

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050823\
 Data File : VX035553.D
 Acq On : 08 May 2023 12:26
 Operator : JC/MD
 Sample : VX0508WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0508WBL01

Quant Time: May 09 03:40:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

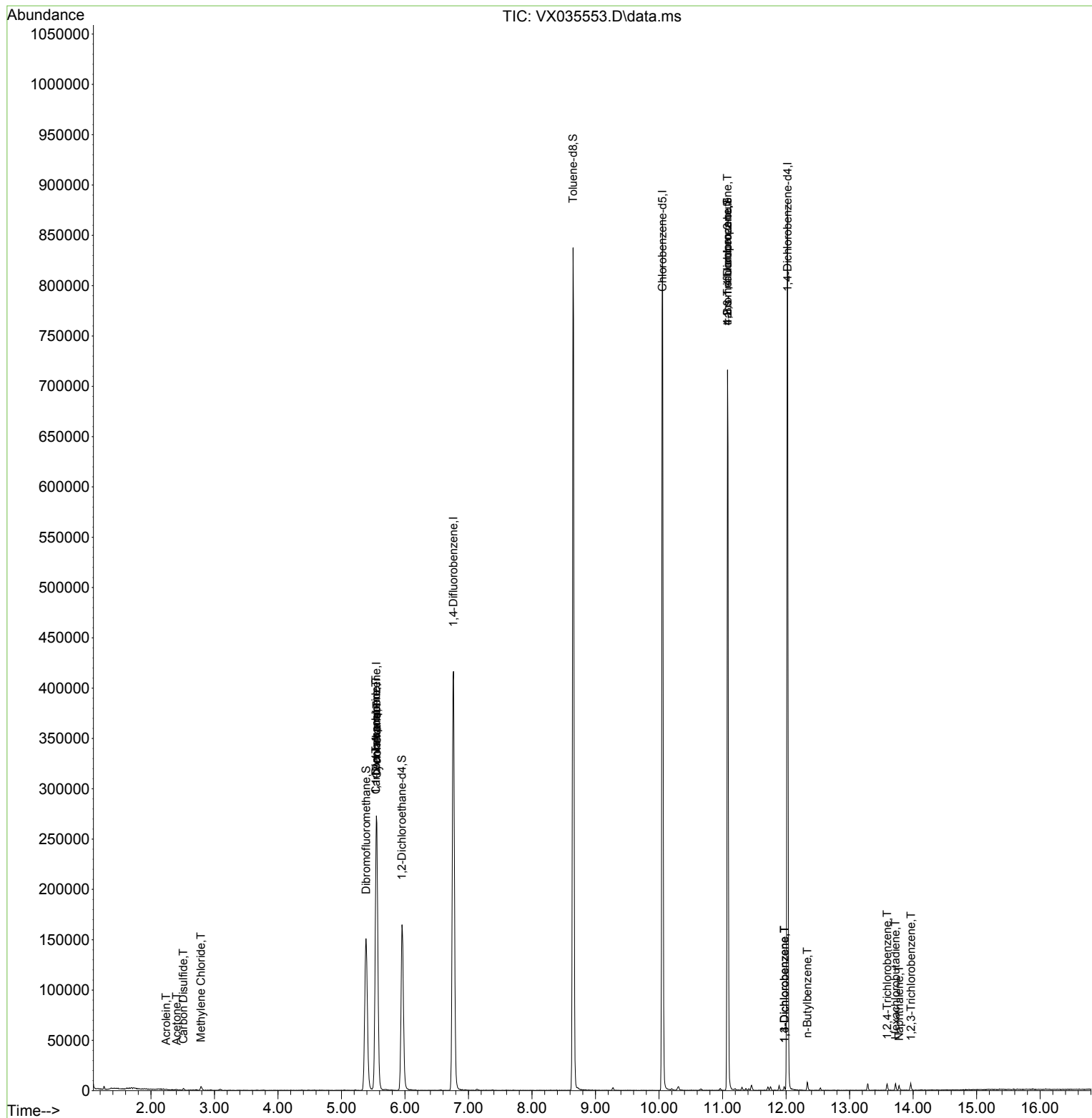
Internal Standards						
1) Pentafluorobenzene	5.549	168	266155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	440786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	403085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	156507	48.741	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.480%		
35) Dibromofluoromethane	5.385	113	134671	49.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.560%		
50) Toluene-d8	8.646	98	512110	50.179	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.360%		
62) 4-Bromofluorobenzene	11.079	95	197707	51.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.000%		
Target Compounds					Qvalue	
13) Acrolein	2.239	56	167	0.290	ug/l #	53
16) Acetone	2.404	43	673	0.483	ug/l	98
17) Carbon Disulfide	2.507	76	1859	0.300	ug/l	98
20) Methylene Chloride	2.788	84	1804	0.564	ug/l #	80
31) Cyclohexane	5.556	56	5319	1.168	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	19605	4.641	ug/l #	50
38) Carbon Tetrachloride	5.543	117	26070	6.501	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	96149	25.278	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	96149	81.872	ug/l #	8
87) 1,3-Dichlorobenzene	11.975	146	1464	0.222	ug/l	97
88) 1,4-Dichlorobenzene	11.975	146	1464	0.212	ug/l	97
89) n-Butylbenzene	12.335	91	2544	0.245	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	1862	0.450	ug/l	99
94) Hexachlorobutadiene	13.725	225	1073	0.591	ug/l	98
95) Naphthalene	13.780	128	3136	0.246	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1779	0.427	ug/l	91

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

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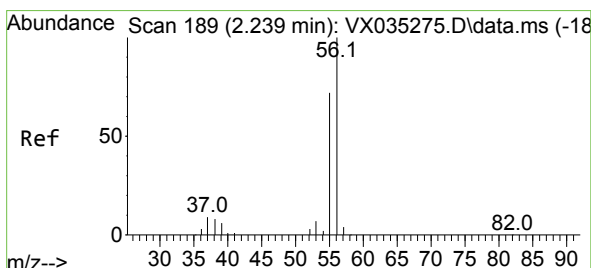
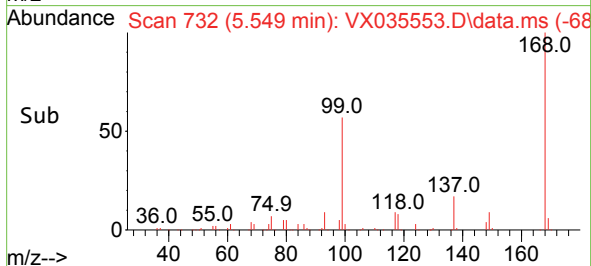
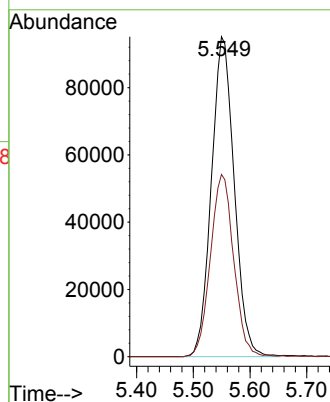
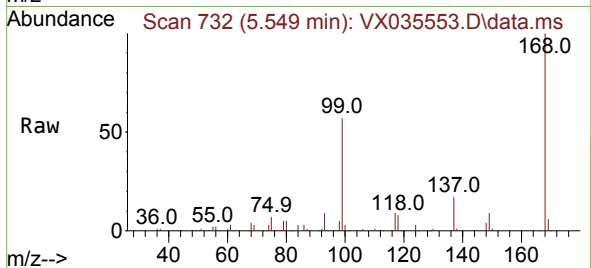




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

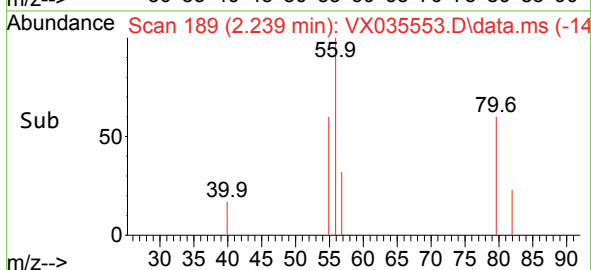
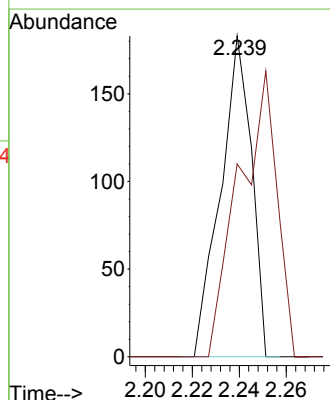
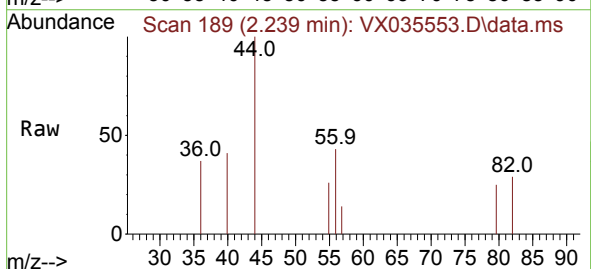
Instrument :
MSVOA_X
ClientSampleId :
VX0508WBL01

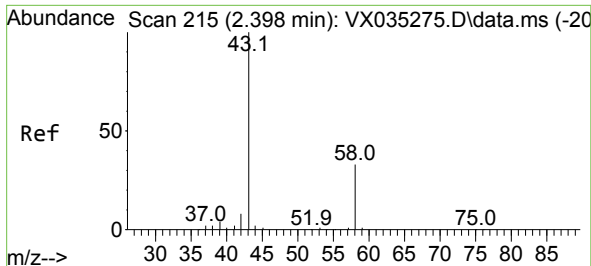
Tgt Ion:168 Resp: 266155
Ion Ratio Lower Upper
168 100
99 56.9 45.7 68.5



#13
Acrolein
Concen: 0.290 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 109.6 56.6 85.0#

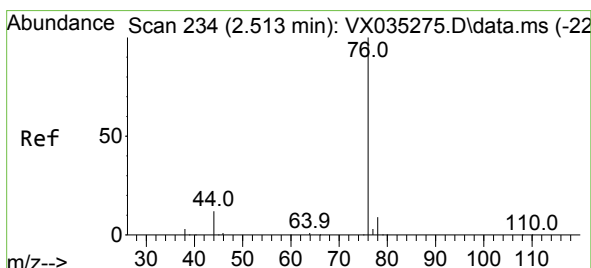
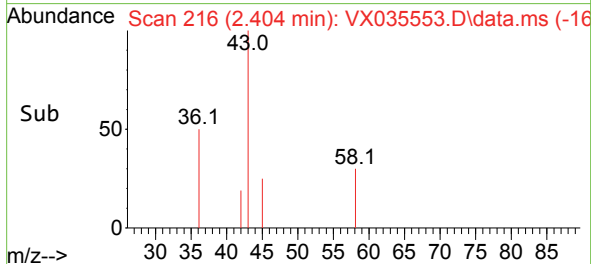
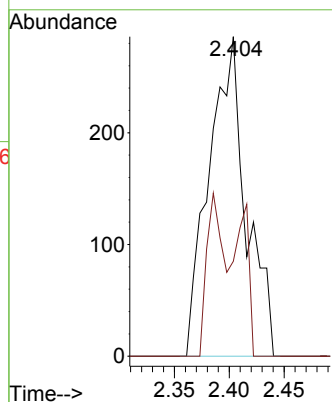
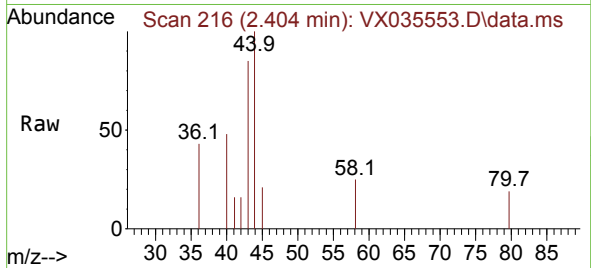




#16
Acetone
Concen: 0.483 ug/l
RT: 2.404 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

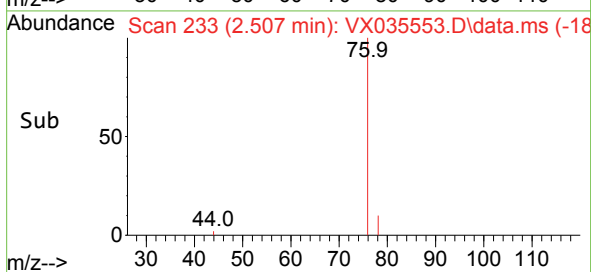
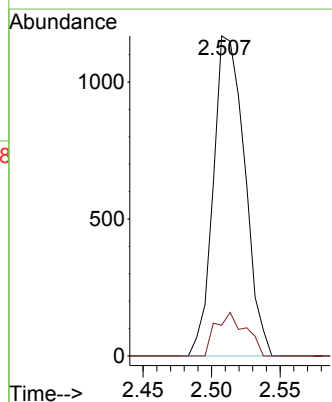
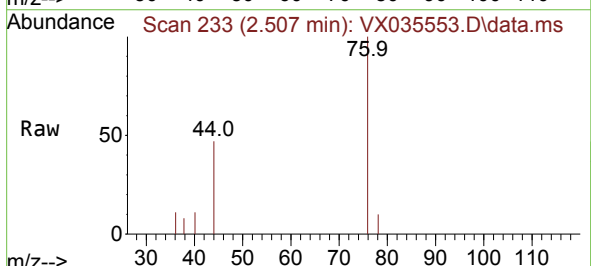
Instrument :
MSVOA_X
ClientSampleId :
VX0508WBL01

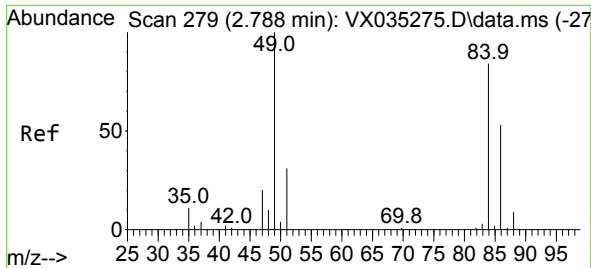
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 29.7 24.7 37.1



#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Tgt Ion: 76 Resp: 1859
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8

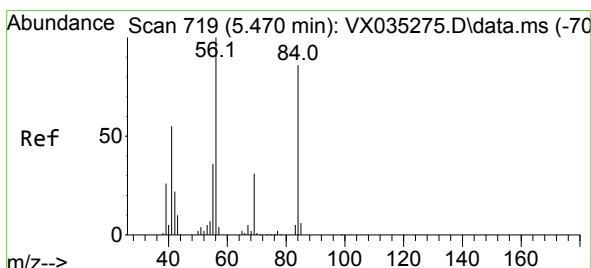
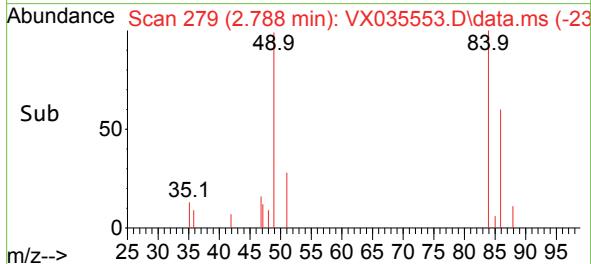
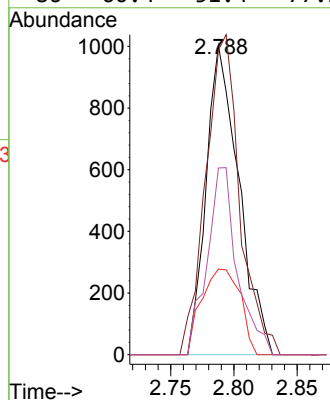
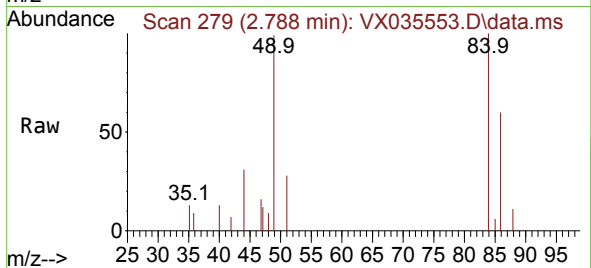




#20
Methylene Chloride
Concen: 0.564 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

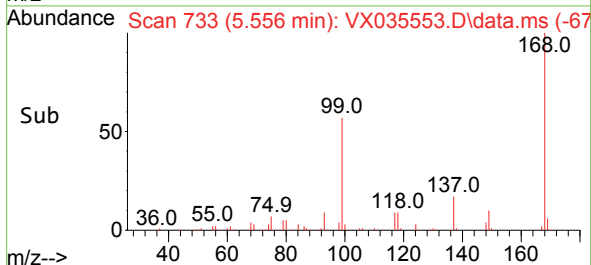
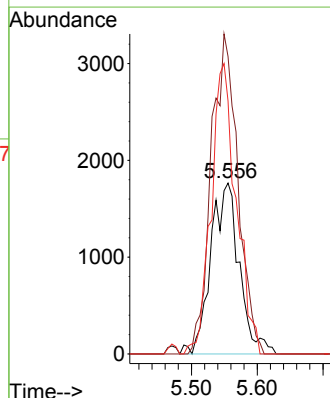
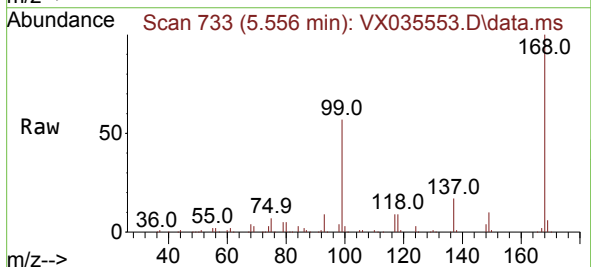
Instrument :
MSVOA_X
ClientSampleId :
VX0508WBL01

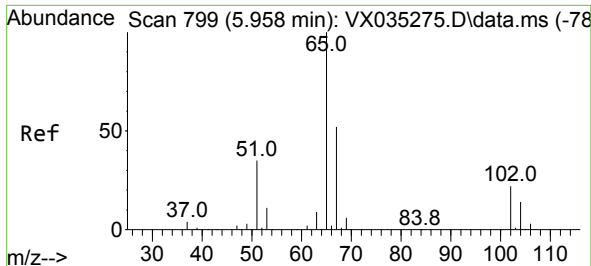
Tgt Ion:	84	Resp:	1804
Ion	Ratio	Lower	Upper
84	100		
49	98.5	103.8	155.8#
51	27.7	31.8	47.8#
86	60.4	51.4	77.2



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Tgt Ion:	56	Resp:	5319
Ion	Ratio	Lower	Upper
56	100		
69	174.1	23.7	35.5#
84	148.1	68.5	102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.741 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

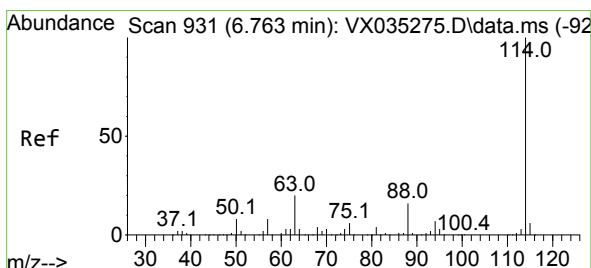
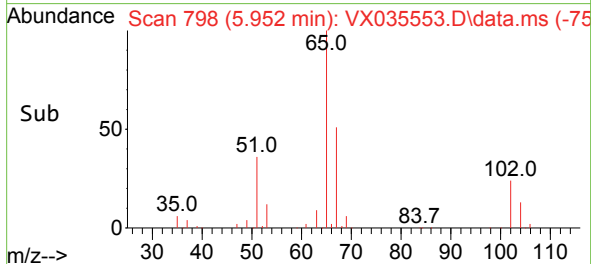
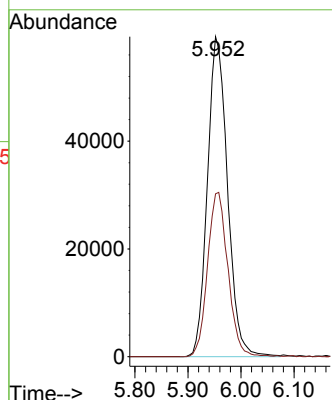
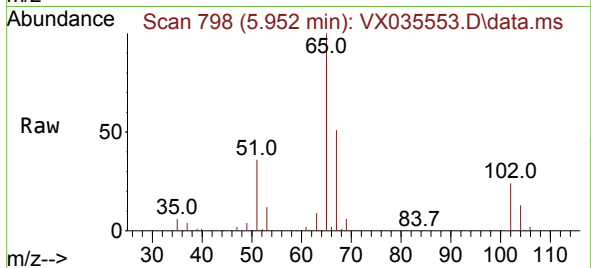
VX0508WBL01

Tgt Ion: 65 Resp: 156507

Ion Ratio Lower Upper

65 100

67 52.0 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: VX035553.D

Acq: 08 May 2023 12:26

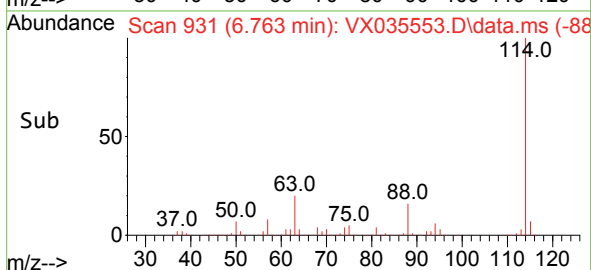
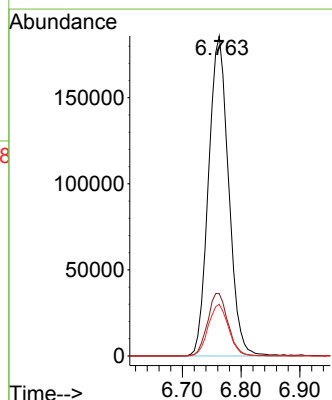
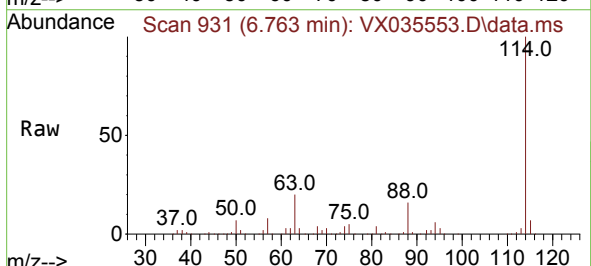
Tgt Ion: 114 Resp: 440786

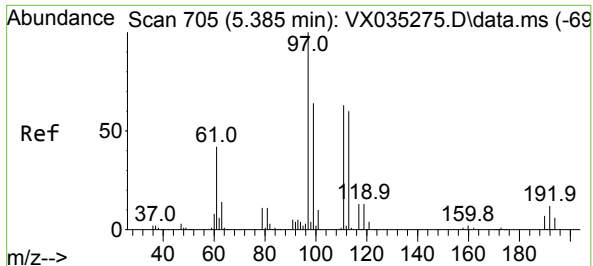
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.2

88 16.2 0.0 33.2

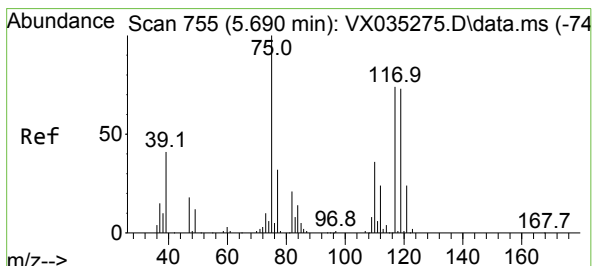
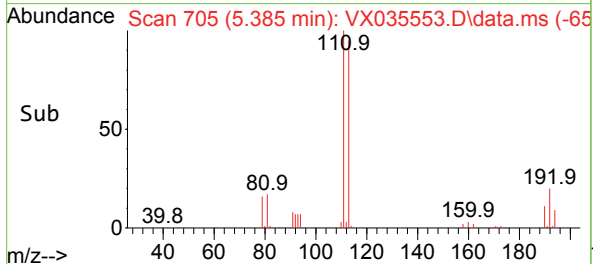
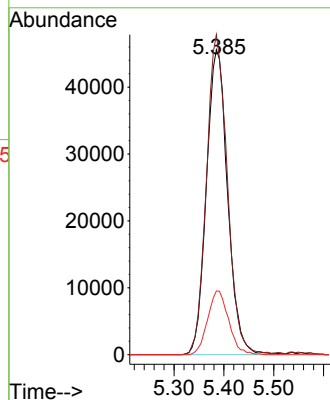
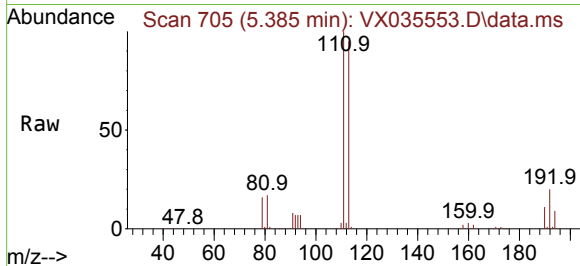




#35
Dibromofluoromethane
Concen: 49.778 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

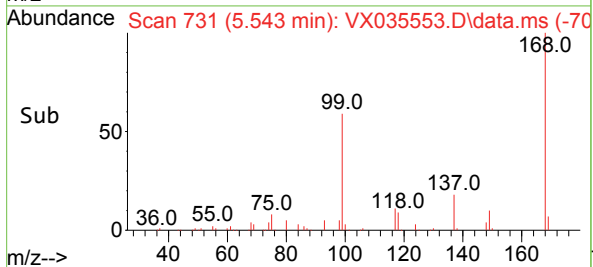
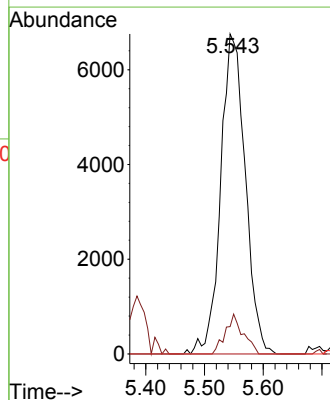
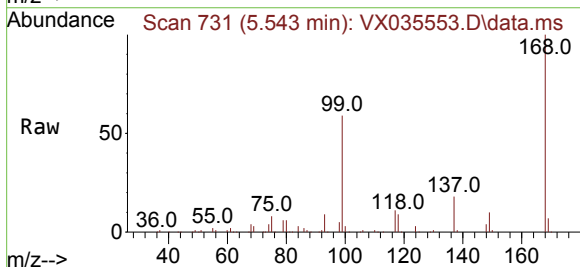
Instrument :
MSVOA_X
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VX0508WBL01

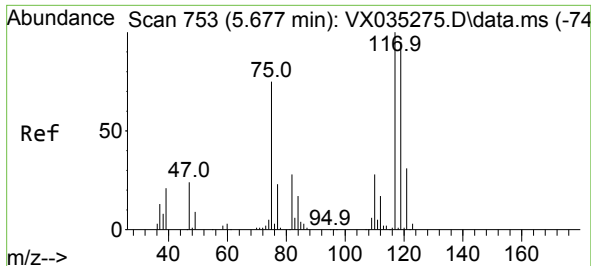
Tgt Ion:113 Resp: 134671
Ion Ratio Lower Upper
113 100
111 103.6 83.7 125.5
192 20.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.641 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

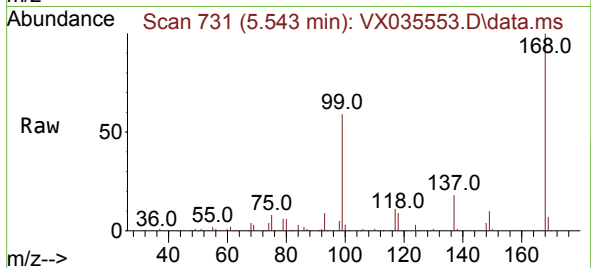
Tgt Ion: 75 Resp: 19605
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



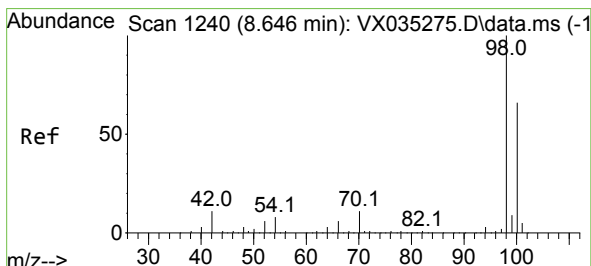
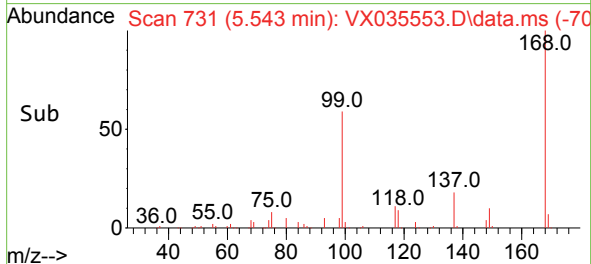
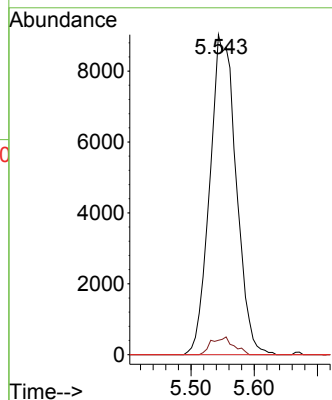


#38
Carbon Tetrachloride
Concen: 6.501 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0508WBL01

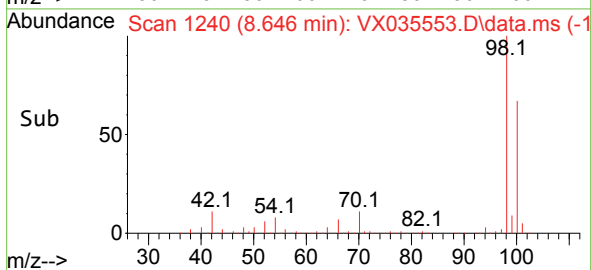
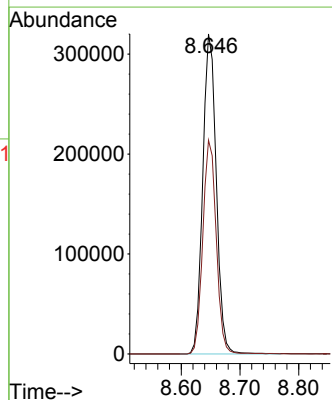
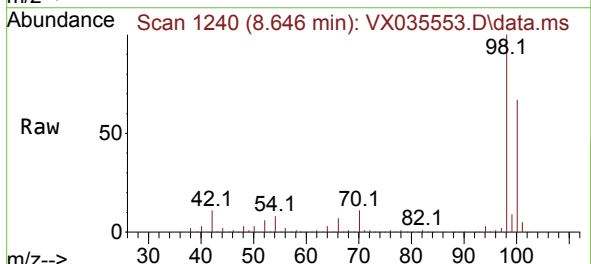


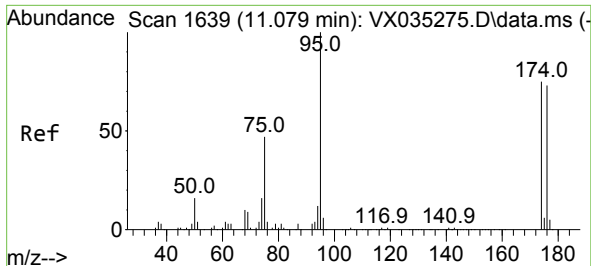
Tgt Ion:117 Resp: 26070
Ion Ratio Lower Upper
117 100
119 4.5 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 50.179 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Tgt Ion: 98 Resp: 512110
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

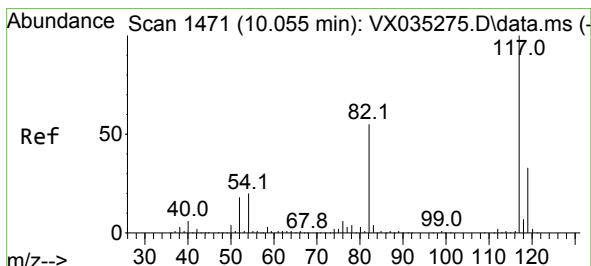
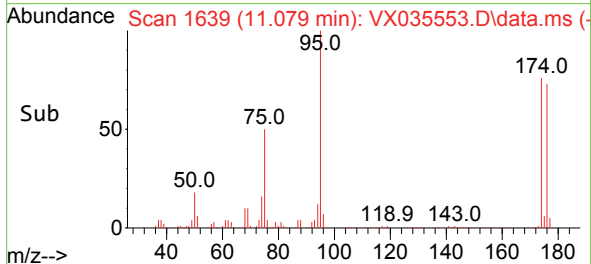
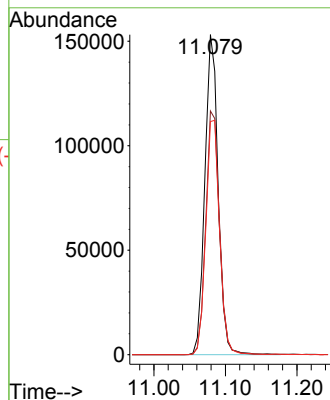
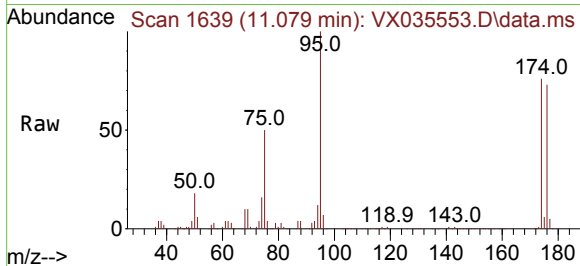




#62
4-Bromofluorobenzene
Concen: 51.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

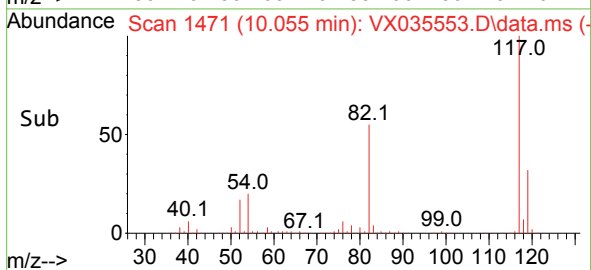
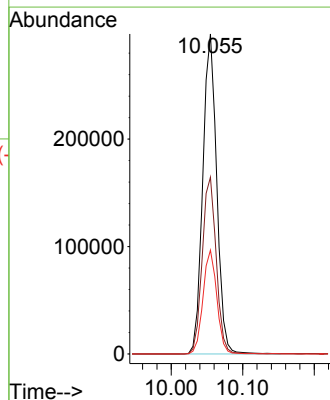
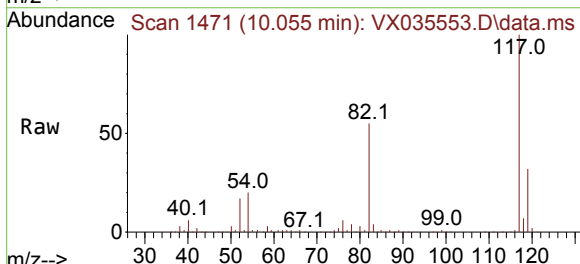
Instrument :
MSVOA_X
ClientSampleId :
VX0508WBL01

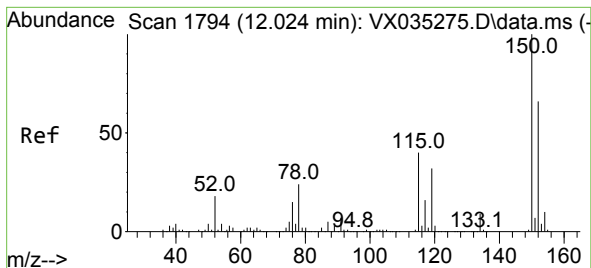
Tgt Ion: 95 Resp: 197707
Ion Ratio Lower Upper
95 100
174 78.9 0.0 147.4
176 76.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Tgt Ion: 117 Resp: 403085
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.4 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBL01

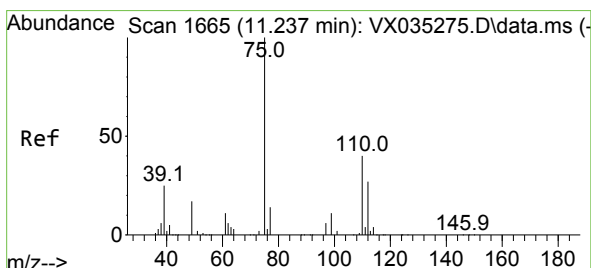
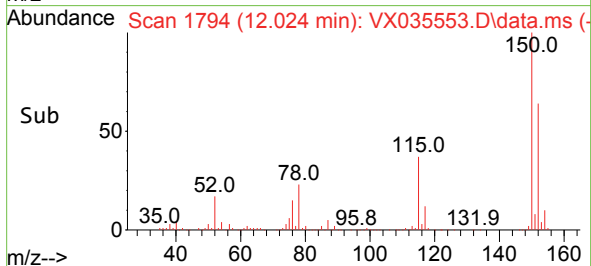
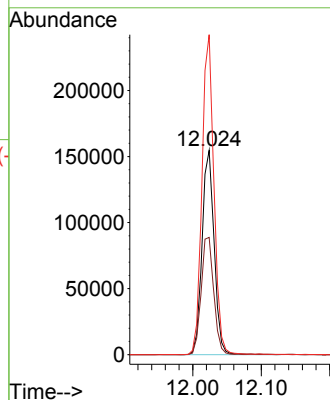
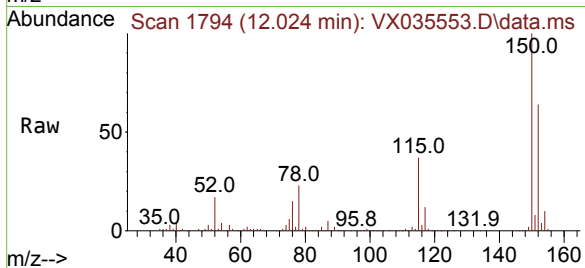
Tgt Ion:152 Resp: 190678

Ion Ratio Lower Upper

152 100

115 59.8 45.0 135.0

150 154.4 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 25.278 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035553.D

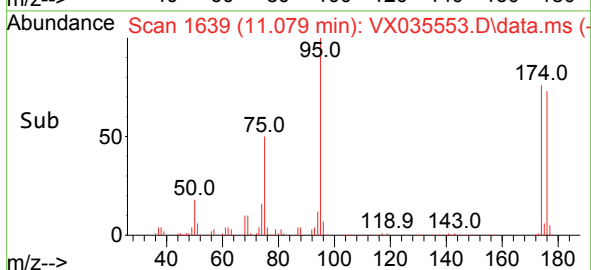
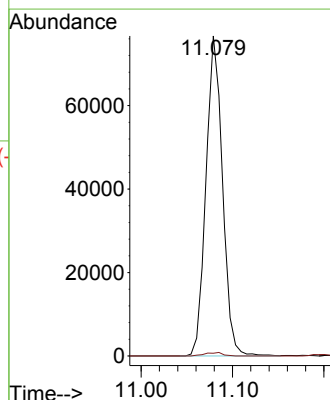
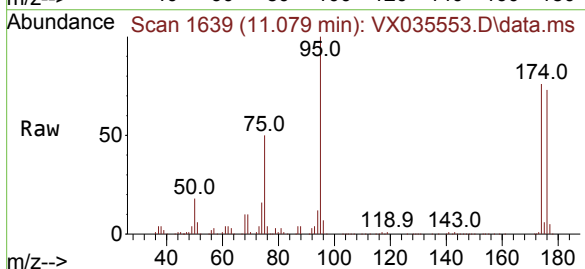
Acq: 08 May 2023 12:26

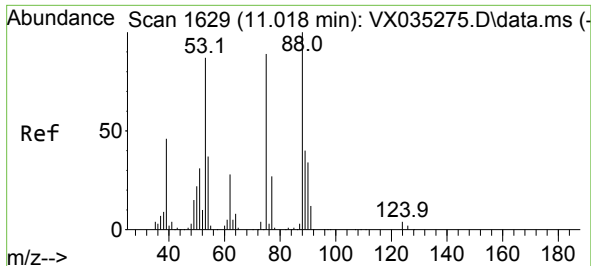
Tgt Ion: 75 Resp: 96149

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#

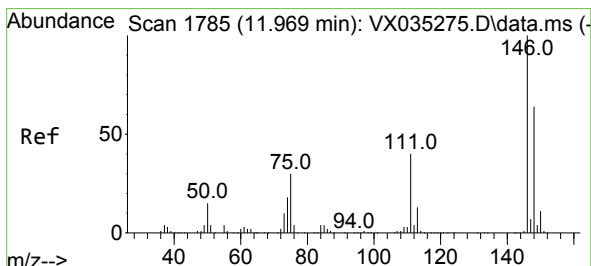
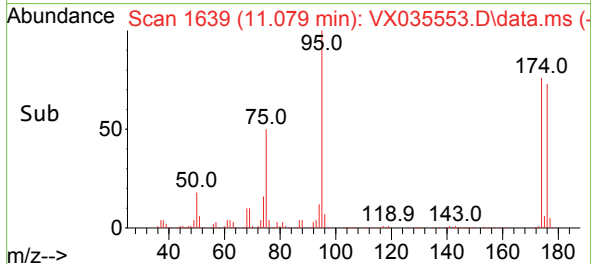
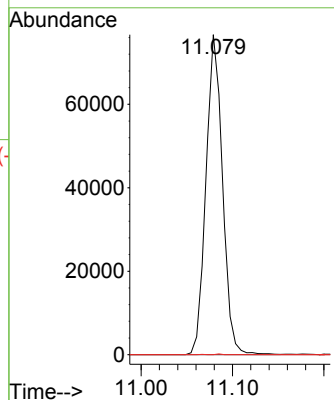
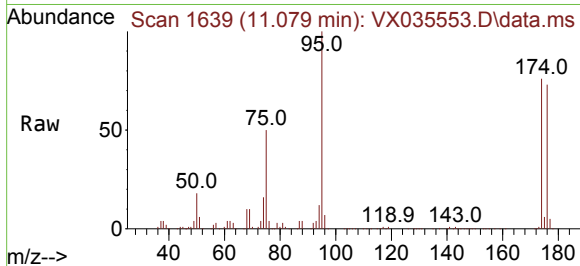




#81
trans-1,4-Dichloro-2-butene
Concen: 81.872 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

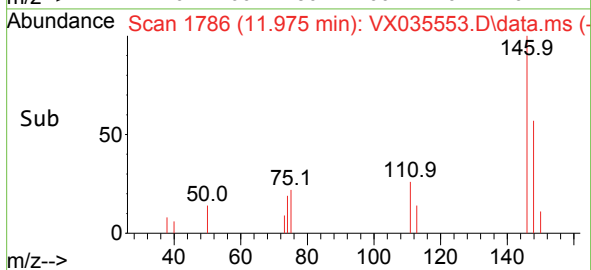
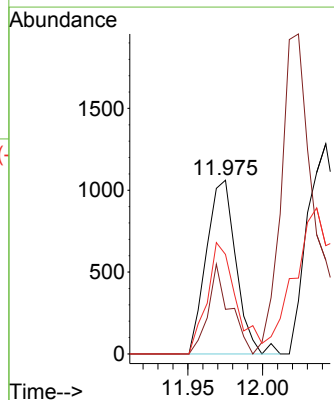
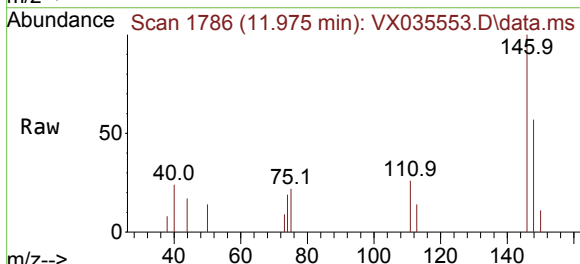
Instrument :
MSVOA_X
ClientSampleId :
VX0508WBL01

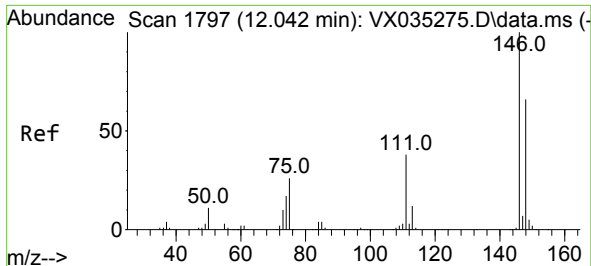
Tgt Ion: 75 Resp: 96149
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.222 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX035553.D
Acq: 08 May 2023 12:26

Tgt Ion:146 Resp: 1464
Ion Ratio Lower Upper
146 100
111 37.7 20.9 62.8
148 63.0 31.6 95.0





#88

1,4-Dichlorobenzene

Concen: 0.212 ug/l

RT: 11.975 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBL01

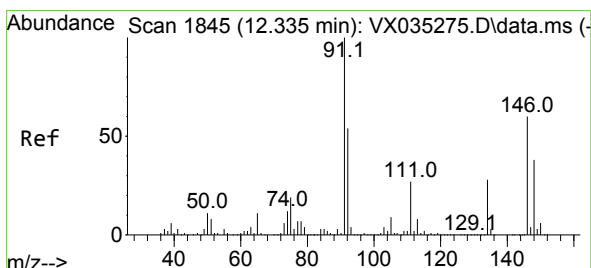
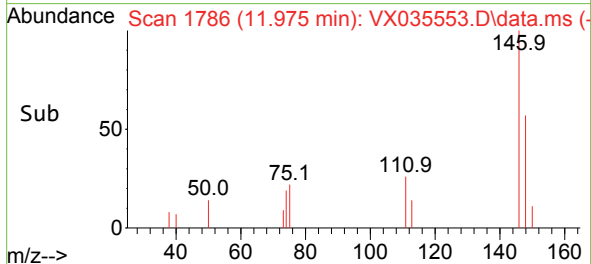
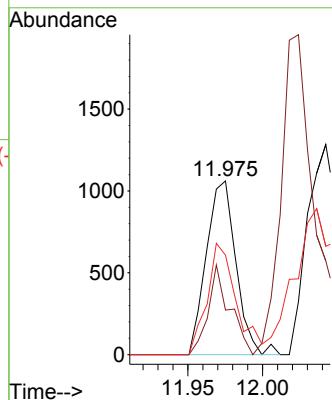
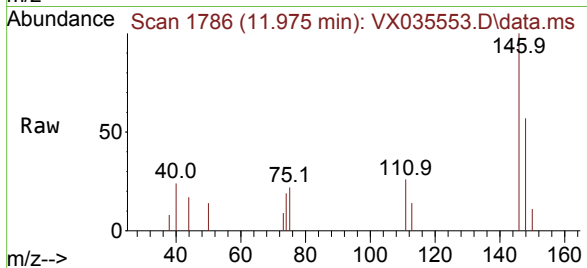
Tgt Ion:146 Resp: 1464

Ion Ratio Lower Upper

146 100

111 37.7 20.6 61.9

148 63.0 31.8 95.4



#89

n-Butylbenzene

Concen: 0.245 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

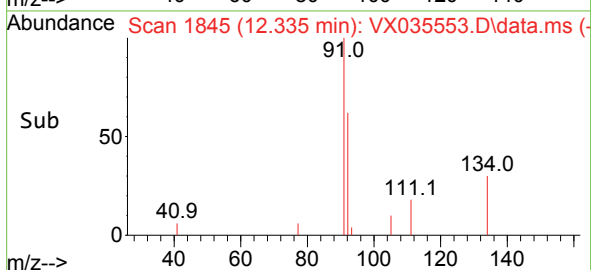
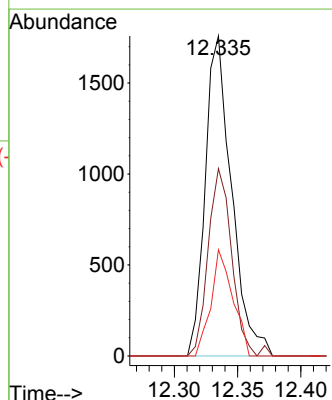
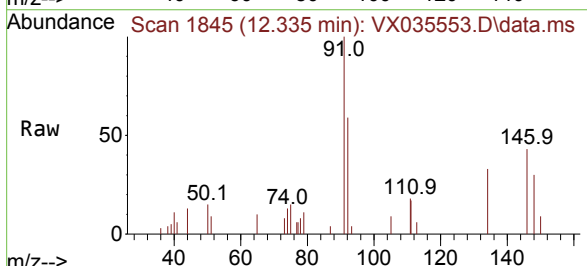
Tgt Ion: 91 Resp: 2544

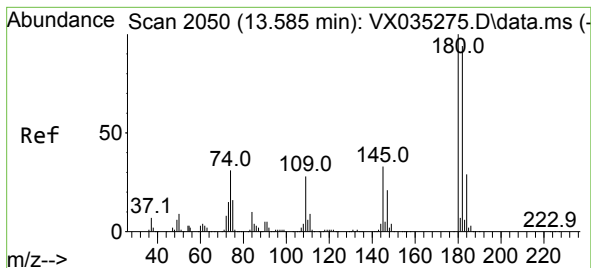
Ion Ratio Lower Upper

91 100

92 52.9 27.7 83.0

134 27.6 13.0 38.9





#93

1,2,4-Trichlorobenzene

Concen: 0.450 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBL01

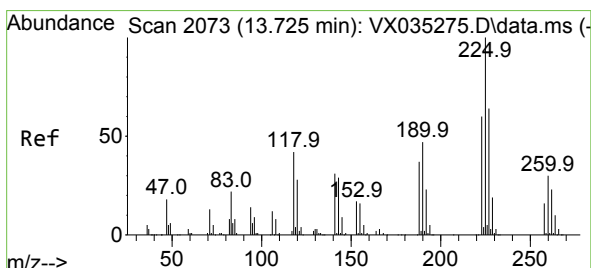
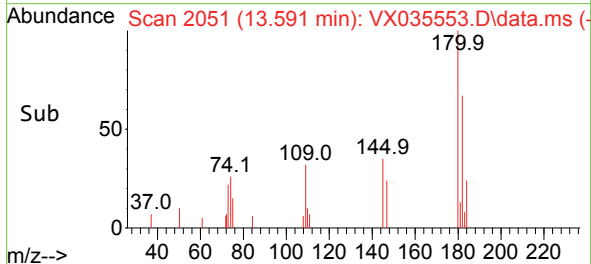
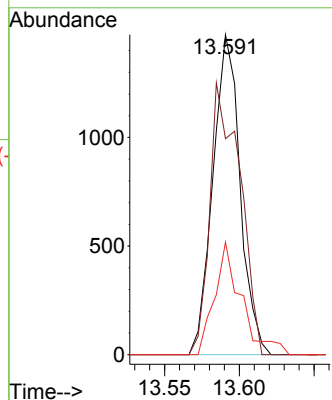
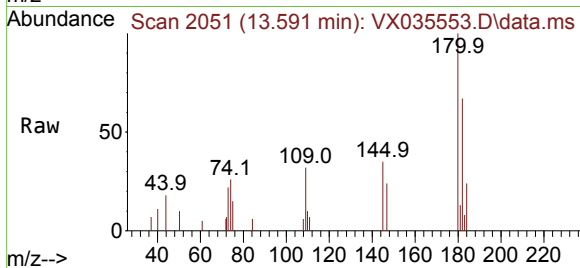
Tgt Ion:180 Resp: 1862

Ion Ratio Lower Upper

180 100

182 94.3 47.0 141.0

145 34.6 15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.591 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

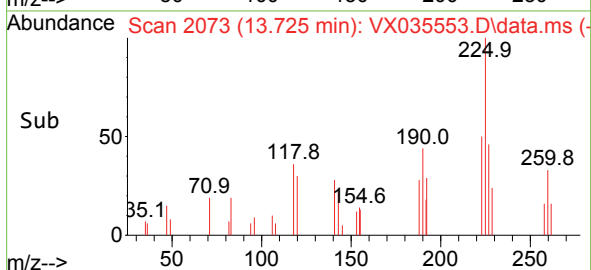
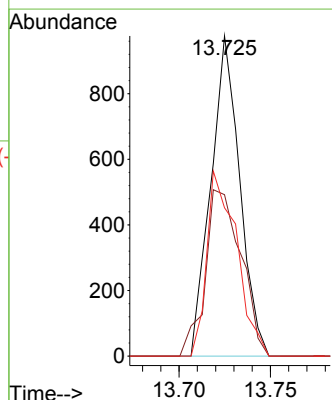
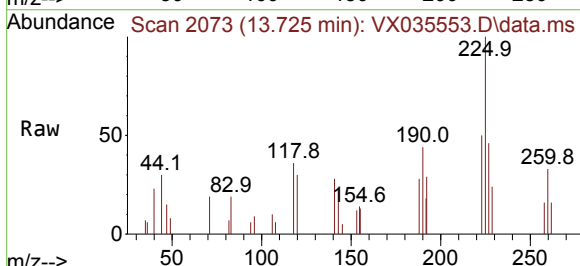
Tgt Ion:225 Resp: 1073

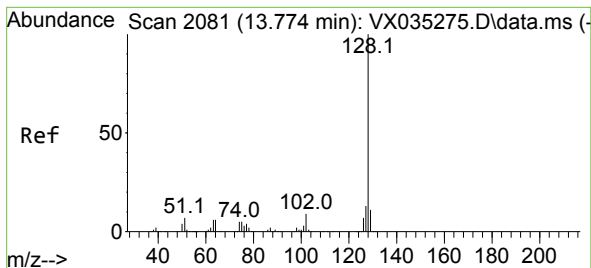
Ion Ratio Lower Upper

225 100

223 64.3 32.1 96.5

227 59.7 31.8 95.4





#95

Naphthalene

Concen: 0.246 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0508WBL01

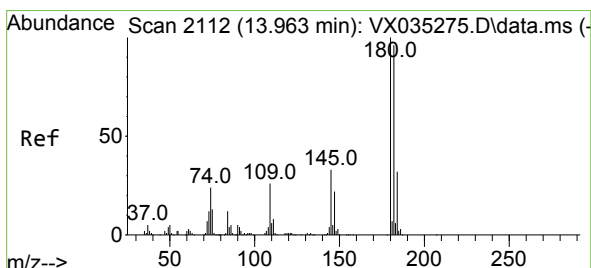
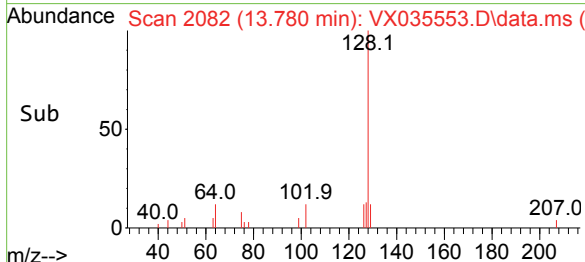
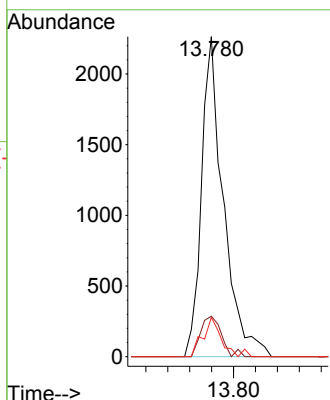
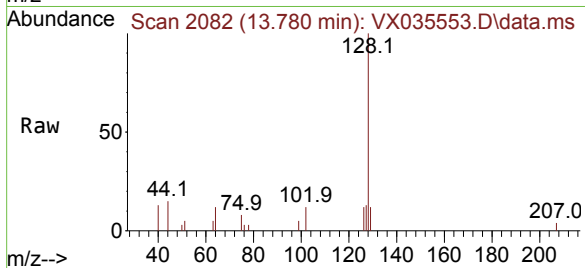
Tgt Ion:128 Resp: 3136

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 10.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.427 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX035553.D

Acq: 08 May 2023 12:26

Tgt Ion:180 Resp: 1779

Ion Ratio Lower Upper

180 100

182 103.3 48.0 144.2

145 43.4 17.7 53.1

