

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039200.D
 Acq On : 14 Dec 2023 11:44
 Operator : JC/MD
 Sample : 05719-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 02:58:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

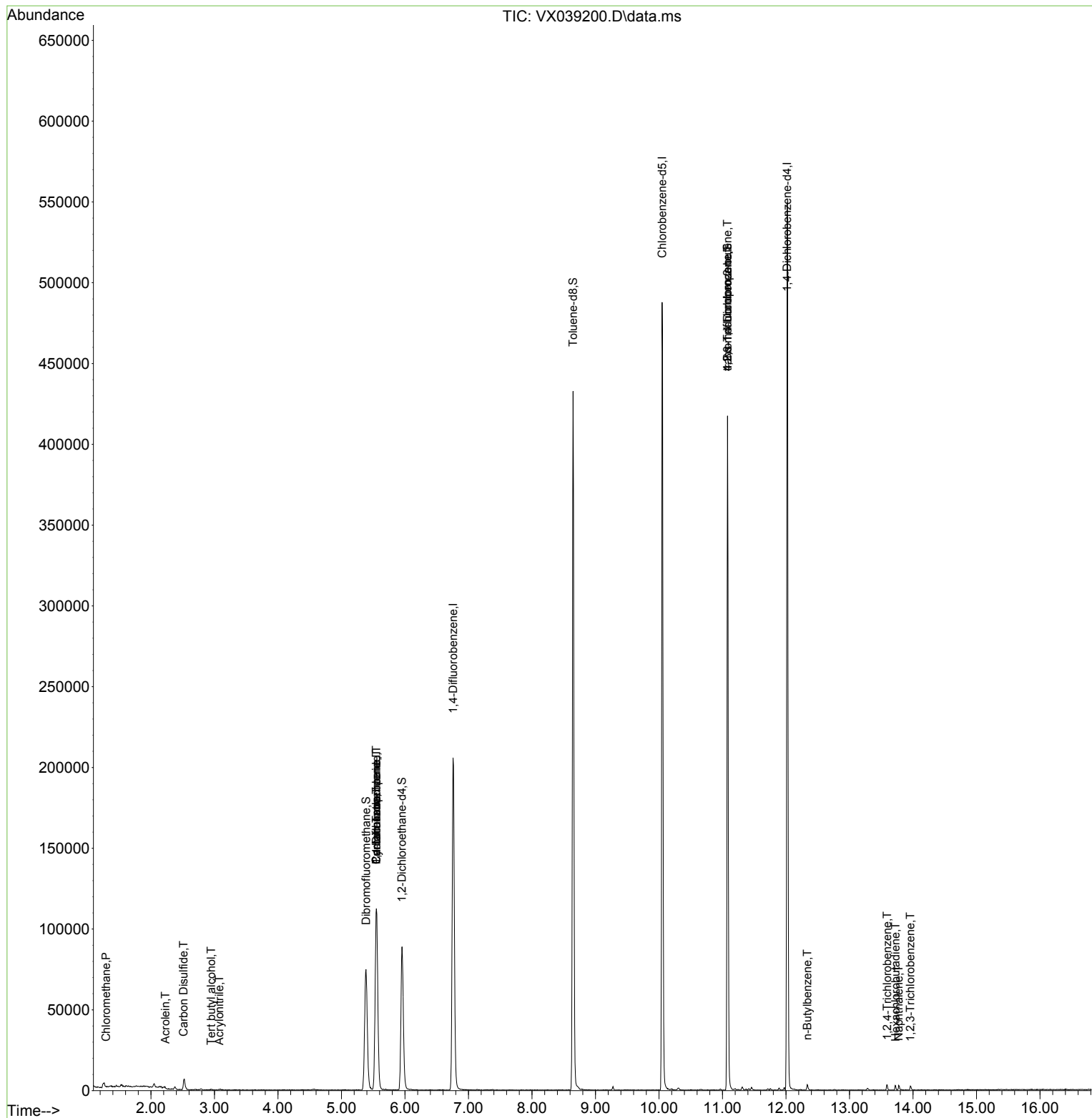
Internal Standards						
1) Pentafluorobenzene	5.550	168	98327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	205602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	105399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86091	47.794	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.580%
35) Dibromofluoromethane	5.385	113	66002	47.877	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.760%
50) Toluene-d8	8.647	98	250121	48.870	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.740%
62) 4-Bromofluorobenzene	11.079	95	114618	54.278	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	336	0.219	ug/l #	43
11) Tert butyl alcohol	2.947	59	393	0.869	ug/l #	78
13) Acrolein	2.227	56	92	0.255	ug/l #	74
15) Acrylonitrile	3.075	53	229	0.253	ug/l	89
16) Acetone	2.374	43	1881	Below Cal		99
17) Carbon Disulfide	2.514	76	1388	0.375	ug/l	98
31) Cyclohexane	5.550	56	2853	1.226	ug/l #	16
36) 1,1-Dichloropropene	5.550	75	9564	4.396	ug/l #	51
38) Carbon Tetrachloride	5.550	117	11375	5.479	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	62972	23.093	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62972	65.146	ug/l #	5
89) n-Butylbenzene	12.335	91	1410	0.204	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	958	0.433	ug/l	95
94) Hexachlorobutadiene	13.725	225	511	0.613	ug/l	91
95) Naphthalene	13.774	128	2280	0.296	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	592	0.277	ug/l	84

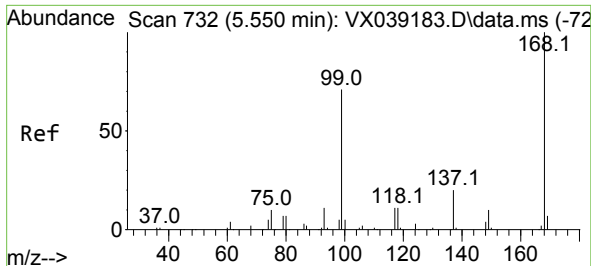
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 15 02:58:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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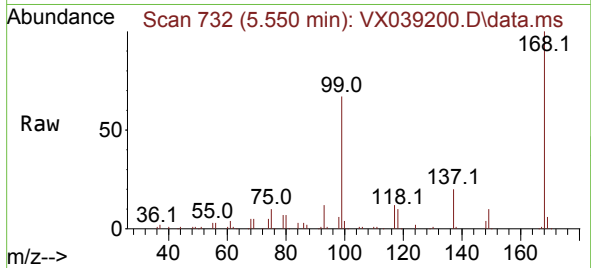


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

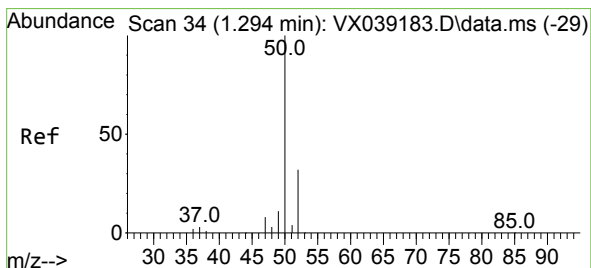
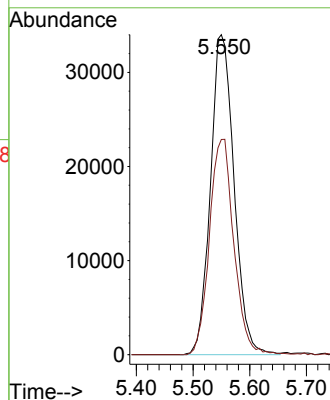
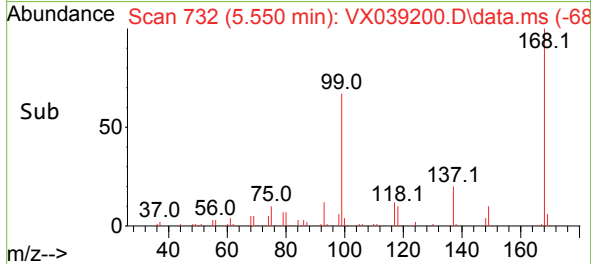
Instrument :

MSVOA_X

ClientSampleId :

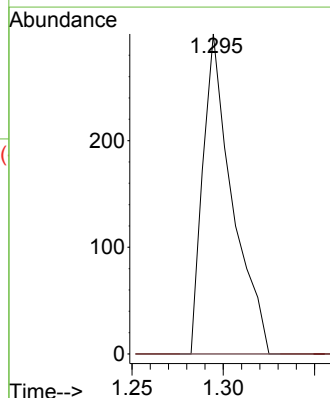
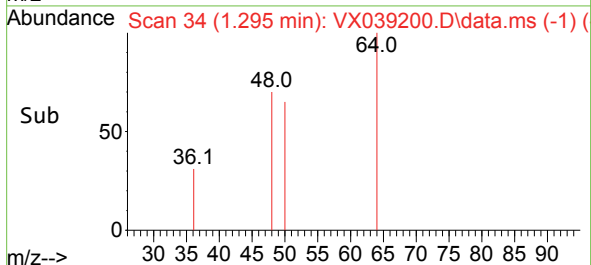
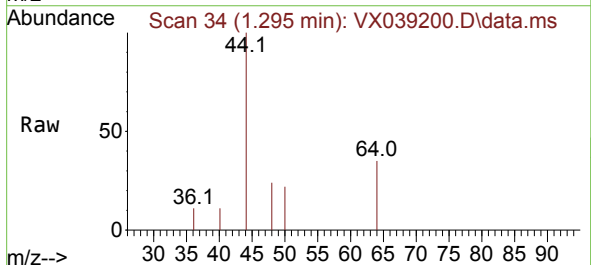


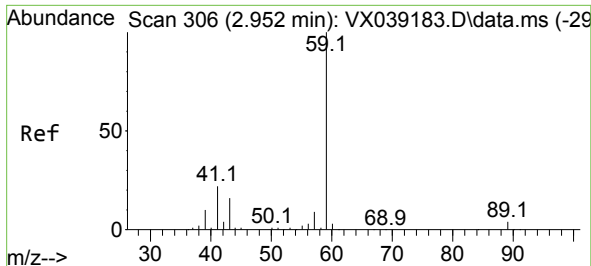
Tgt Ion:168 Resp: 98327
Ion Ratio Lower Upper
168 100
99 67.3 56.6 85.0



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

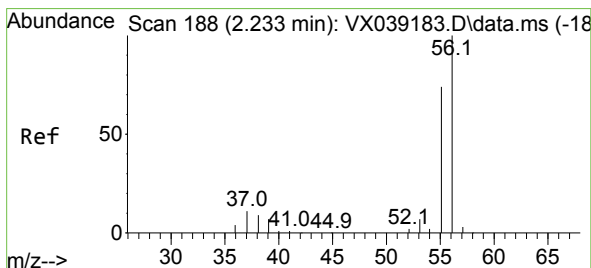
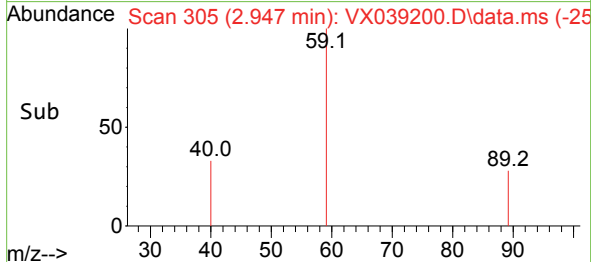
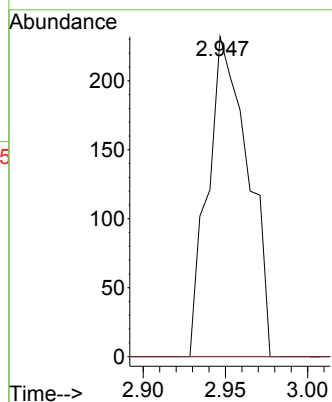
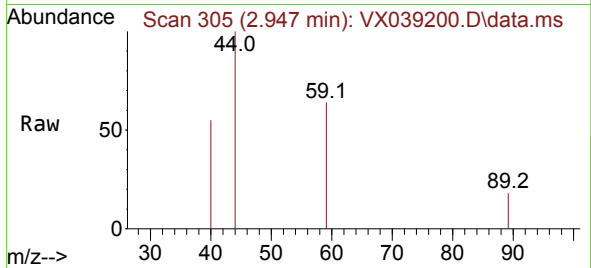




#11
Tert butyl alcohol
Concen: 0.869 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

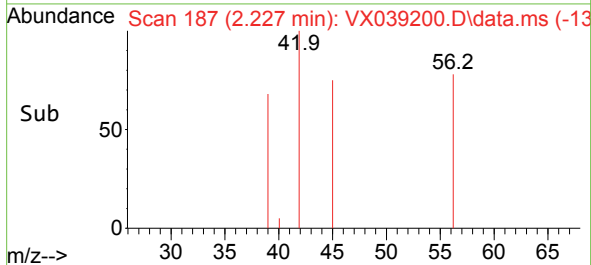
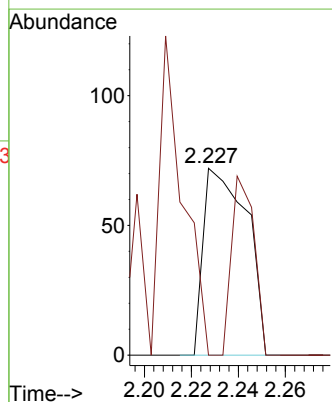
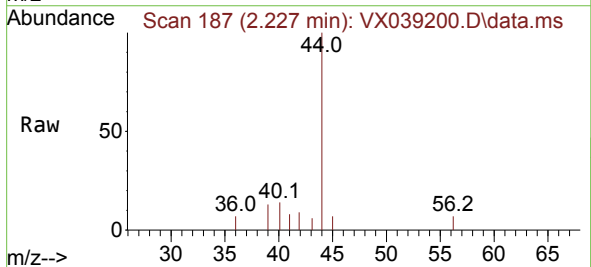
Instrument :
MSVOA_X
ClientSampleId :

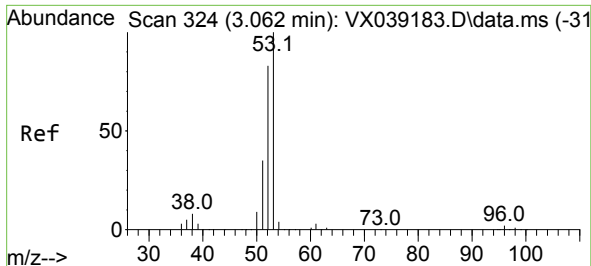
Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.255 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

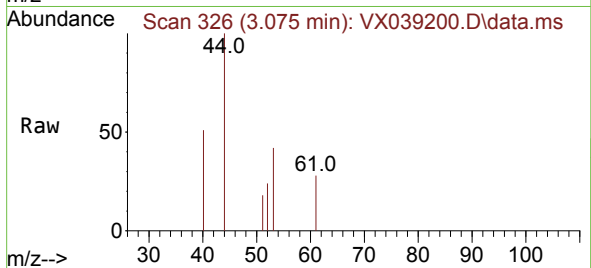
Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 50.0 57.1 85.7#



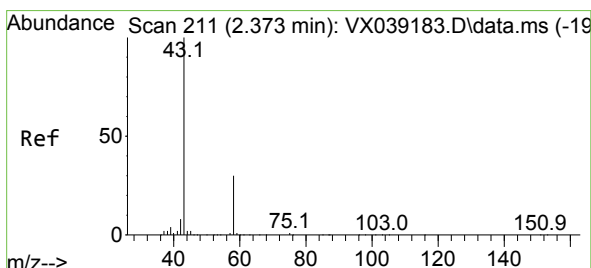
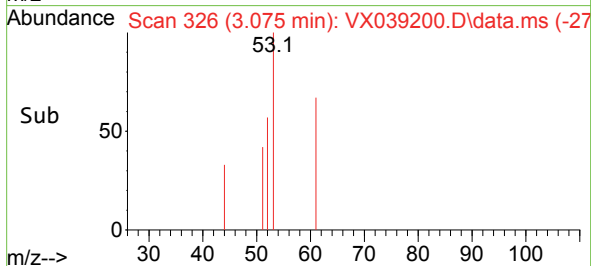
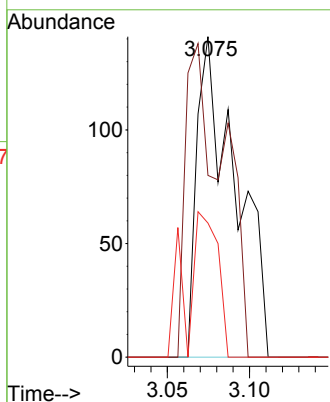


#15
Acrylonitrile
Concen: 0.253 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

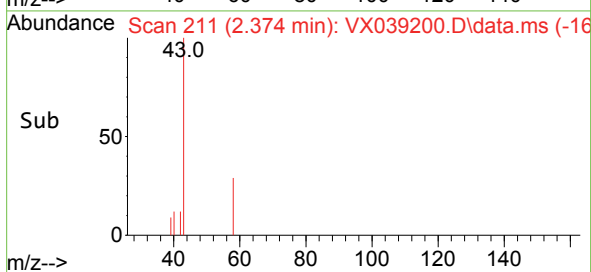
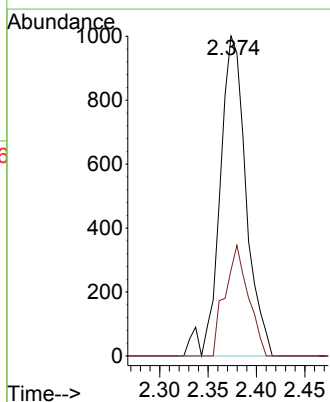
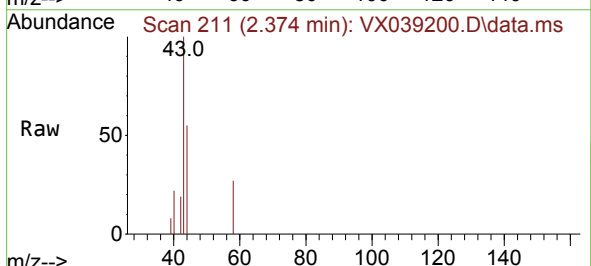


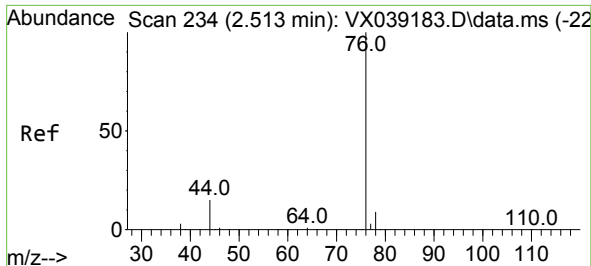
Tgt Ion: 53 Resp: 229
Ion Ratio Lower Upper
53 100
52 96.5 66.0 99.0
51 36.7 29.8 44.6



#16
Acetone
Concen: Below Cal
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 26.9 21.9 32.9

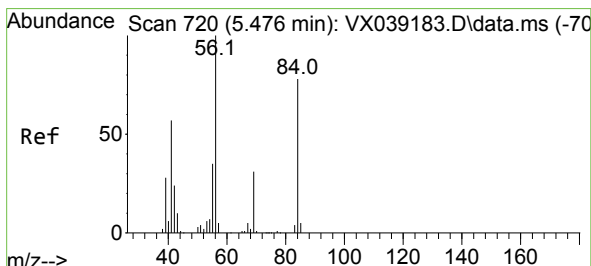
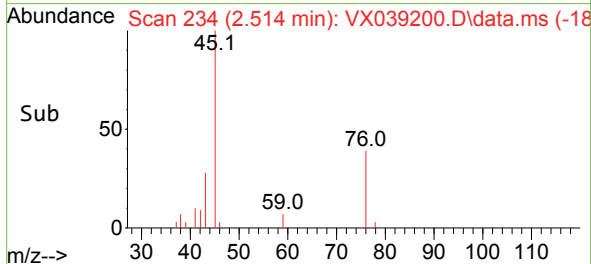
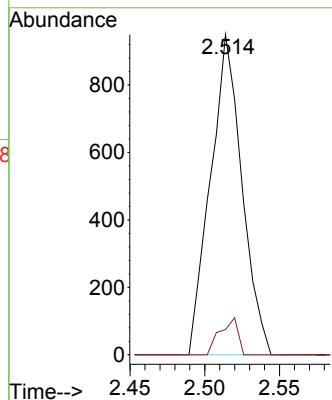
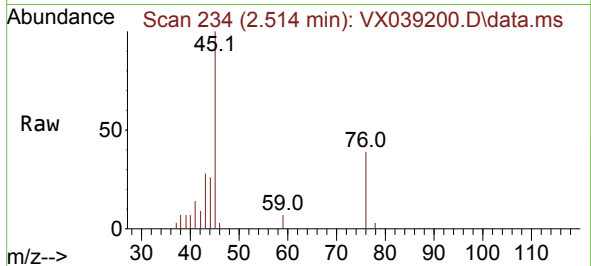




#17
Carbon Disulfide
Concen: 0.375 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

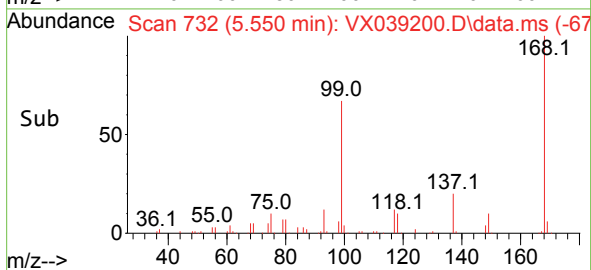
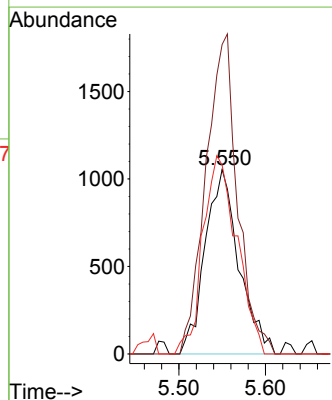
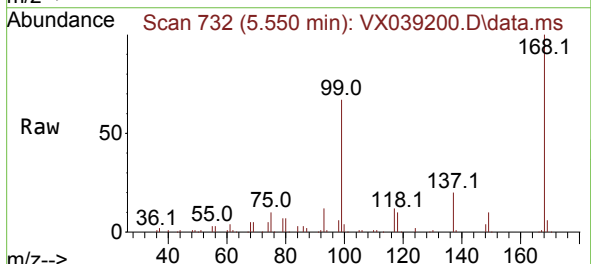
Instrument :
MSVOA_X
ClientSampleId :

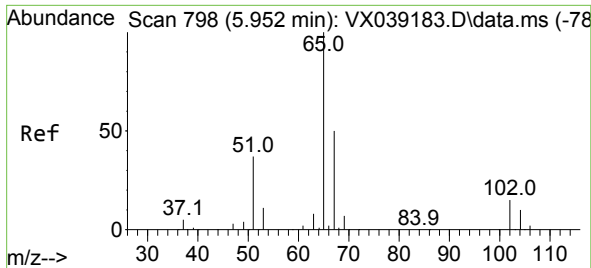
Tgt Ion: 76 Resp: 1388
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.6



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.074 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Tgt Ion: 56 Resp: 2853
Ion Ratio Lower Upper
56 100
69 167.8 23.4 35.2#
84 102.5 65.9 98.9#

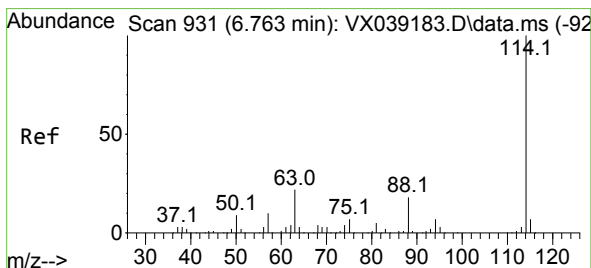
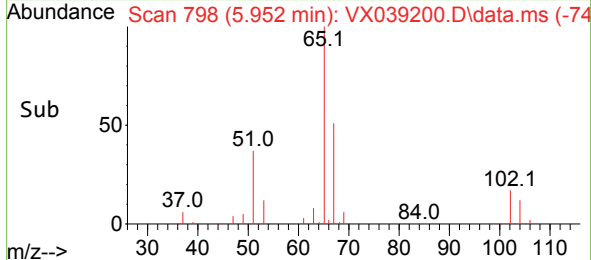
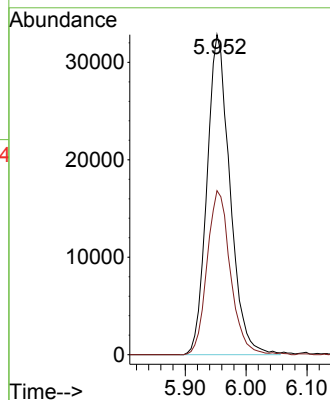
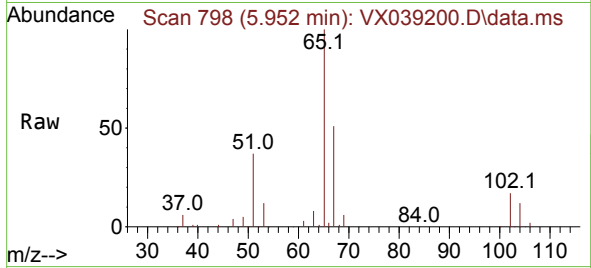




#33
 1,2-Dichloroethane-d4
 Concen: 47.794 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039200.D
 Acq: 14 Dec 2023 11:44

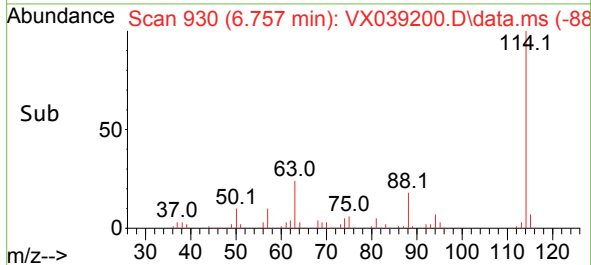
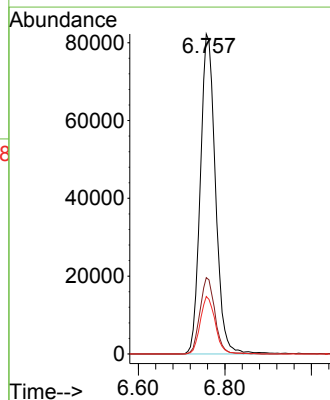
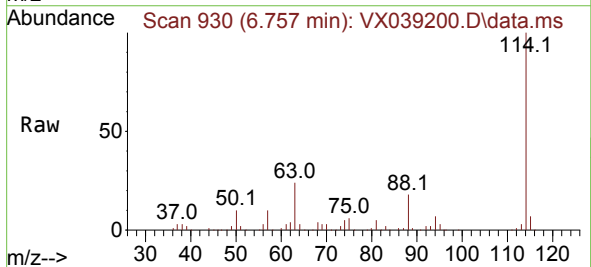
Instrument :
 MSVOA_X
 ClientSampleId :

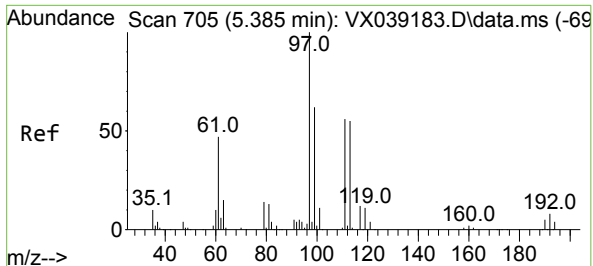
Tgt Ion: 65 Resp: 86091
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039200.D
 Acq: 14 Dec 2023 11:44

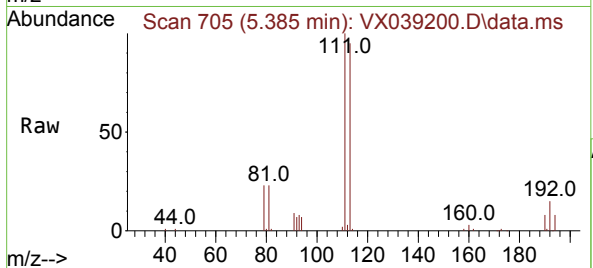
Tgt Ion:114 Resp: 199550
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.0
 88 18.0 0.0 36.6



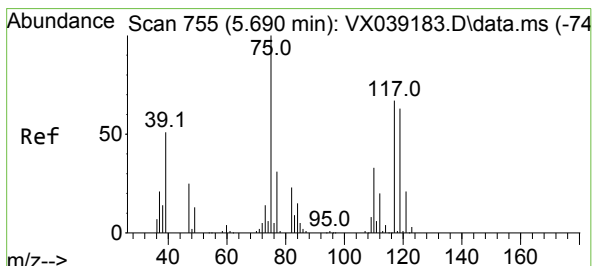
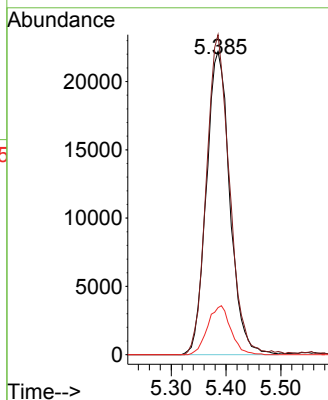
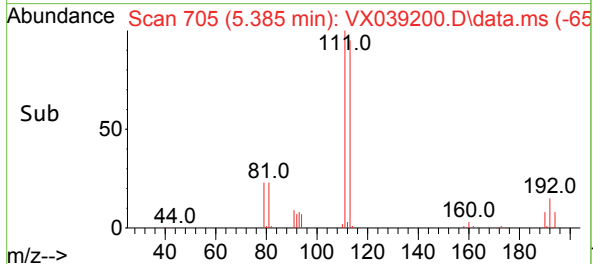


#35
Dibromofluoromethane
Concen: 47.877 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

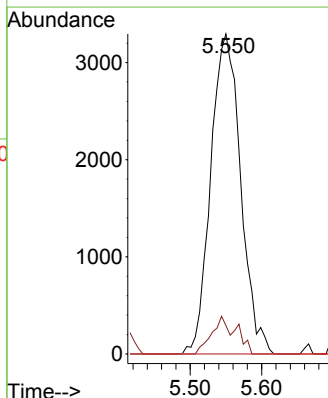
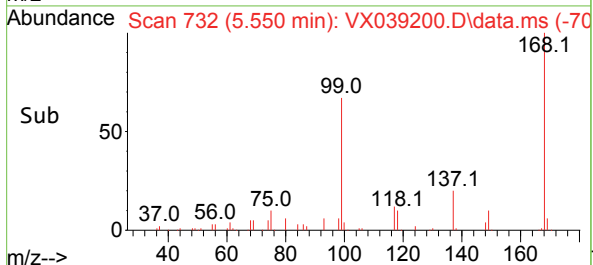
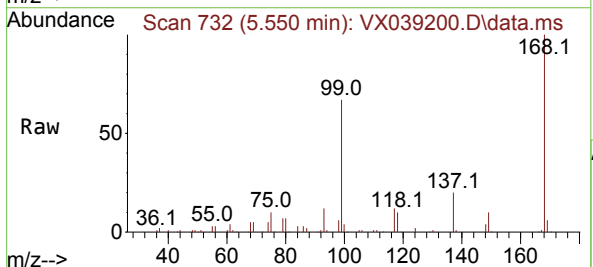


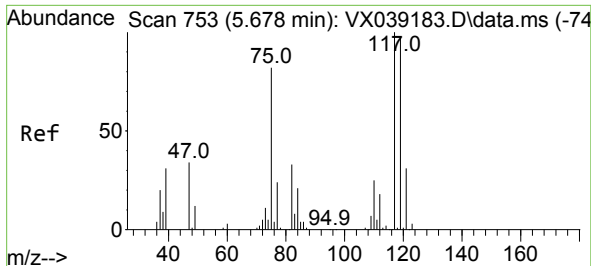
Tgt Ion:113 Resp: 66002
Ion Ratio Lower Upper
113 100
111 103.6 82.9 124.3
192 15.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.396 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

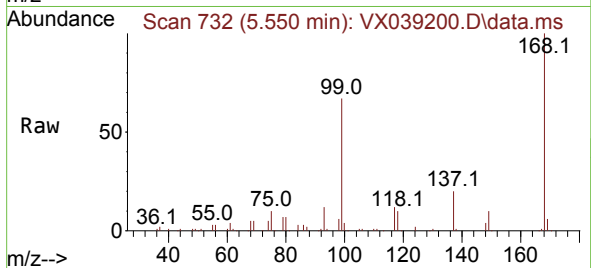
Tgt Ion: 75 Resp: 9564
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



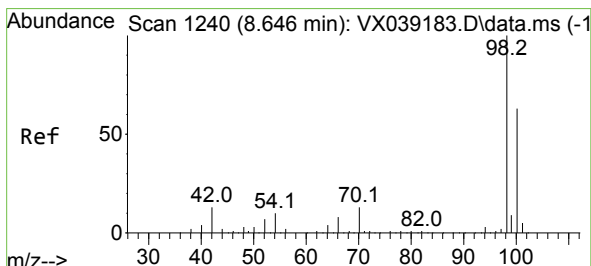
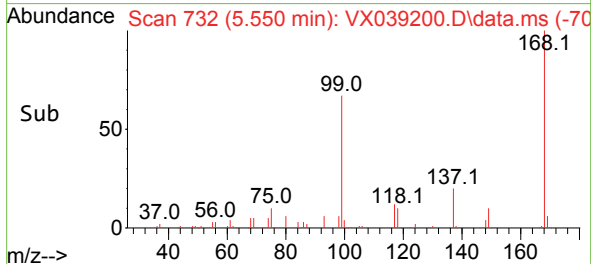
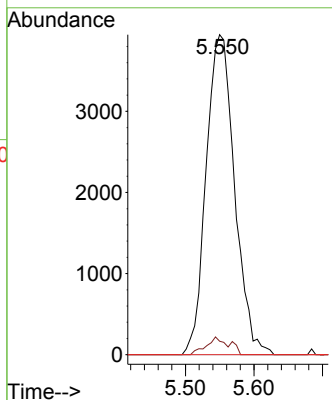


#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Instrument :
MSVOA_X
ClientSampleId :

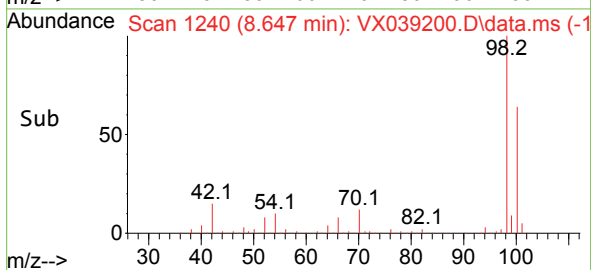
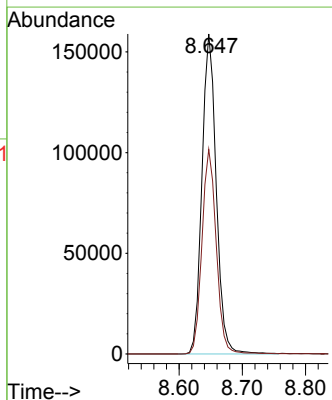
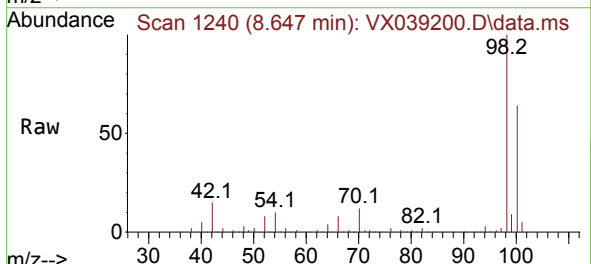


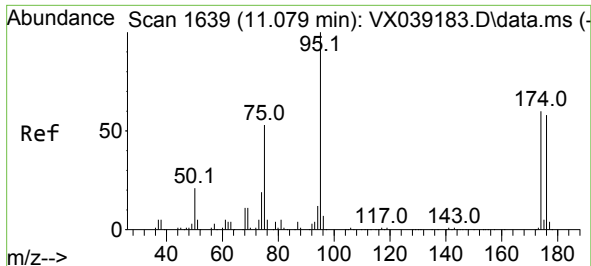
Tgt Ion:117 Resp: 11375
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 48.870 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Tgt Ion: 98 Resp: 250121
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 54.278 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039200.D

Acq: 14 Dec 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

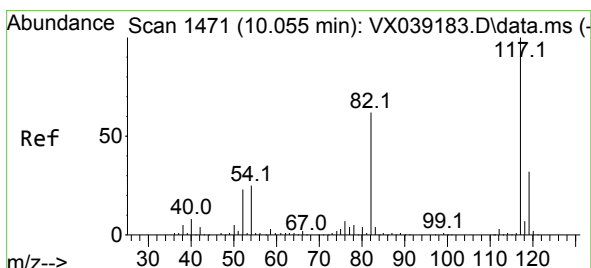
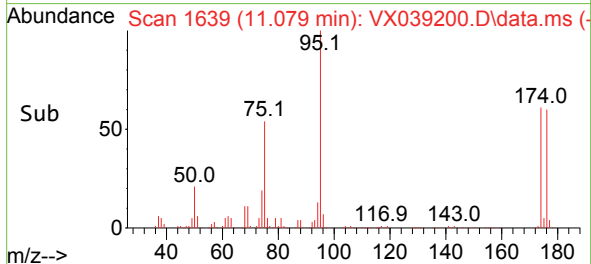
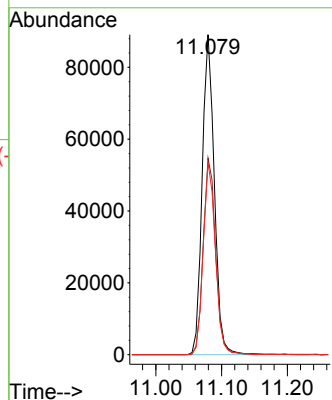
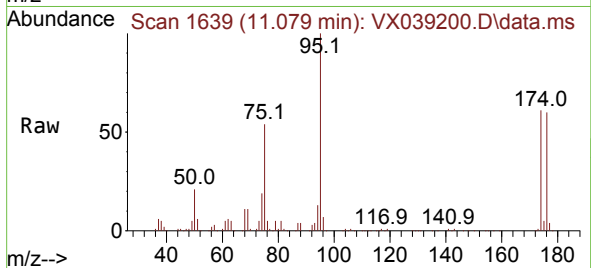
Tgt Ion: 95 Resp: 114618

Ion Ratio Lower Upper

95 100

174 62.8 0.0 135.6

176 60.4 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX039200.D

Acq: 14 Dec 2023 11:44

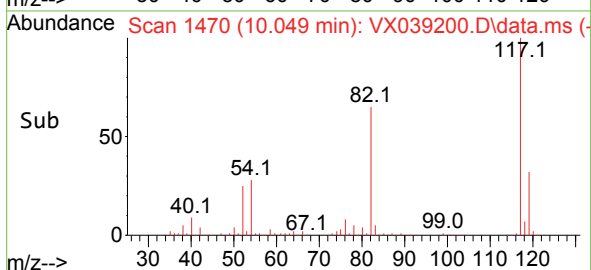
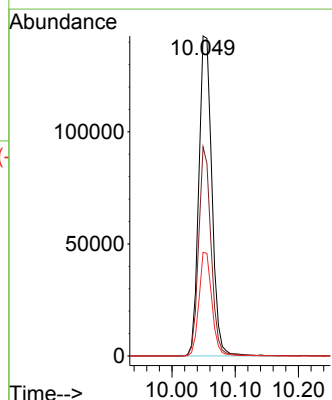
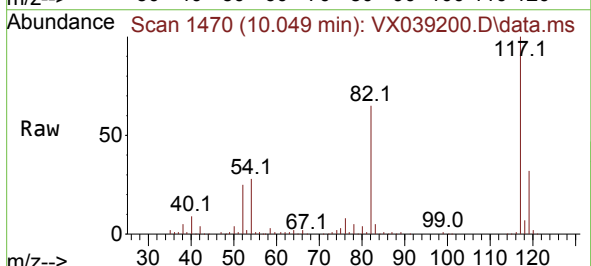
Tgt Ion: 117 Resp: 205602

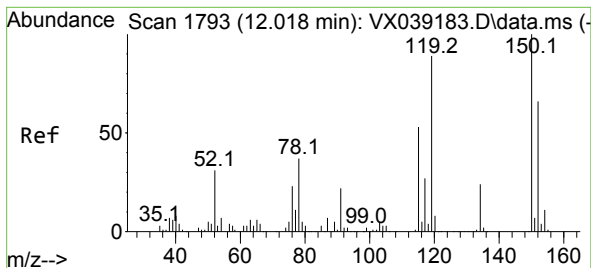
Ion Ratio Lower Upper

117 100

82 65.4 46.2 69.4

119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039200.D

Acq: 14 Dec 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :

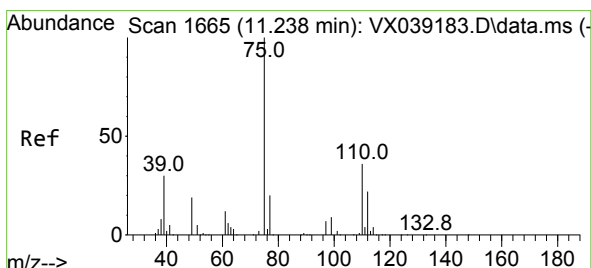
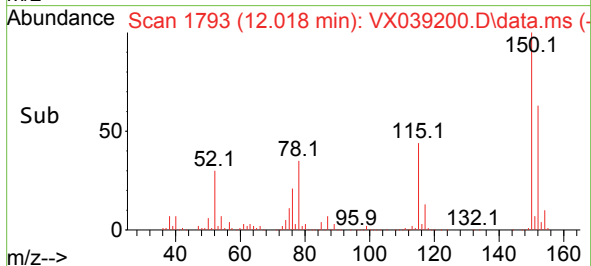
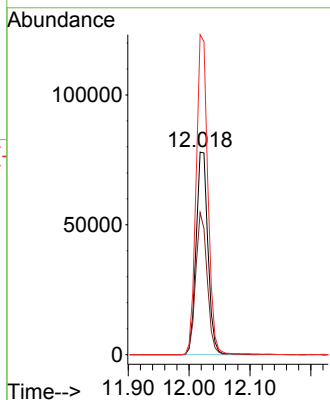
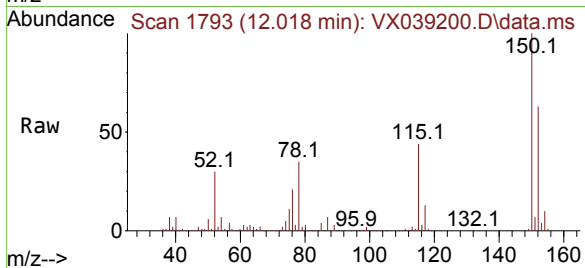
Tgt Ion:152 Resp: 105399

Ion Ratio Lower Upper

152 100

115 67.7 43.3 129.9

150 155.9 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.093 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039200.D

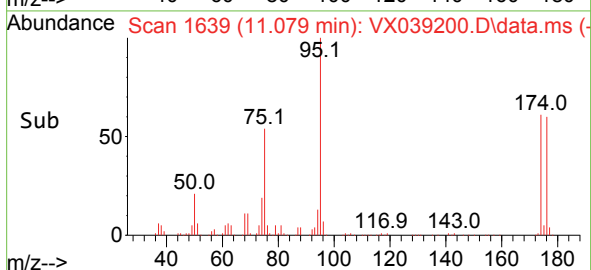
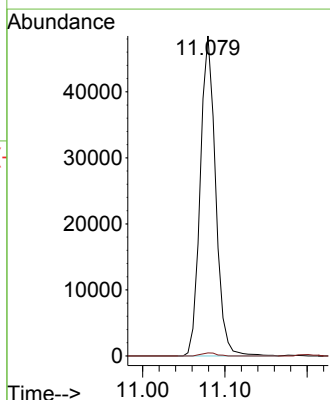
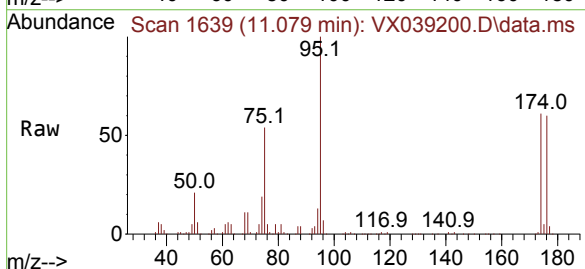
Acq: 14 Dec 2023 11:44

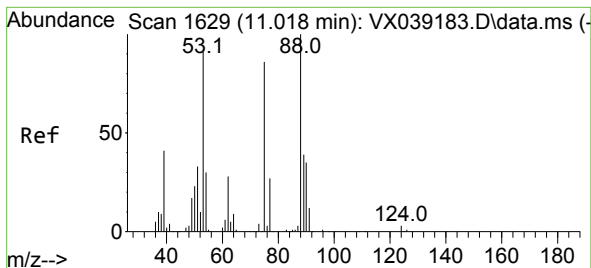
Tgt Ion: 75 Resp: 62972

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

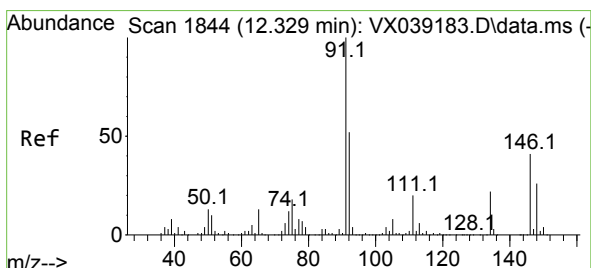
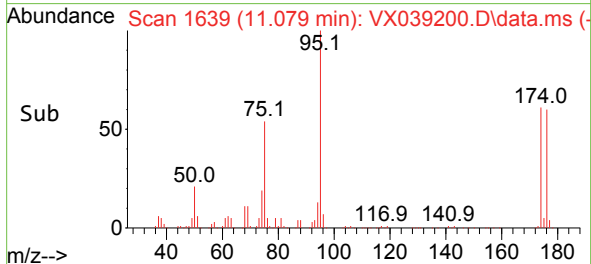
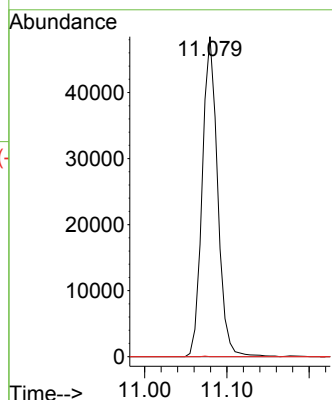
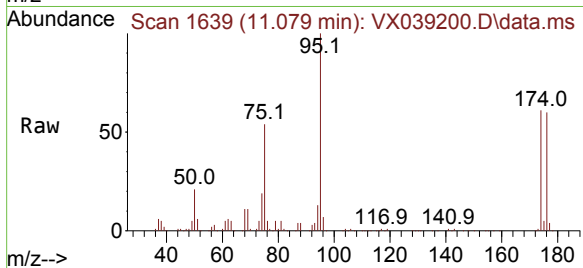




#81
trans-1,4-Dichloro-2-butene
Concen: 65.146 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

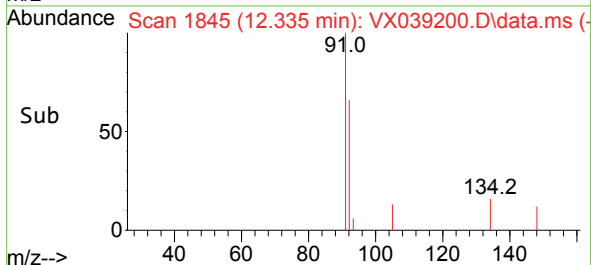
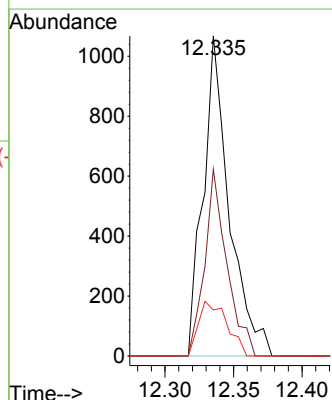
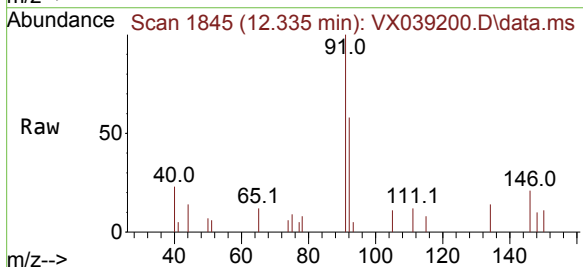
Instrument :
MSVOA_X
ClientSampleId :

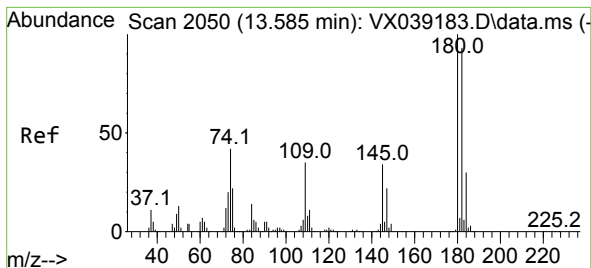
Tgt Ion: 75 Resp: 62972
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Tgt Ion: 91 Resp: 1410
Ion Ratio Lower Upper
91 100
92 49.6 27.4 82.0
134 18.7 12.6 37.8

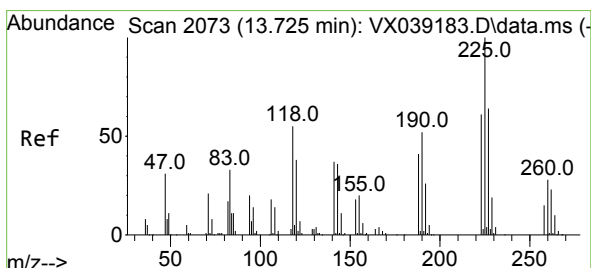
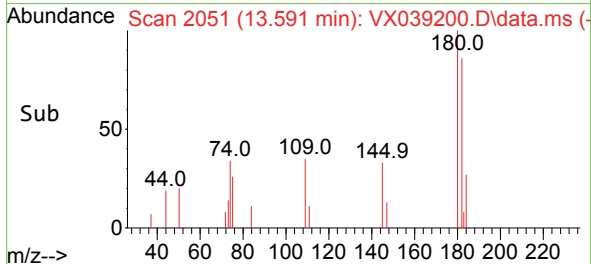
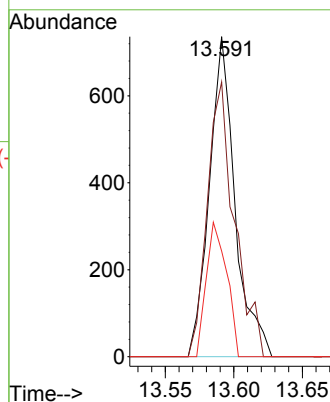
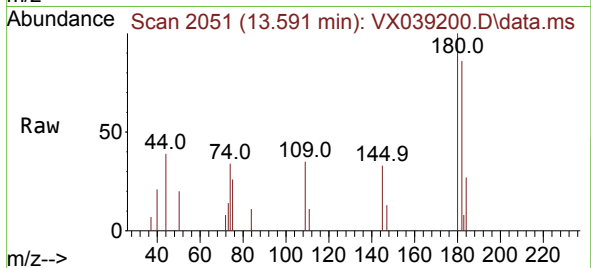




#93
1,2,4-Trichlorobenzene
Concen: 0.433 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

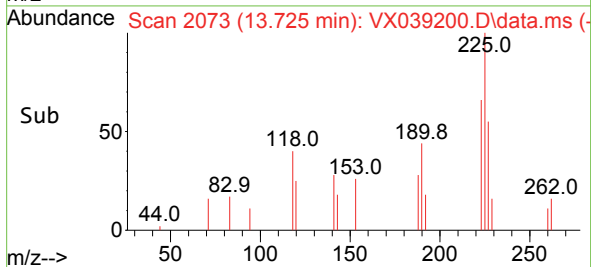
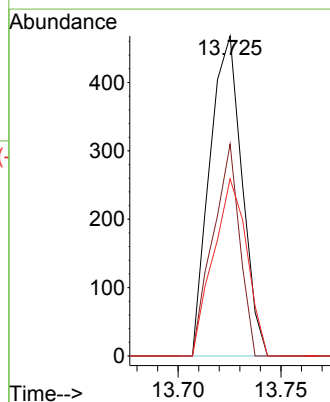
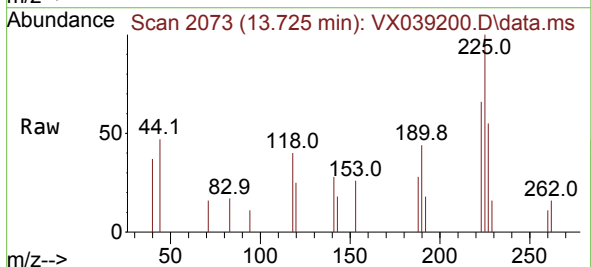
Instrument :
MSVOA_X
ClientSampleId :

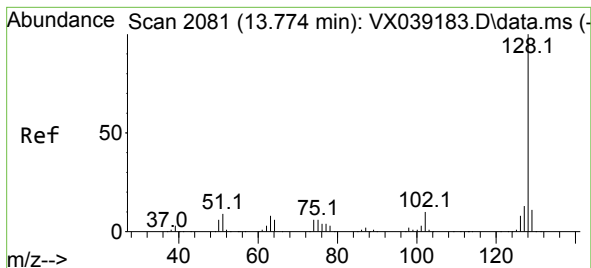
Tgt Ion:180 Resp: 958
Ion Ratio Lower Upper
180 100
182 90.8 48.3 144.8
145 33.3 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.613 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX039200.D
Acq: 14 Dec 2023 11:44

Tgt Ion:225 Resp: 511
Ion Ratio Lower Upper
225 100
223 55.0 31.1 93.2
227 57.5 32.5 97.5





#95

Naphthalene

Concen: 0.296 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

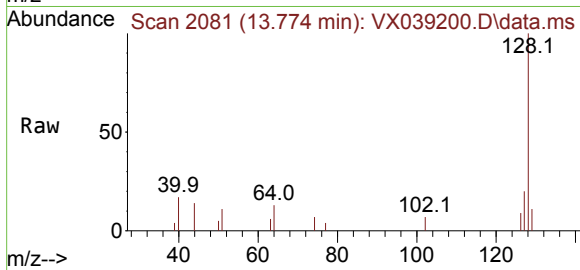
Lab File: VX039200.D

Acq: 14 Dec 2023 11:44

Instrument :

MSVOA_X

ClientSampleId :



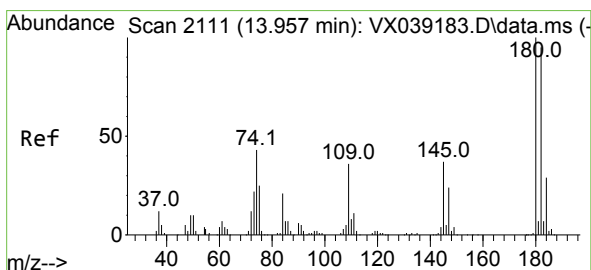
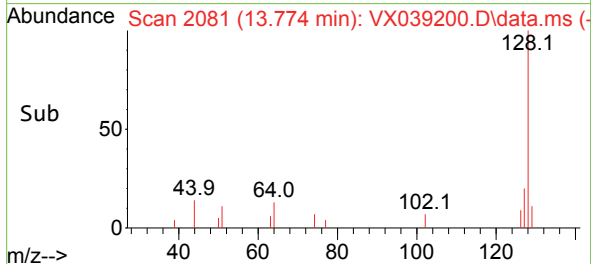
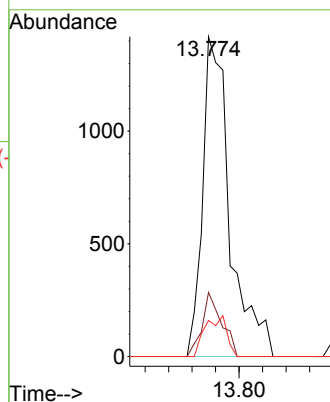
Tgt Ion:128 Resp: 2280

Ion Ratio Lower Upper

128 100

127 14.4 10.3 15.5

129 10.1 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.277 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX039200.D

Acq: 14 Dec 2023 11:44

Tgt Ion:180 Resp: 592

Ion Ratio Lower Upper

180 100

182 110.8 46.9 140.6

145 43.1 17.8 53.5

