

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039211.D
 Acq On : 14 Dec 2023 16:19
 Operator : JC/MD
 Sample : 05829-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 15 03:02:36 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)

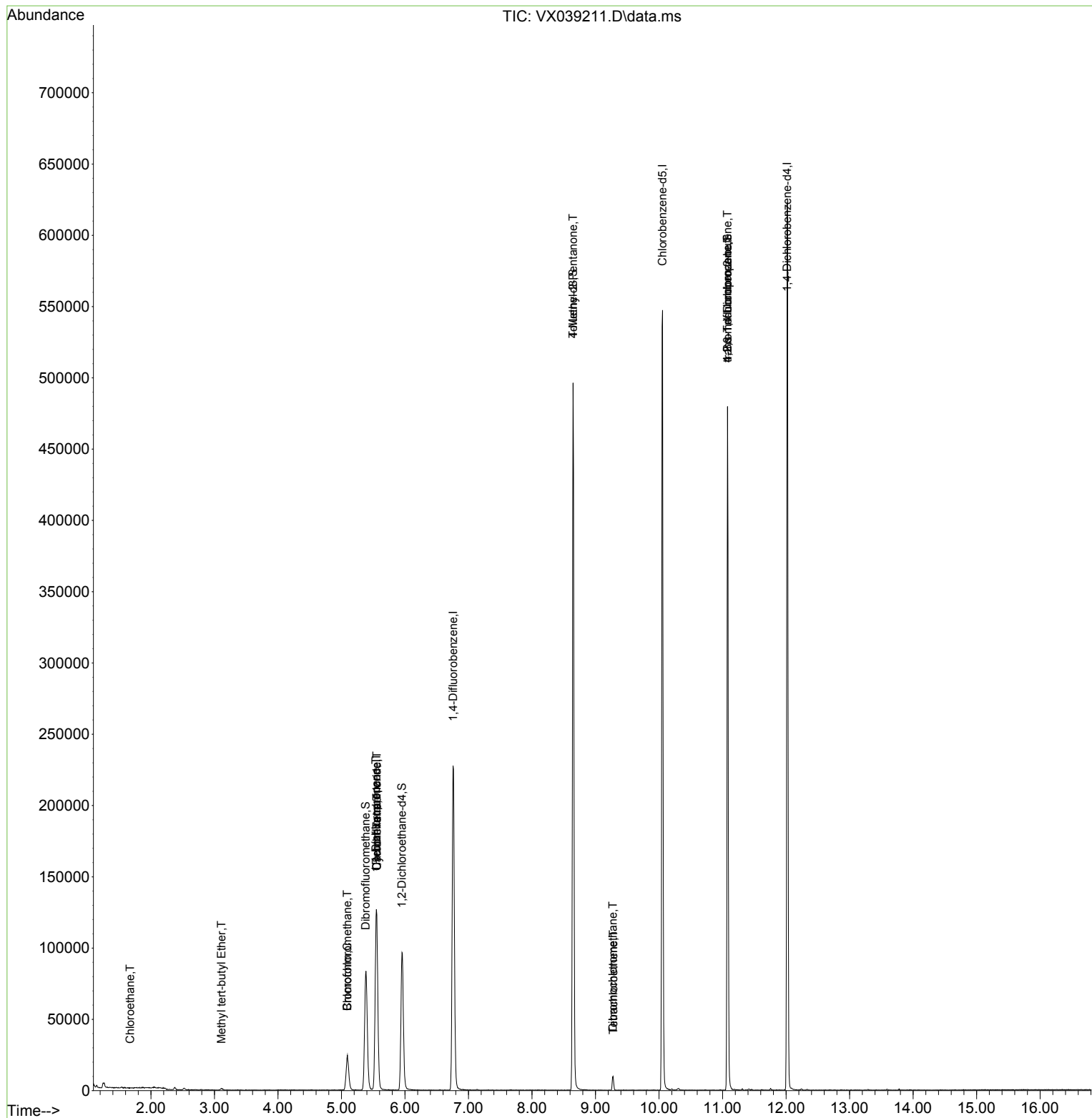
Internal Standards						
1) Pentafluorobenzene	5.550	168	108700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	118745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96888	48.656	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.320%
35) Dibromofluoromethane	5.379	113	74631	48.335	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.680%
50) Toluene-d8	8.647	98	286424	49.967	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.940%
62) 4-Bromofluorobenzene	11.079	95	130827	55.316	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.640%
Target Compounds						
					Qvalue	
6) Chloroethane	1.672	64	235	0.248	ug/l #	43
16) Acetone	2.373	43	1786	Below Cal		98
19) Methyl tert-butyl Ether	3.111	73	1131	0.224	ug/l #	91
28) Bromochloromethane	5.093	49	2239	1.575	ug/l #	16
30) Chloroform	5.093	83	26827	9.213	ug/l	100
31) Cyclohexane	5.556	56	3268	1.271	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11076	4.546	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12620	5.427	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1463	0.469	ug/l #	1
60) Dibromochloromethane	9.275	129	1849	1.053	ug/l #	11
64) Tetrachloroethene	9.281	164	1698	1.099	ug/l #	92
76) 1,2,3-Trichloropropane	11.079	75	72985	23.757	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72985	67.019	ug/l #	5

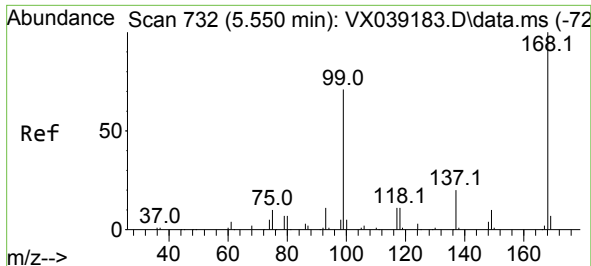
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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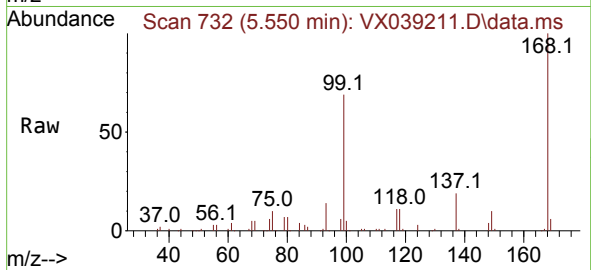


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

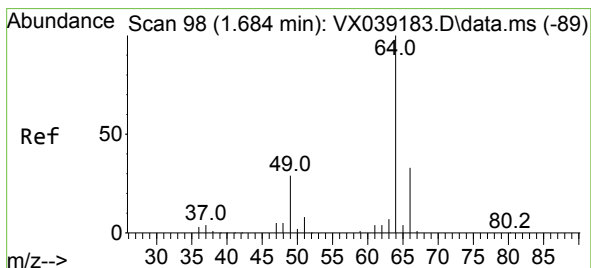
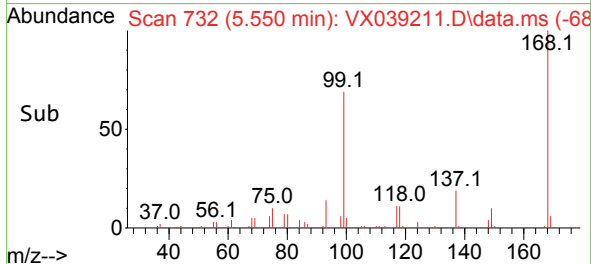
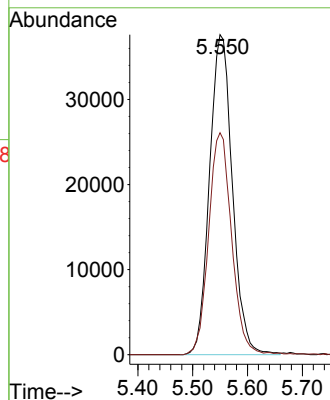
Instrument :

MSVOA_X

ClientSampleId :

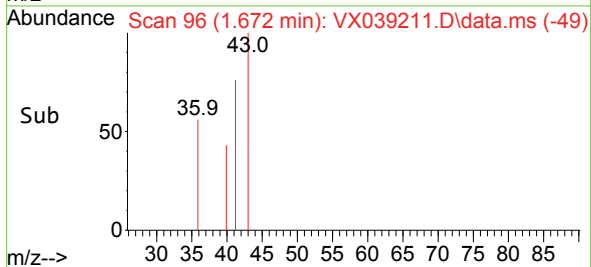
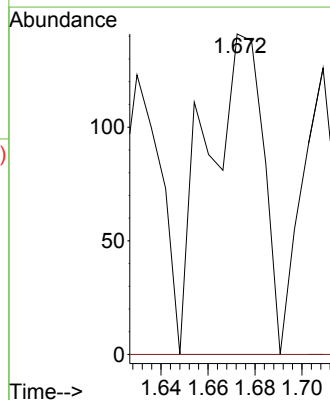
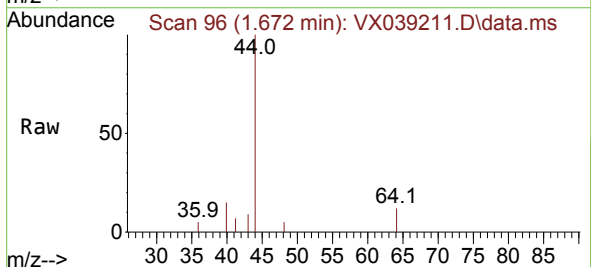


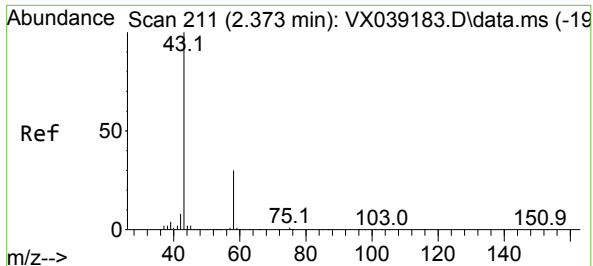
Tgt Ion:168 Resp: 108700
Ion Ratio Lower Upper
168 100
99 69.4 56.6 85.0



#6
Chloroethane
Concen: 0.248 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.012 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Tgt Ion: 64 Resp: 235
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

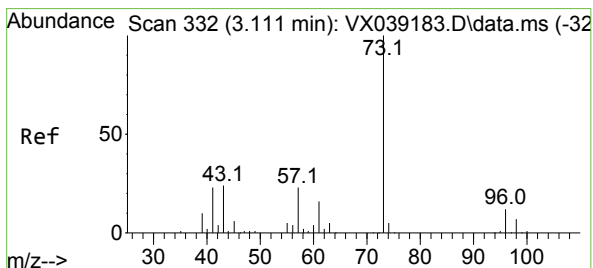
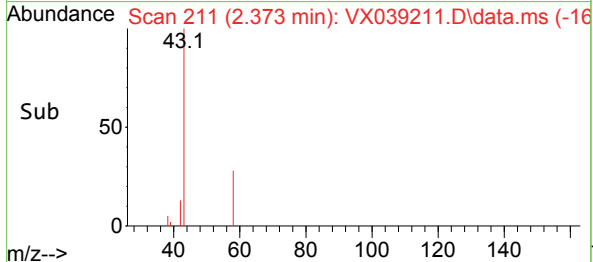
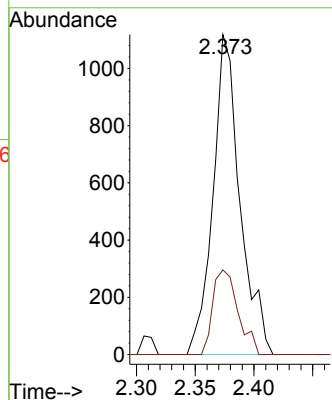
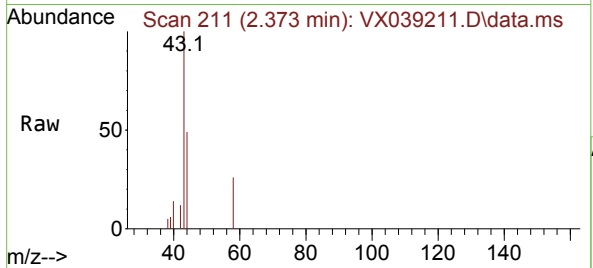




#16
Acetone
Concen: Below Cal
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

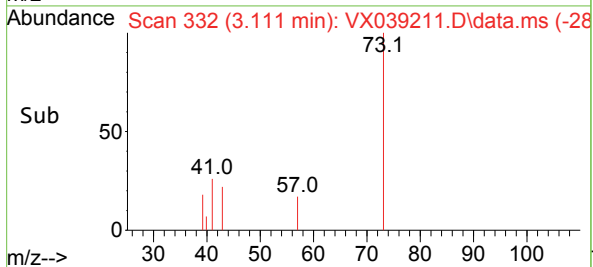
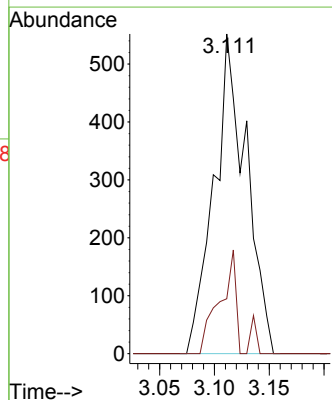
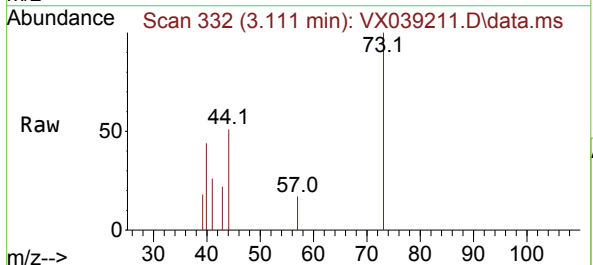
Instrument :
MSVOA_X
ClientSampleId :

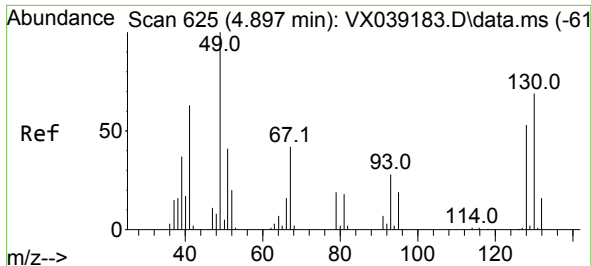
Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
58 26.5 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 0.224 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

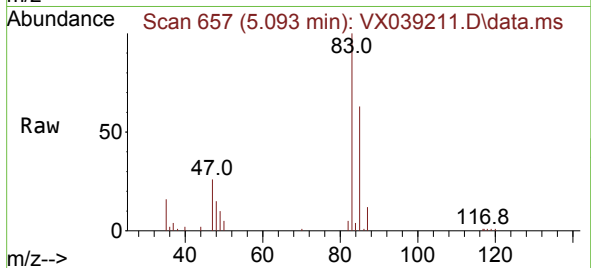
Tgt Ion: 73 Resp: 1131
Ion Ratio Lower Upper
73 100
57 17.2 17.3 25.9#



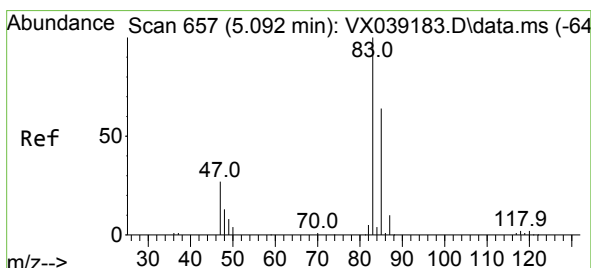
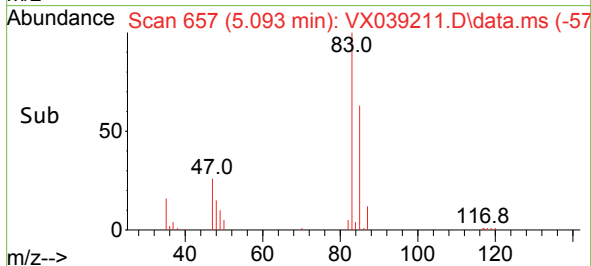
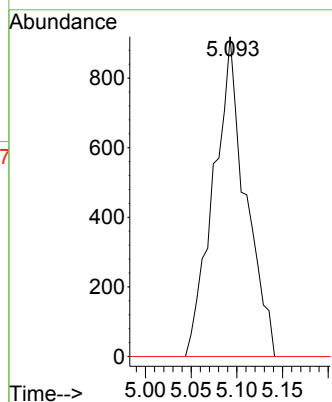


#28
Bromochloromethane
Concen: 1.575 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.195 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :

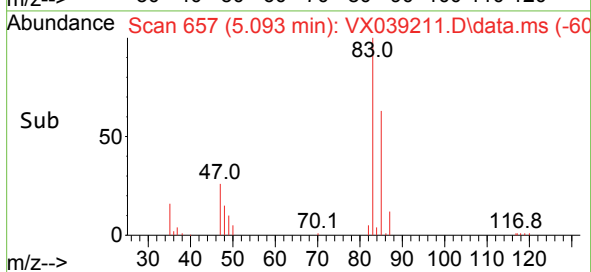
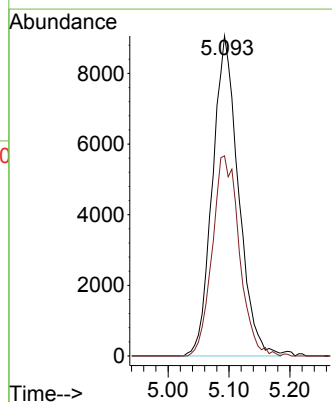
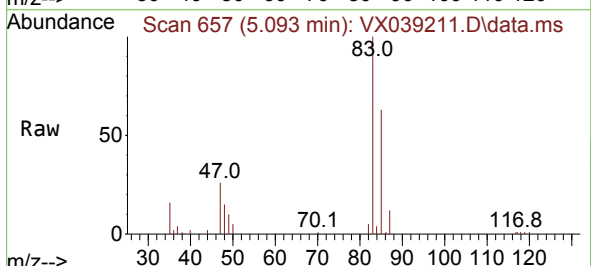


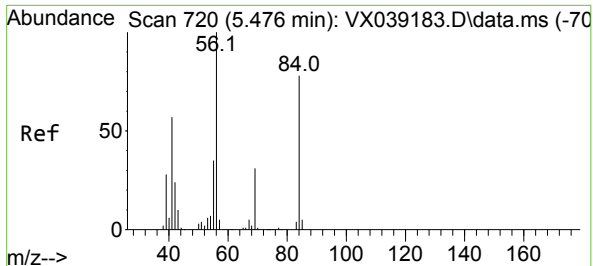
Tgt Ion: 49 Resp: 2239
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#



#30
Chloroform
Concen: 9.213 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

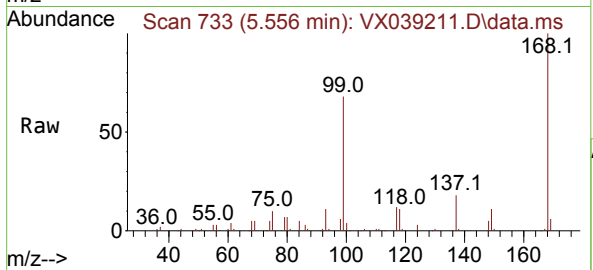
Tgt Ion: 83 Resp: 26827
Ion Ratio Lower Upper
83 100
85 62.6 50.3 75.5



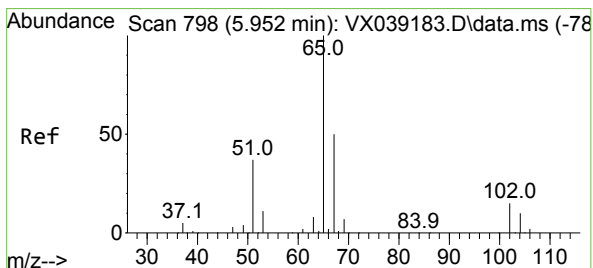
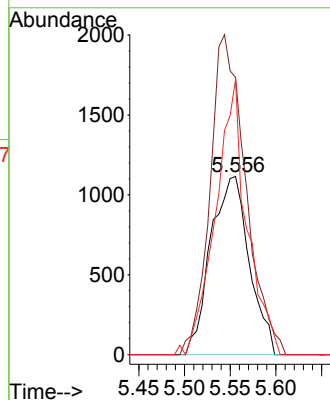
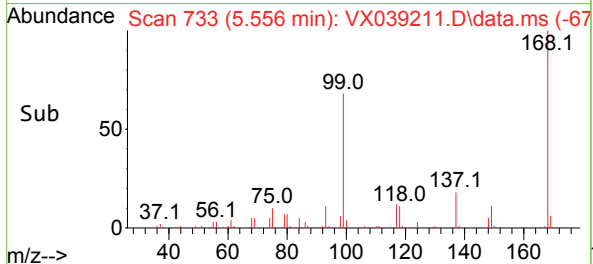


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.080 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :

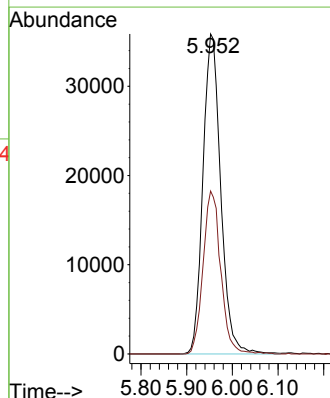
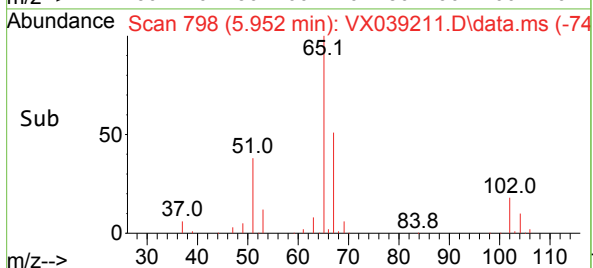
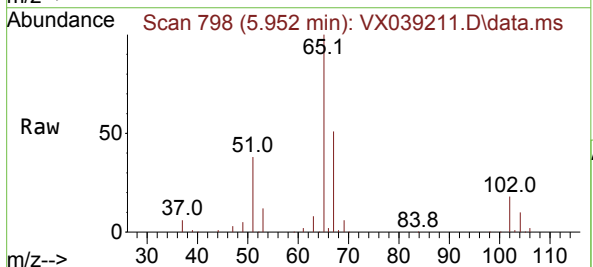


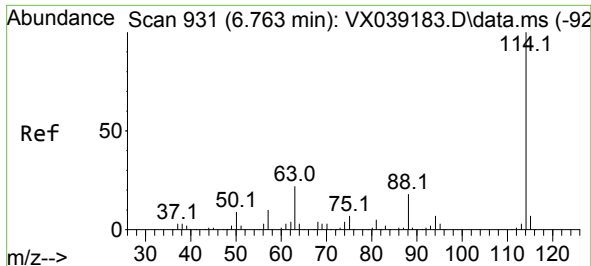
Tgt Ion: 56 Resp: 3268
Ion Ratio Lower Upper
56 100
69 155.6 23.4 35.2#
84 154.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.656 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Tgt Ion: 65 Resp: 96888
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.2

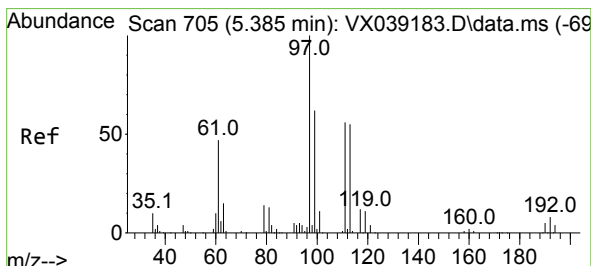
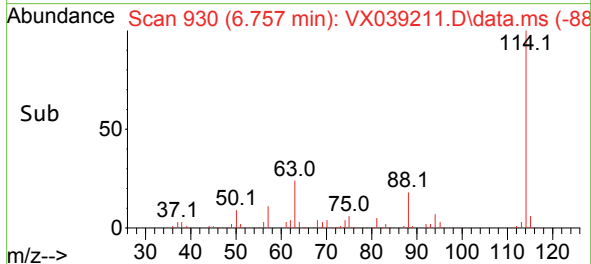
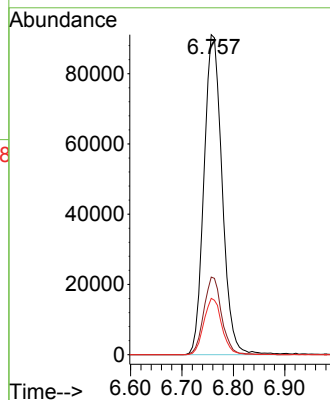
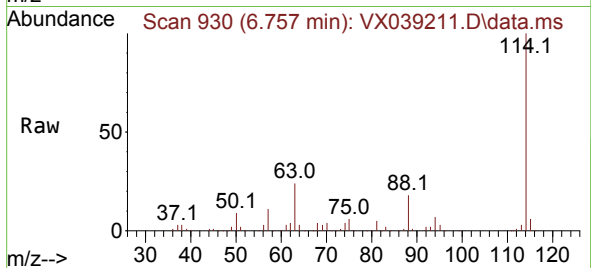




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

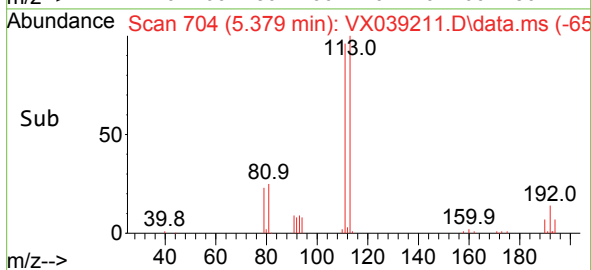
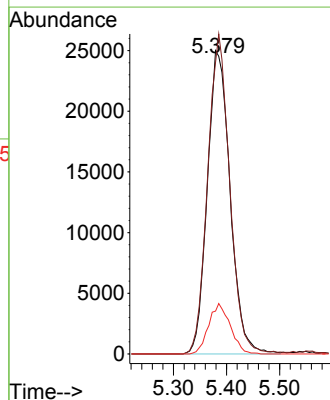
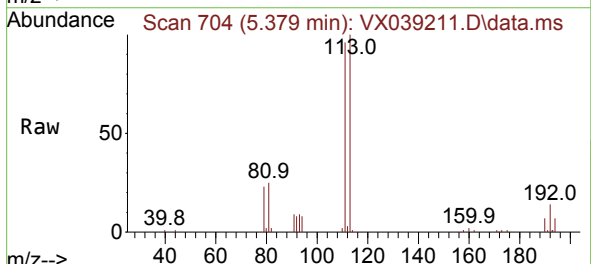
Instrument :
MSVOA_X
ClientSampleId :

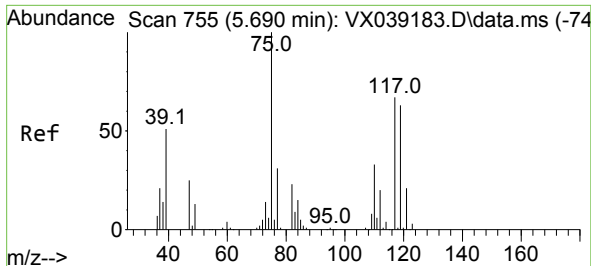
Tgt Ion:114 Resp: 223497
Ion Ratio Lower Upper
114 100
63 24.3 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.335 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

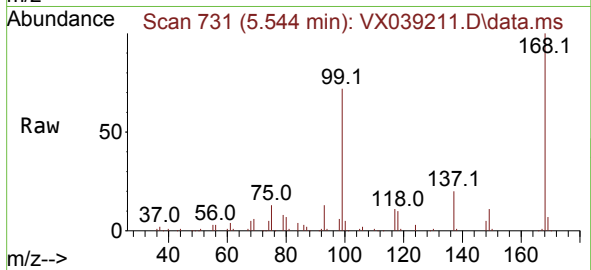
Tgt Ion:113 Resp: 74631
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 15.8 13.3 19.9



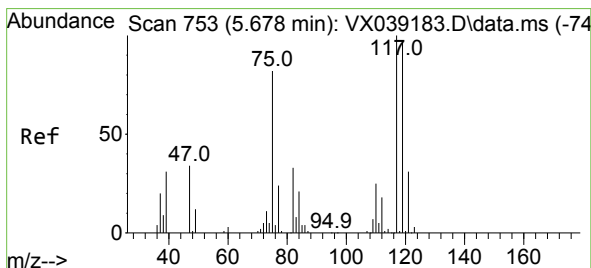
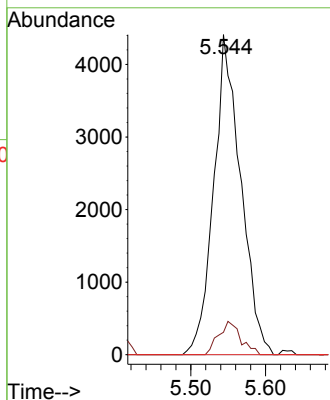
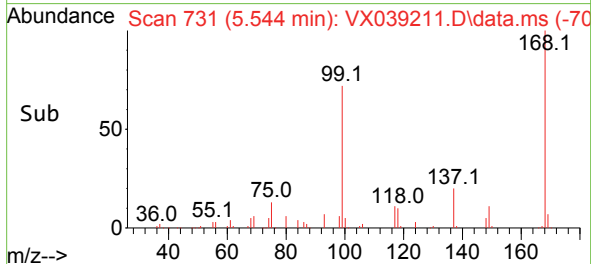


#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Instrument :
MSVOA_X
ClientSampleId :

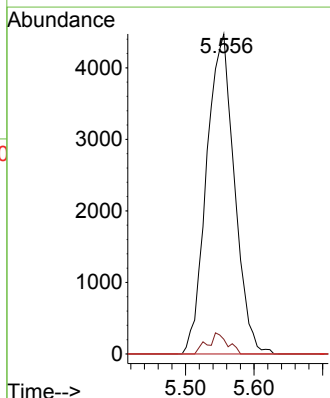
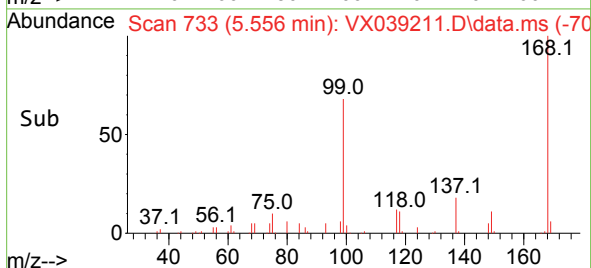
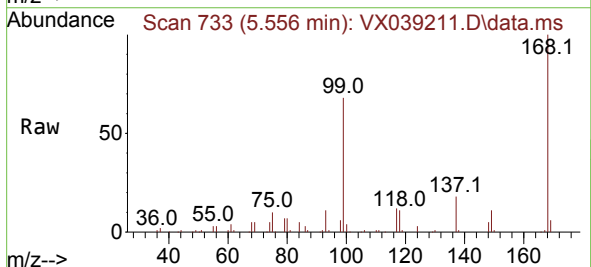


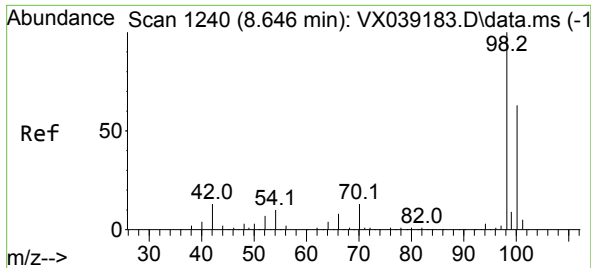
Tgt Ion: 75 Resp: 11076
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Tgt Ion: 117 Resp: 12620
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

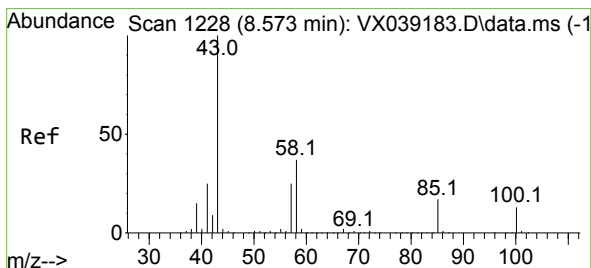
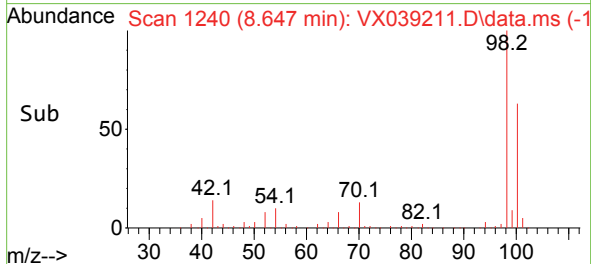
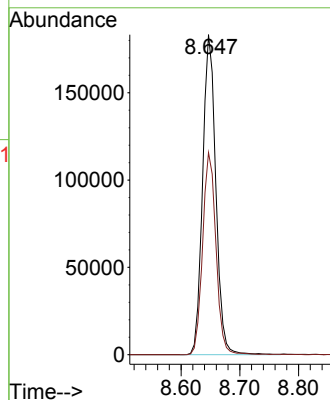
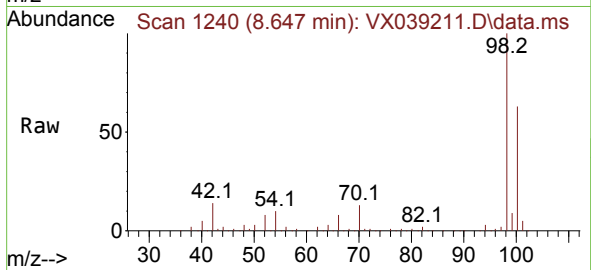




#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

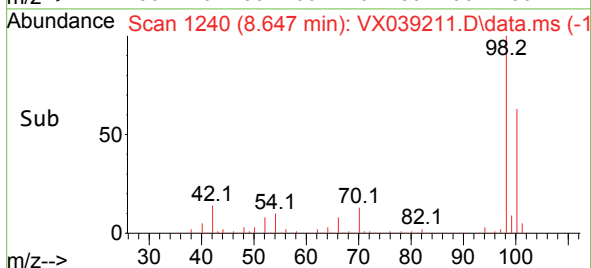
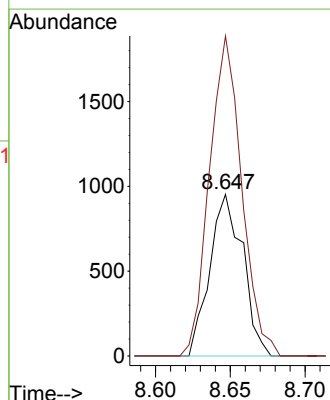
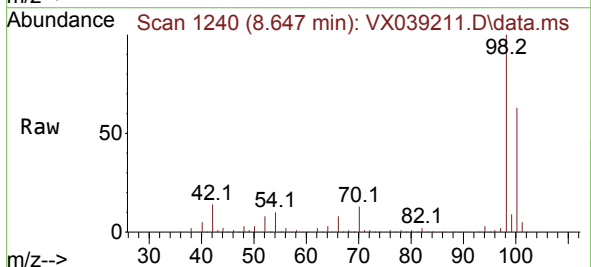
Instrument :
MSVOA_X
ClientSampleId :

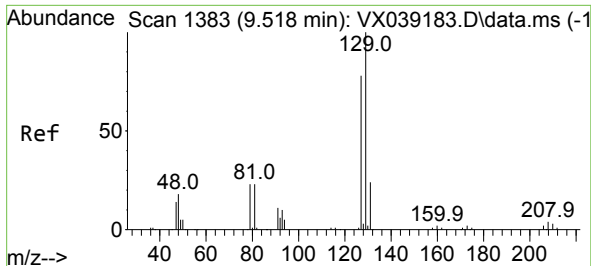
Tgt Ion: 98 Resp: 286424
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.469 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Tgt Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
58 193.8 30.4 45.6#

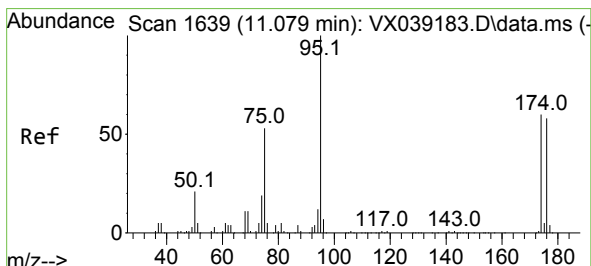
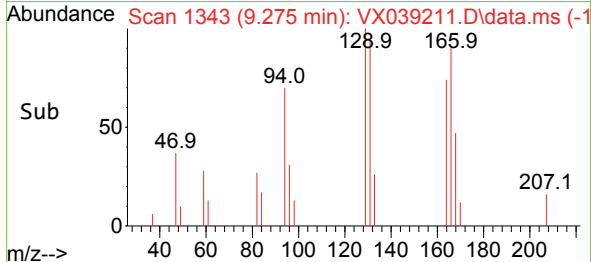
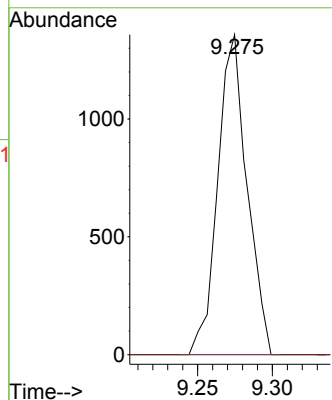
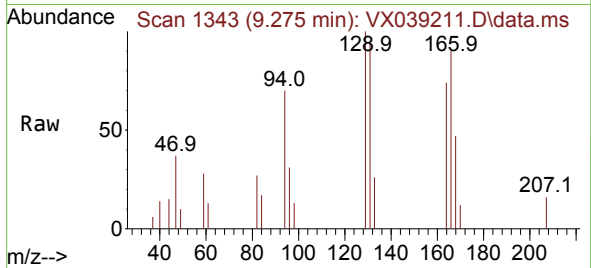




#60
Dibromochloromethane
Concen: 1.053 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

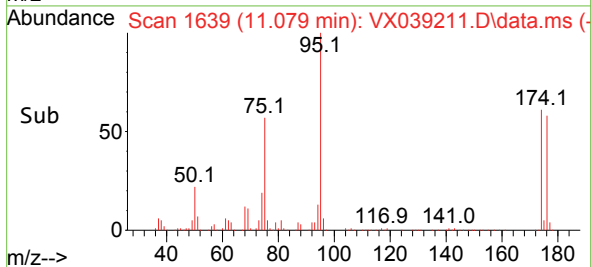
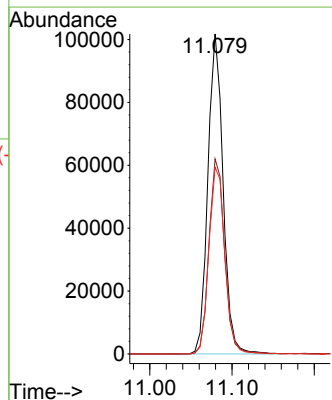
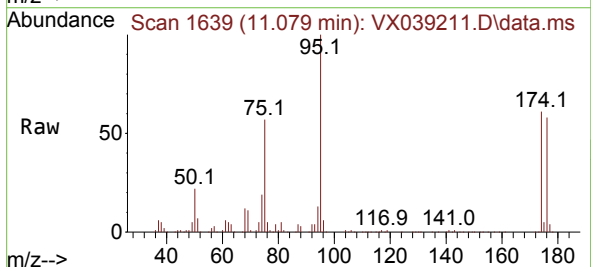
Instrument :
MSVOA_X
ClientSampleId :

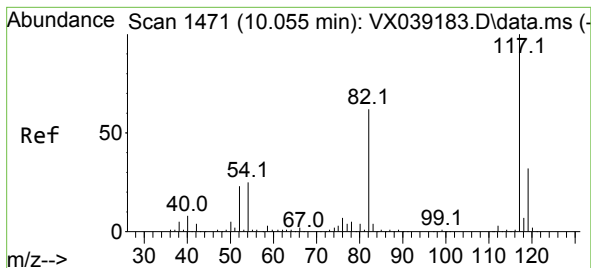
Tgt Ion:129 Resp: 1849
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 55.316 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039211.D
Acq: 14 Dec 2023 16:19

Tgt Ion: 95 Resp: 130827
Ion Ratio Lower Upper
95 100
174 62.5 0.0 135.6
176 61.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

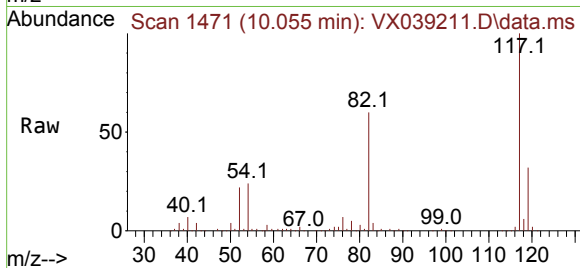
Lab File: VX039211.D

Acq: 14 Dec 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :



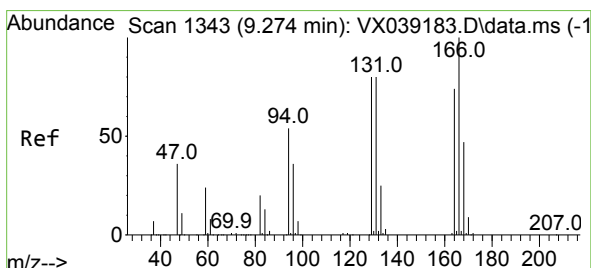
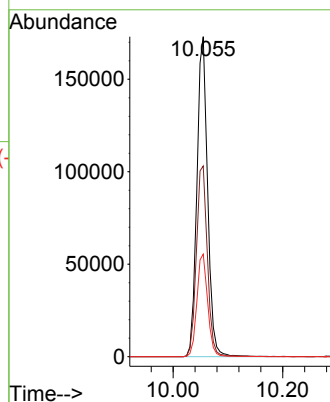
Tgt Ion:117 Resp: 236366

Ion Ratio Lower Upper

117 100

82 59.6 46.2 69.4

119 32.0 25.5 38.3



#64

Tetrachloroethene

Concen: 1.099 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX039211.D

Acq: 14 Dec 2023 16:19

Tgt Ion:164 Resp: 1698

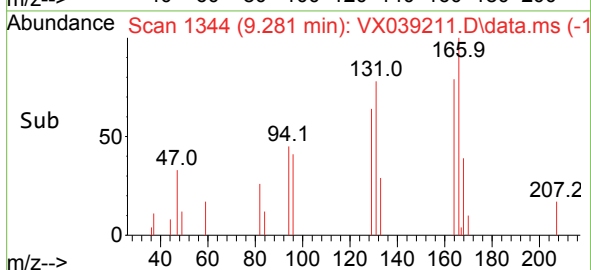
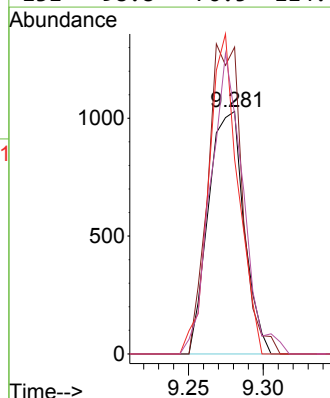
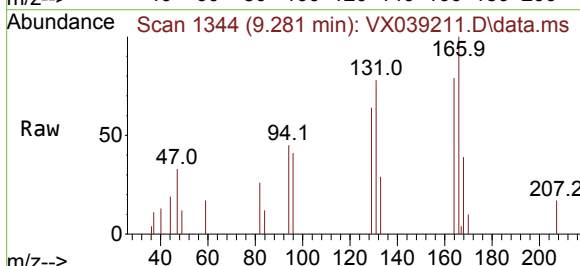
Ion Ratio Lower Upper

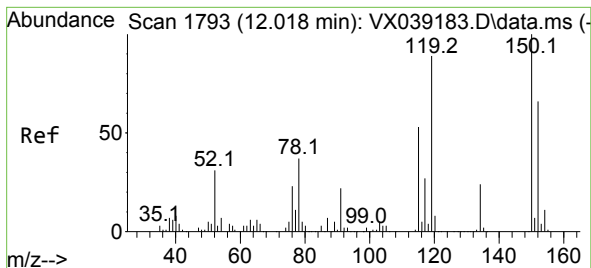
164 100

166 126.5 102.7 154.1

129 80.4 80.4 120.6#

131 98.8 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039211.D

Acq: 14 Dec 2023 16:19

Instrument :

MSVOA_X

ClientSampleId :

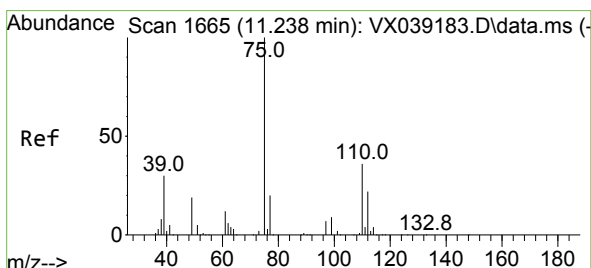
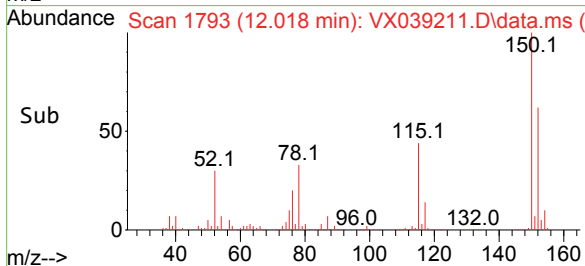
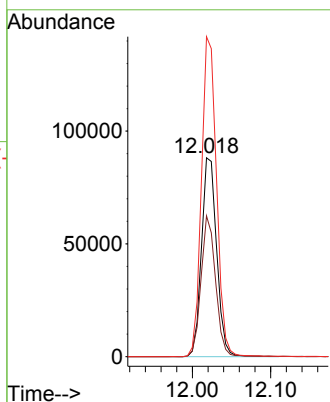
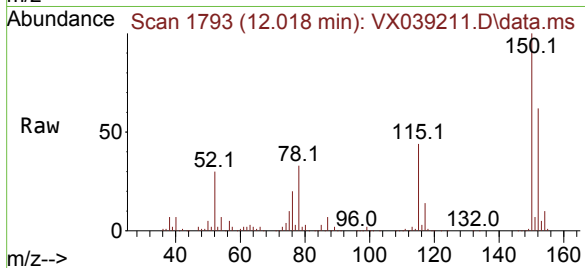
Tgt Ion:152 Resp: 118745

Ion Ratio Lower Upper

152 100

115 67.8 43.3 129.9

150 160.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.757 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039211.D

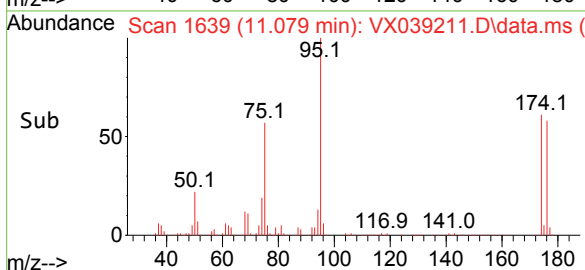
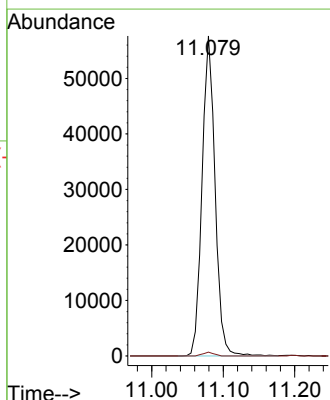
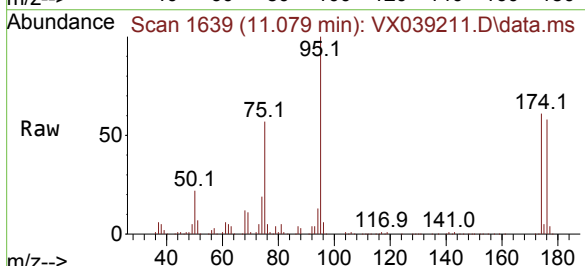
Acq: 14 Dec 2023 16:19

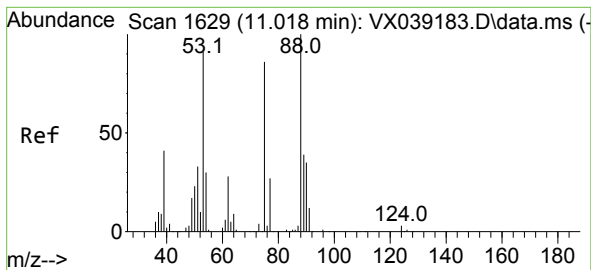
Tgt Ion: 75 Resp: 72985

Ion Ratio Lower Upper

75 100

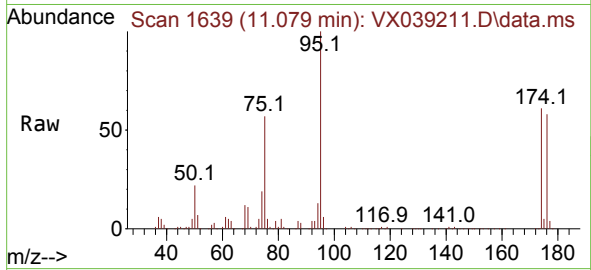
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.019 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX039211.D
 Acq: 14 Dec 2023 16:19

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 72985
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

