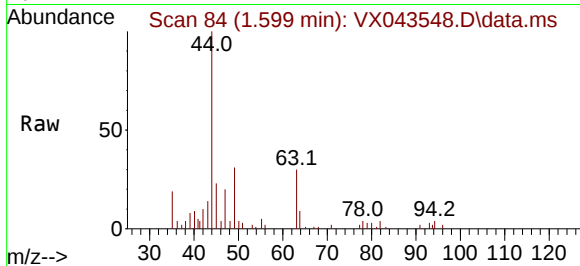




#5
Bromomethane
Concen: 0.666 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

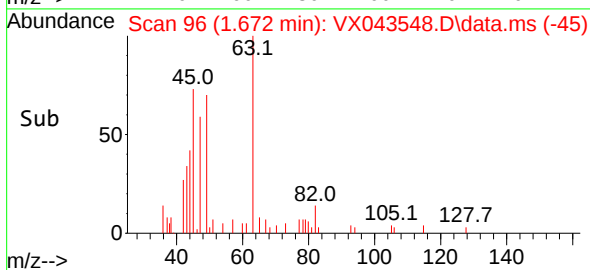
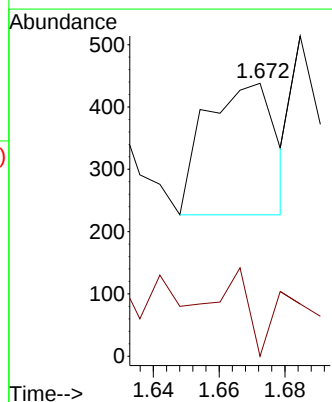
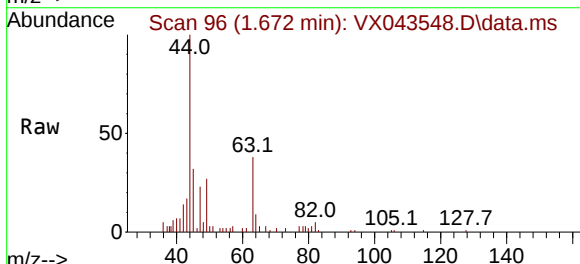
Instrument :
MSVOA_X
ClientSampleId :

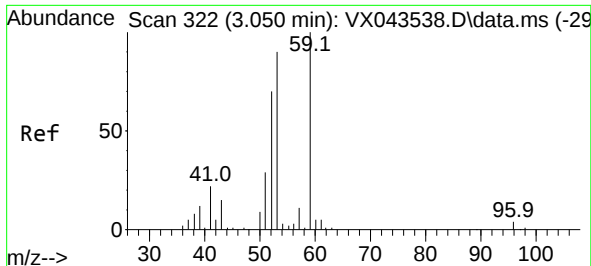
Tgt Ion: 94 Resp: 347
Ion Ratio Lower Upper
94 100
96 37.3 75.9 113.9#



#6
Chloroethane
Concen: 0.713 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.817 ug/l

RT: 3.056 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

Instrument :

MSVOA_X

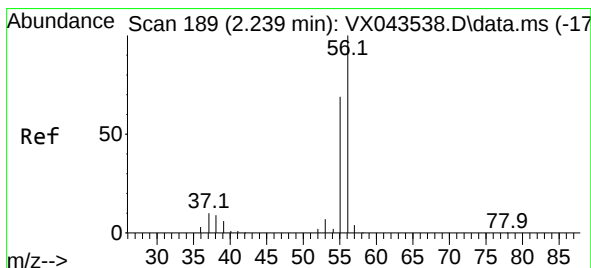
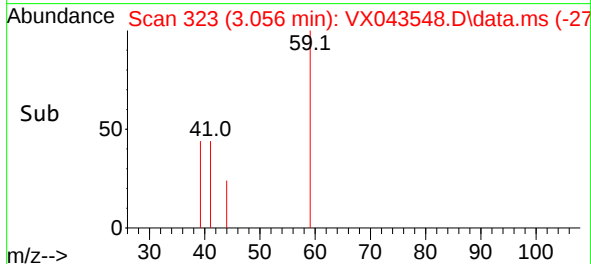
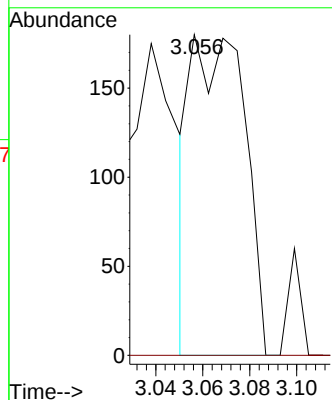
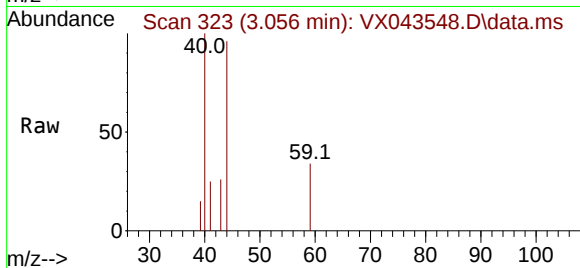
ClientSampleId :

Tgt Ion: 59 Resp: 285

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#13

Acrolein

Concen: 0.502 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043548.D

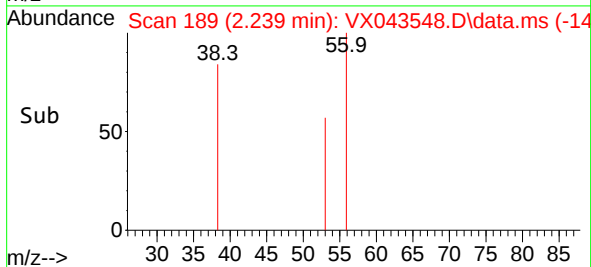
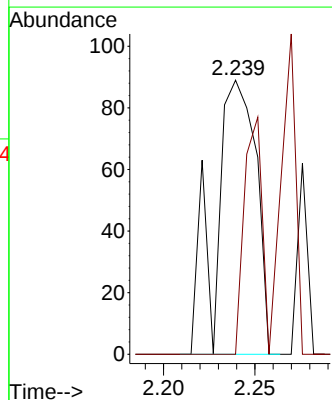
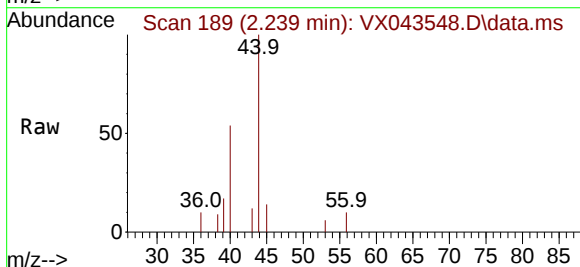
Acq: 26 Oct 2024 04:25

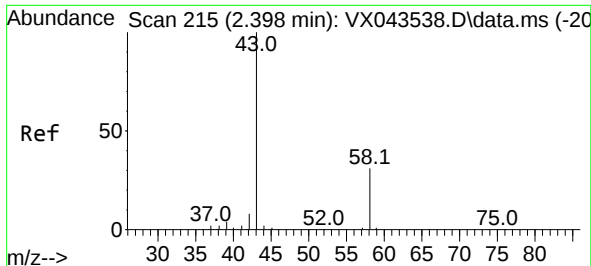
Tgt Ion: 56 Resp: 138

Ion Ratio Lower Upper

56 100

55 37.7 55.3 82.9#

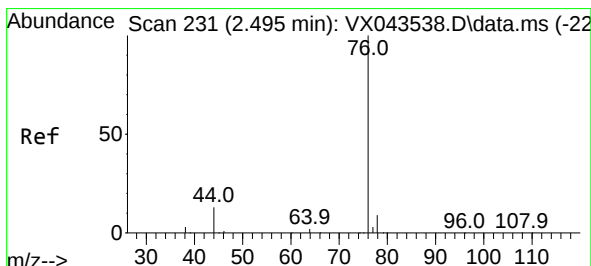
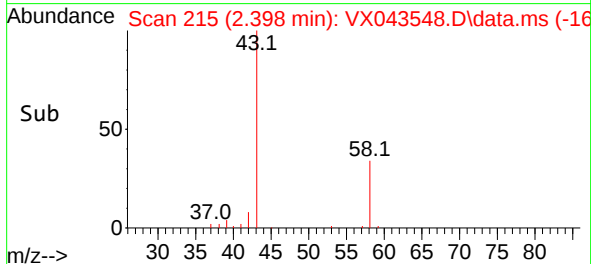
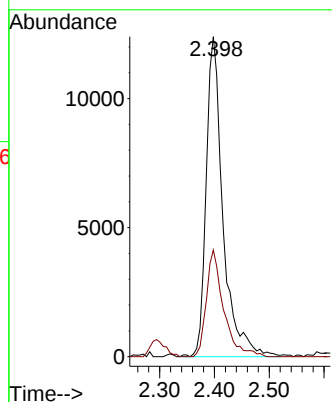
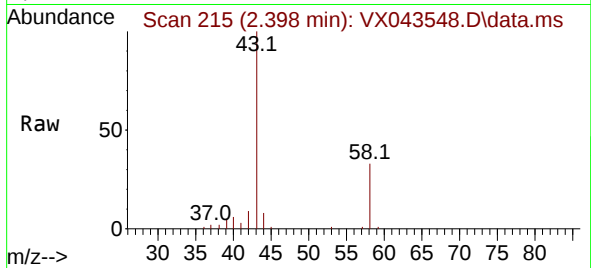




#16
Acetone
Concen: 37.655 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

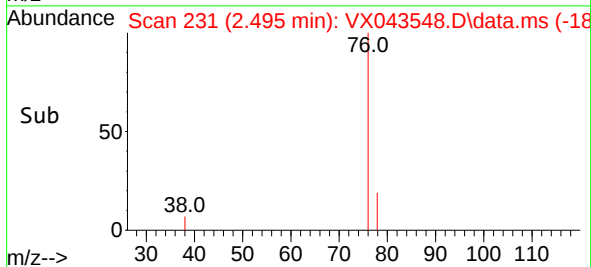
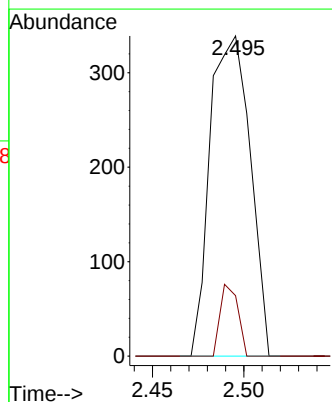
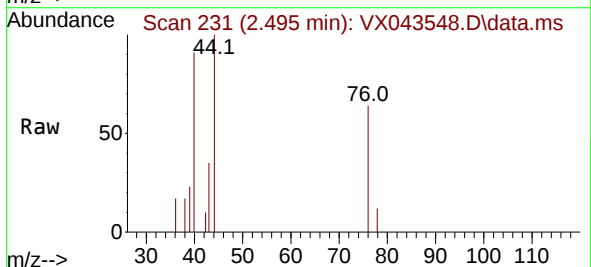
Instrument :
MSVOA_X
ClientSampleId :

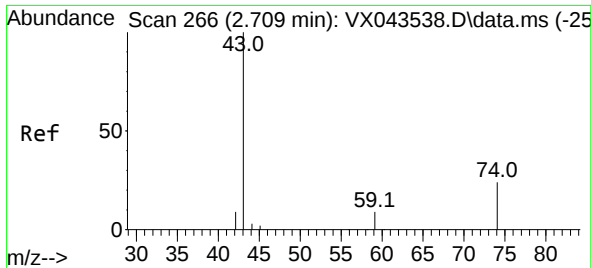
Tgt Ion: 43 Resp: 26247
Ion Ratio Lower Upper
43 100
58 33.4 25.1 37.7



#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 76 Resp: 518
Ion Ratio Lower Upper
76 100
78 18.9 7.1 10.7#

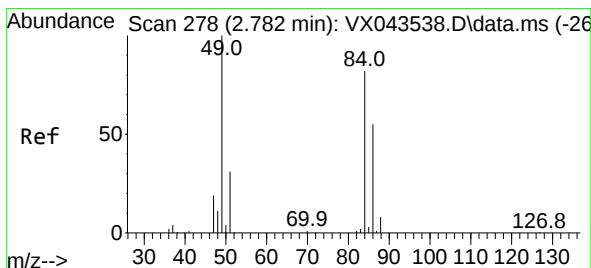
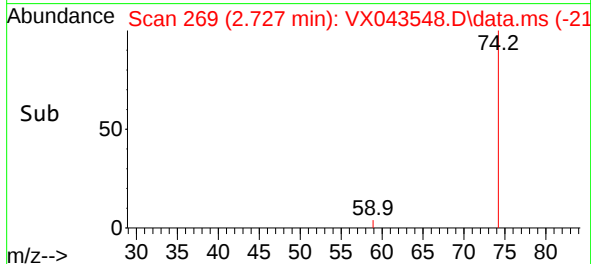
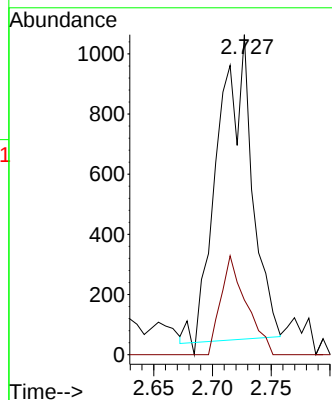
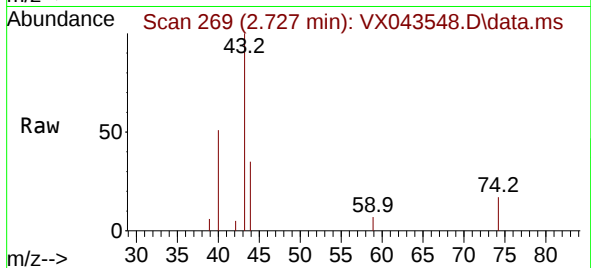




#18
Methyl Acetate
Concen: 0.981 ug/l
RT: 2.727 min Scan# 2055
Delta R.T. 0.018 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

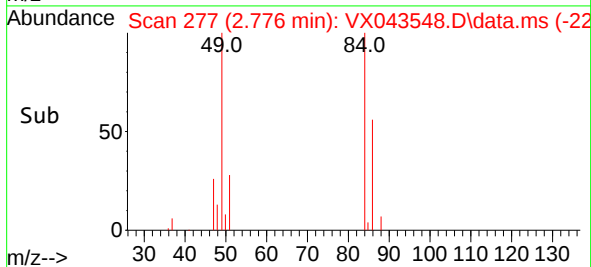
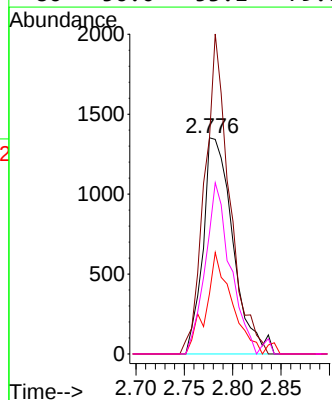
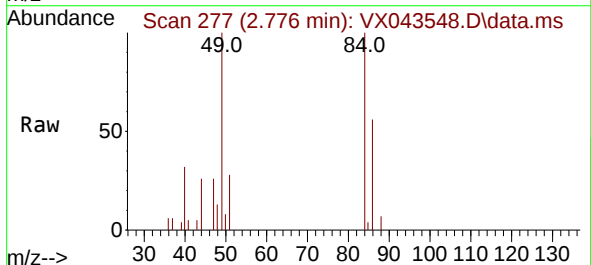
Instrument :
MSVOA_X
ClientSampleId :

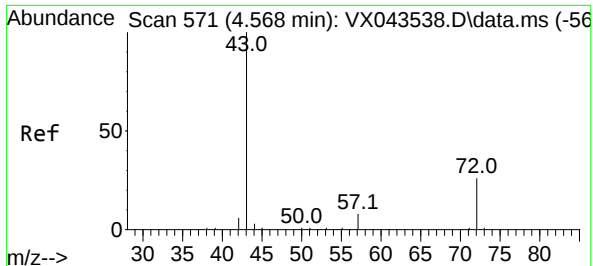
Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
74 24.3 19.1 28.7



#20
Methylene Chloride
Concen: 2.134 ug/l
RT: 2.776 min Scan# 277
Delta R.T. -0.006 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 84 Resp: 2907
Ion Ratio Lower Upper
84 100
49 99.9 97.0 145.6
51 27.8 29.8 44.8#
86 56.0 53.1 79.7





#25

2-Butanone

Concen: 2.847 ug/l

RT: 4.599 min Scan# 5

Delta R.T. 0.031 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

Instrument :

MSVOA_X

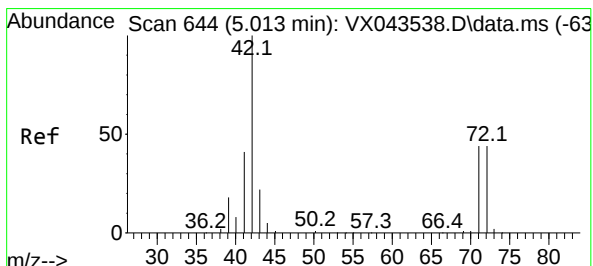
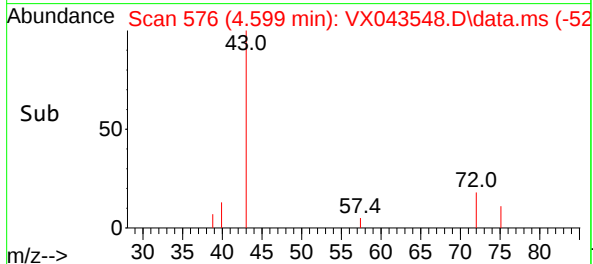
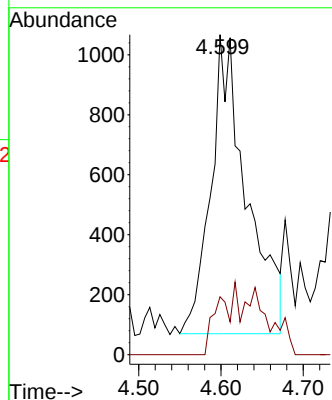
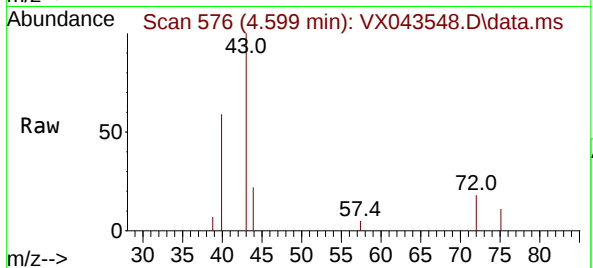
ClientSampleId :

Tgt Ion: 43 Resp: 3014

Ion Ratio Lower Upper

43 100

72 19.4 21.1 31.7#



#29

Tetrahydrofuran

Concen: 1.178 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

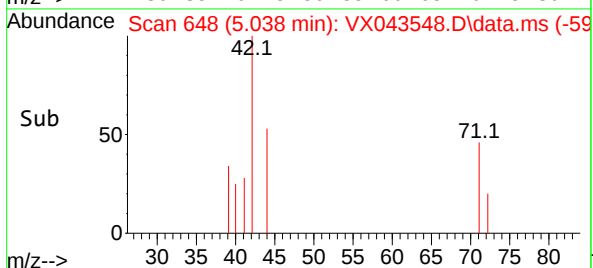
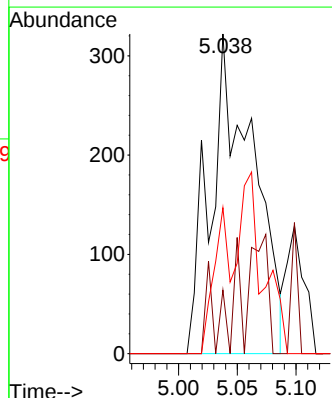
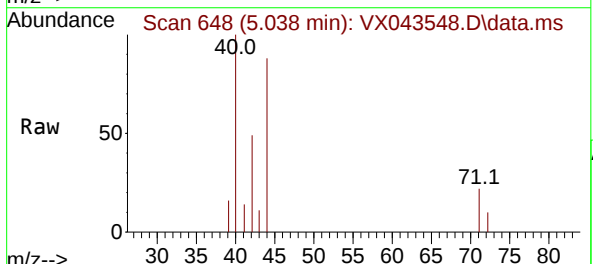
Tgt Ion: 42 Resp: 814

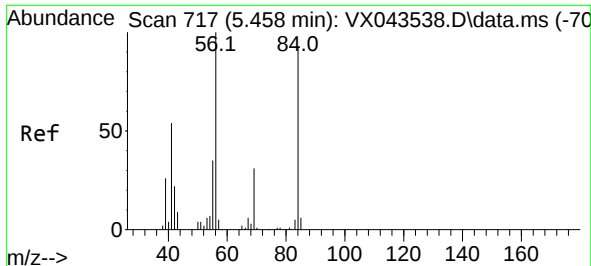
Ion Ratio Lower Upper

42 100

72 4.2 36.6 55.0#

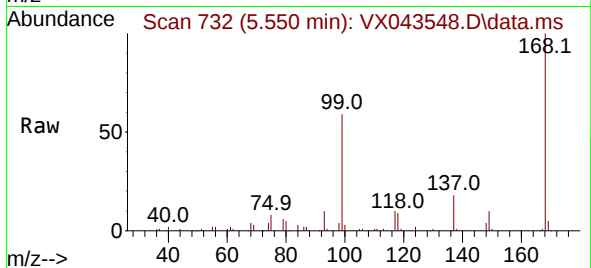
71 16.3 34.2 51.4#



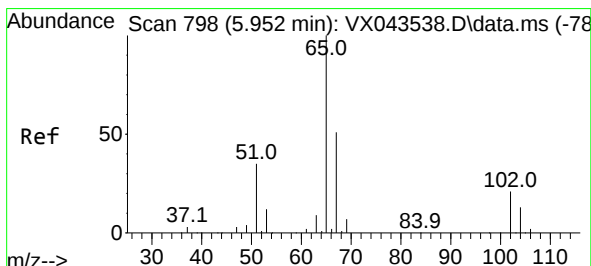
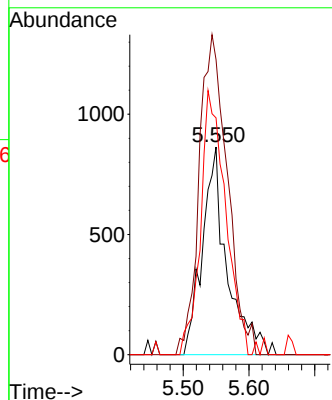
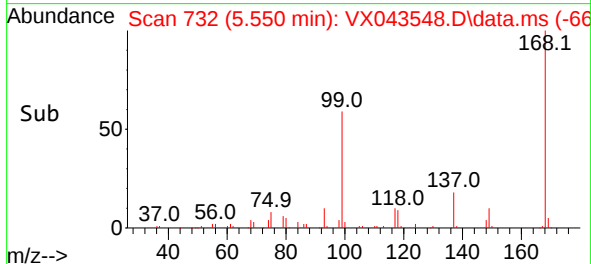


#31
Cyclohexane
Concen: 1.276 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.092 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Instrument :
MSVOA_X
ClientSampleId :

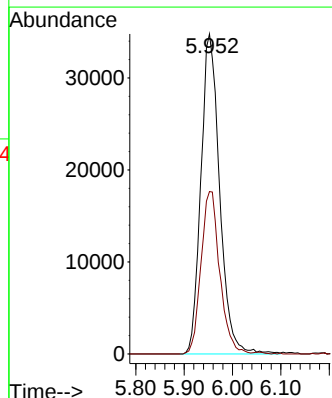
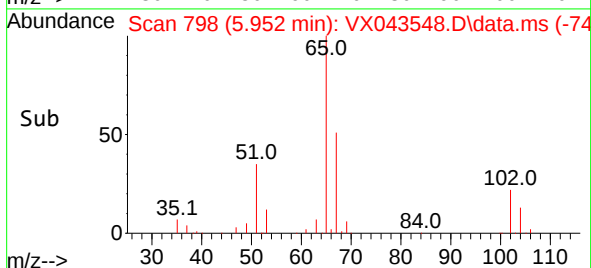
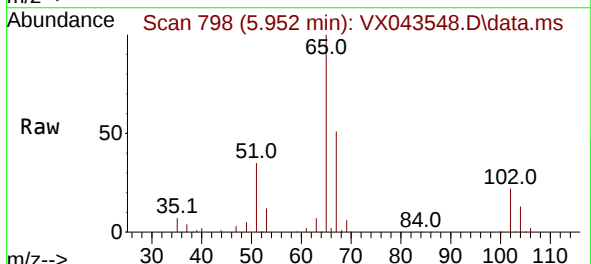


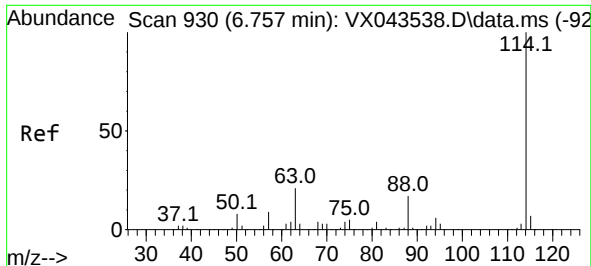
Tgt Ion: 56 Resp: 2272
Ion Ratio Lower Upper
56 100
69 142.0 24.9 37.3#
84 114.0 73.3 109.9#



#33
1,2-Dichloroethane-d4
Concen: 57.309 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 65 Resp: 93585
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.4

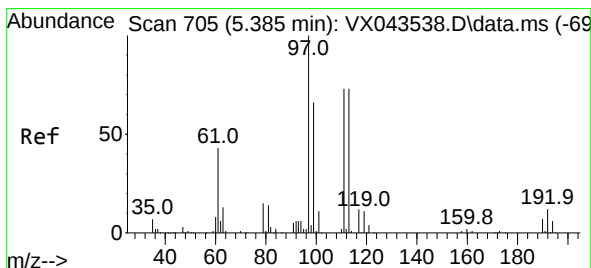
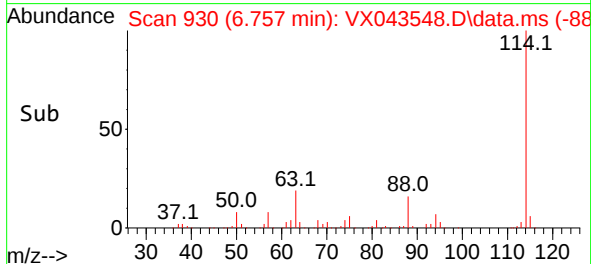
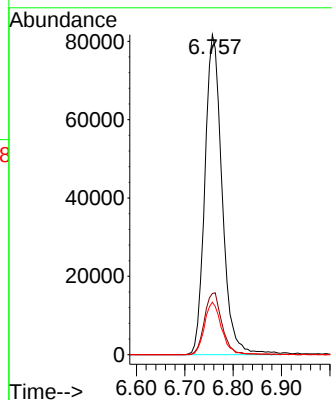
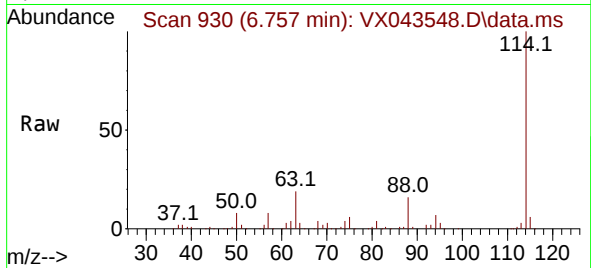




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

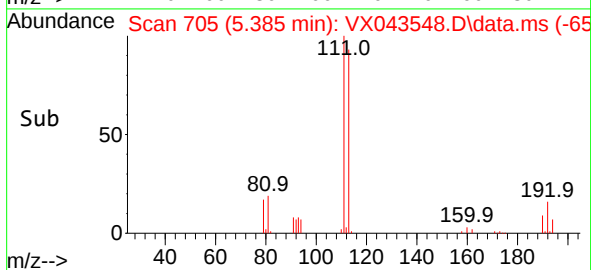
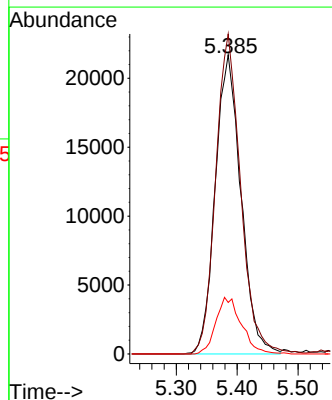
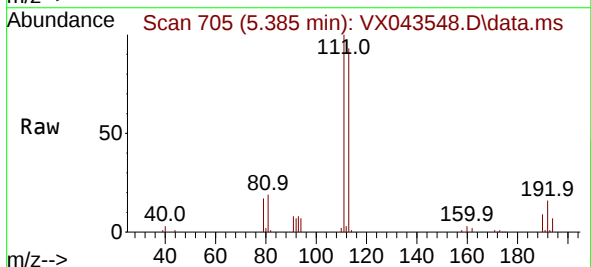
Instrument :
MSVOA_X
ClientSampleId :

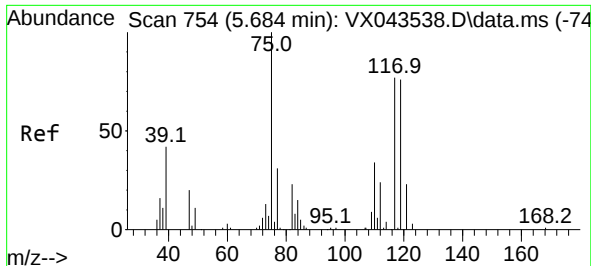
Tgt Ion:114 Resp: 202615
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.2
88 16.4 0.0 34.0



#35
Dibromofluoromethane
Concen: 47.105 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

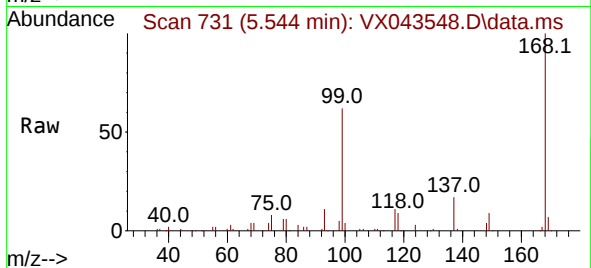
Tgt Ion:113 Resp: 63552
Ion Ratio Lower Upper
113 100
111 104.1 81.4 122.0
192 18.9 14.1 21.1



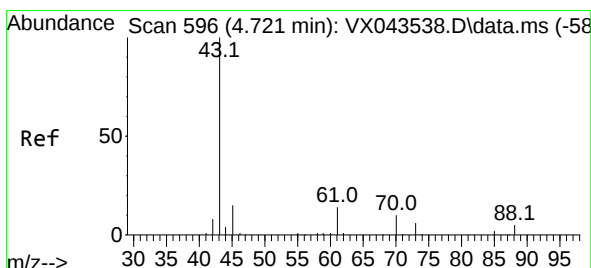
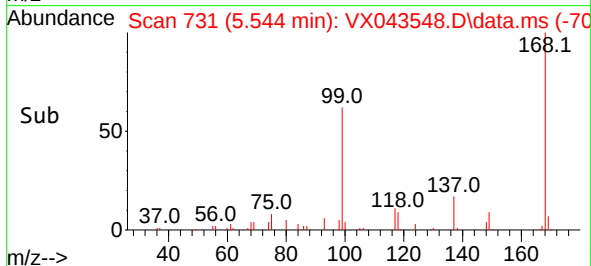
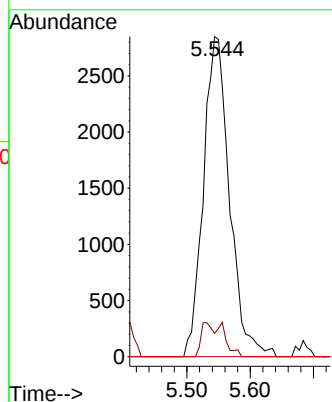


#36
1,1-Dichloropropene
Concen: 5.122 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Instrument :
MSVOA_X
ClientSampleId :

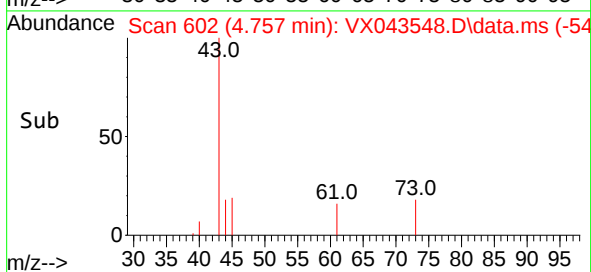
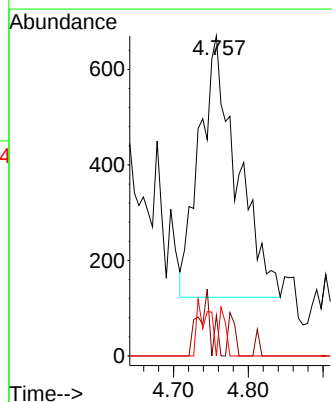
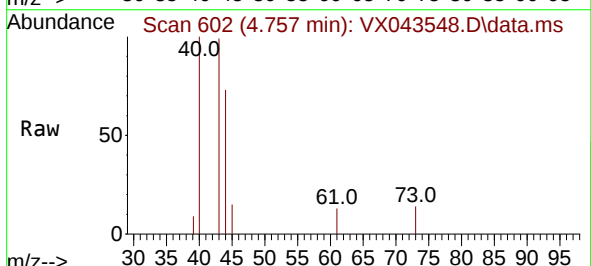


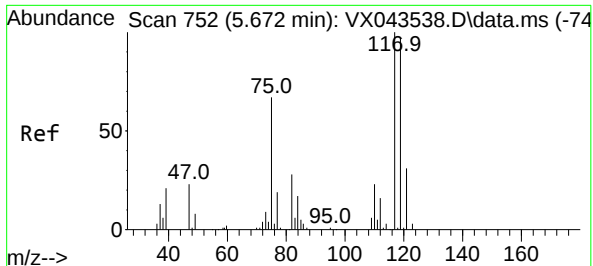
Tgt Ion: 75 Resp: 8178
Ion Ratio Lower Upper
75 100
110 5.2 17.9 53.7#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.874 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.037 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

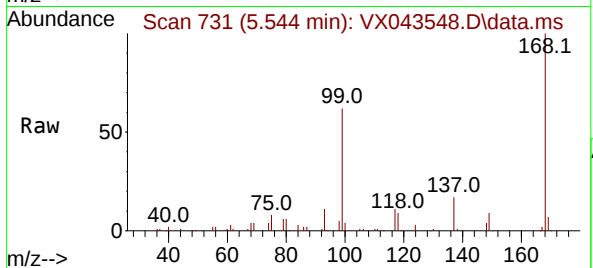
Tgt Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
61 3.0 11.0 16.6#
70 3.3 8.9 13.3#



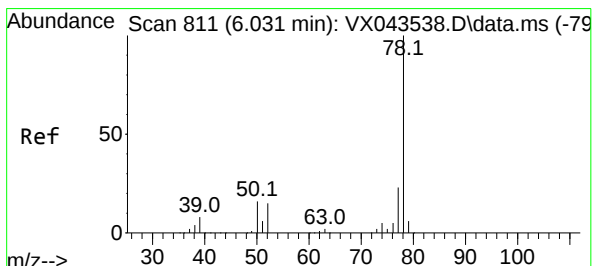
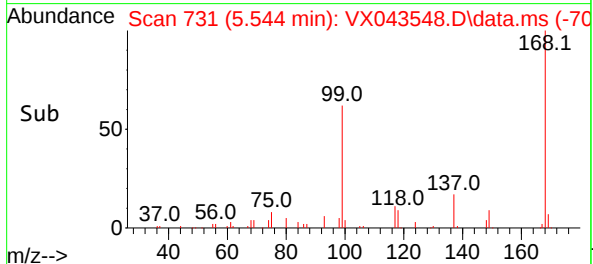
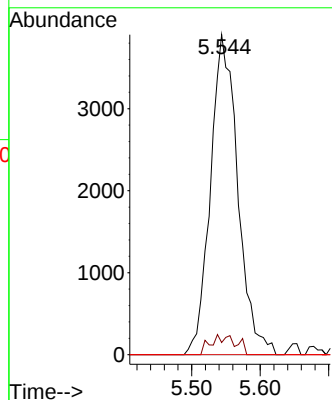


#38
Carbon Tetrachloride
Concen: 5.958 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Instrument :
MSVOA_X
ClientSampleId :

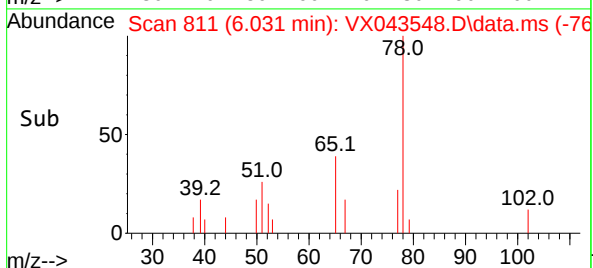
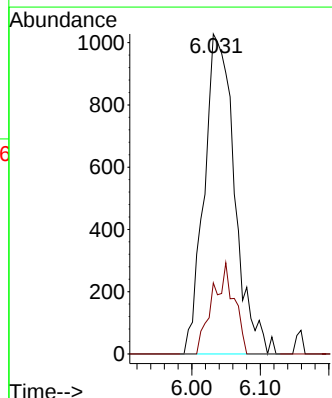
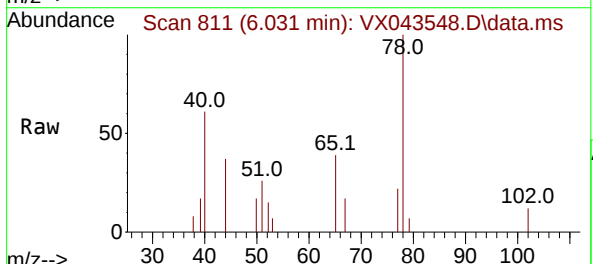


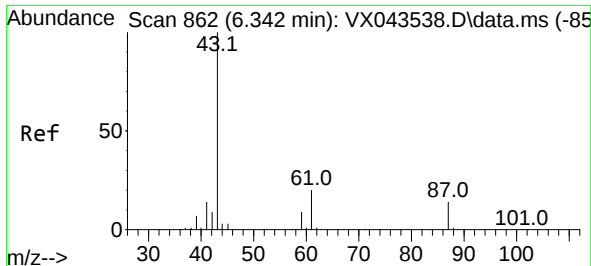
Tgt Ion:117 Resp: 10810
Ion Ratio Lower Upper
117 100
119 3.8 77.0 115.6#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 0.594 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 78 Resp: 3172
Ion Ratio Lower Upper
78 100
77 22.2 18.4 27.6

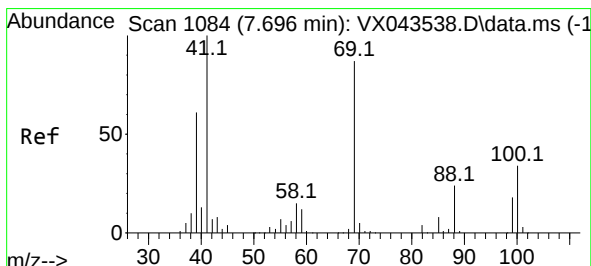
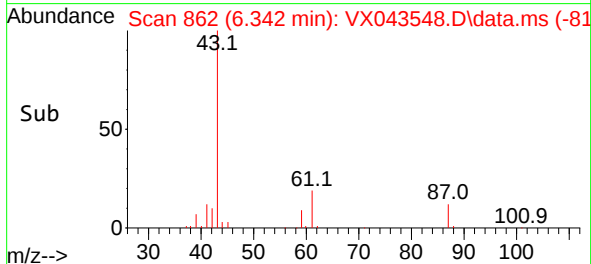
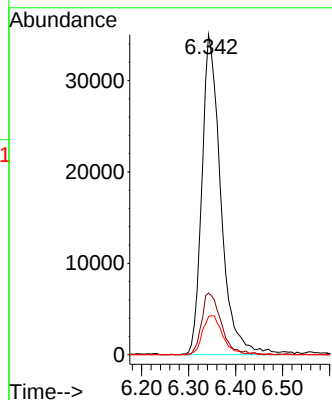
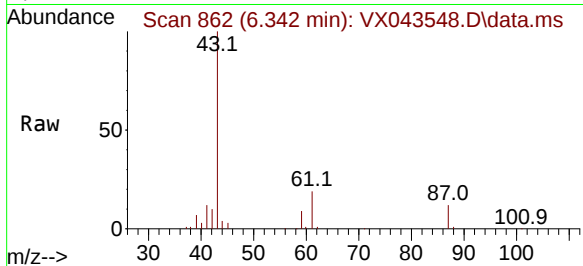




#43
Isopropyl Acetate
Concen: 28.392 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

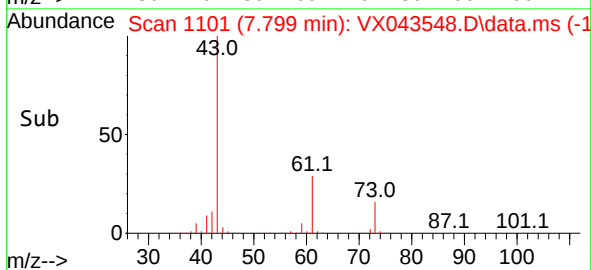
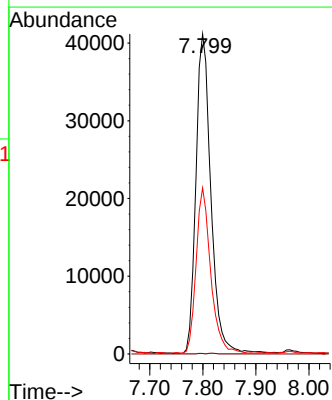
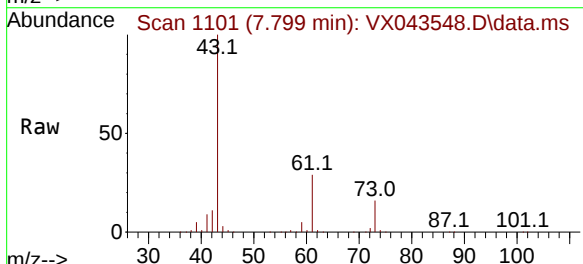
Instrument :
MSVOA_X
ClientSampleId :

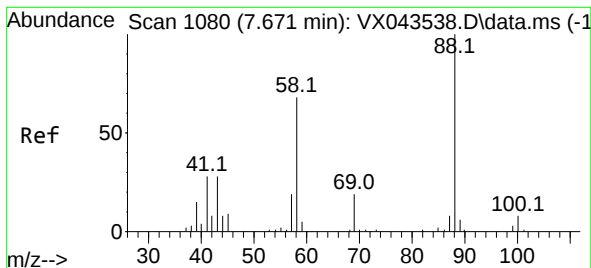
Tgt Ion: 43 Resp: 97876
Ion Ratio Lower Upper
43 100
61 19.8 16.2 24.4
87 12.9 11.0 16.6



#48
Methyl methacrylate
Concen: 49.953 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 41 Resp: 80395
Ion Ratio Lower Upper
41 100
69 0.1 67.7 101.5#
39 50.7 46.3 69.5





#49

1,4-Dioxane

Concen: 1.862 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

Instrument :

MSVOA_X

ClientSampleId :

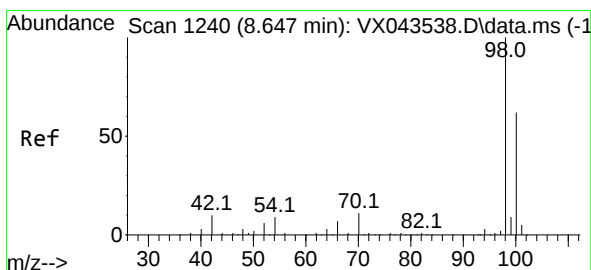
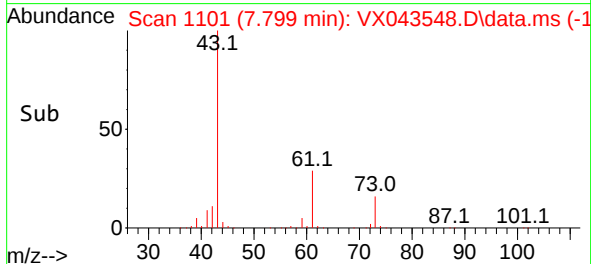
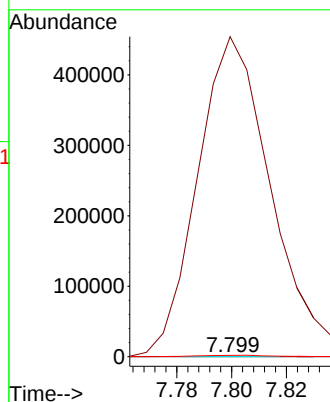
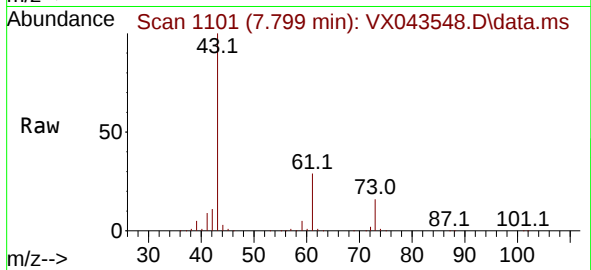
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 1122692.2 25.3 37.9#

58 4980.5 53.9 80.9#



#50

Toluene-d8

Concen: 48.364 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043548.D

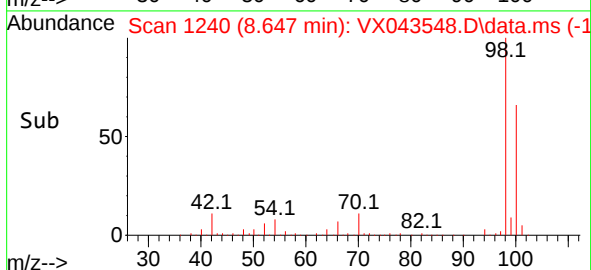
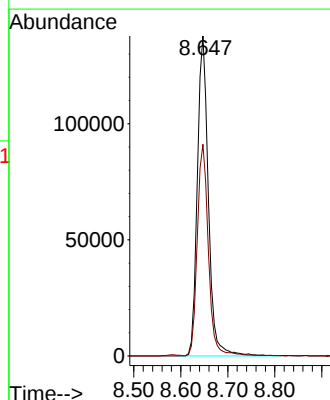
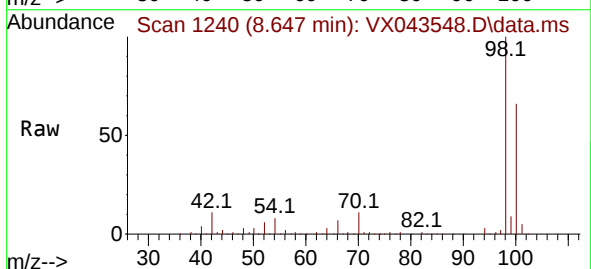
Acq: 26 Oct 2024 04:25

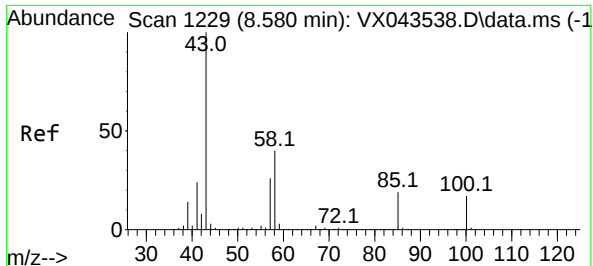
Tgt Ion: 98 Resp: 226247

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 31.579 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

Instrument :

MSVOA_X

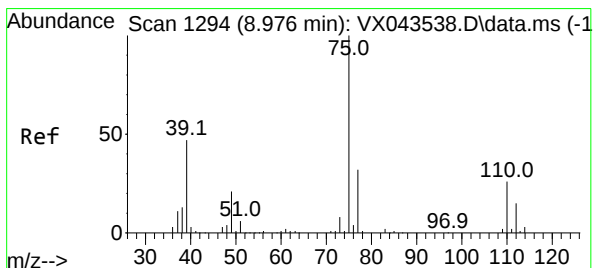
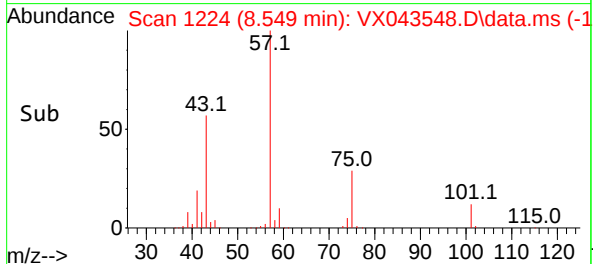
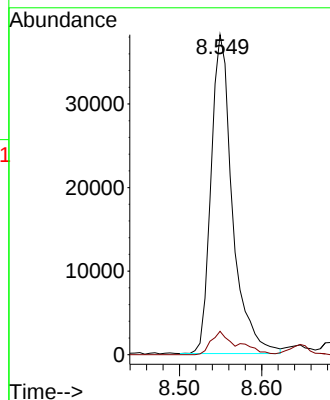
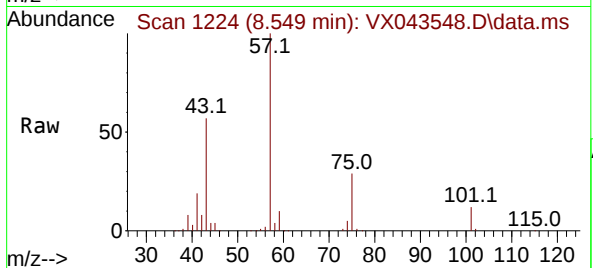
ClientSampleId :

Tgt Ion: 43 Resp: 68977

Ion Ratio Lower Upper

43 100

58 9.0 31.7 47.5#



#53

t-1,3-Dichloropropene

Concen: 0.429 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX043548.D

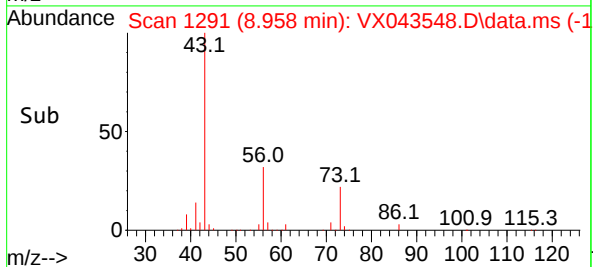
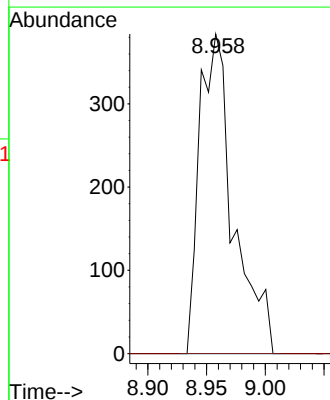
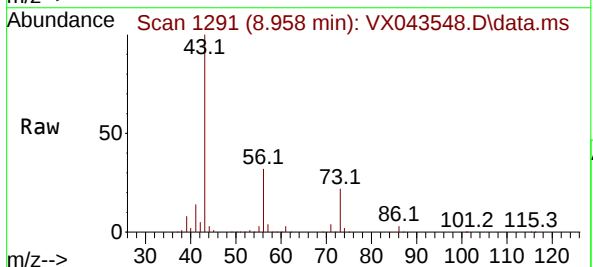
Acq: 26 Oct 2024 04:25

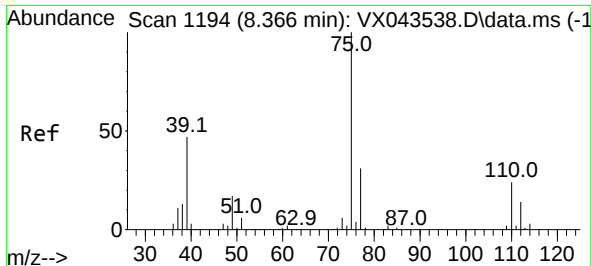
Tgt Ion: 75 Resp: 771

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

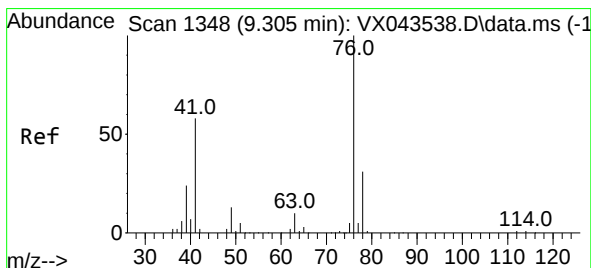
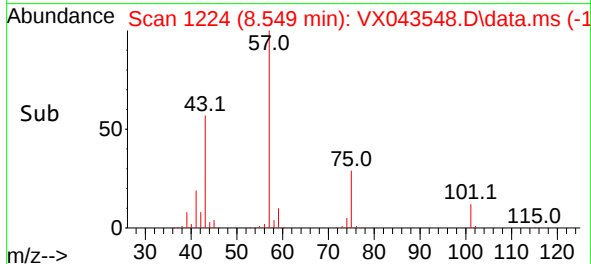
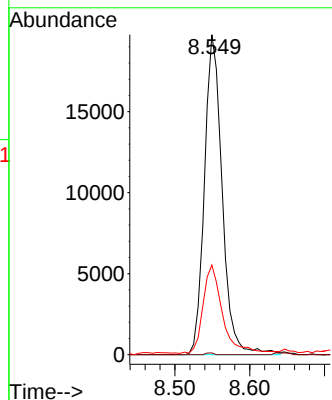
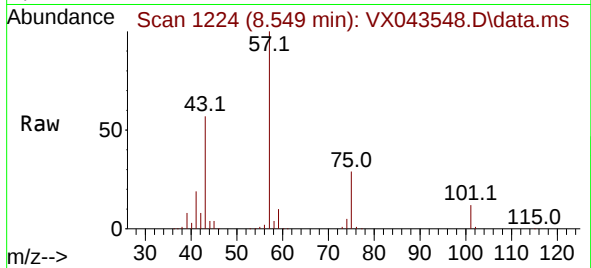




#54
cis-1,3-Dichloropropene
Concen: 16.522 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

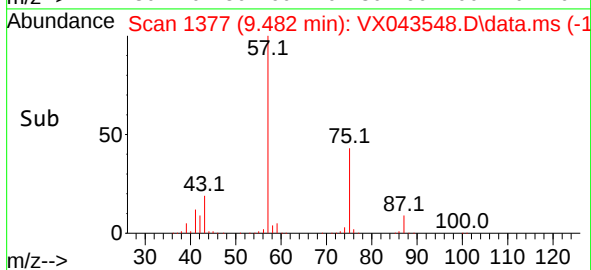
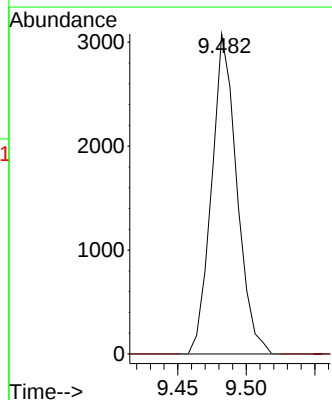
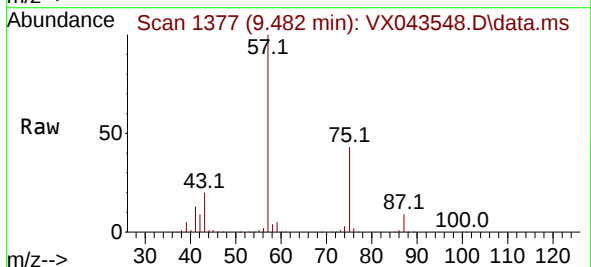
Instrument :
MSVOA_X
ClientSampleId :

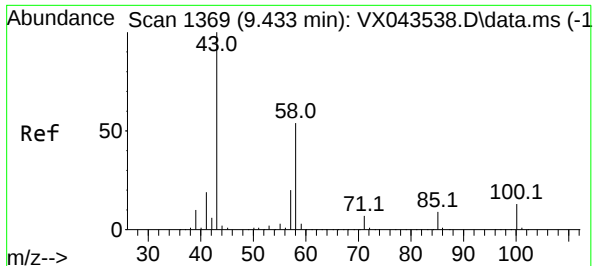
Tgt Ion: 75 Resp: 32617
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 27.6 37.7 56.5#



#57
1,3-Dichloropropane
Concen: 1.722 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 76 Resp: 3949
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 33.711 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

Instrument :

MSVOA_X

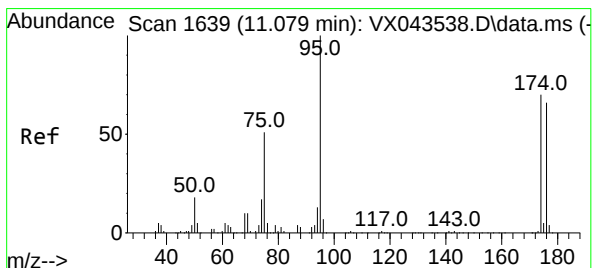
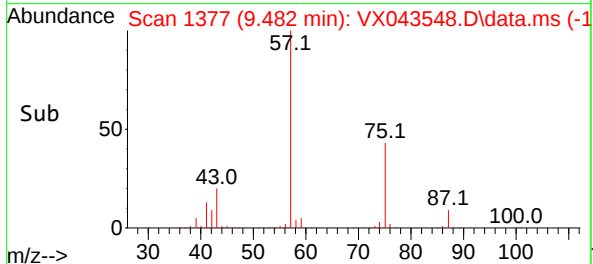
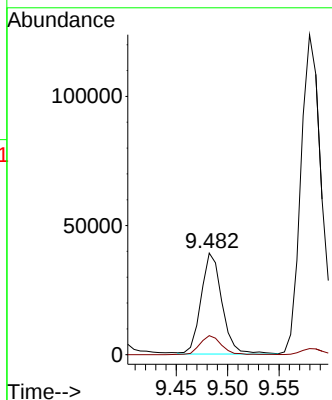
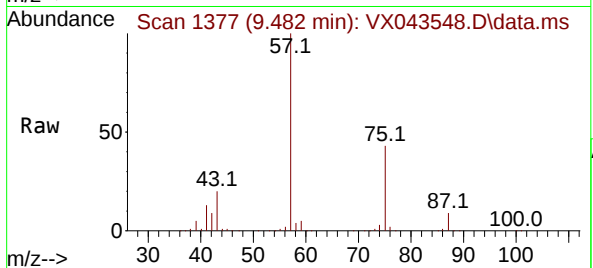
ClientSampleId :

Tgt Ion: 43 Resp: 55677

Ion Ratio Lower Upper

43 100

58 19.6 27.5 82.5#



#62

4-Bromofluorobenzene

Concen: 47.541 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043548.D

Acq: 26 Oct 2024 04:25

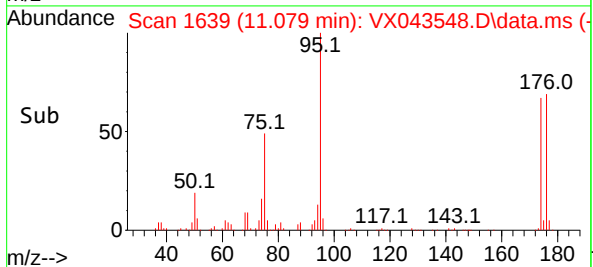
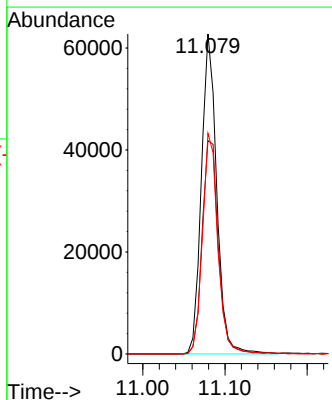
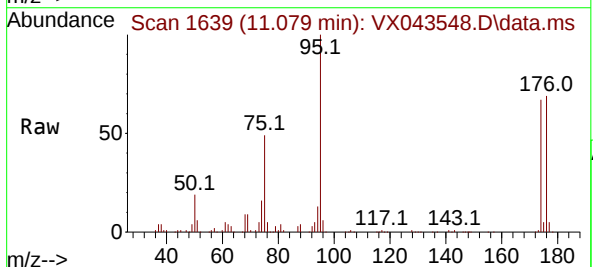
Tgt Ion: 95 Resp: 81232

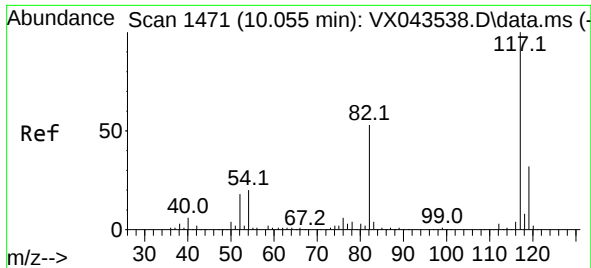
Ion Ratio Lower Upper

95 100

174 70.9 0.0 146.6

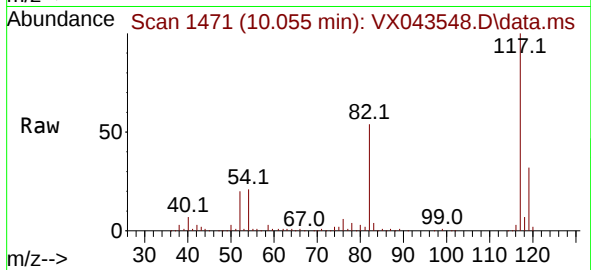
176 69.2 0.0 139.6



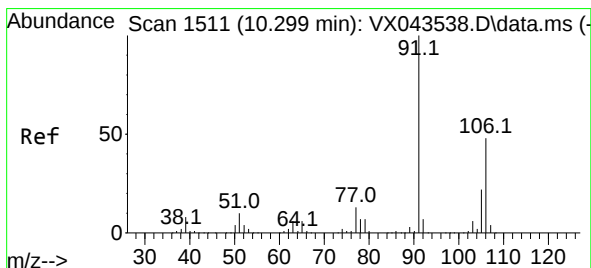
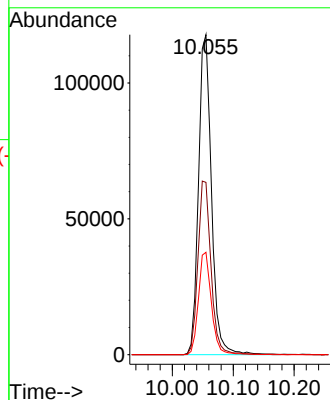
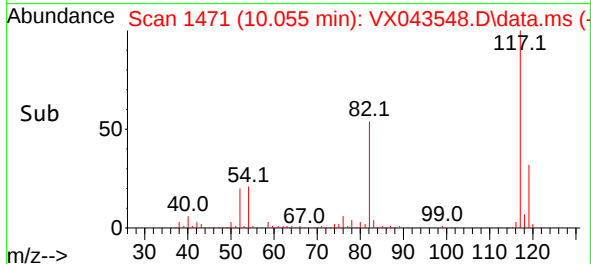


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Instrument :
MSVOA_X
ClientSampleId :

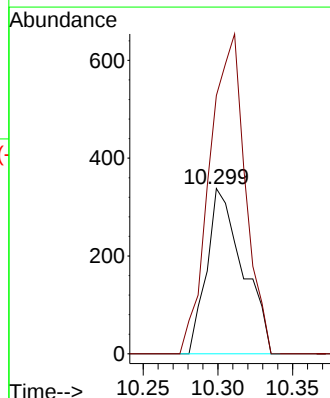
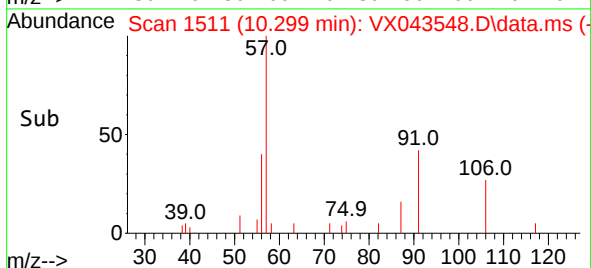
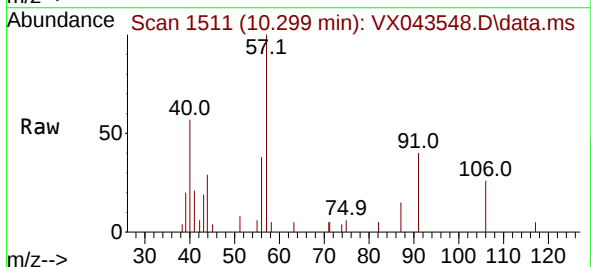


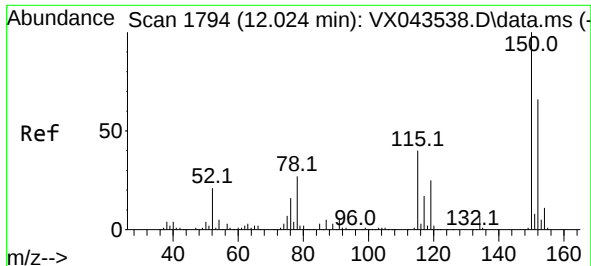
Tgt Ion:117 Resp: 173646
Ion Ratio Lower Upper
117 100
82 53.8 42.1 63.1
119 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 0.248 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion:106 Resp: 564
Ion Ratio Lower Upper
106 100
91 192.7 164.7 247.1

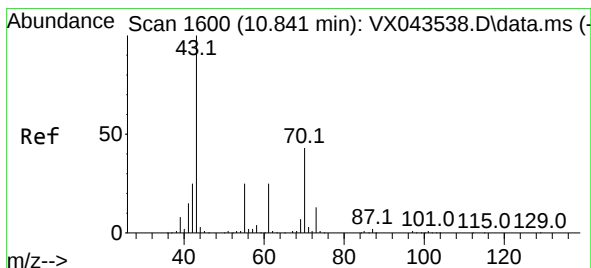
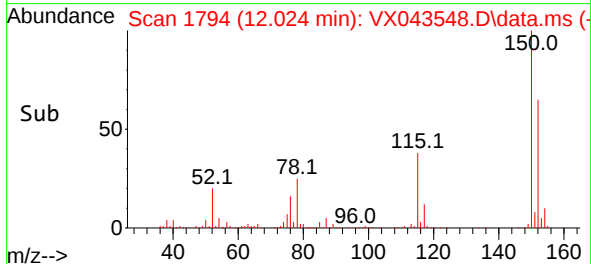
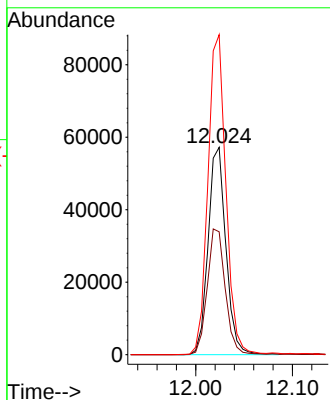
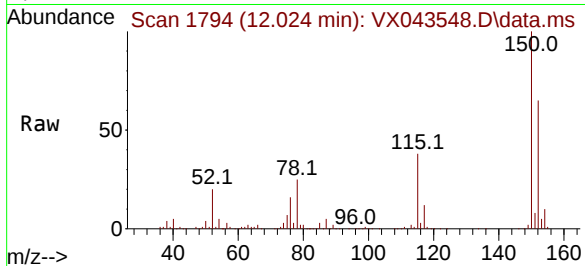




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

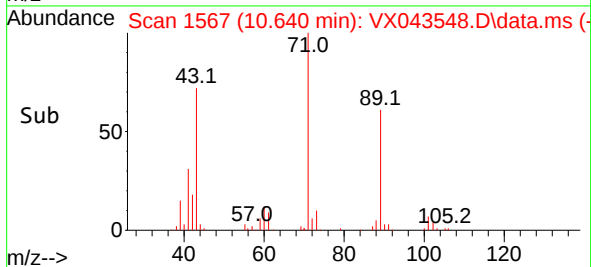
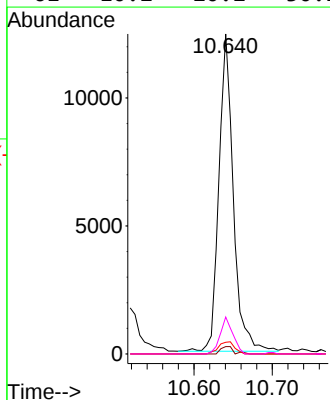
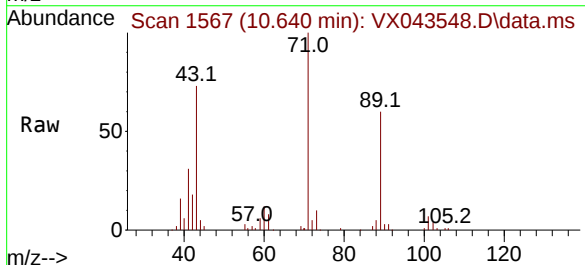
Instrument :
MSVOA_X
ClientSampleId :

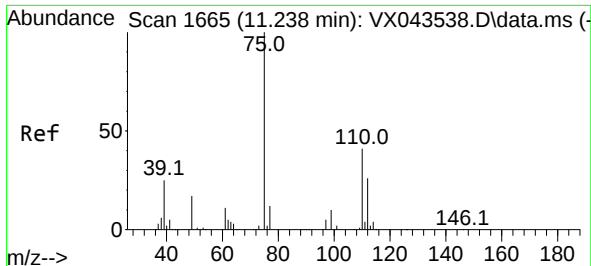
Tgt Ion:152 Resp: 73549
Ion Ratio Lower Upper
152 100
115 61.2 42.9 128.7
150 155.4 0.0 343.6



#74
N-ethyl acetate
Concen: 6.015 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Tgt Ion: 43 Resp: 15928
Ion Ratio Lower Upper
43 100
70 2.1 34.6 52.0#
55 4.3 19.6 29.4#
61 10.2 20.2 30.2#

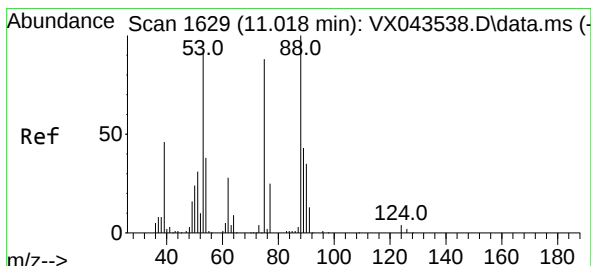
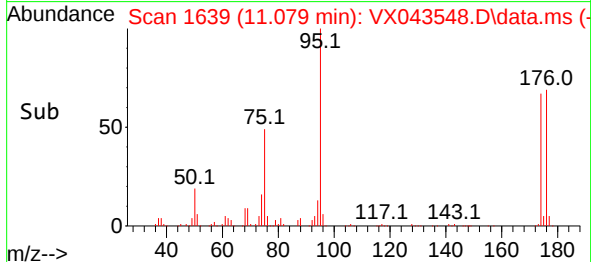
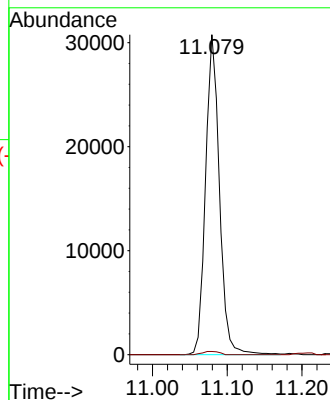
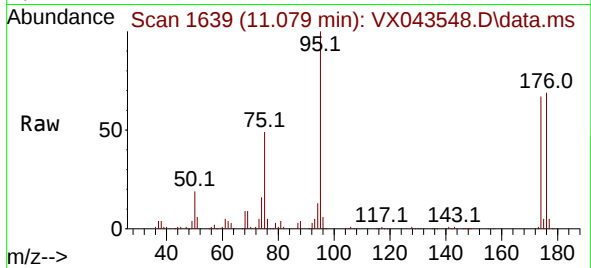




#76
1,2,3-Trichloropropane
Concen: 23.192 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

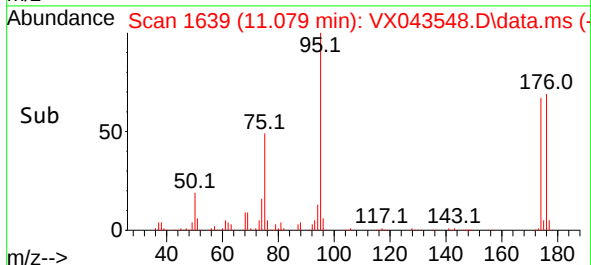
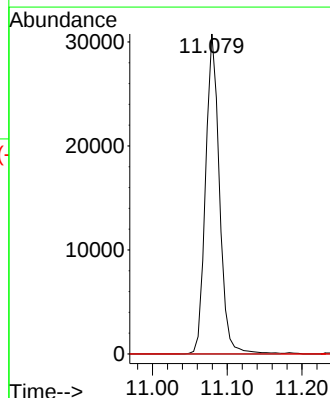
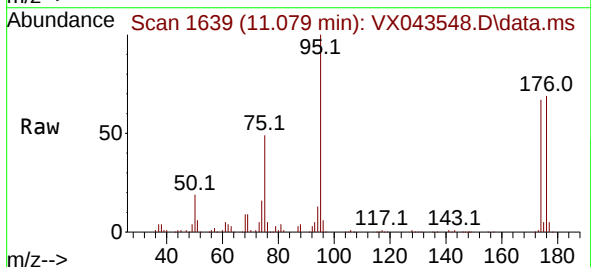
Instrument :
MSVOA_X
ClientSampleId :

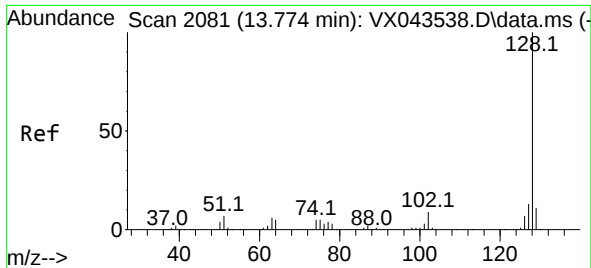
Tgt Ion: 75 Resp: 39654
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

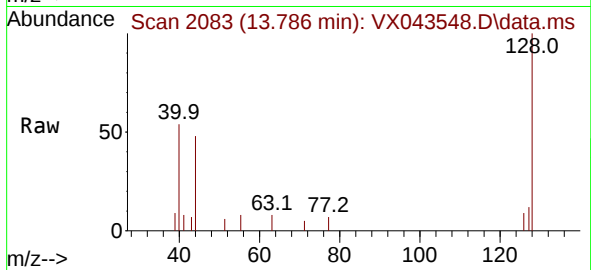
Tgt Ion: 75 Resp: 39654
Ion Ratio Lower Upper
75 100
53 0.0 84.6 126.8#
89 0.0 38.6 58.0#





#95
Naphthalene
Concen: 0.264 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX043548.D
Acq: 26 Oct 2024 04:25

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1576
Ion Ratio Lower Upper
128 100
127 11.4 10.2 15.4
129 5.6 8.7 13.1#

