

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035758.D
 Acq On : 19 May 2023 14:22
 Operator : JC/MD
 Sample : 02842-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 05:16:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

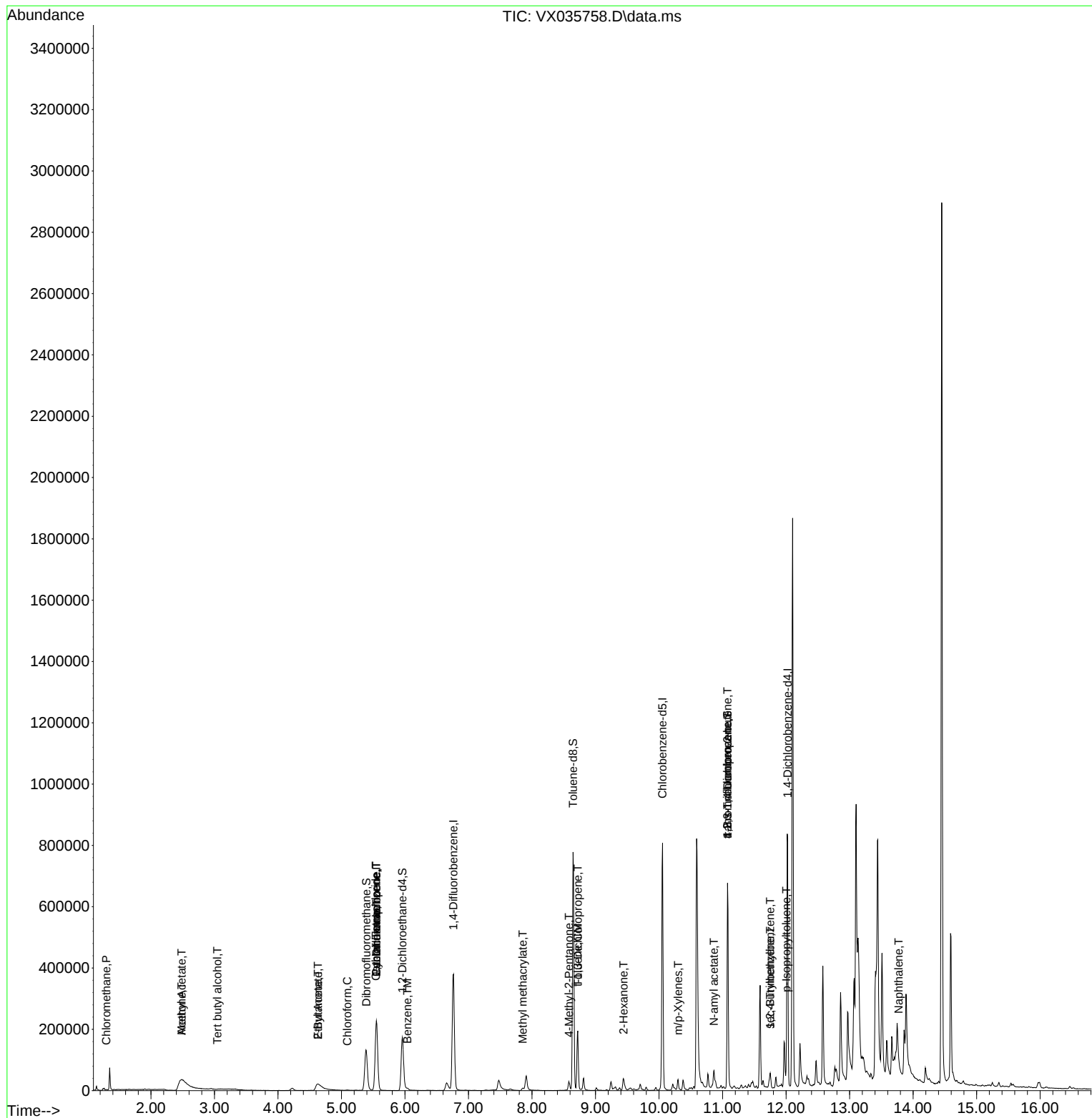
Internal Standards						
1) Pentafluorobenzene	5.550	168	191254	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	363277	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186172	55.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.600%			
35) Dibromofluoromethane	5.391	113	116424	47.521	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	8.647	98	436546	48.234	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.460%			
62) 4-Bromofluorobenzene	11.079	95	178935	49.102	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.200%			
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	745	0.246	ug/l	# 74
11) Tert butyl alcohol	3.044	59	195	0.331	ug/l	# 73
16) Acetone	2.483	43	222841	155.396	ug/l	93
18) Methyl Acetate	2.483	43	166386	31.461	ug/l	# 53
25) 2-Butanone	4.629	43	95826	48.272	ug/l	97
30) Chloroform	5.092	83	1090	0.223	ug/l	# 77
31) Cyclohexane	5.550	56	5493	1.303	ug/l	# 19
36) 1,1-Dichloropropene	5.550	75	18915	4.891	ug/l	# 50
37) Ethyl Acetate	4.629	43	101271	25.107	ug/l	# 70
38) Carbon Tetrachloride	5.544	117	22140	6.044	ug/l	# 16
40) Benzene	6.037	78	4750	0.439	ug/l	98
48) Methyl methacrylate	7.854	41	3871	1.115	ug/l	# 38
51) 4-Methyl-2-Pentanone	8.580	43	19644	4.848	ug/l	97
52) Toluene	8.720	92	67782	9.926	ug/l	97
53) t-1,3-Dichloropropene	8.720	75	944	0.229	ug/l	# 1
59) 2-Hexanone	9.439	43	25881	8.481	ug/l	94
68) m/p-Xylenes	10.299	106	6415	1.272	ug/l	88
74) N-amyl acetate	10.866	43	26469	4.460	ug/l	# 65
76) 1,2,3-Trichloropropane	11.079	75	99785	27.008	ug/l	# 35
81) trans-1,4-Dichloro-2-b...	11.079	75	99785	87.044	ug/l	# 9
84) 1,2,4-Trimethylbenzene	11.750	105	2885	0.266	ug/l	79
85) sec-Butylbenzene	11.750	105	2885	0.219	ug/l	88
86) p-Isopropyltoluene	12.006	119	7605	0.701	ug/l	# 1
95) Naphthalene	13.774	128	9054	0.817	ug/l	# 84

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

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Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

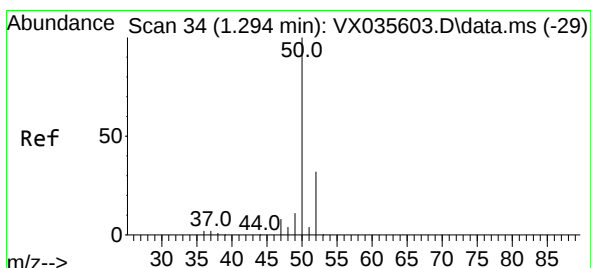
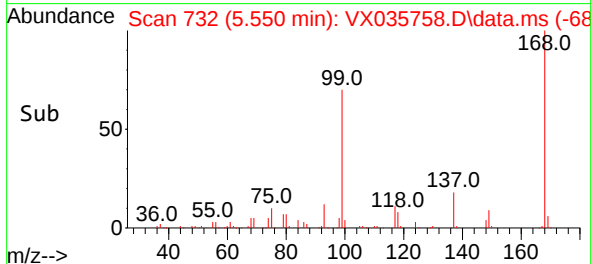
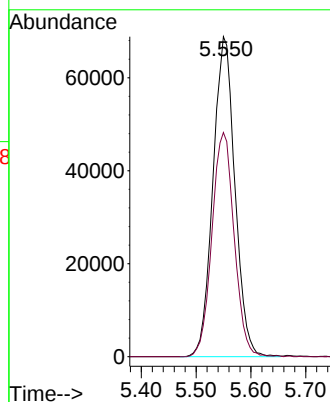
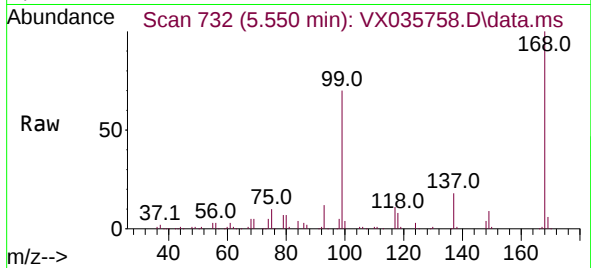




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

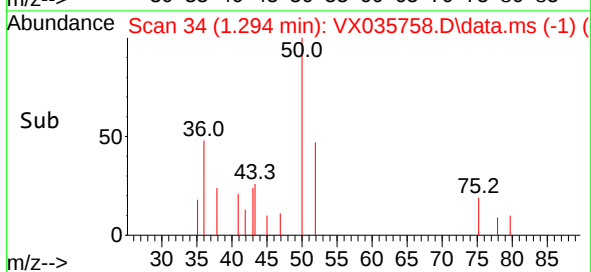
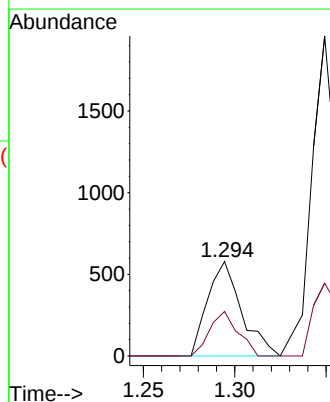
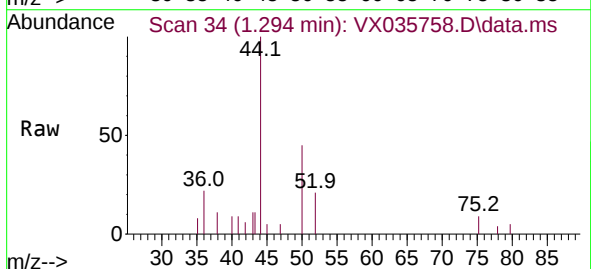
Instrument :
MSVOA_X
ClientSampleId :

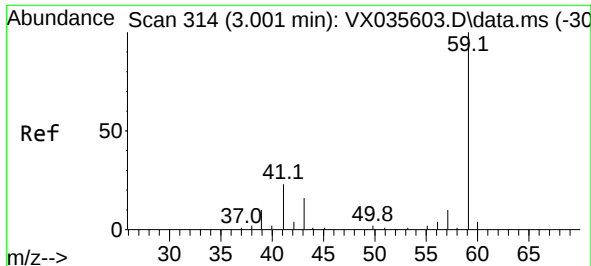
Tgt Ion:168 Resp: 191254
Ion Ratio Lower Upper
168 100
99 70.1 45.7 68.5#



#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 50 Resp: 745
Ion Ratio Lower Upper
50 100
52 47.1 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.331 ug/l

RT: 3.044 min Scan# 31

Delta R.T. 0.043 min

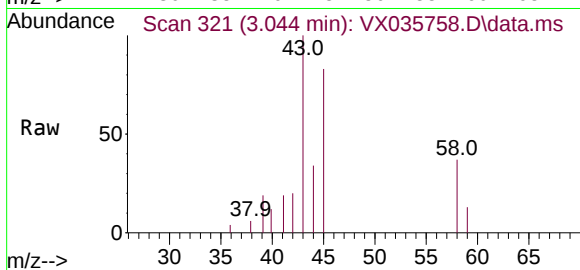
Lab File: VX035758.D

Acq: 19 May 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

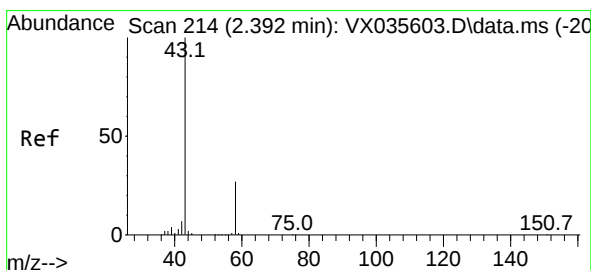
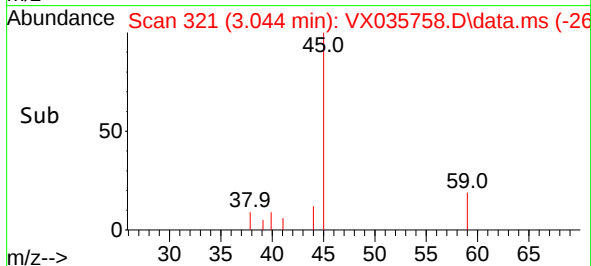
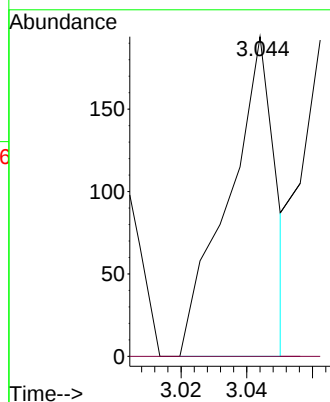


Tgt Ion: 59 Resp: 195

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 155.396 ug/l

RT: 2.483 min Scan# 229

Delta R.T. 0.091 min

Lab File: VX035758.D

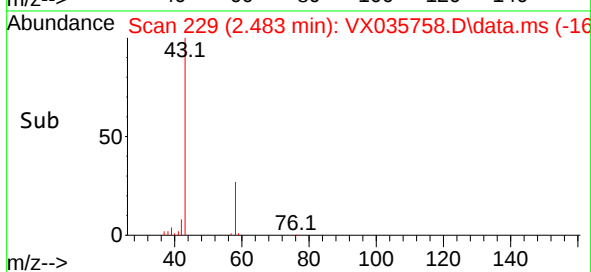
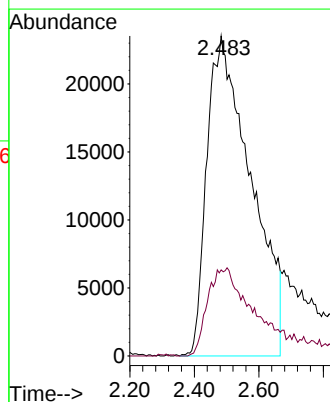
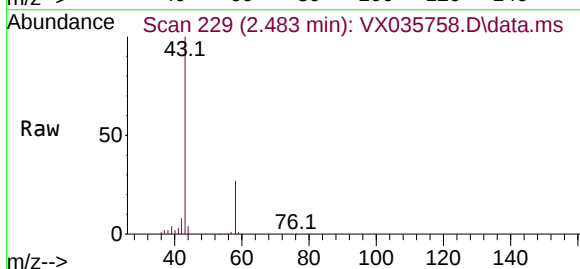
Acq: 19 May 2023 14:22

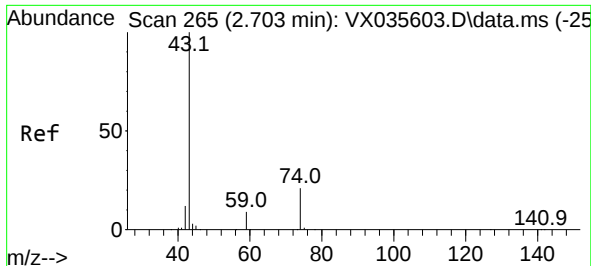
Tgt Ion: 43 Resp: 222841

Ion Ratio Lower Upper

43 100

58 26.9 24.7 37.1

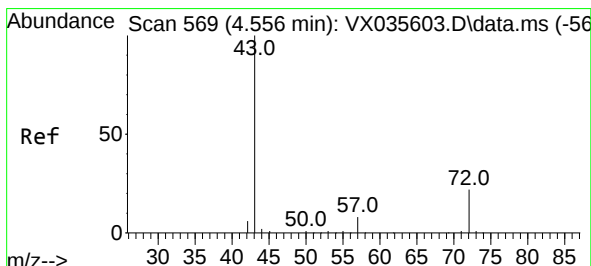
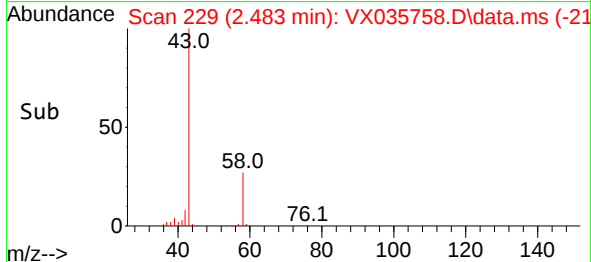
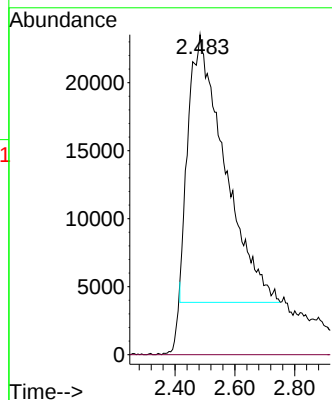
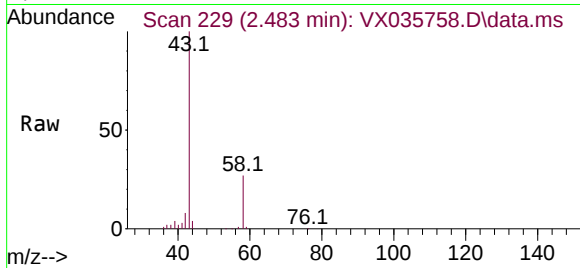




#18
Methyl Acetate
Concen: 31.461 ug/l
RT: 2.483 min Scan# 21
Delta R.T. -0.220 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

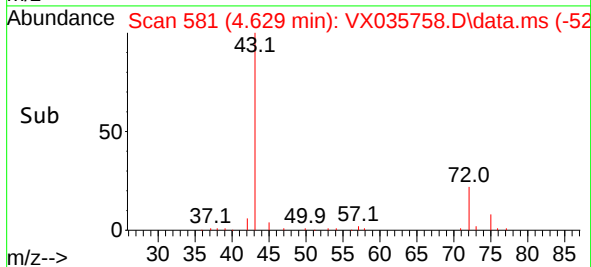
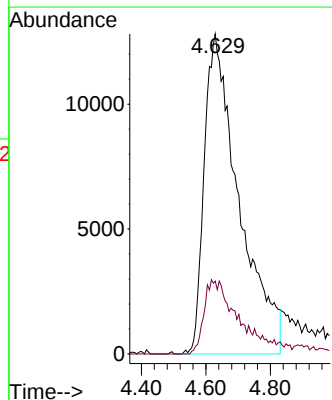
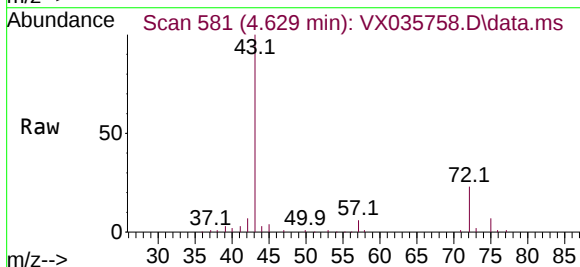
Instrument :
MSVOA_X
ClientSampleId :

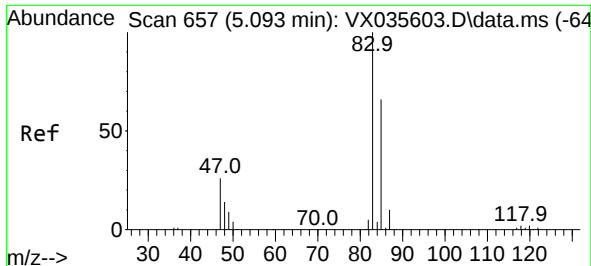
Tgt Ion: 43 Resp: 166386
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#25
2-Butanone
Concen: 48.272 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.073 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 43 Resp: 95826
Ion Ratio Lower Upper
43 100
72 22.8 19.3 28.9

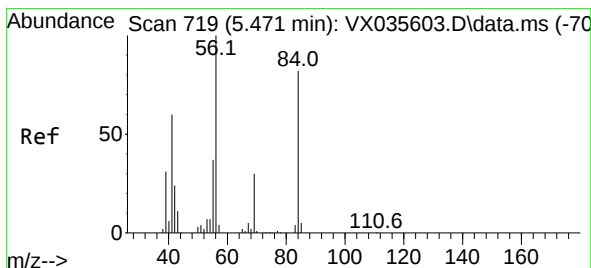
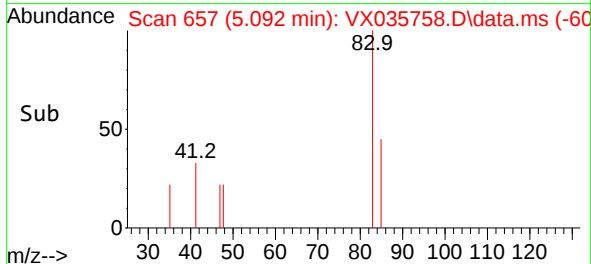
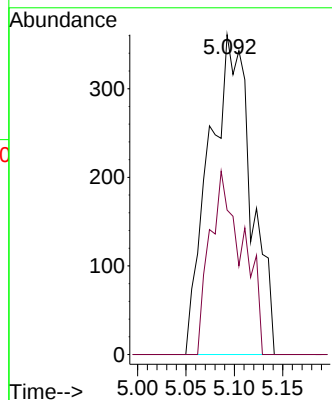
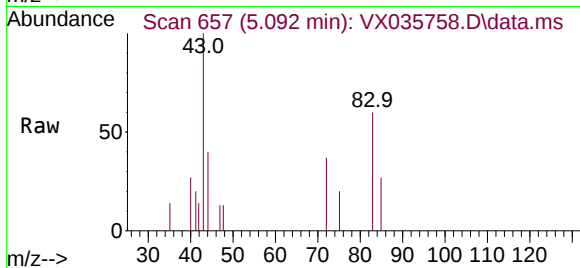




#30
Chloroform
Concen: 0.223 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

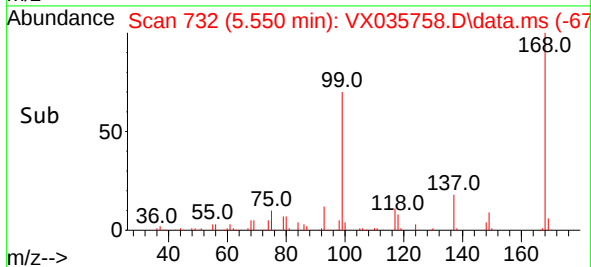
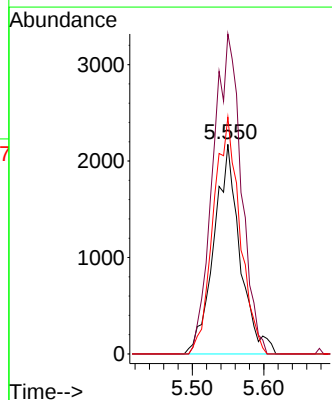
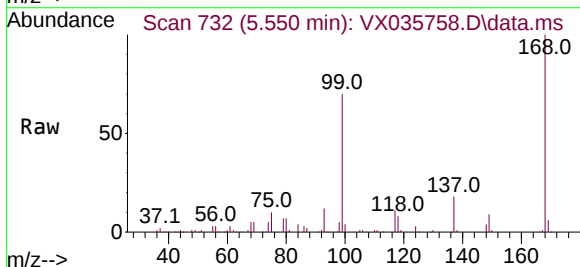
Instrument :
MSVOA_X
ClientSampleId :

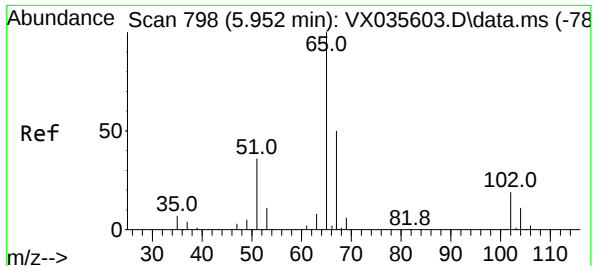
Tgt Ion: 83 Resp: 1090
Ion Ratio Lower Upper
83 100
85 45.2 50.6 76.0#



#31
Cyclohexane
Concen: 1.303 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 56 Resp: 5493
Ion Ratio Lower Upper
56 100
69 152.6 23.7 35.5#
84 113.0 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 55.799 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035758.D

Acq: 19 May 2023 14:22

Instrument :

MSVOA_X

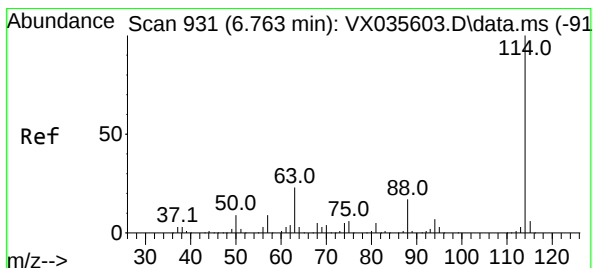
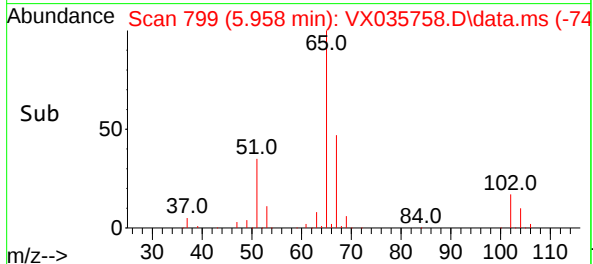
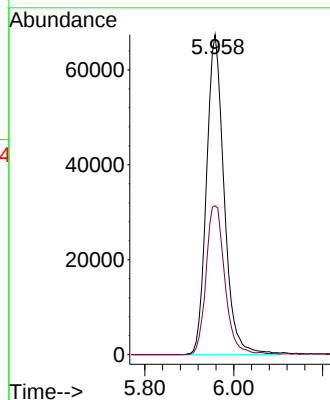
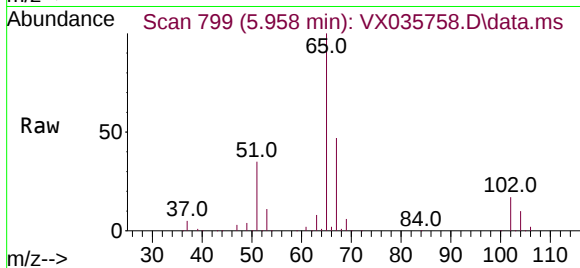
ClientSampleId :

Tgt Ion: 65 Resp: 186172

Ion Ratio Lower Upper

65 100

67 49.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035758.D

Acq: 19 May 2023 14:22

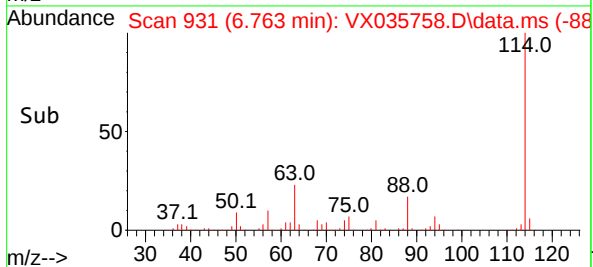
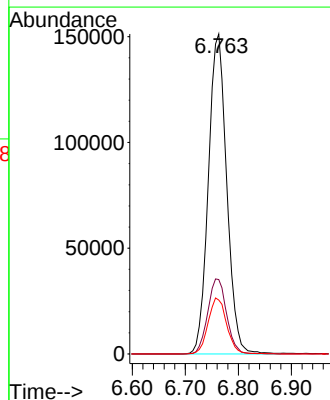
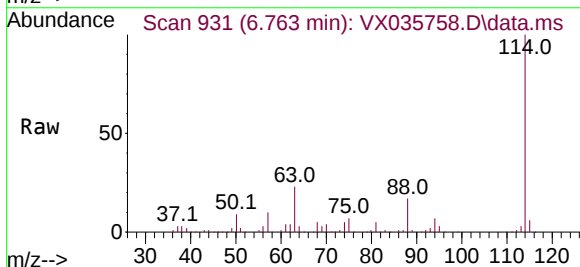
Tgt Ion: 114 Resp: 363277

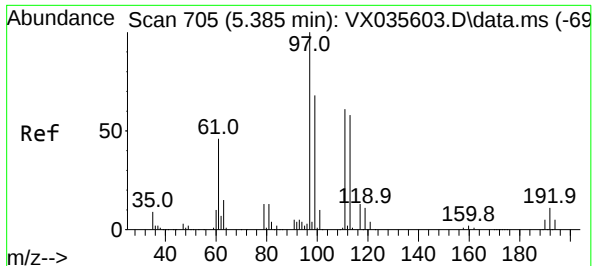
Ion Ratio Lower Upper

114 100

63 23.2 0.0 42.2

88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.521 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

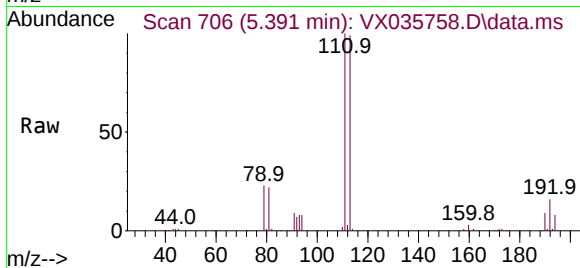
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Acq: 19 May 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :



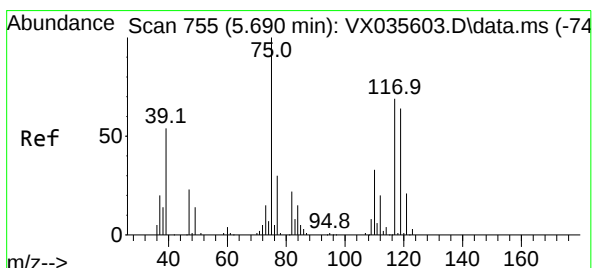
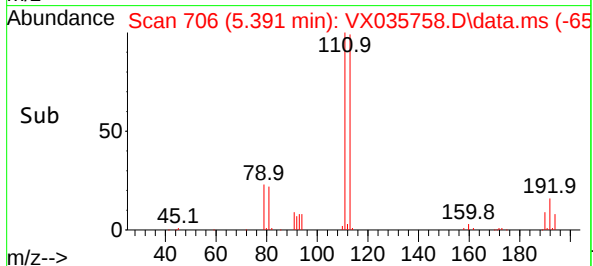
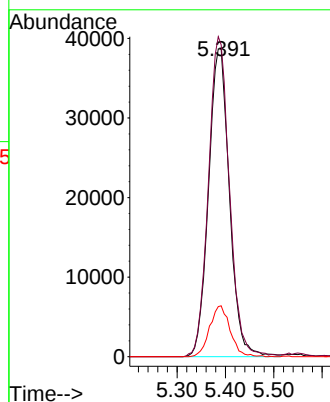
Tgt Ion:113 Resp: 116424

Ion Ratio Lower Upper

113 100

111 104.6 83.7 125.5

192 16.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.891 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035758.D

Acq: 19 May 2023 14:22

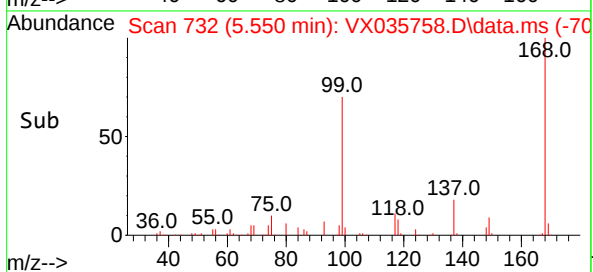
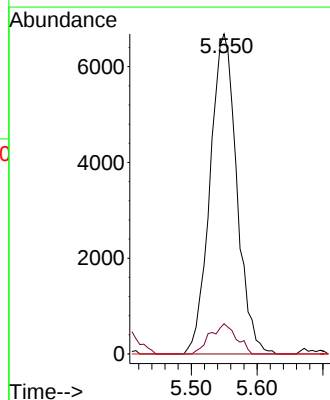
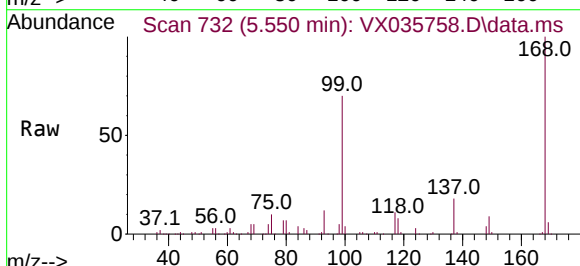
Tgt Ion: 75 Resp: 18915

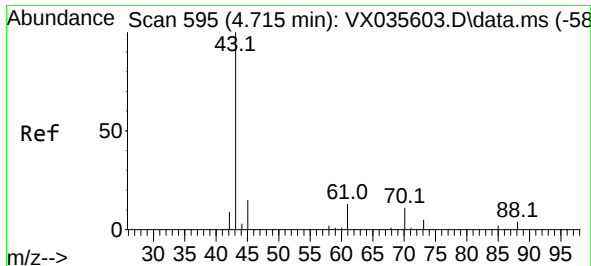
Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 25.107 ug/l

RT: 4.629 min Scan# 51

Delta R.T. -0.086 min

Lab File: VX035758.D

Acq: 19 May 2023 14:22

Instrument :

MSVOA_X

ClientSampleId :

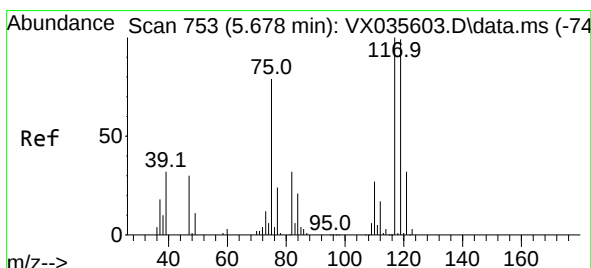
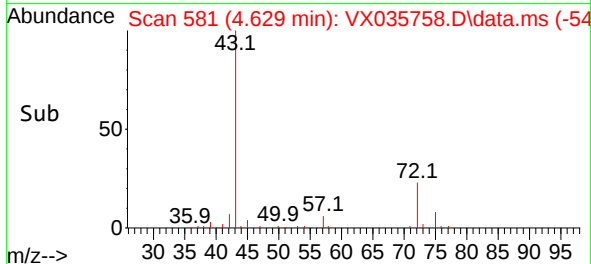
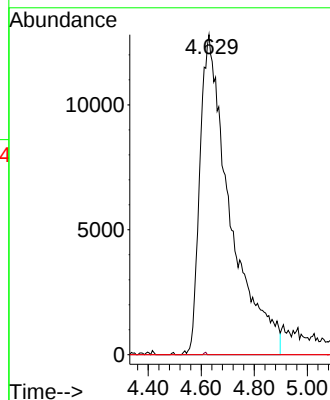
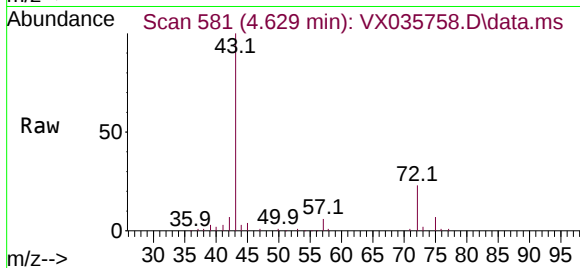
Tgt Ion: 43 Resp: 101271

Ion Ratio Lower Upper

43 100

61 0.1 10.2 15.4#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.044 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX035758.D

Acq: 19 May 2023 14:22

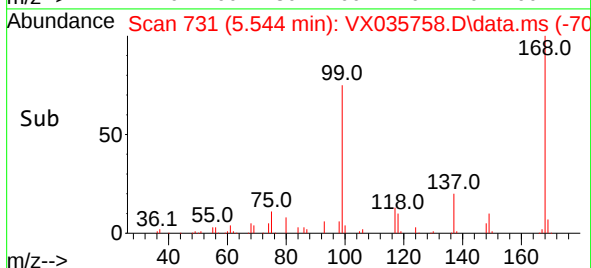
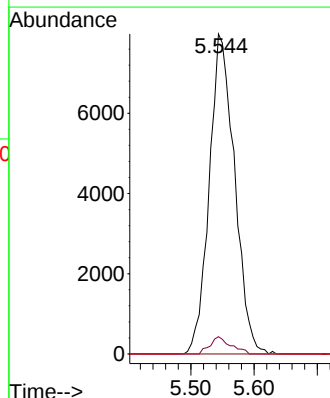
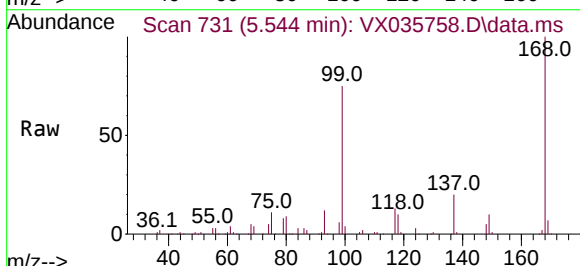
Tgt Ion: 117 Resp: 22140

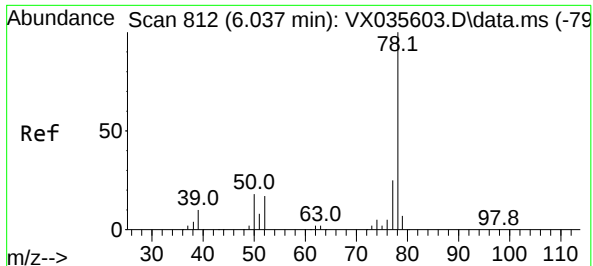
Ion Ratio Lower Upper

117 100

119 5.4 76.6 114.8#

121 0.0 23.8 35.6#

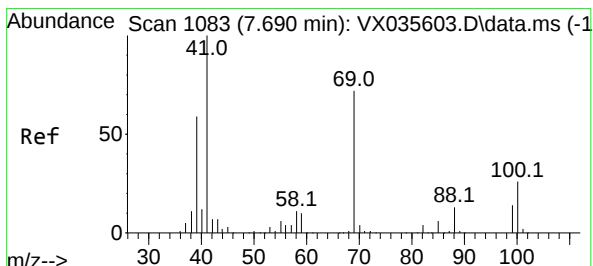
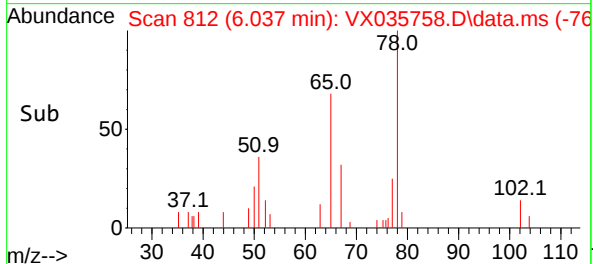
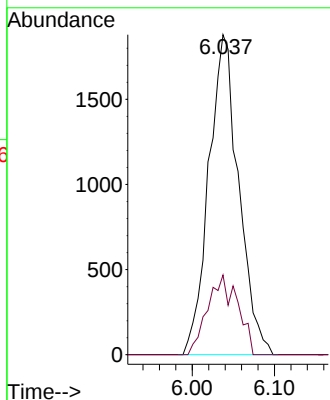
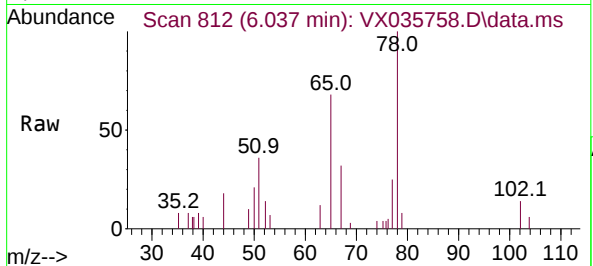




#40
Benzene
Concen: 0.439 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

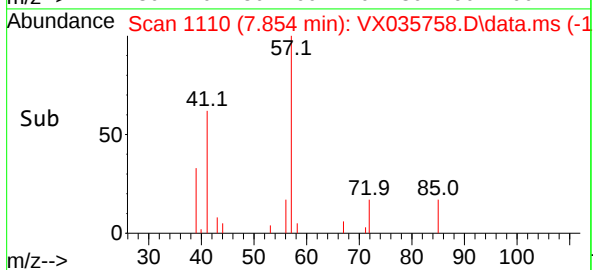
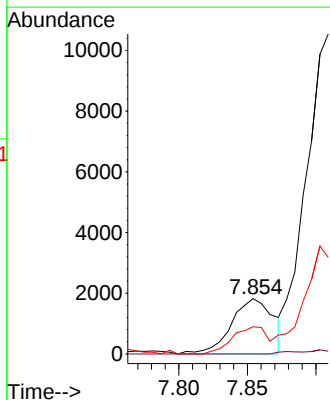
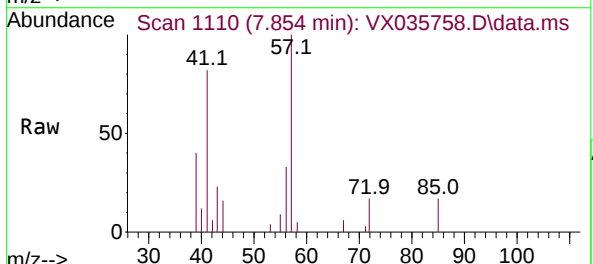
Instrument :
MSVOA_X
ClientSampleId :

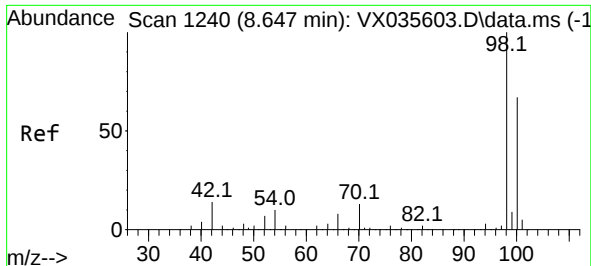
Tgt Ion: 78 Resp: 4750
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.4



#48
Methyl methacrylate
Concen: 1.115 ug/l
RT: 7.854 min Scan# 1110
Delta R.T. 0.164 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 41 Resp: 3871
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 40.6 47.7 71.5#

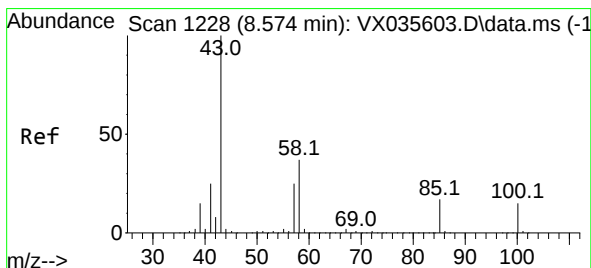
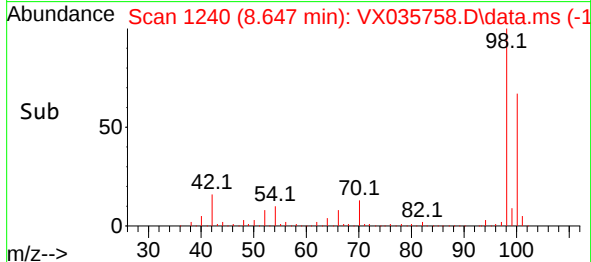
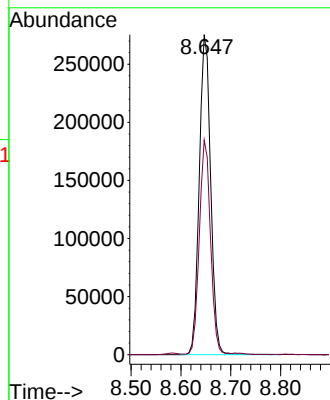
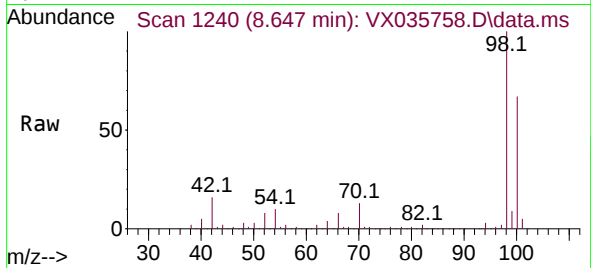




#50
Toluene-d8
Concen: 48.234 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

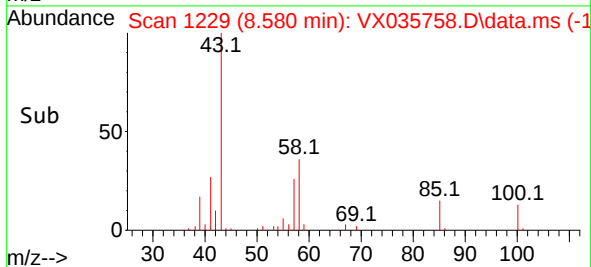
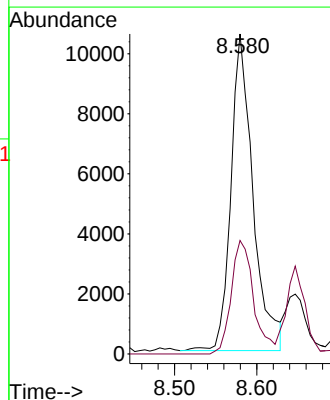
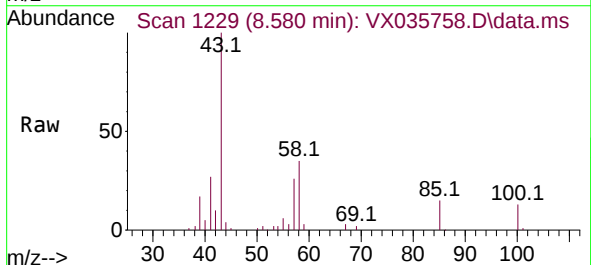
Instrument :
MSVOA_X
ClientSampleId :

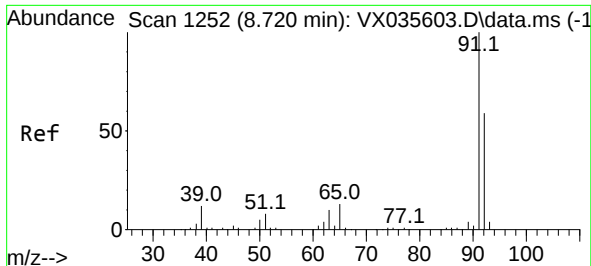
Tgt Ion: 98 Resp: 436546
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 4.848 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 43 Resp: 19644
Ion Ratio Lower Upper
43 100
58 36.4 30.6 46.0





#52

Toluene

Concen: 9.926 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035758.D

Acq: 19 May 2023 14:22

Instrument :

MSVOA_X

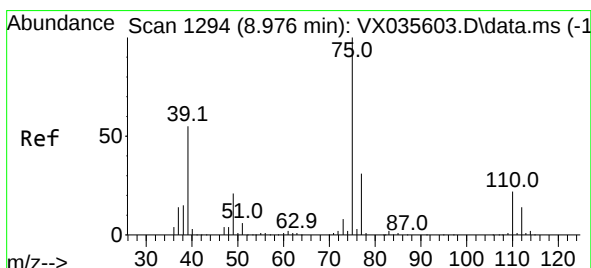
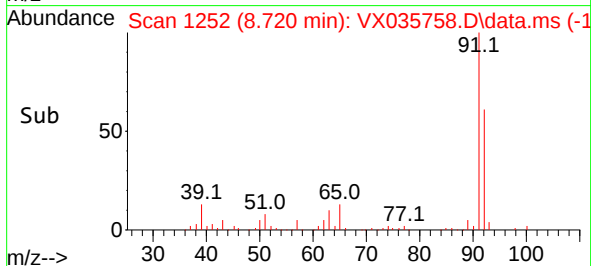
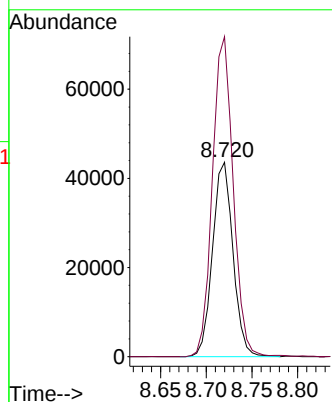
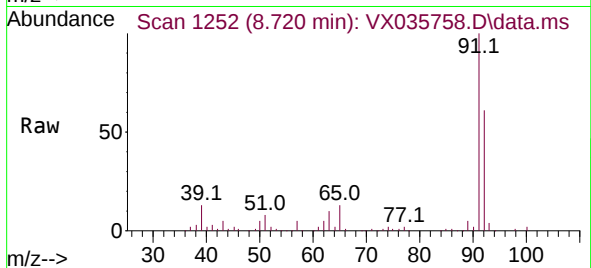
ClientSampleId :

Tgt Ion: 92 Resp: 67782

Ion Ratio Lower Upper

92 100

91 167.4 136.8 205.2



#53

t-1,3-Dichloropropene

Concen: 0.229 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.256 min

Lab File: VX035758.D

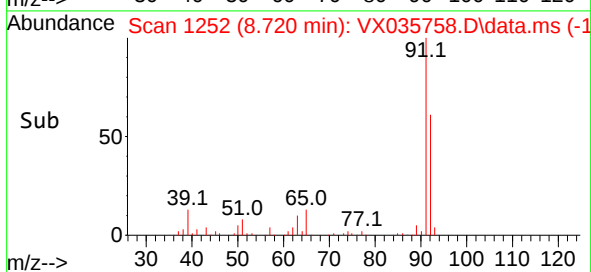
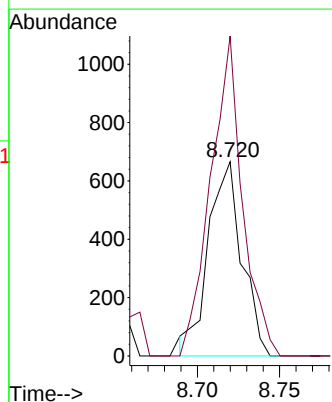
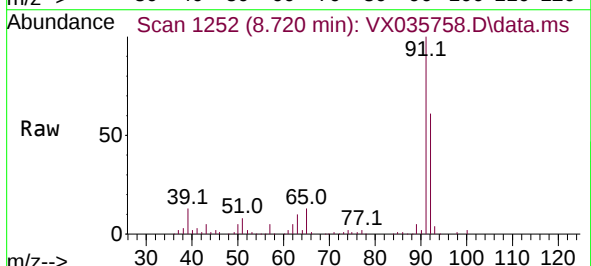
Acq: 19 May 2023 14:22

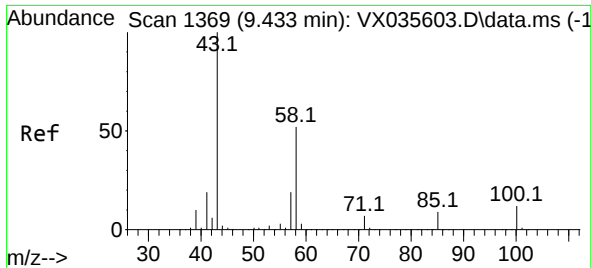
Tgt Ion: 75 Resp: 944

Ion Ratio Lower Upper

75 100

77 164.7 25.4 38.2#

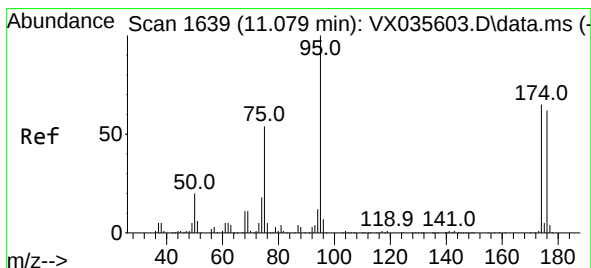
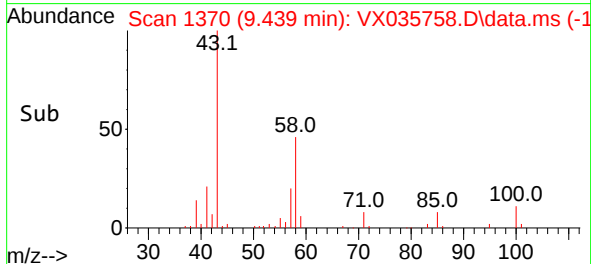
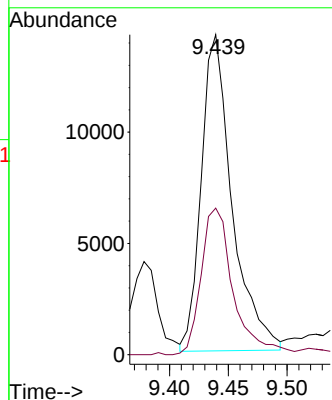
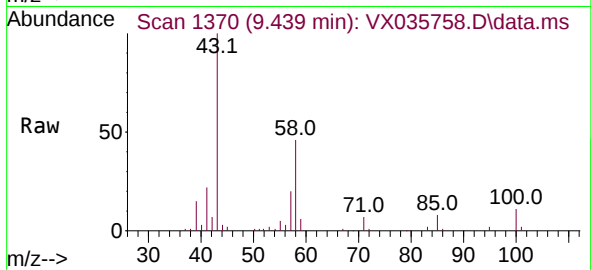




#59
2-Hexanone
Concen: 8.481 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

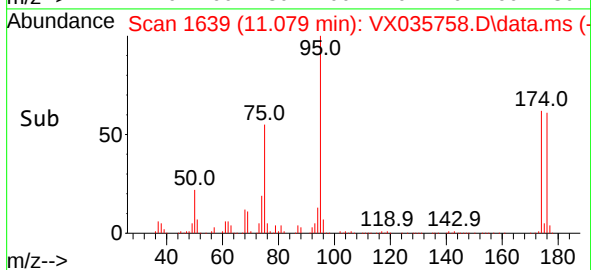
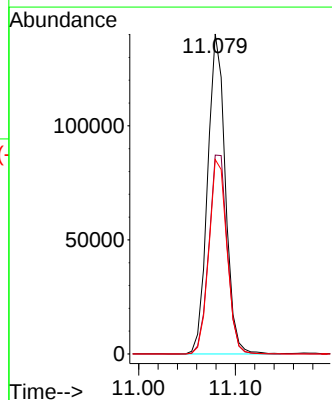
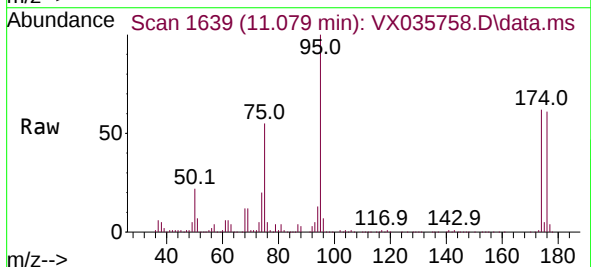
Instrument :
MSVOA_X
ClientSampleId :

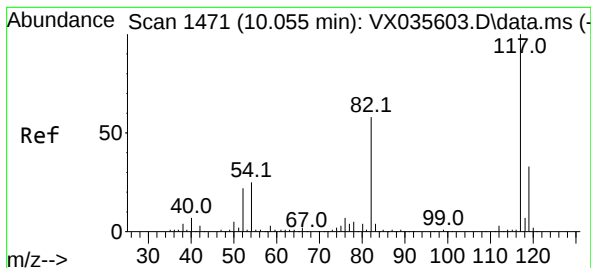
Tgt Ion: 43 Resp: 25881
Ion Ratio Lower Upper
43 100
58 48.3 26.3 78.9



#62
4-Bromofluorobenzene
Concen: 49.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 95 Resp: 178935
Ion Ratio Lower Upper
95 100
174 64.2 0.0 147.4
176 61.7 0.0 140.6

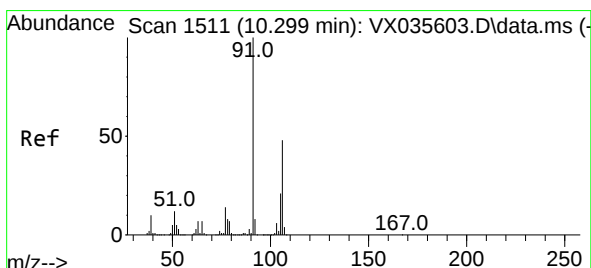
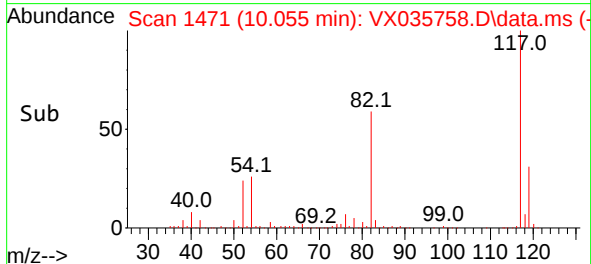
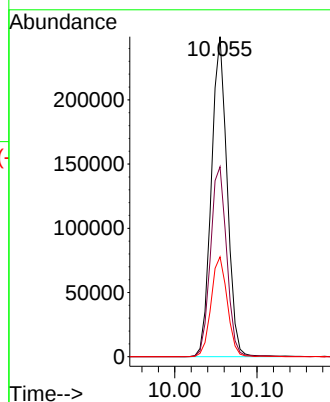
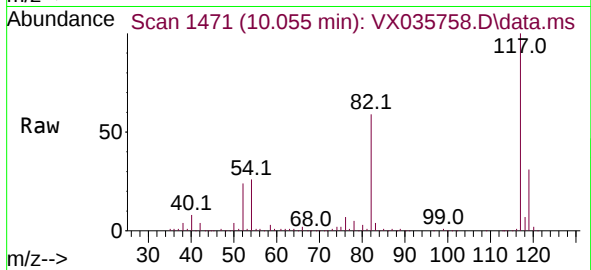




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

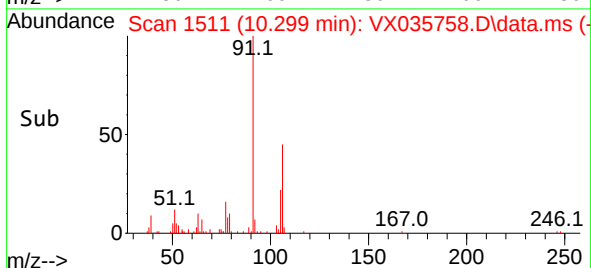
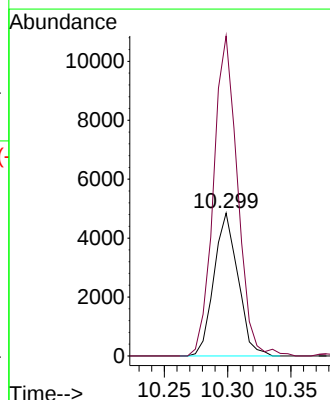
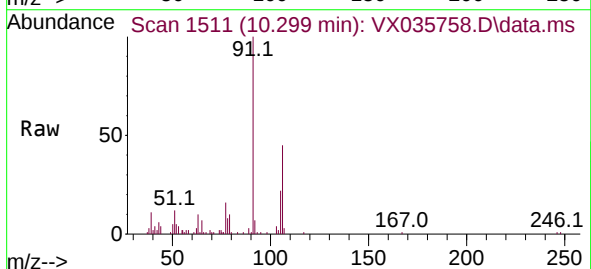
Instrument :
MSVOA_X
ClientSampleId :

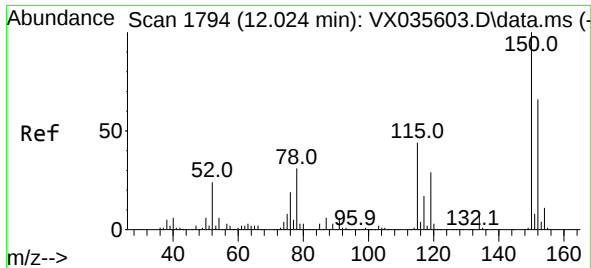
Tgt Ion:117 Resp: 332300
Ion Ratio Lower Upper
117 100
82 59.3 45.0 67.4
119 31.2 26.0 39.0



#68
m/p-Xylenes
Concen: 1.272 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion:106 Resp: 6415
Ion Ratio Lower Upper
106 100
91 223.9 164.0 246.0

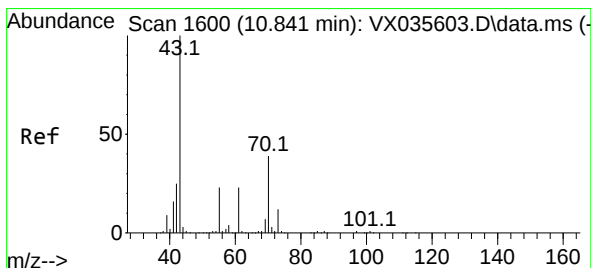
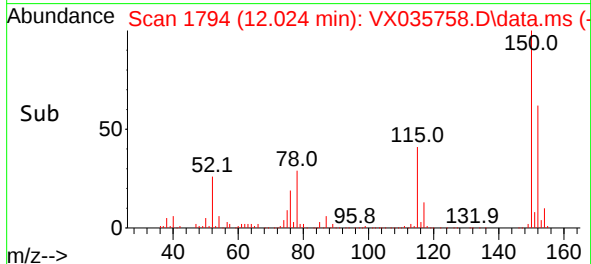
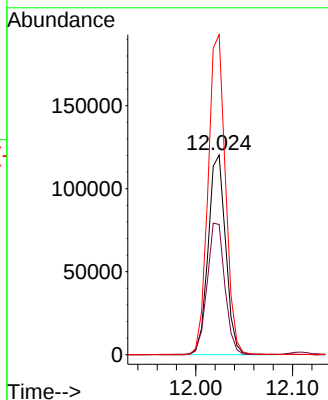
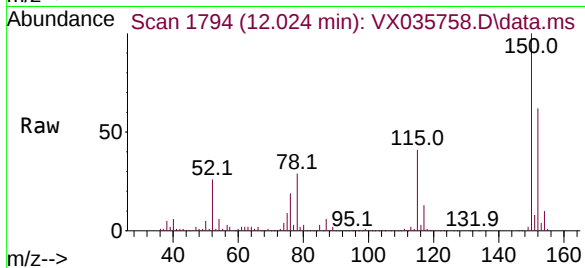




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

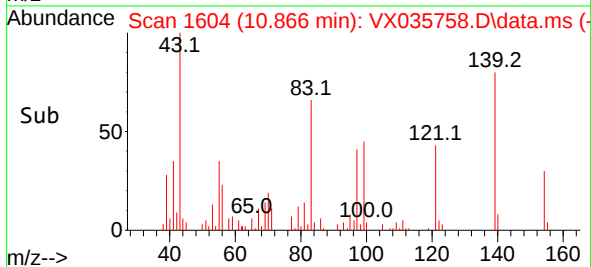
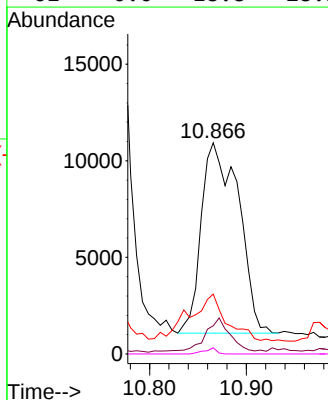
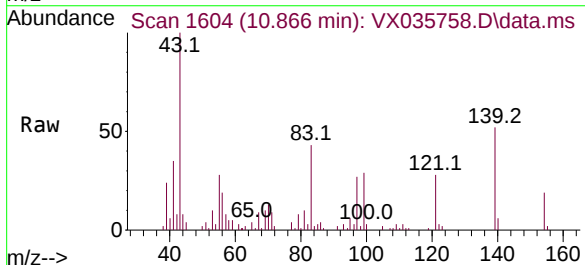
Instrument :
MSVOA_X
ClientSampleId :

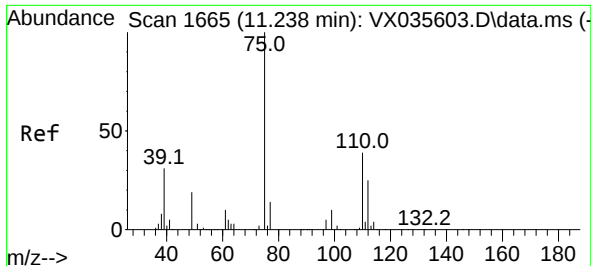
Tgt Ion:152 Resp: 151045
Ion Ratio Lower Upper
152 100
115 67.5 45.0 135.0
150 159.7 0.0 352.4



#74
N-ethyl acetate
Concen: 4.460 ug/l
RT: 10.866 min Scan# 1604
Delta R.T. 0.025 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 43 Resp: 26469
Ion Ratio Lower Upper
43 100
70 12.4 32.1 48.1#
55 25.2 18.3 27.5
61 0.0 18.8 28.2#

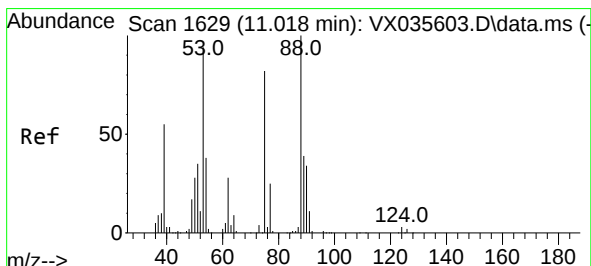
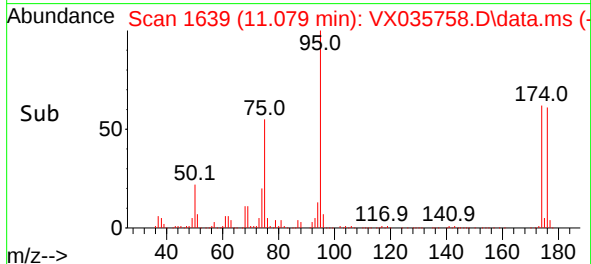
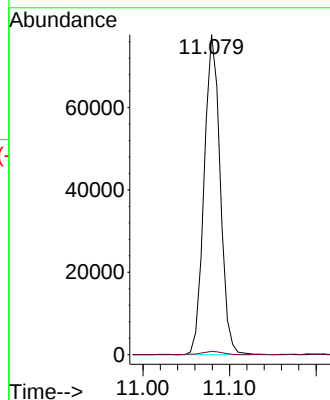
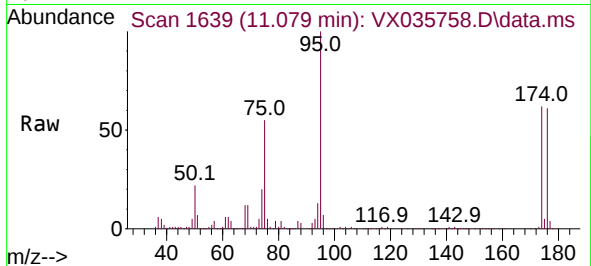




#76
1,2,3-Trichloropropane
Concen: 27.008 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

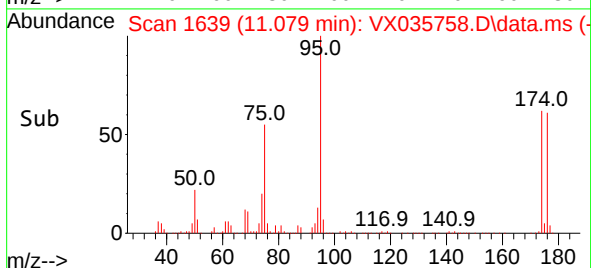
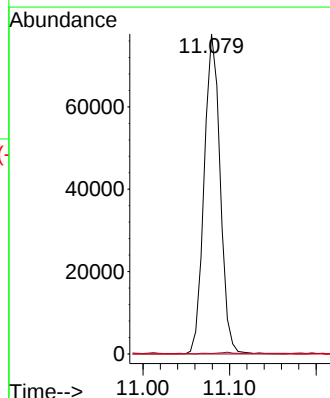
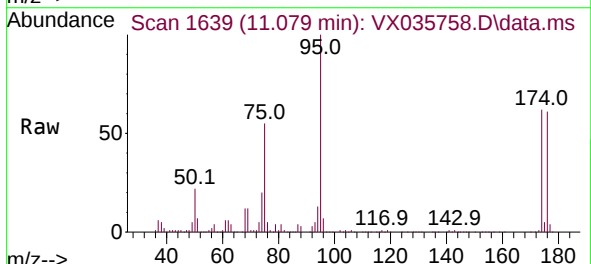
Instrument :
MSVOA_X
ClientSampleId :

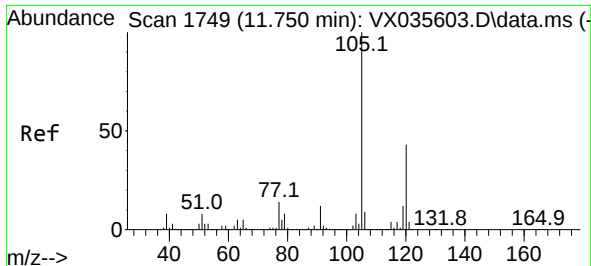
Tgt Ion: 75 Resp: 99785
Ion Ratio Lower Upper
75 100
77 1.4 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.044 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion: 75 Resp: 99785
Ion Ratio Lower Upper
75 100
53 0.7 82.6 124.0#
89 0.0 36.9 55.3#

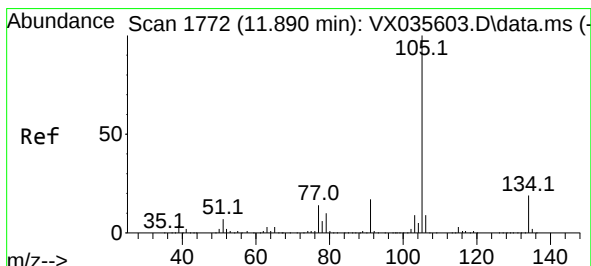
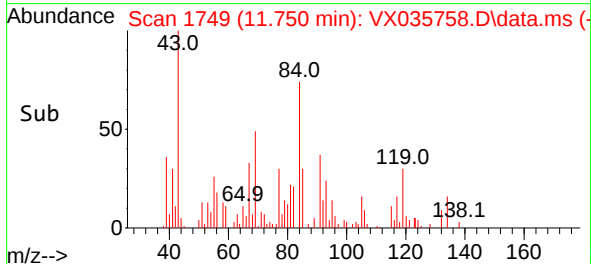
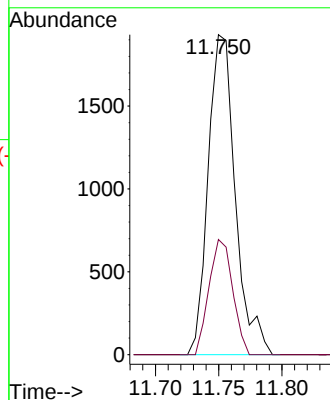
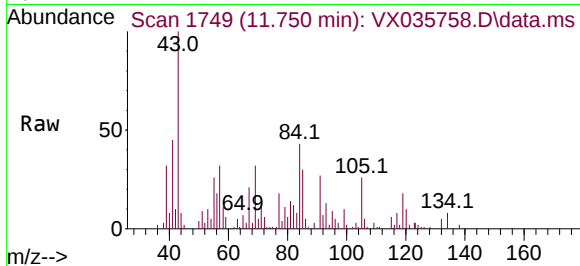




#84
1,2,4-Trimethylbenzene
Concen: 0.266 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

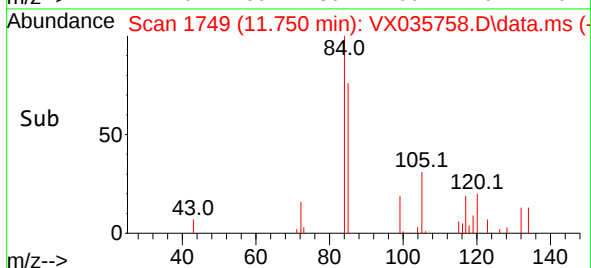
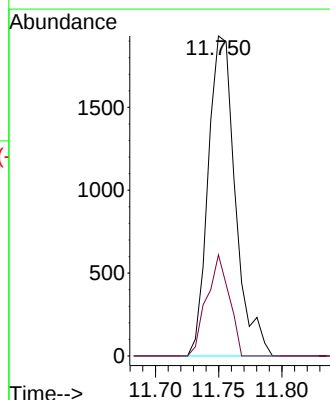
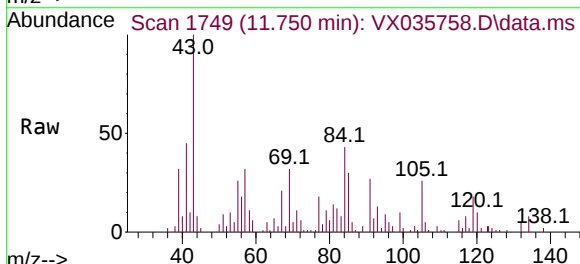
Instrument :
MSVOA_X
ClientSampleId :

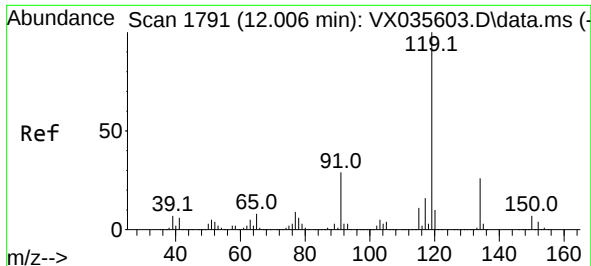
Tgt Ion:105 Resp: 2885
Ion Ratio Lower Upper
105 100
120 31.3 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.219 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion:105 Resp: 2885
Ion Ratio Lower Upper
105 100
134 26.1 10.2 30.4

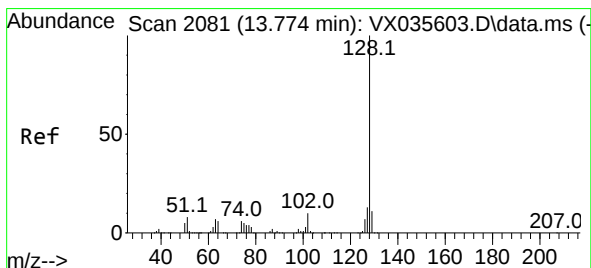
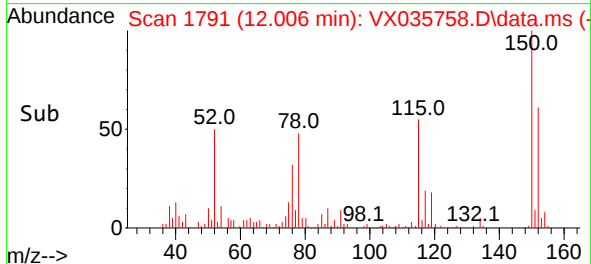
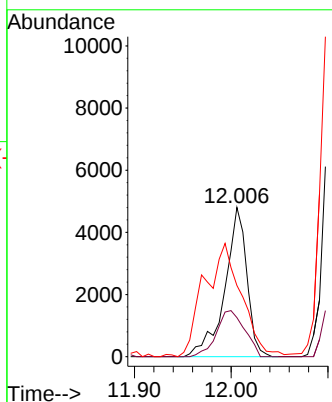
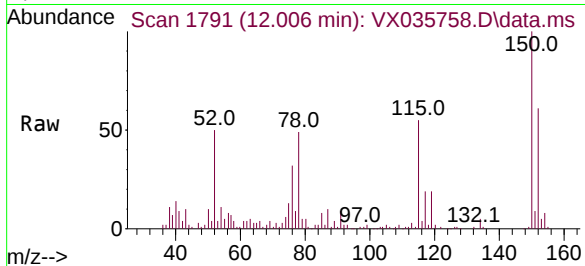




#86
p-Isopropyltoluene
Concen: 0.701 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:119 Resp: 7605
Ion Ratio Lower Upper
119 100
134 39.4 13.2 39.5
91 128.8 12.9 38.7#



#95
Naphthalene
Concen: 0.817 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035758.D
Acq: 19 May 2023 14:22

Tgt Ion:128 Resp: 9054
Ion Ratio Lower Upper
128 100
127 22.7 10.2 15.4#
129 12.4 8.6 13.0

