

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031323\
 Data File : VX034434.D
 Acq On : 13 Mar 2023 15:48
 Operator : JC/MD
 Sample : 01879-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D1-20230308

Quant Time: Mar 14 02:26:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

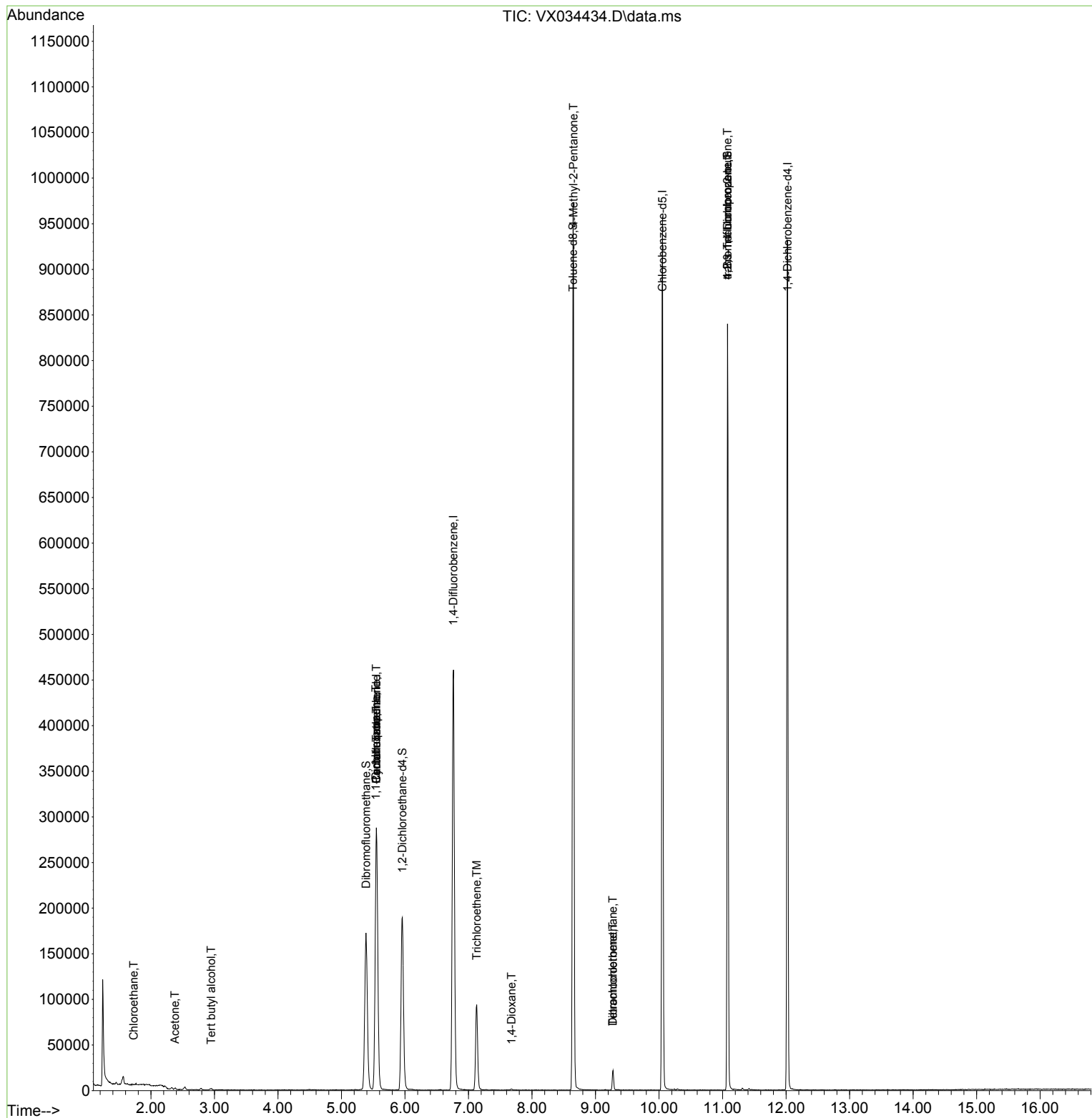
Internal Standards						
1) Pentafluorobenzene	5.550	168	275586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	470301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	422227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	193167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	179331	44.730	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.460%		
35) Dibromofluoromethane	5.385	113	148643	47.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.740%		
50) Toluene-d8	8.647	98	570988	49.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.520%		
62) 4-Bromofluorobenzene	11.079	95	216684	46.279	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.560%		
Target Compounds						
3) Chloromethane	1.294	50	871	Below Cal		89
6) Chloroethane	1.727	64	962	0.478 ug/l #		42
11) Tert butyl alcohol	2.946	59	849	1.017 ug/l #		73
16) Acetone	2.380	43	1714	0.908 ug/l #		88
31) Cyclohexane	5.550	56	6204	1.103 ug/l #		1
36) 1,1-Dichloropropene	5.544	75	21654	4.540 ug/l #		52
38) Carbon Tetrachloride	5.550	117	26576	5.601 ug/l #		17
44) Trichloroethene	7.129	130	37210	10.265 ug/l		96
49) 1,4-Dioxane	7.677	88	955	10.711 ug/l		91
51) 4-Methyl-2-Pentanone	8.653	43	2785	0.544 ug/l #		1
60) Dibromochloromethane	9.275	129	3569	0.993 ug/l #		10
64) Tetrachloroethene	9.275	164	3620	1.276 ug/l		96
76) 1,2,3-Trichloropropane	11.079	75	110614	24.939 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	110614	67.468 ug/l #		8

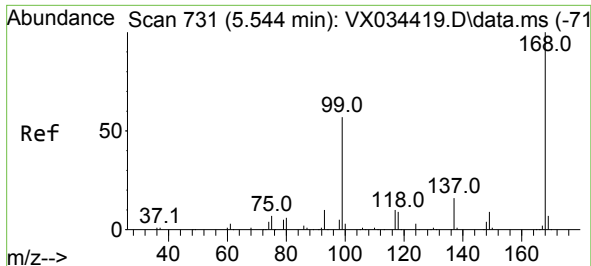
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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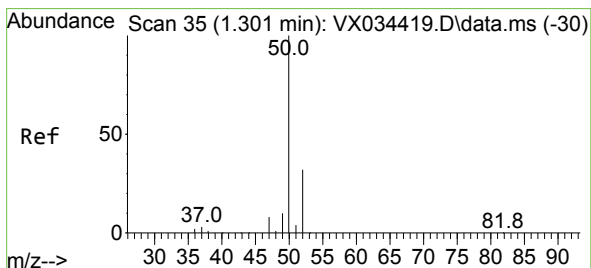
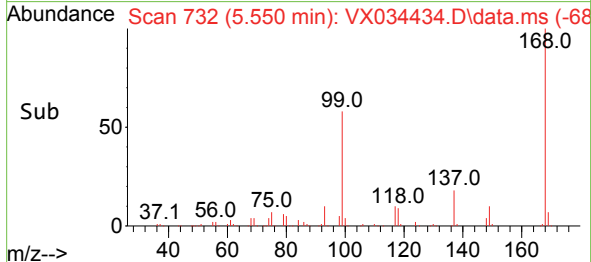
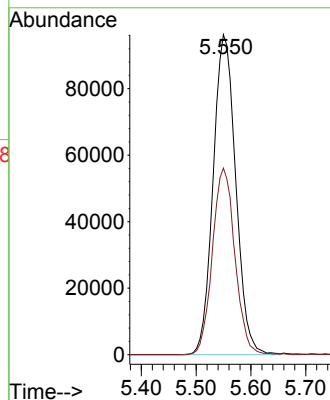
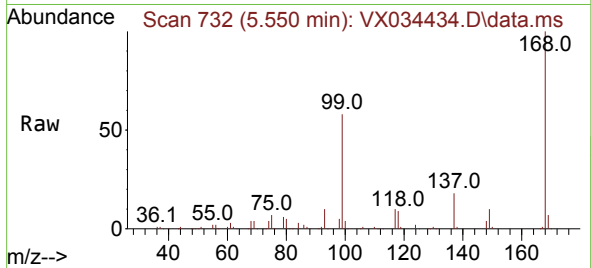




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

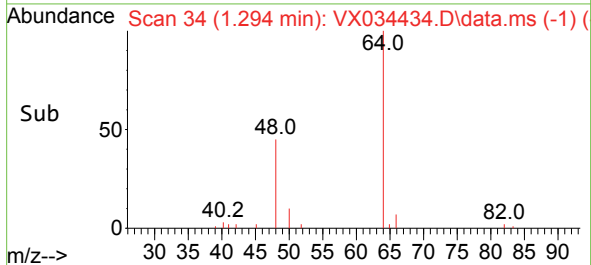
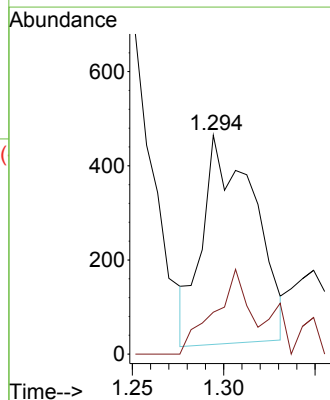
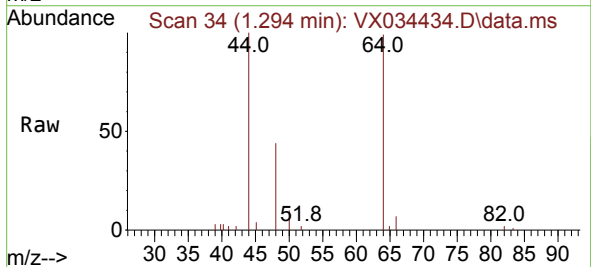
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20230308

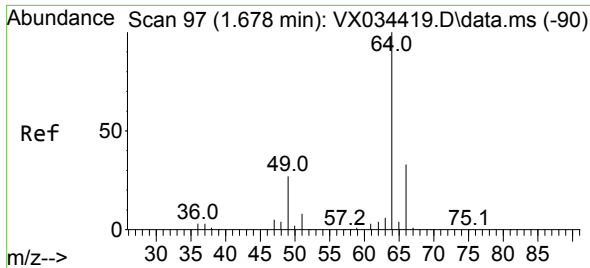
Tgt Ion:168 Resp: 275586
Ion Ratio Lower Upper
168 100
99 58.3 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion: 50 Resp: 871
Ion Ratio Lower Upper
50 100
52 26.0 25.9 38.9

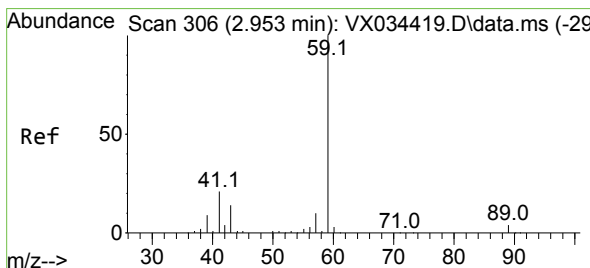
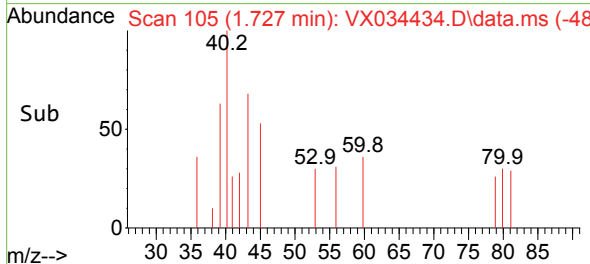
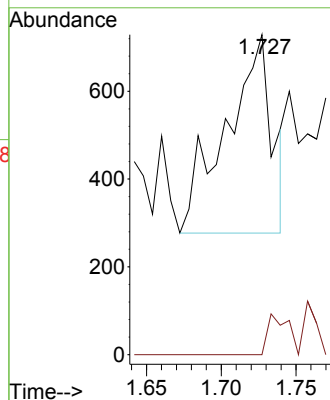
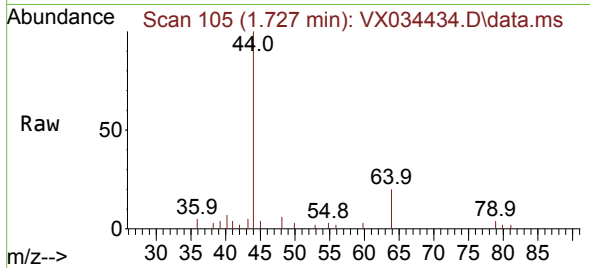




#6
Chloroethane
Concen: 0.478 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.049 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

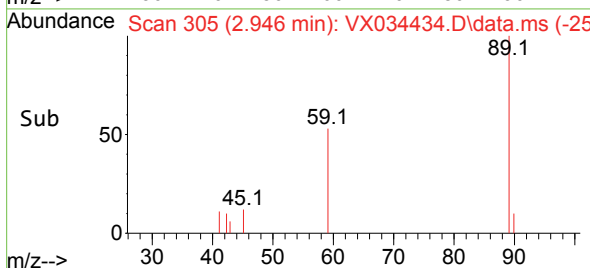
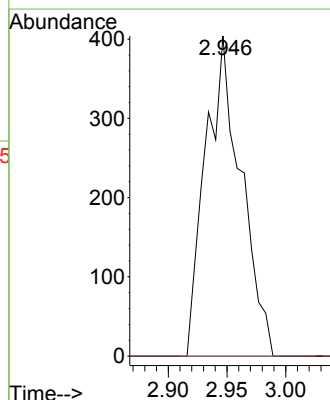
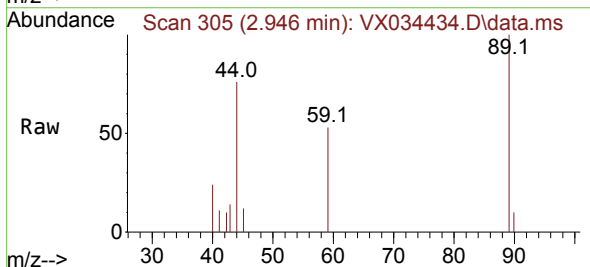
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20230308

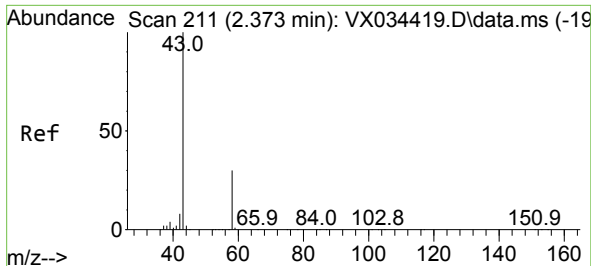
Tgt Ion: 64 Resp: 962
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.017 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

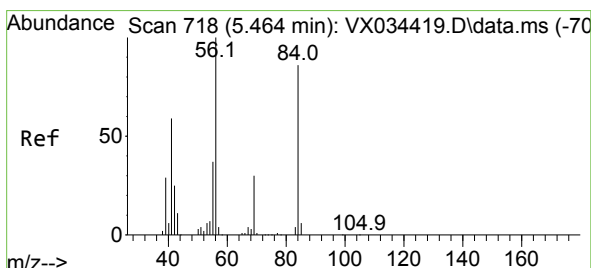
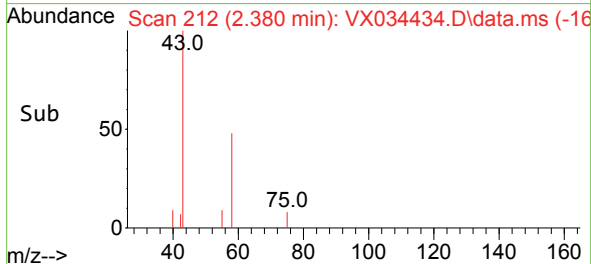
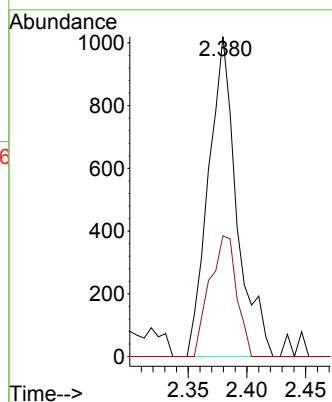
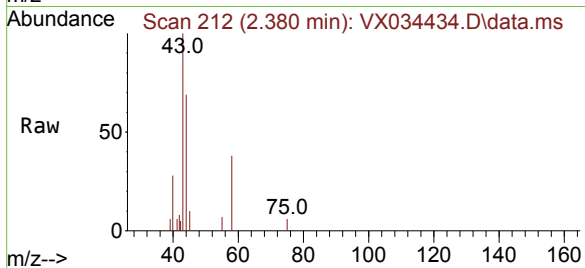




#16
Acetone
Concen: 0.908 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

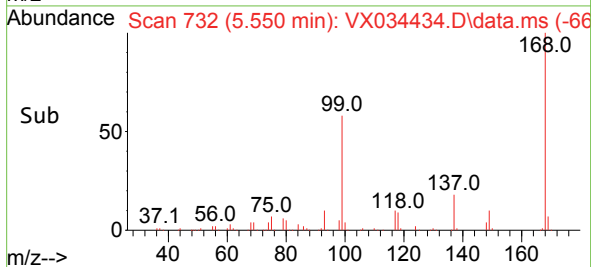
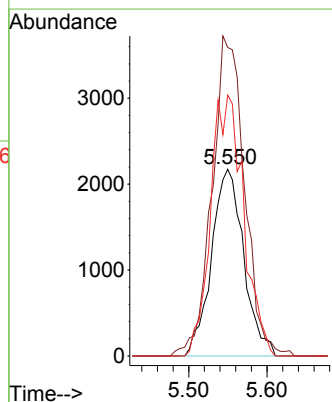
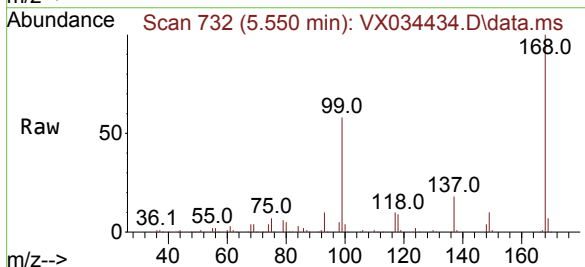
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20230308

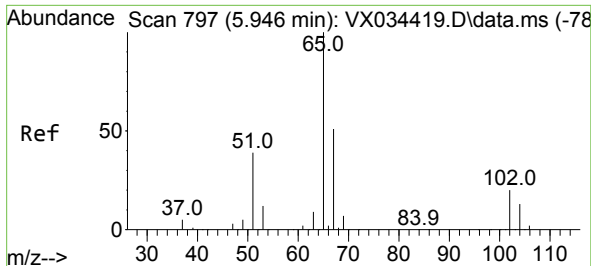
Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
58 37.7 24.7 37.1#



#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion: 56 Resp: 6204
Ion Ratio Lower Upper
56 100
69 162.7 23.7 35.5#
84 139.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 44.730 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034434.D

Acq: 13 Mar 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

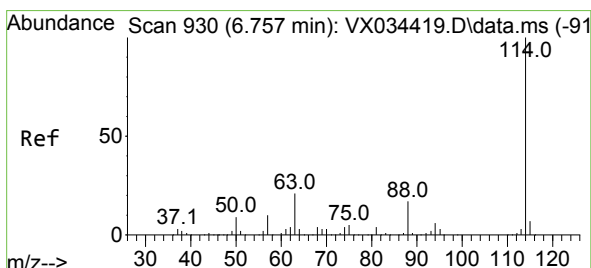
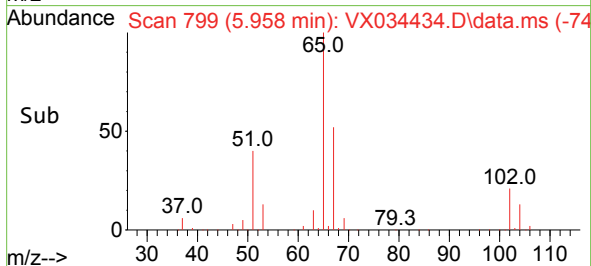
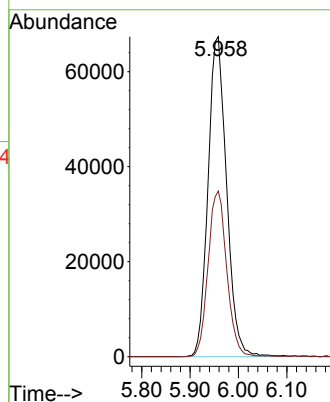
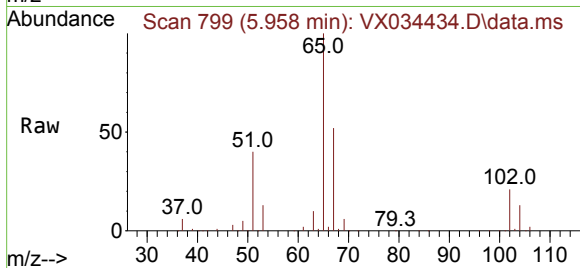
RE109D1-20230308

Tgt Ion: 65 Resp: 179331

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034434.D

Acq: 13 Mar 2023 15:48

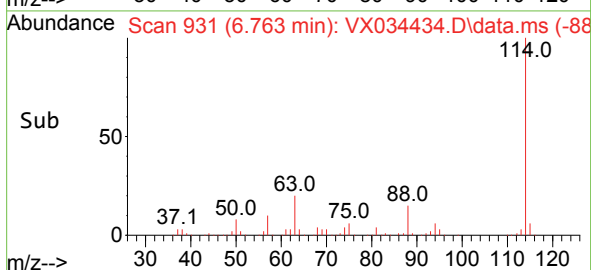
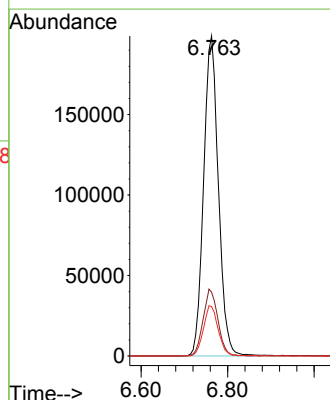
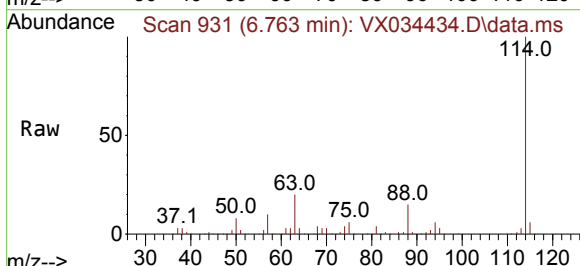
Tgt Ion: 114 Resp: 470301

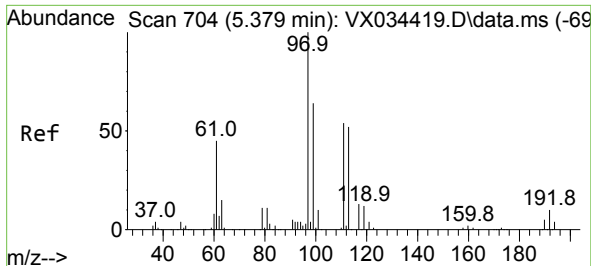
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.2

88 15.4 0.0 33.2

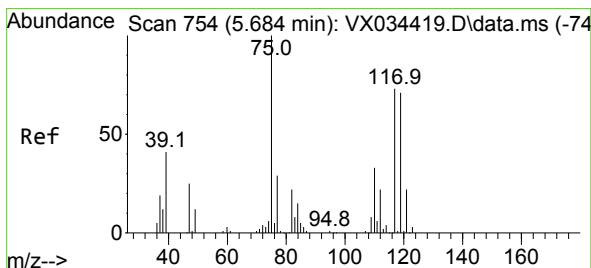
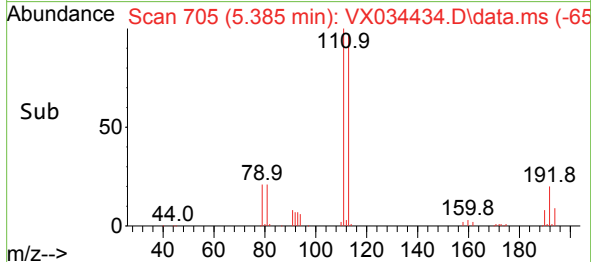
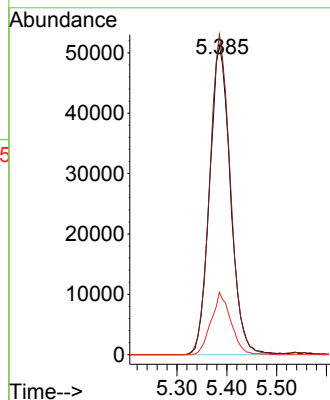
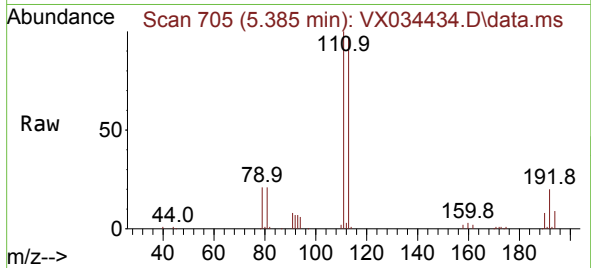




#35
Dibromofluoromethane
Concen: 47.870 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

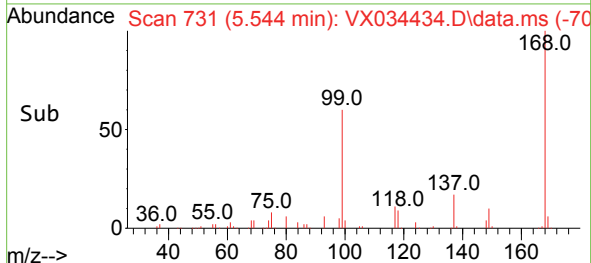
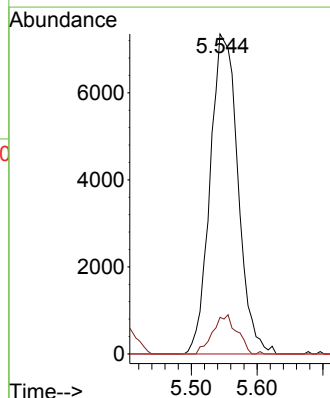
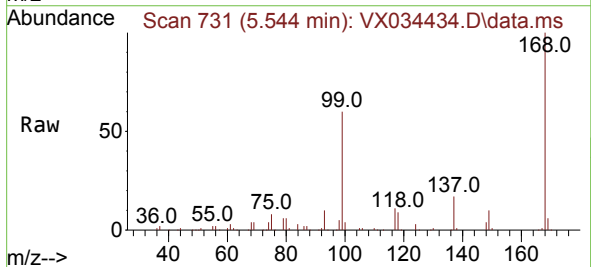
Instrument :
MSVOA_X
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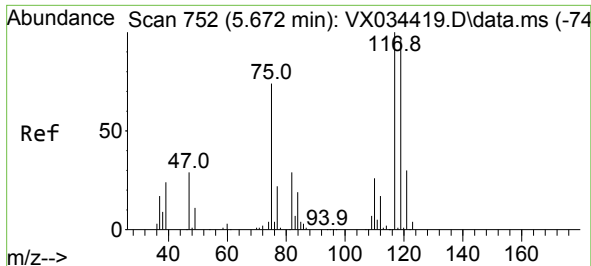
Tgt Ion:113 Resp: 148643
Ion Ratio Lower Upper
113 100
111 102.3 83.7 125.5
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.540 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion: 75 Resp: 21654
Ion Ratio Lower Upper
75 100
110 10.6 17.5 52.5#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.601 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX034434.D

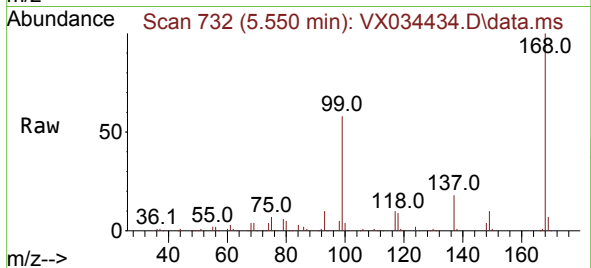
Acq: 13 Mar 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20230308



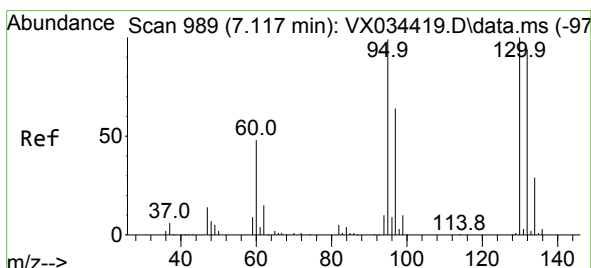
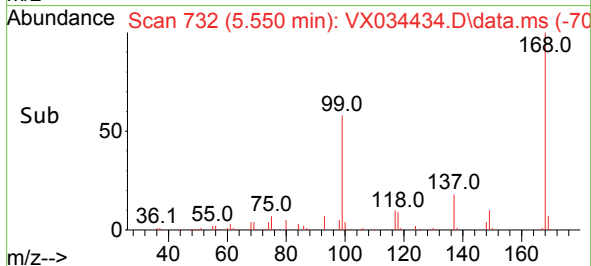
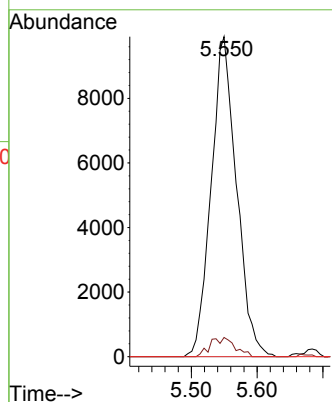
Tgt Ion:117 Resp: 26576

Ion Ratio Lower Upper

117 100

119 6.0 76.6 114.8#

121 0.0 23.8 35.6#



#44

Trichloroethene

Concen: 10.265 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX034434.D

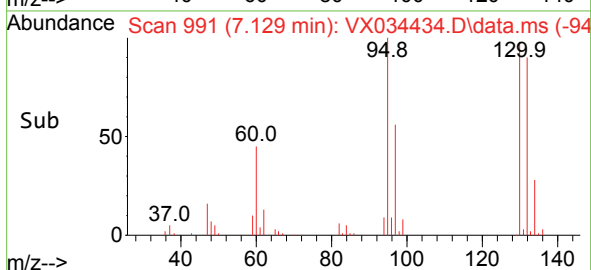
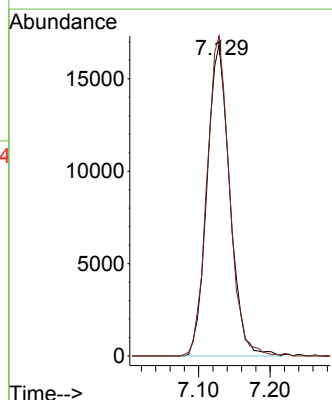
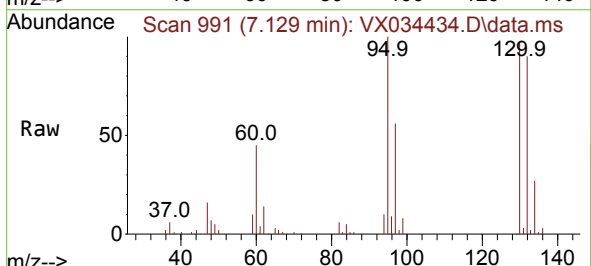
Acq: 13 Mar 2023 15:48

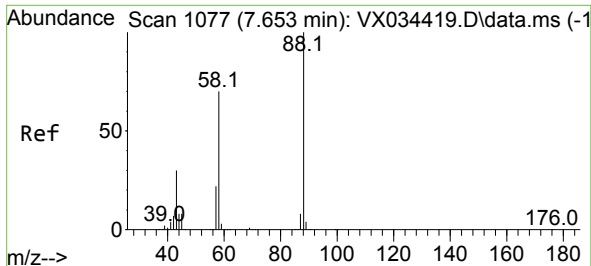
Tgt Ion:130 Resp: 37210

Ion Ratio Lower Upper

130 100

95 102.9 0.0 198.4





#49

1,4-Dioxane

Concen: 10.711 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.024 min

Lab File: VX034434.D

Acq: 13 Mar 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

RE109D1-20230308

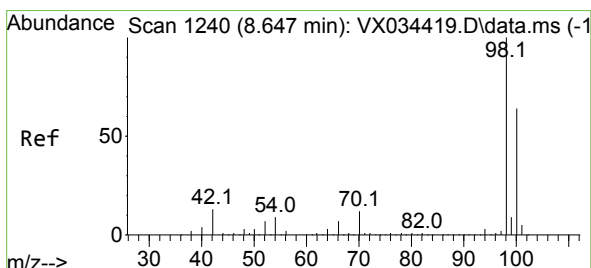
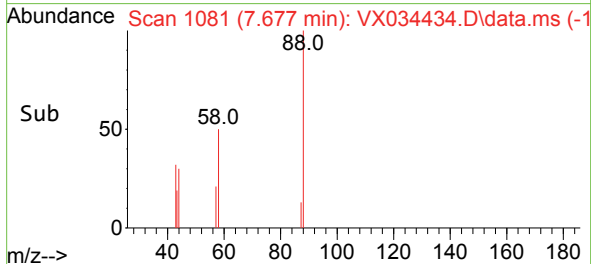
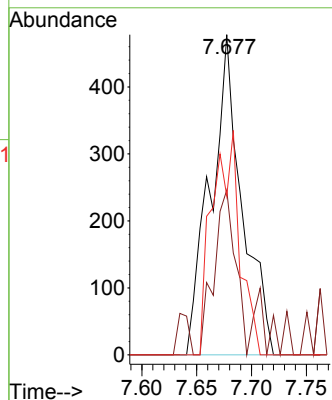
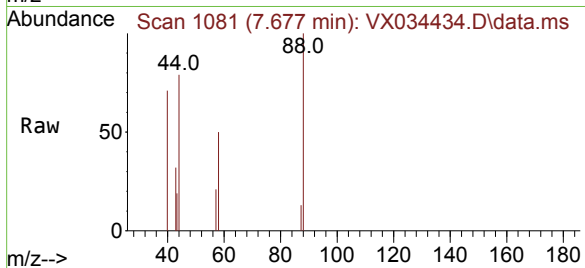
Tgt Ion: 88 Resp: 955

Ion Ratio Lower Upper

88 100

43 35.4 27.7 41.5

58 60.7 56.8 85.2



#50

Toluene-d8

Concen: 49.258 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034434.D

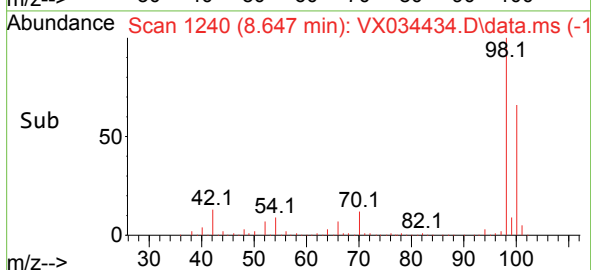
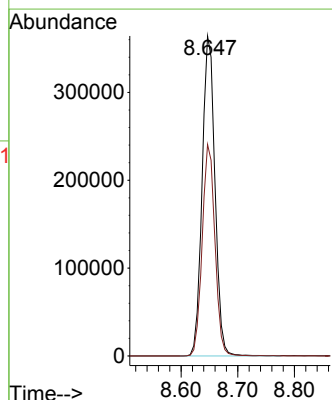
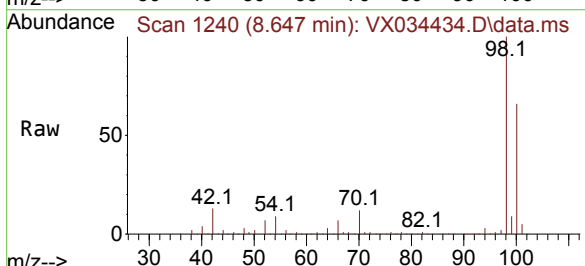
Acq: 13 Mar 2023 15:48

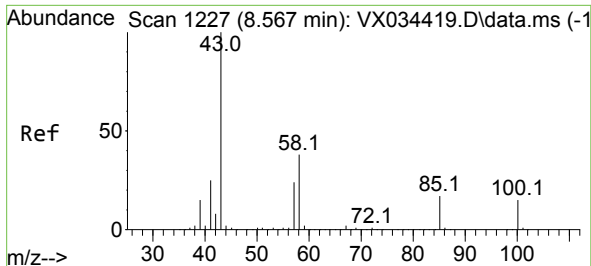
Tgt Ion: 98 Resp: 570988

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7

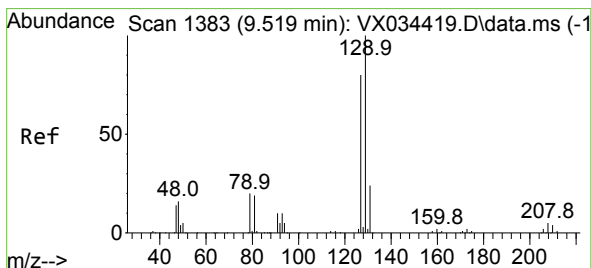
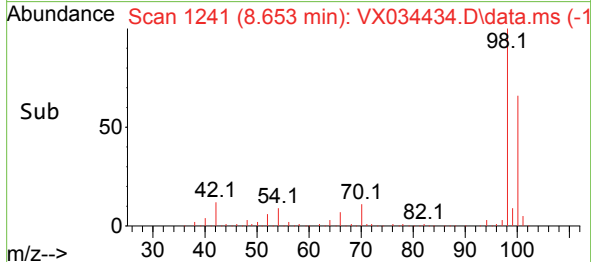
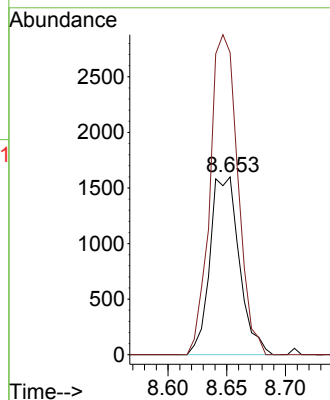
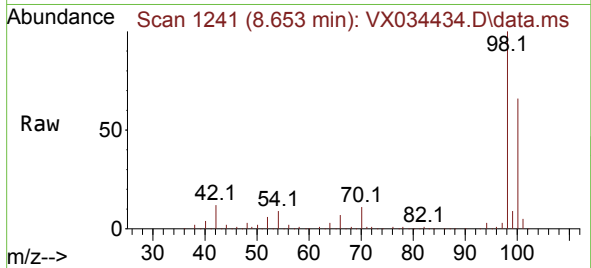




#51
4-Methyl-2-Pentanone
Concen: 0.544 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.085 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

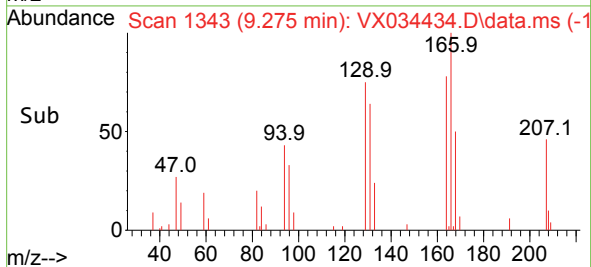
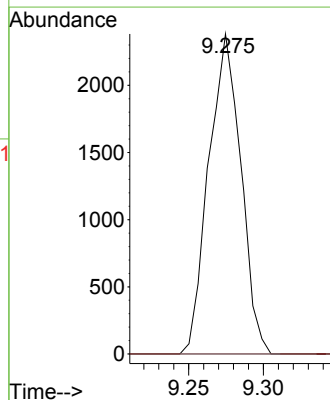
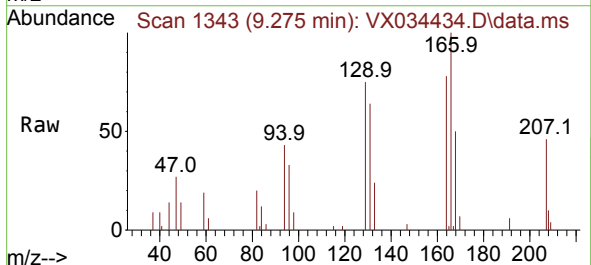
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20230308

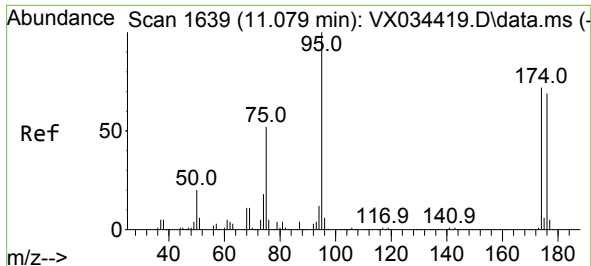
Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
58 171.1 30.6 46.0#



#60
Dibromochloromethane
Concen: 0.993 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion: 129 Resp: 3569
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#

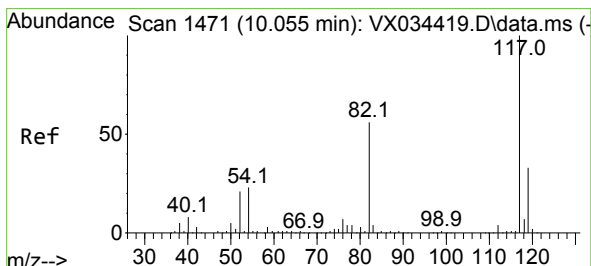
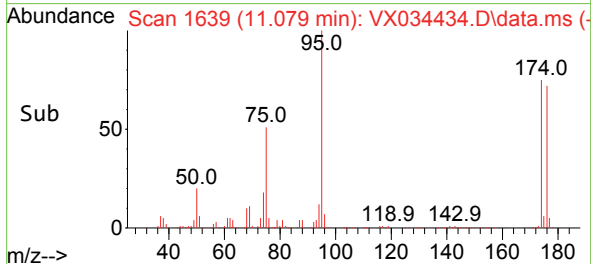
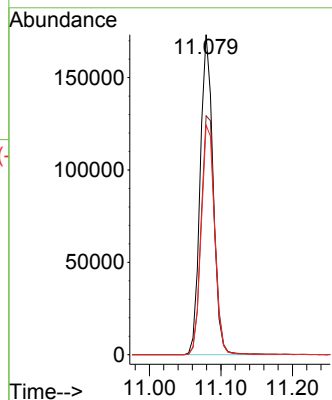
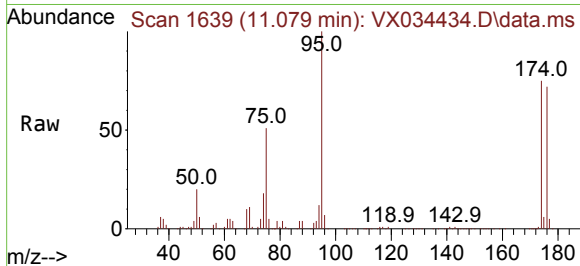




#62
4-Bromofluorobenzene
Concen: 46.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

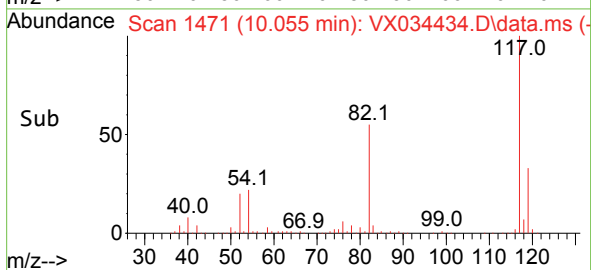
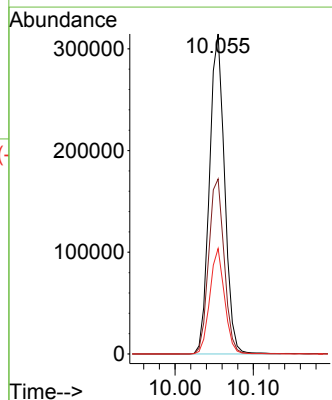
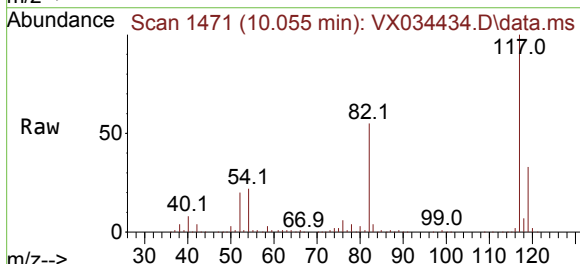
Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20230308

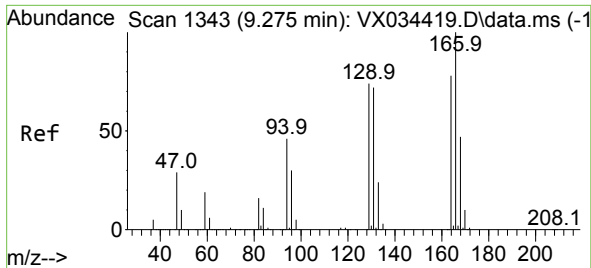
Tgt Ion: 95 Resp: 216684
Ion Ratio Lower Upper
95 100
174 78.7 0.0 147.4
176 74.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion: 117 Resp: 422227
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.9 26.0 39.0



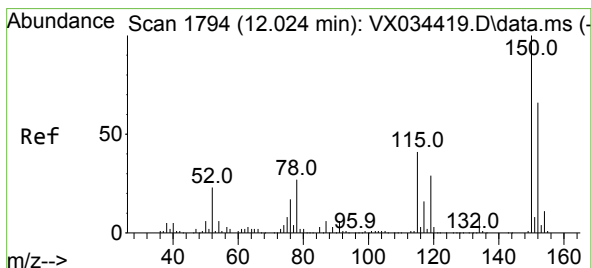
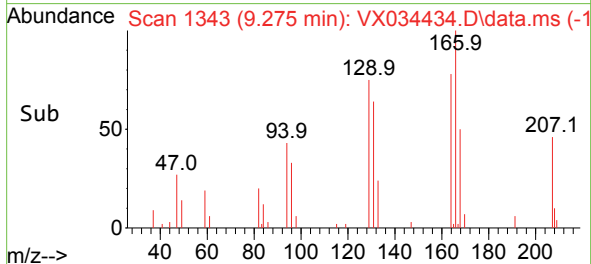
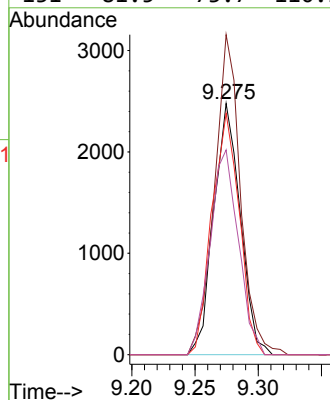
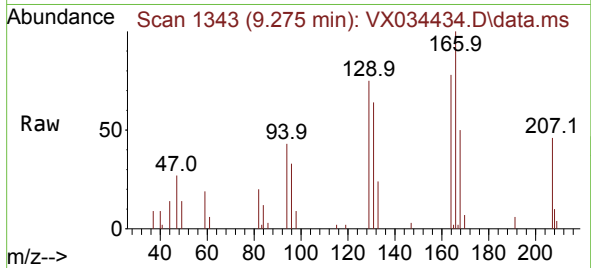


#64
Tetrachloroethene
Concen: 1.276 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Instrument :
MSVOA_X
ClientSampleId :
RE109D1-20230308

Tgt Ion:164 Resp: 3620

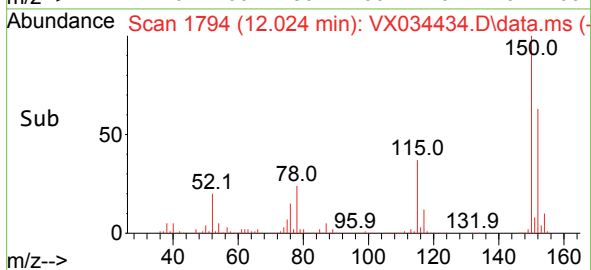
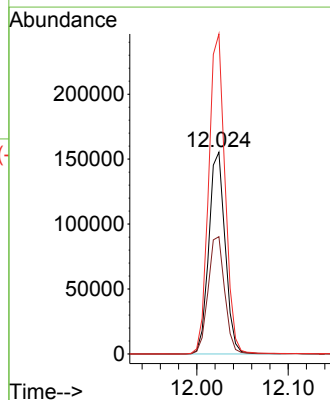
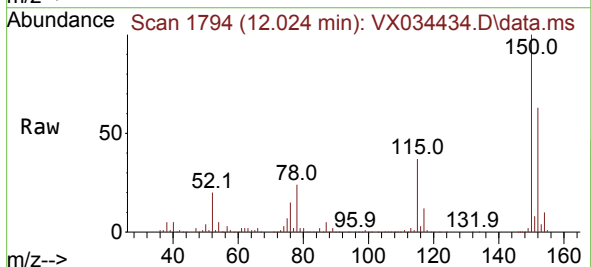
Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.7	154.1
129	96.1	75.6	113.4
131	81.5	73.7	110.5

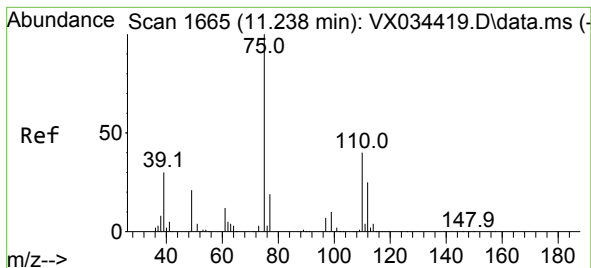


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034434.D
Acq: 13 Mar 2023 15:48

Tgt Ion:152 Resp: 193167

Ion	Ratio	Lower	Upper
152	100		
115	59.0	45.0	135.0
150	158.5	0.0	352.4





#76

1,2,3-Trichloropropane

Concen: 24.939 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034434.D

Acq: 13 Mar 2023 15:48

Instrument :

MSVOA_X

ClientSampleId :

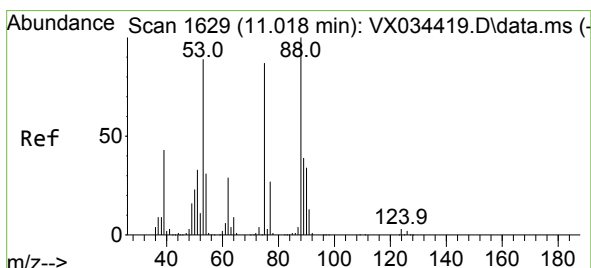
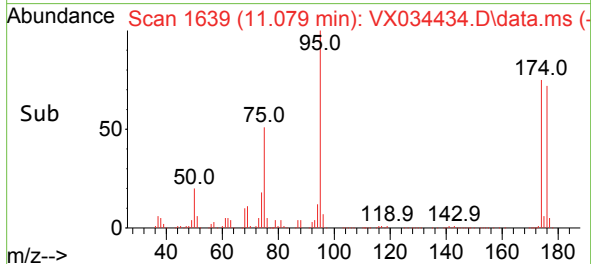
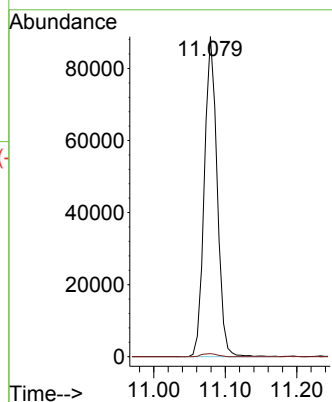
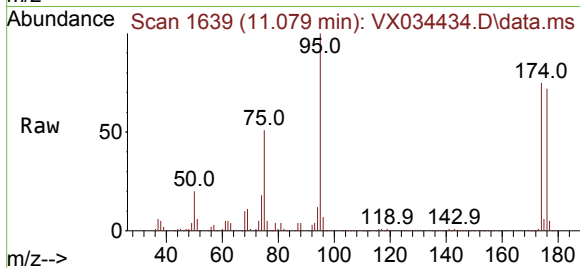
RE109D1-20230308

Tgt Ion: 75 Resp: 110614

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.468 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034434.D

Acq: 13 Mar 2023 15:48

Tgt Ion: 75 Resp: 110614

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.1 36.9 55.3#

