

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037192.D
 Acq On : 23 Aug 2023 18:42
 Operator : JC/MD
 Sample : 04051-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20230816

Quant Time: Aug 24 05:36:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

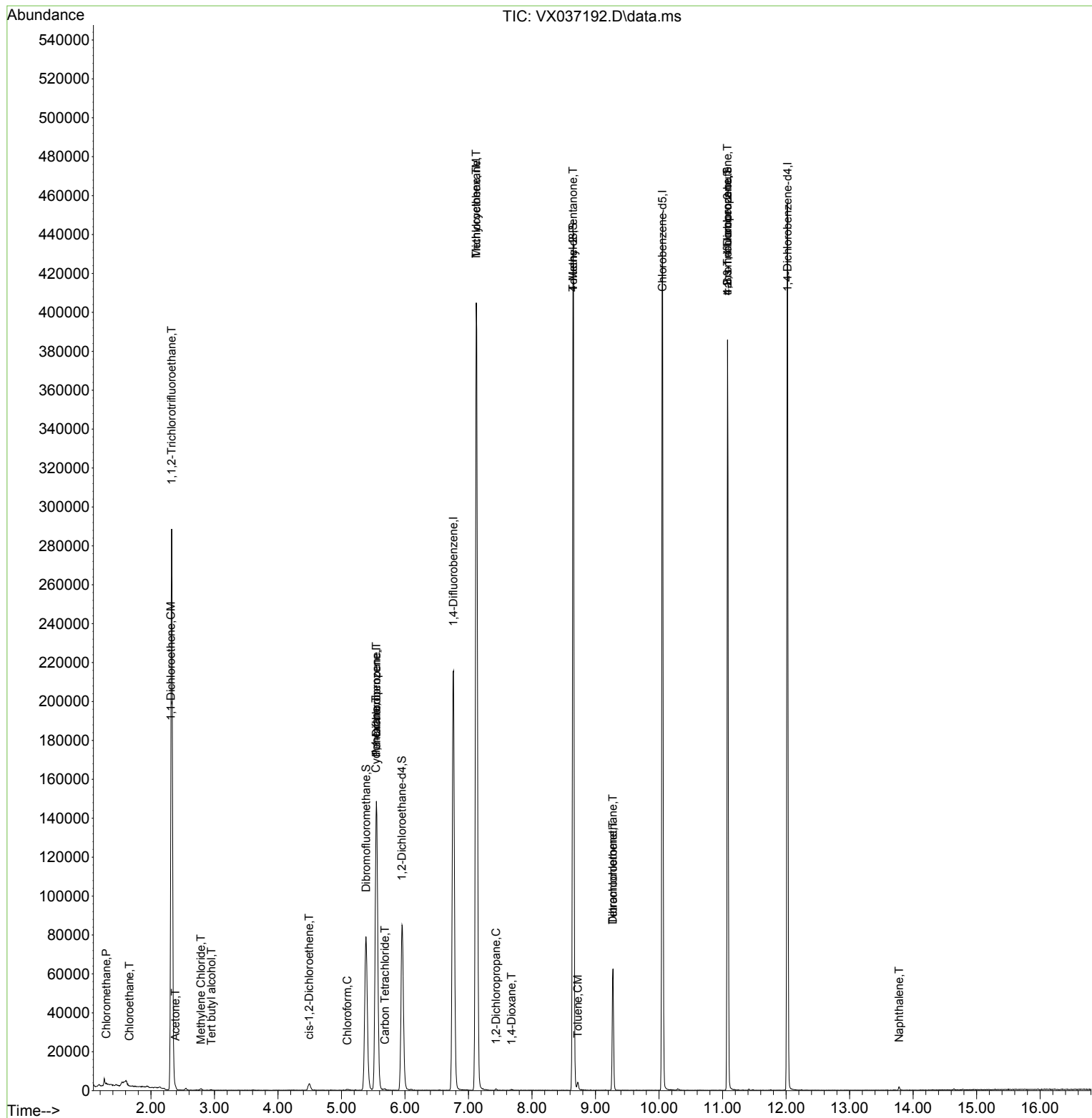
Internal Standards						
1) Pentafluorobenzene	5.550	168	137325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87438	44.165	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.340%		
35) Dibromofluoromethane	5.385	113	69465	45.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.640%		
50) Toluene-d8	8.647	98	266558	48.471	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.940%		
62) 4-Bromofluorobenzene	11.079	95	104283	48.253	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.500%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	667	0.478	ug/l #	43
6) Chloroethane	1.660	64	434	0.486	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	114805	79.086	ug/l	97
11) Tert butyl alcohol	2.953	59	157	0.338	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	1233	0.872	ug/l	82
16) Acetone	2.386	43	624	0.806	ug/l #	75
20) Methylene Chloride	2.788	84	453	0.262	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	2372	1.252	ug/l	82
30) Chloroform	5.092	83	669	0.212	ug/l	99
31) Cyclohexane	5.544	56	2826	1.269	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10945	5.081	ug/l #	50
38) Carbon Tetrachloride	5.684	117	610	0.261	ug/l	91
39) Methylcyclohexane	7.123	83	1914	0.846	ug/l #	1
44) Trichloroethene	7.123	130	161838	92.391	ug/l	99
45) 1,2-Dichloropropane	7.433	63	330	0.217	ug/l #	44
49) 1,4-Dioxane	7.677	88	365	7.956	ug/l #	88
51) 4-Methyl-2-Pentanone	8.647	43	1053	0.496	ug/l #	1
52) Toluene	8.720	92	1608	0.394	ug/l	99
60) Dibromochloromethane	9.275	129	11895	6.722	ug/l #	11
64) Tetrachloroethene	9.275	164	11769	7.800	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	52128	25.526	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52128	71.294	ug/l #	5
95) Naphthalene	13.780	128	1656	0.207	ug/l #	94

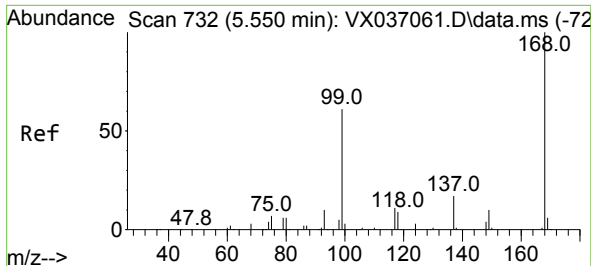
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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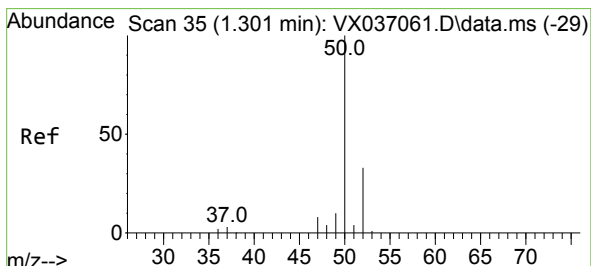
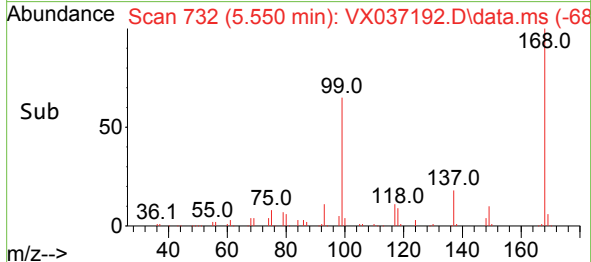
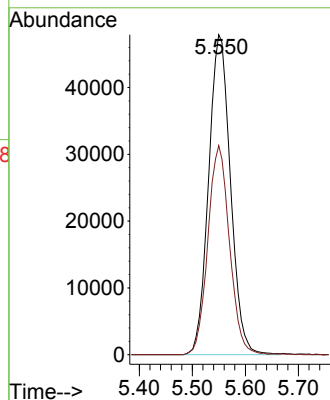
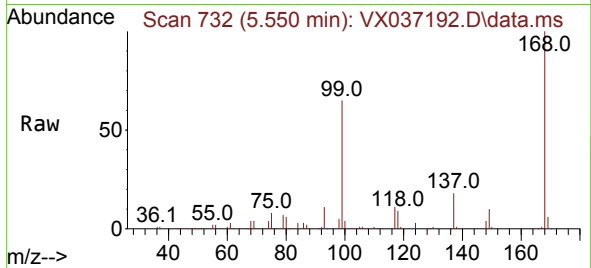




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

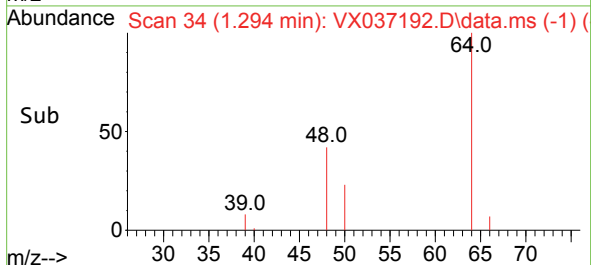
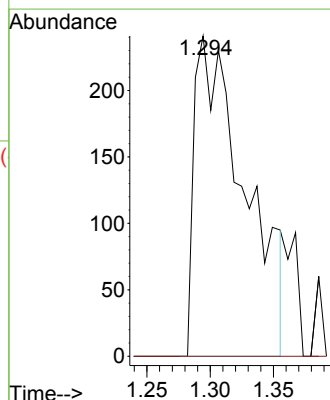
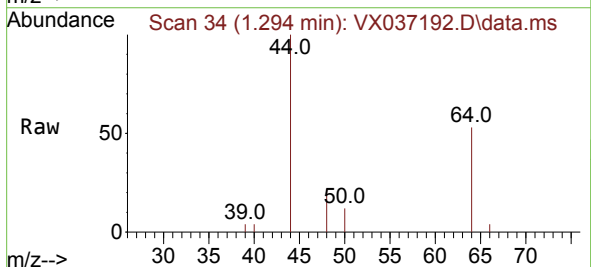
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

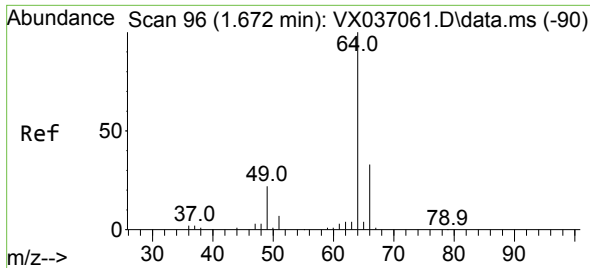
Tgt Ion:168 Resp: 137325
Ion Ratio Lower Upper
168 100
99 65.3 56.6 85.0



#3
Chloromethane
Concen: 0.478 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 50 Resp: 667
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

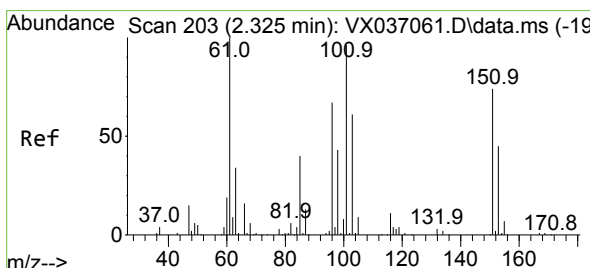
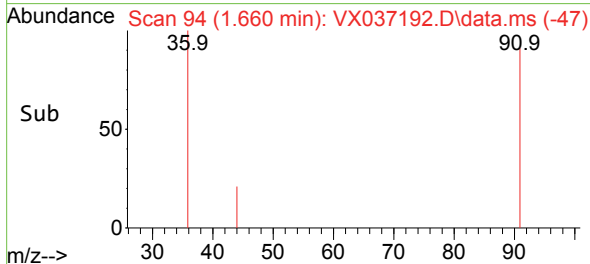
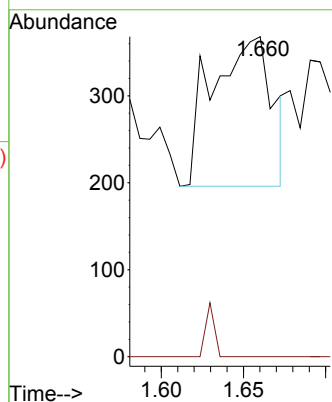
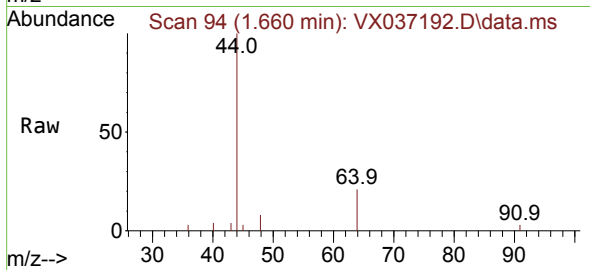




#6
Chloroethane
Concen: 0.486 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.012 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

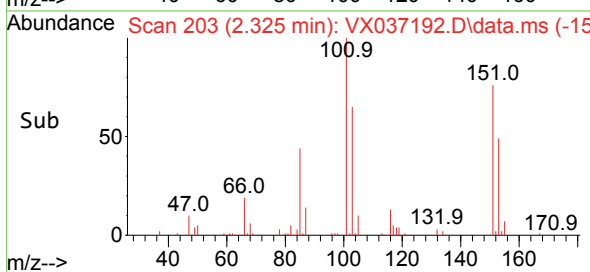
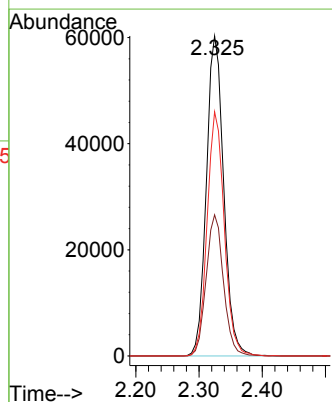
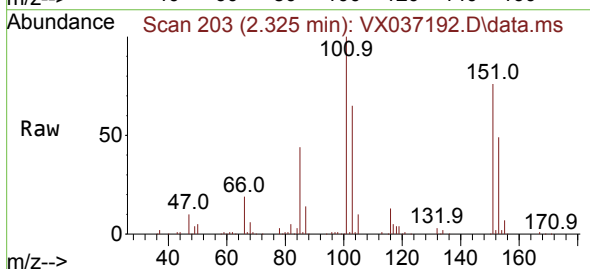
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

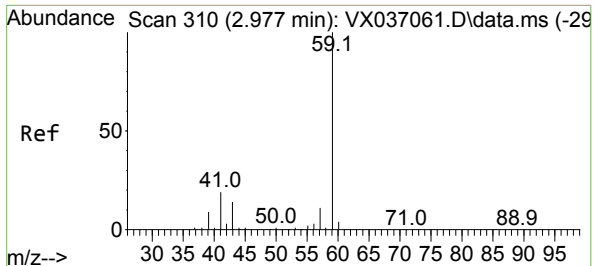
Tgt Ion: 64 Resp: 434
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 79.086 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 101 Resp: 114805
Ion Ratio Lower Upper
101 100
85 44.3 37.0 55.6
151 75.5 58.6 87.8





#11

Tert butyl alcohol

Concen: 0.338 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.024 min

Lab File: VX037192.D

Acq: 23 Aug 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

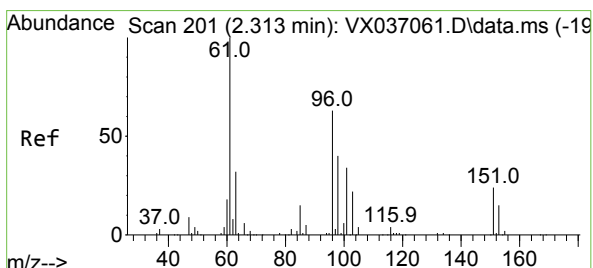
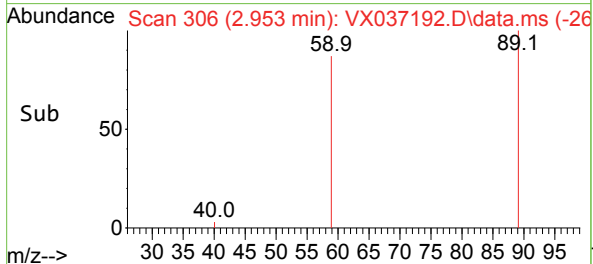
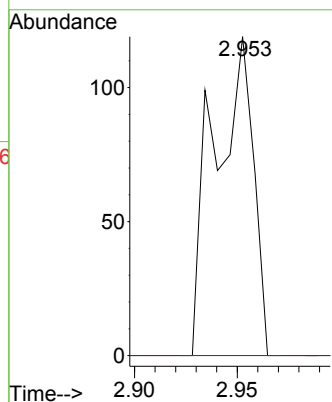
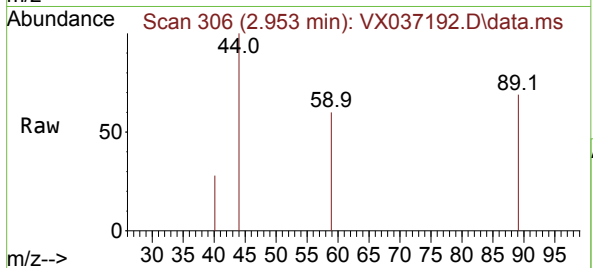
RE125D3-20230816

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 0.872 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037192.D

Acq: 23 Aug 2023 18:42

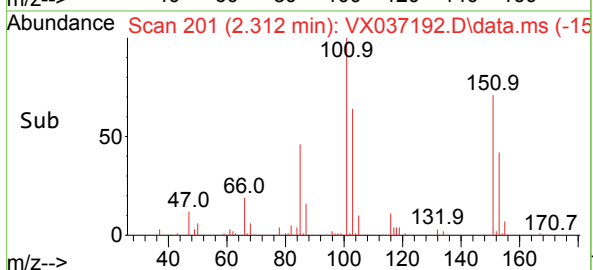
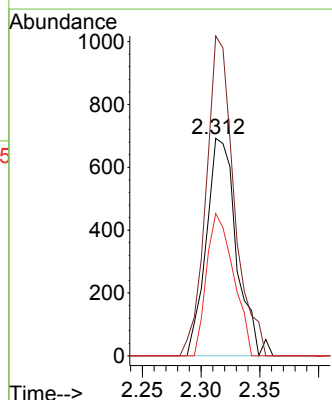
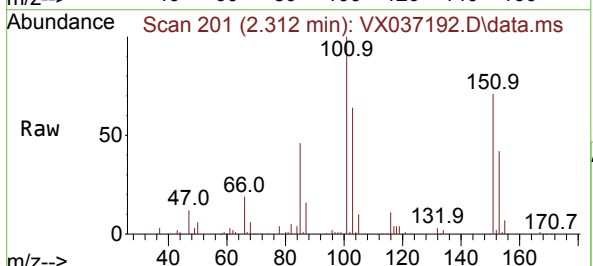
Tgt Ion: 96 Resp: 1233

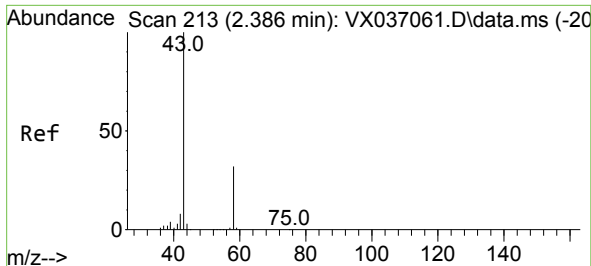
Ion Ratio Lower Upper

96 100

61 147.1 144.6 216.8

98 65.5 50.4 75.6

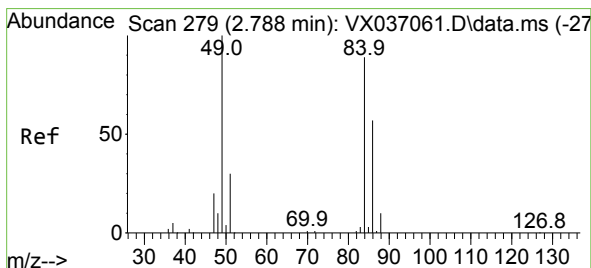
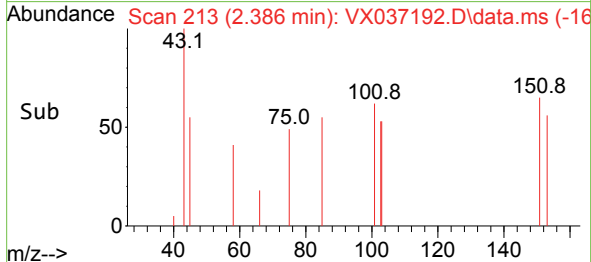
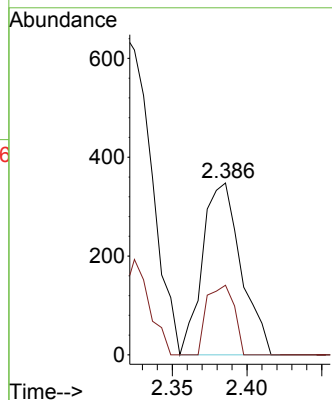
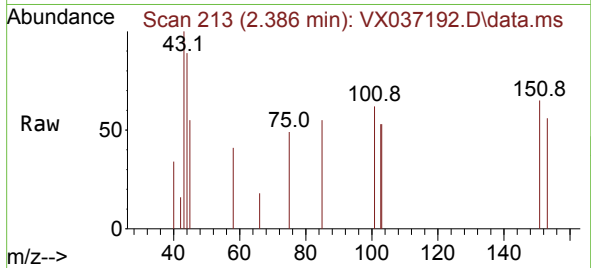




#16
Acetone
Concen: 0.806 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

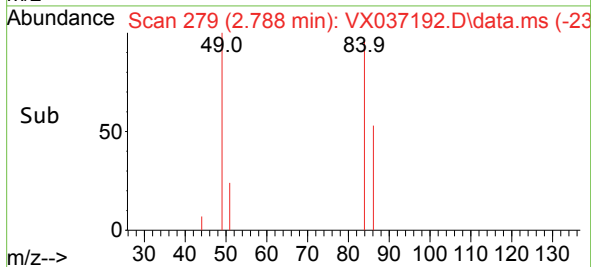
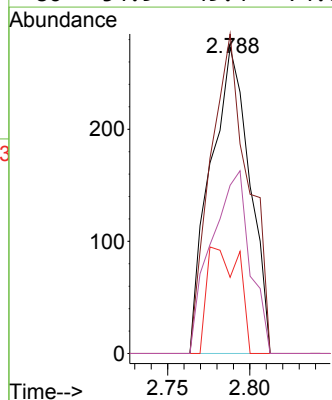
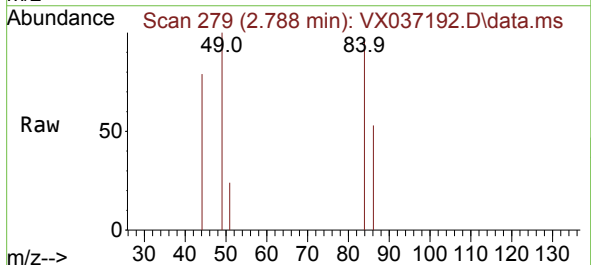
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

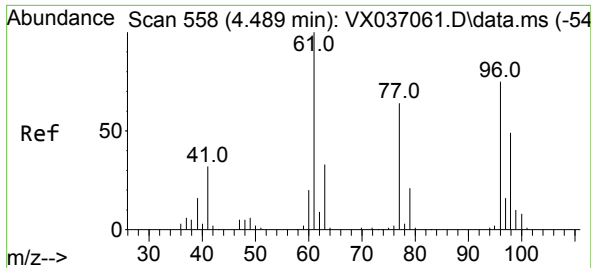
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 40.5 21.9 32.9#



#20
Methylene Chloride
Concen: 0.262 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 104.4 103.6 155.4
51 24.9 33.8 50.6#
86 54.9 49.4 74.0





#27

cis-1,2-Dichloroethene

Concen: 1.252 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037192.D

Acq: 23 Aug 2023 18:42

Instrument :

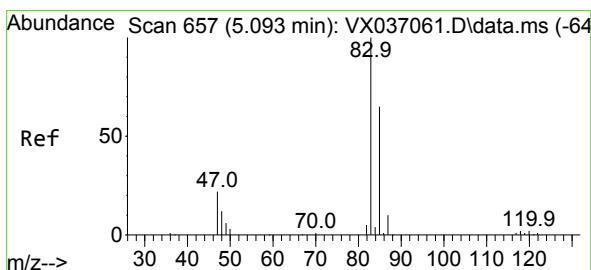
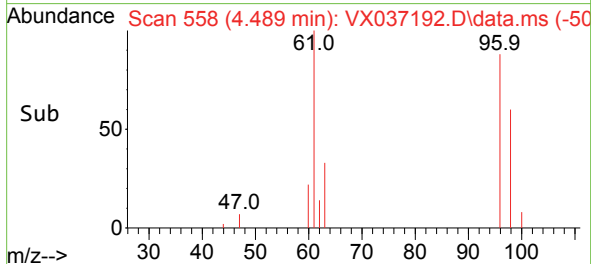
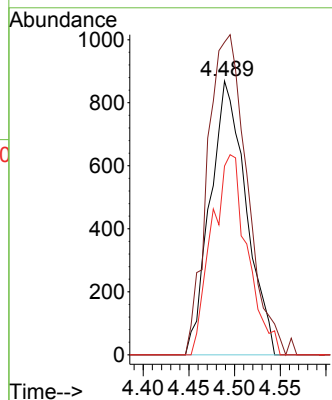
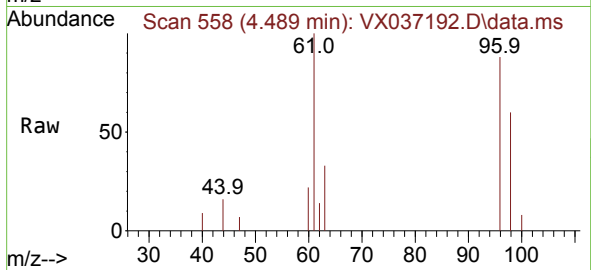
MSVOA_X

ClientSampleId :

RE125D3-20230816

Tgt Ion: 96 Resp: 2372

Ion	Ratio	Lower	Upper
96	100		
61	129.4	0.0	312.2
98	72.8	0.0	129.0



#30

Chloroform

Concen: 0.212 ug/l

RT: 5.092 min Scan# 657

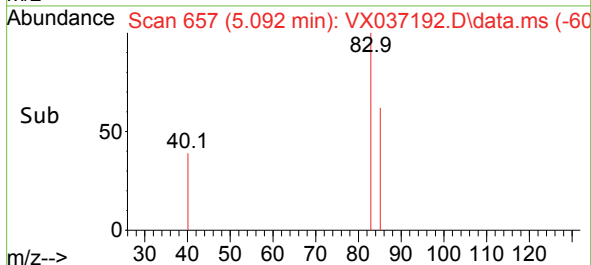
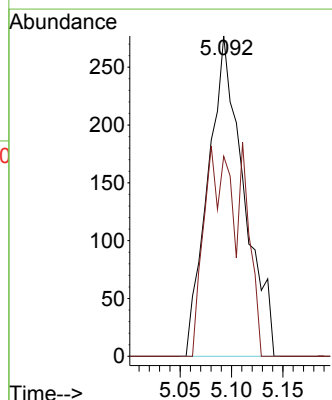
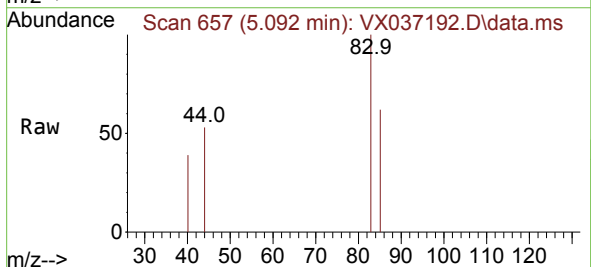
Delta R.T. -0.000 min

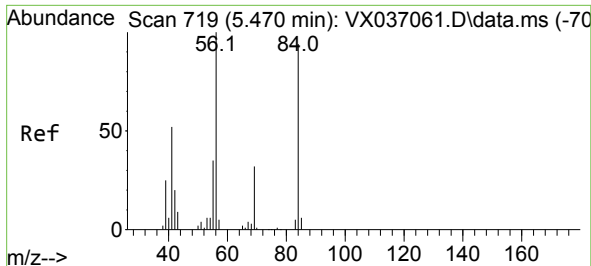
Lab File: VX037192.D

Acq: 23 Aug 2023 18:42

Tgt Ion: 83 Resp: 669

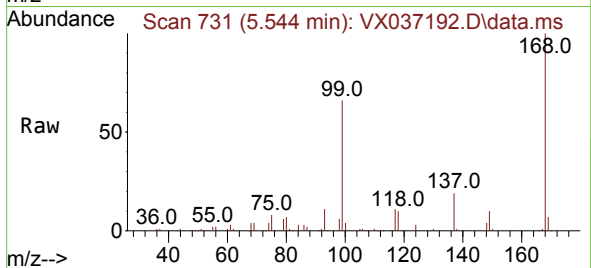
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.3	75.5



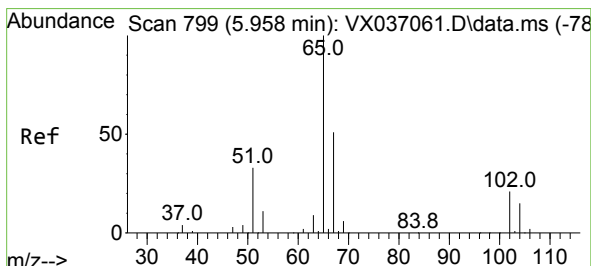
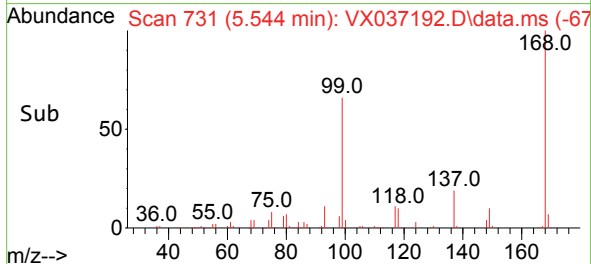
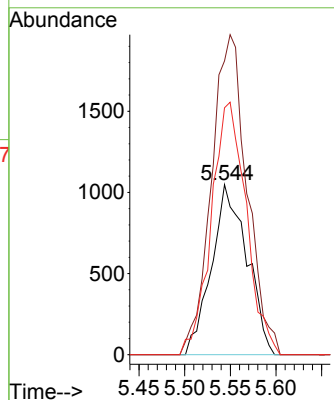


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

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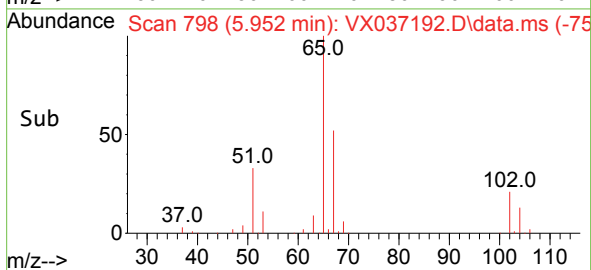
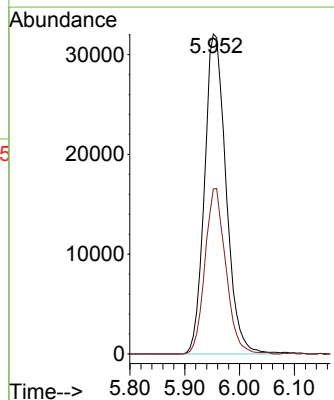
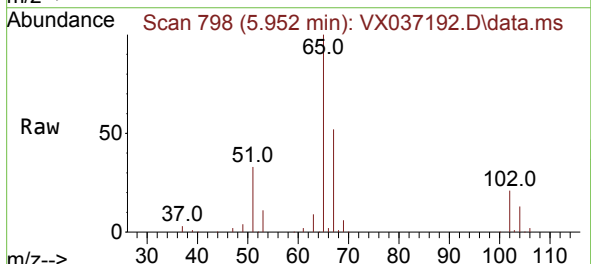


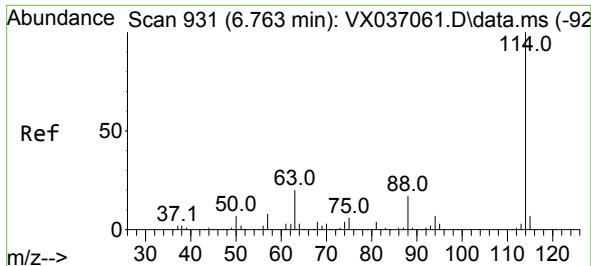
Tgt Ion: 56 Resp: 2826
Ion Ratio Lower Upper
56 100
69 172.7 23.4 35.2#
84 145.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.165 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 65 Resp: 87438
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

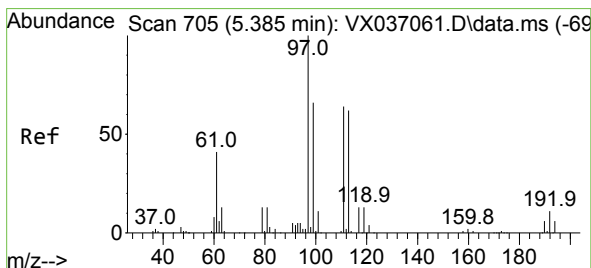
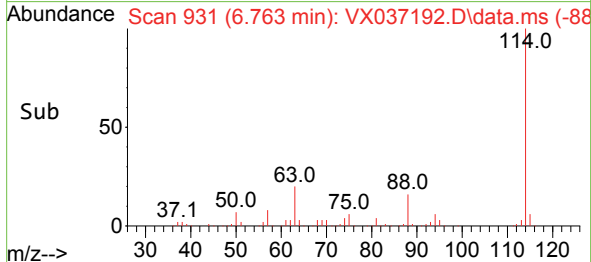
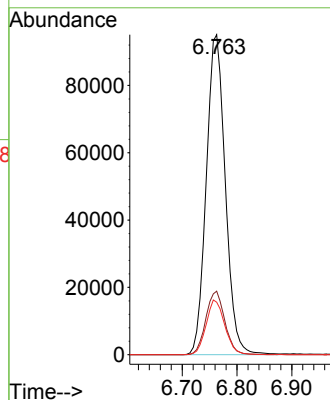
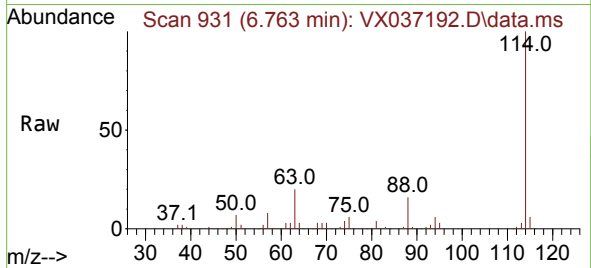




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

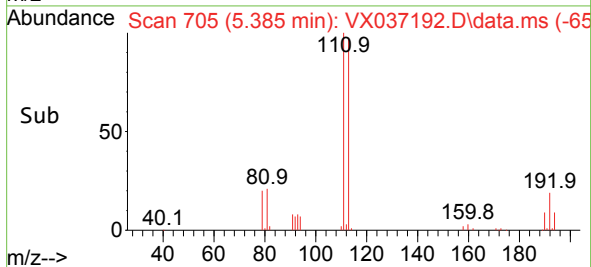
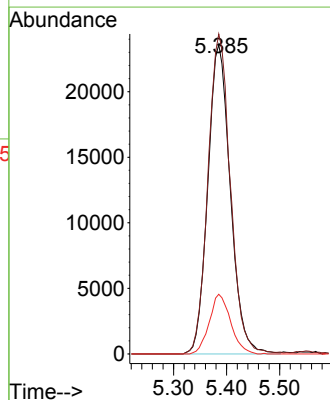
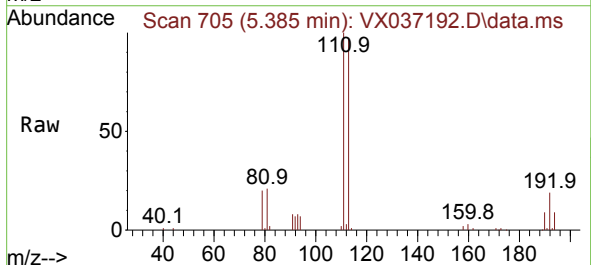
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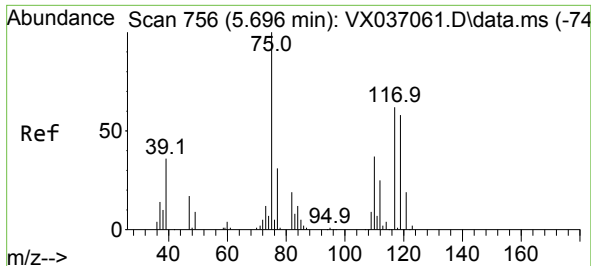
Tgt Ion:114 Resp: 228919
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.819 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion:113 Resp: 69465
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.4 13.3 19.9

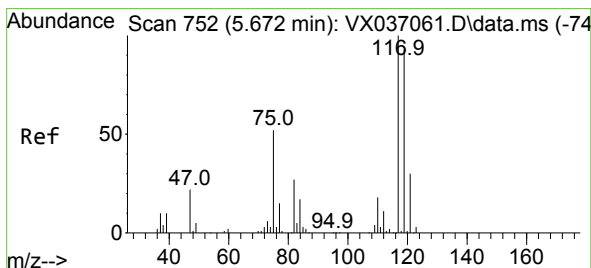
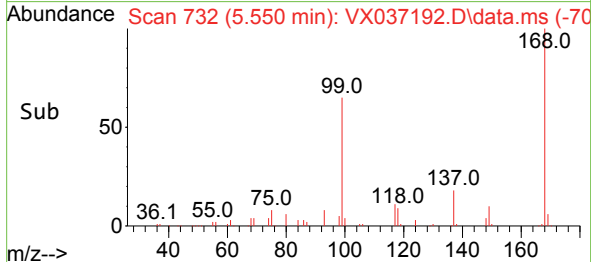
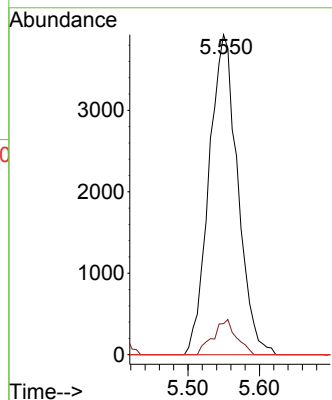
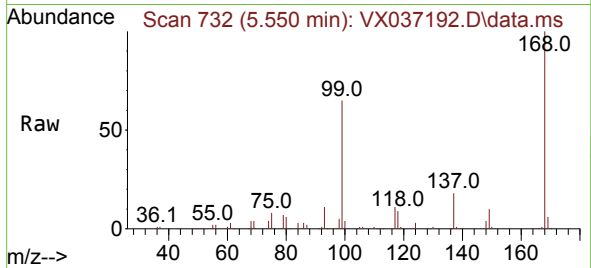




#36
1,1-Dichloropropene
Concen: 5.081 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

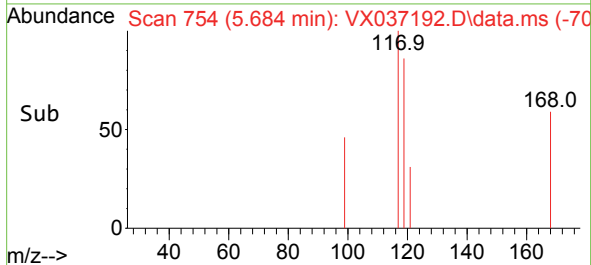
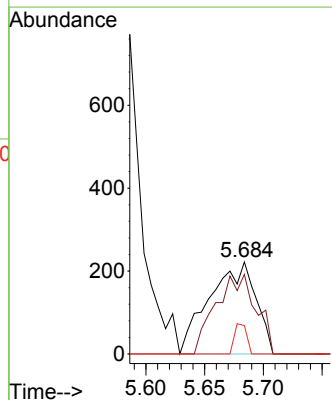
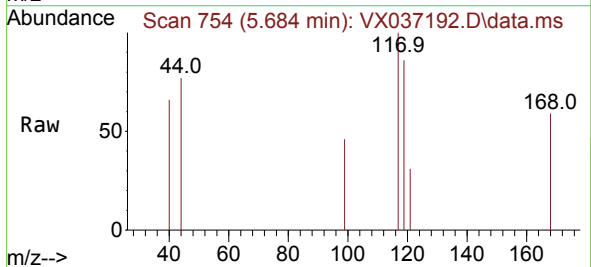
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

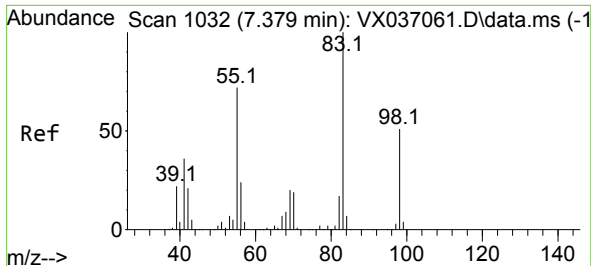
Tgt Ion: 75 Resp: 10945
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 0.261 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.012 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 117 Resp: 610
Ion Ratio Lower Upper
117 100
119 86.5 78.2 117.2
121 31.1 24.4 36.6

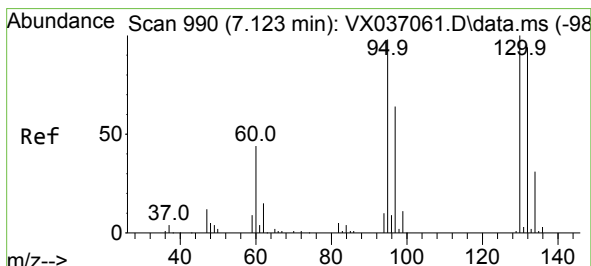
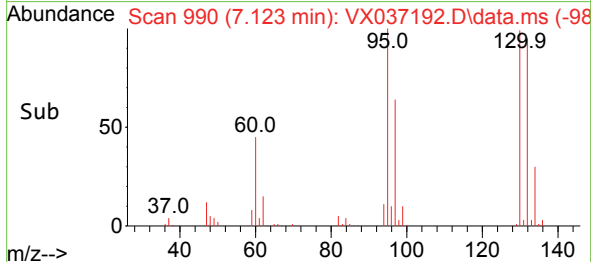
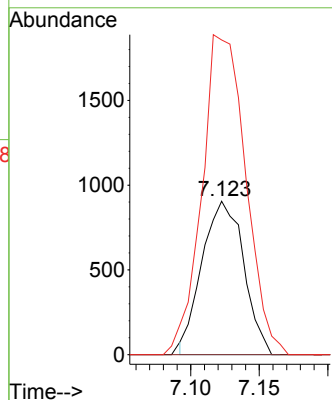
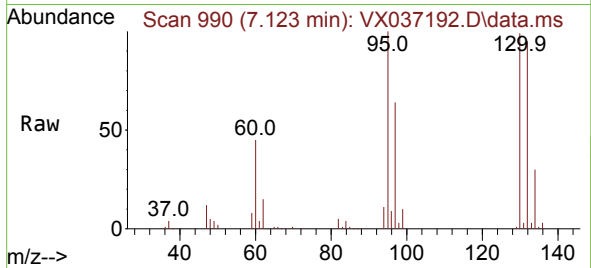




#39
Methylcyclohexane
Concen: 0.846 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

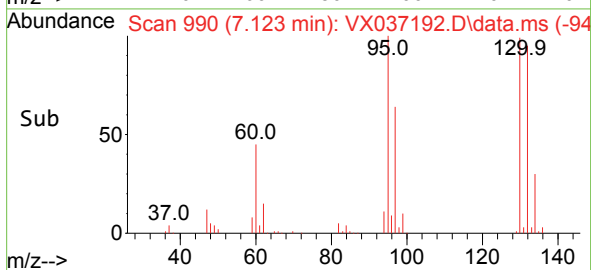
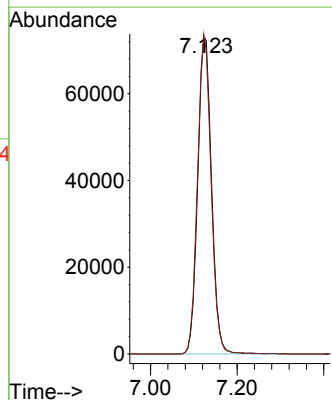
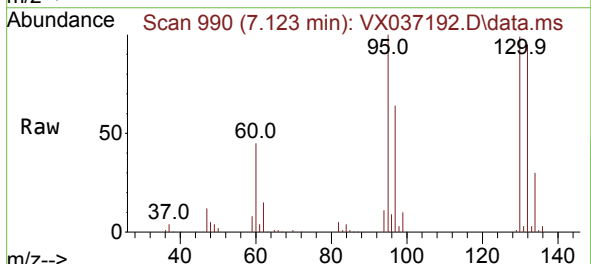
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

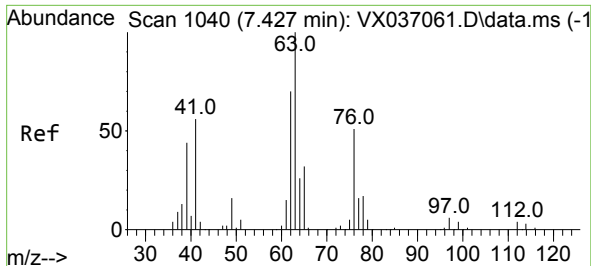
Tgt Ion: 83 Resp: 1914
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 198.5 36.7 55.1#



#44
Trichloroethene
Concen: 92.391 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion:130 Resp: 161838
Ion Ratio Lower Upper
130 100
95 101.2 0.0 204.4

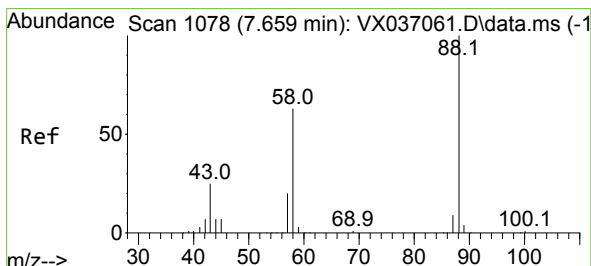
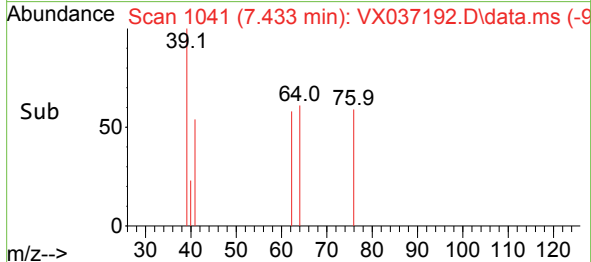
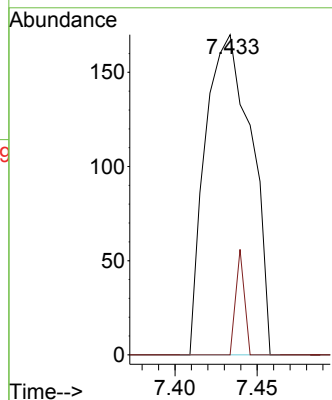
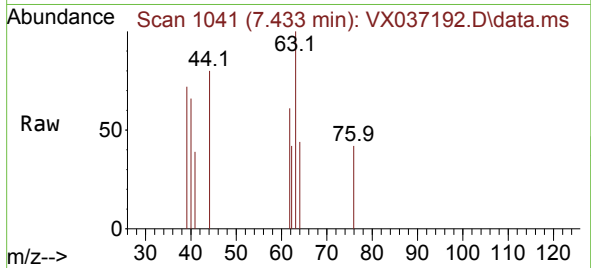




#45
1,2-Dichloropropane
Concen: 0.217 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

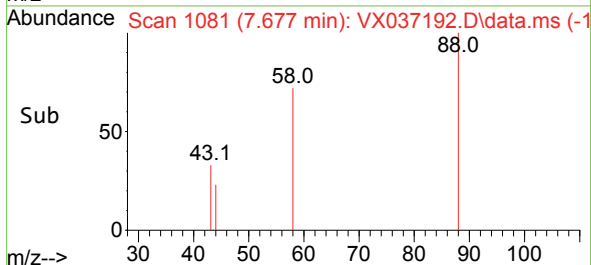
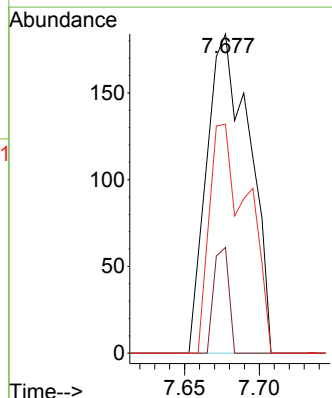
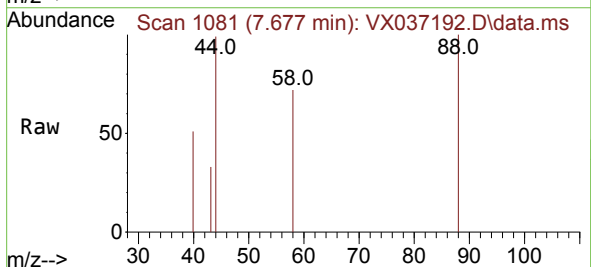
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

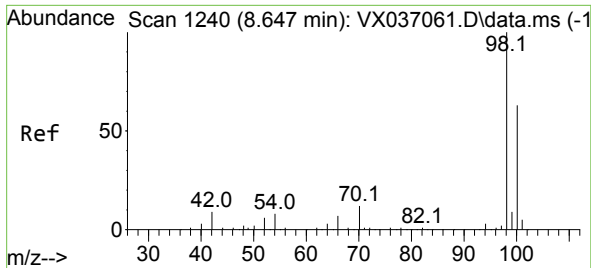
Tgt Ion: 63 Resp: 330
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#49
1,4-Dioxane
Concen: 7.956 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 88 Resp: 365
Ion Ratio Lower Upper
88 100
43 11.8 0.0 0.0#
58 64.7 60.1 90.1

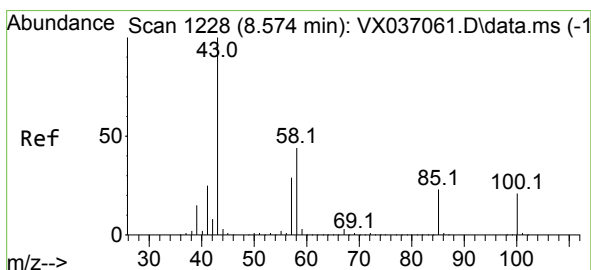
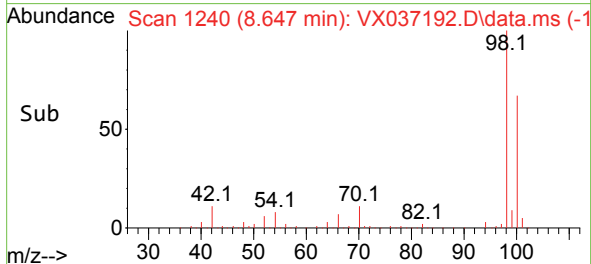
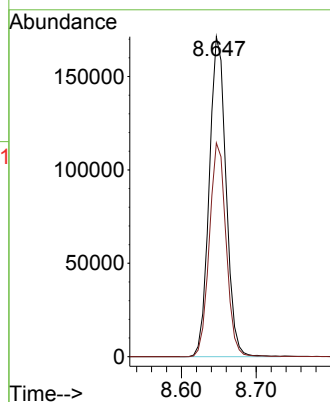
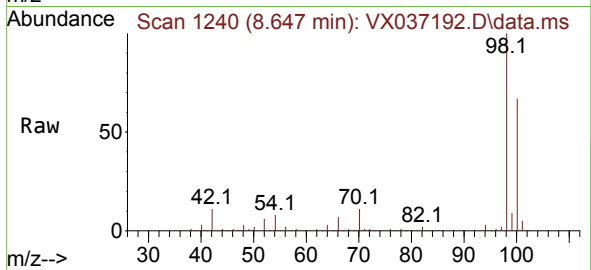




#50
Toluene-d8
Concen: 48.471 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

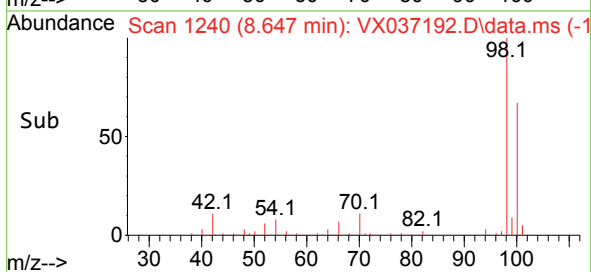
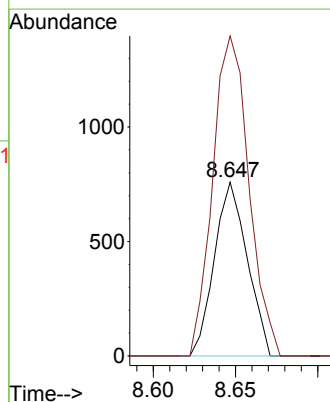
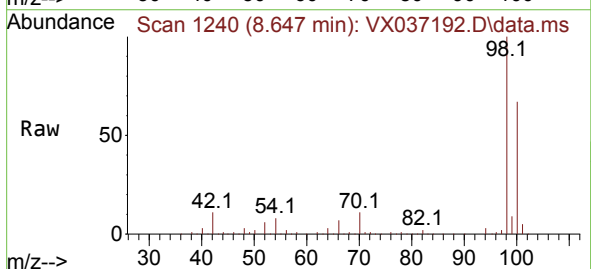
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

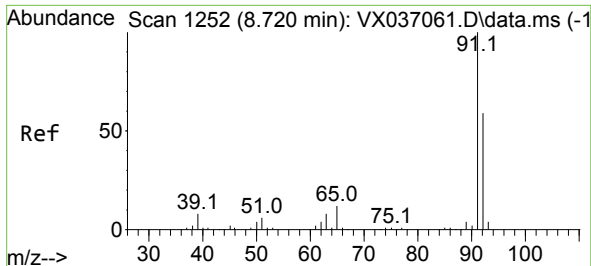
Tgt Ion: 98 Resp: 266558
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.496 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
58 202.9 30.4 45.6#

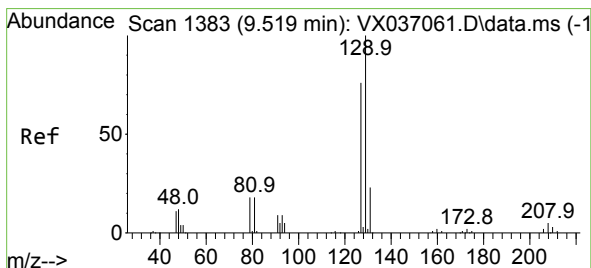
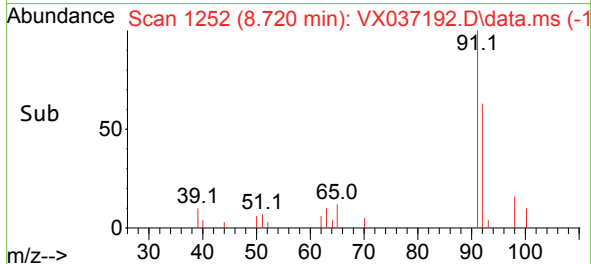
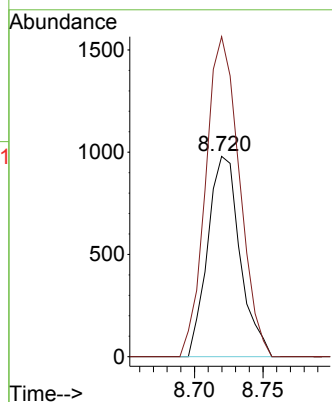
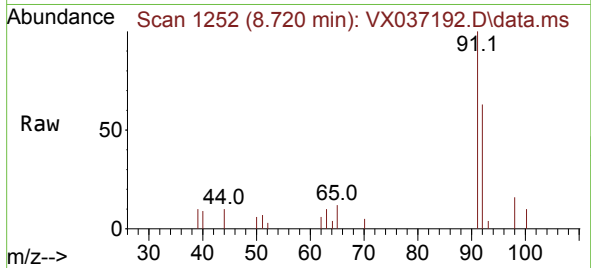




#52
Toluene
Concen: 0.394 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

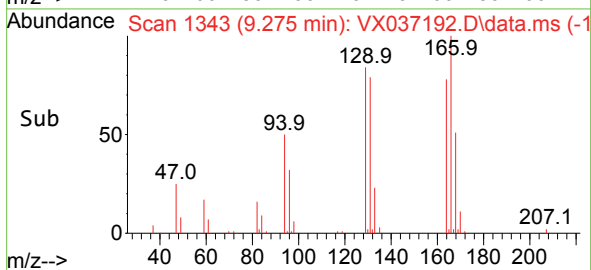
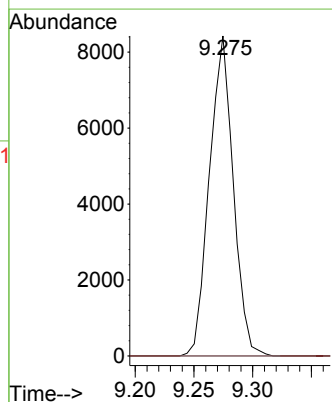
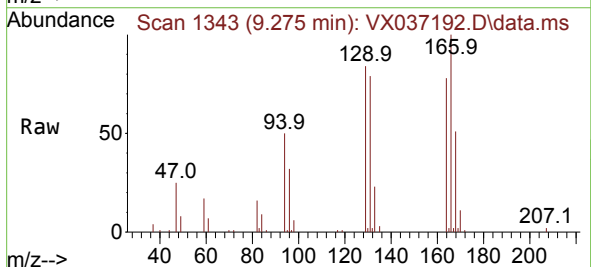
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

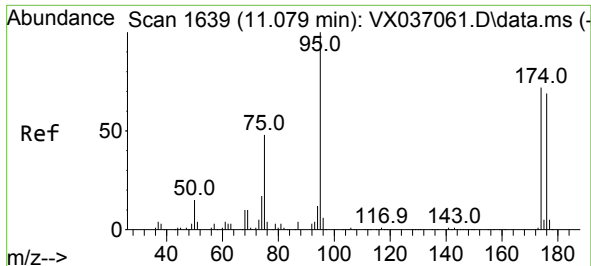
Tgt Ion: 92 Resp: 1608
Ion Ratio Lower Upper
92 100
91 166.9 134.2 201.2



#60
Dibromochloromethane
Concen: 6.722 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 129 Resp: 11895
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

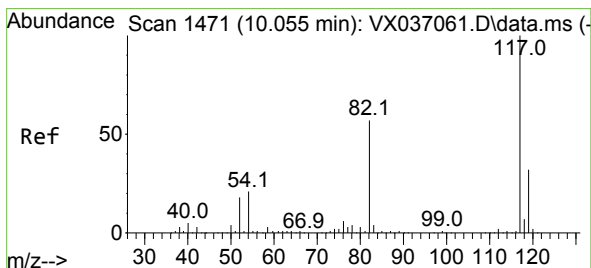
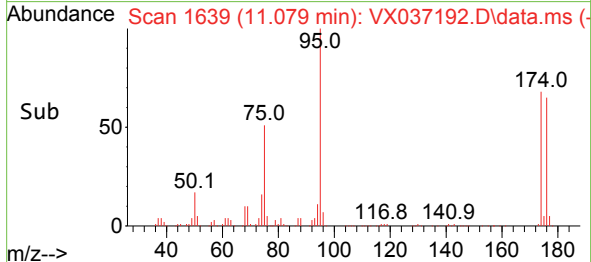
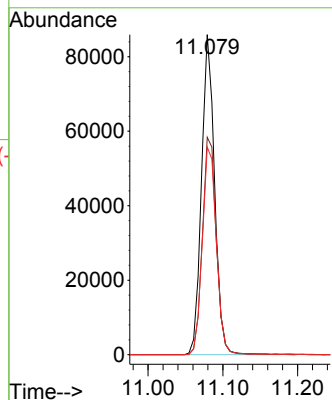
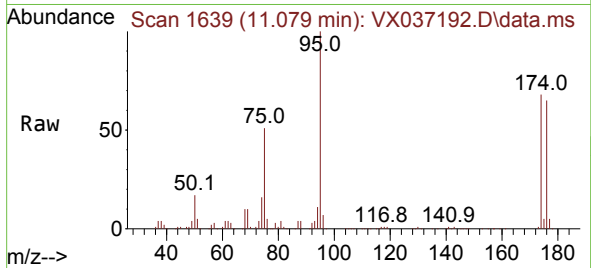




#62
4-Bromofluorobenzene
Concen: 48.253 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

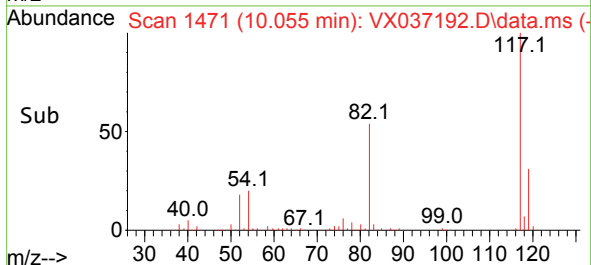
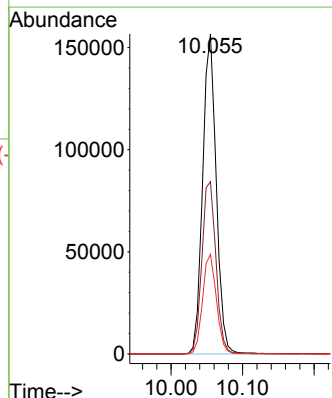
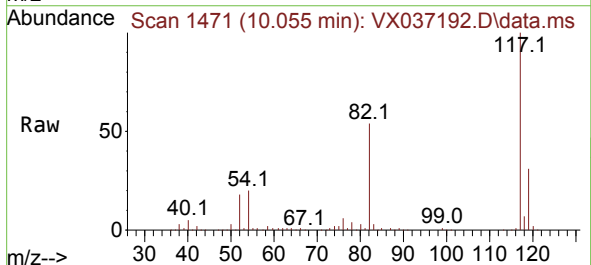
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

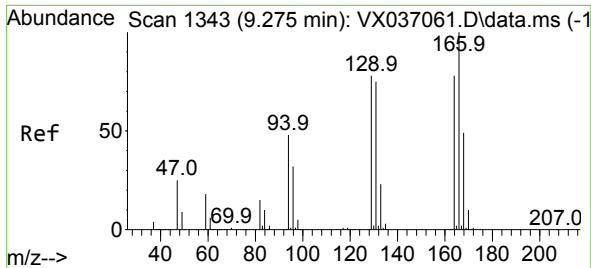
Tgt Ion: 95 Resp: 104283
Ion Ratio Lower Upper
95 100
174 72.2 0.0 135.6
176 70.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion: 117 Resp: 206841
Ion Ratio Lower Upper
117 100
82 53.9 46.2 69.4
119 31.1 25.5 38.3



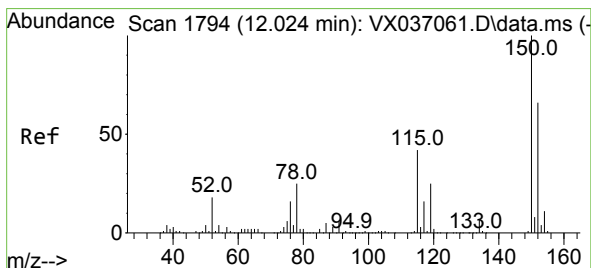
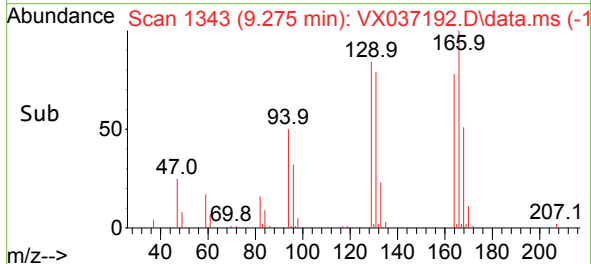
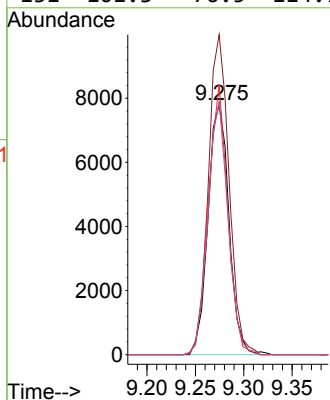
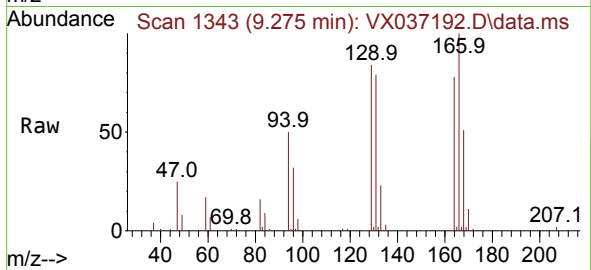


#64
Tetrachloroethene
Concen: 7.800 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816

Tgt Ion:164 Resp: 11769

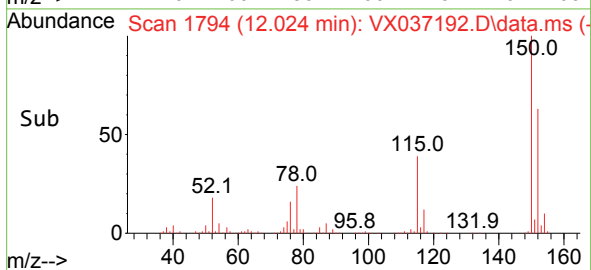
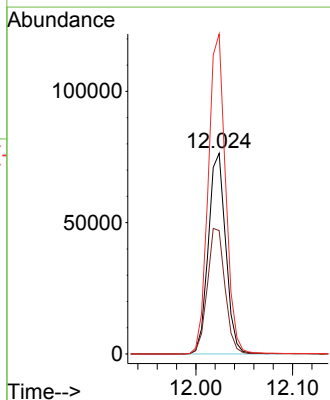
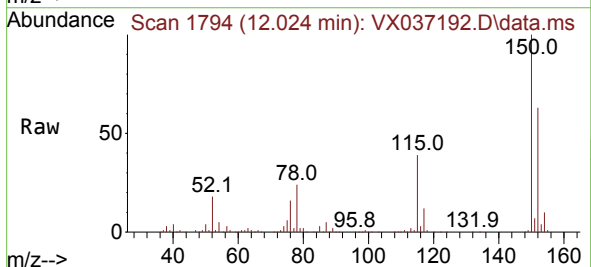
Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.7	154.1
129	108.1	80.4	120.6
131	101.3	76.5	114.7

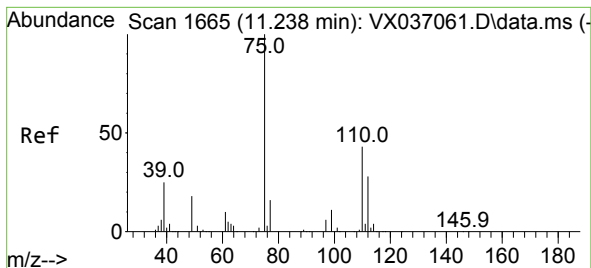


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Tgt Ion:152 Resp: 95892

Ion	Ratio	Lower	Upper
152	100		
115	63.8	43.3	129.9
150	159.3	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 25.526 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX037192.D

Acq: 23 Aug 2023 18:42

Instrument :

MSVOA_X

ClientSampleId :

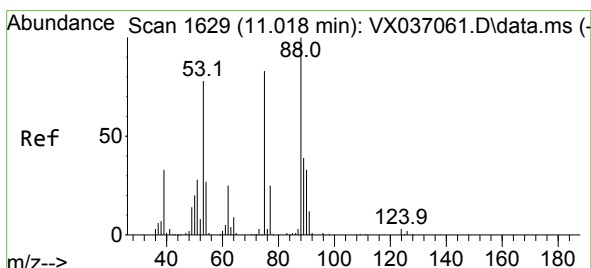
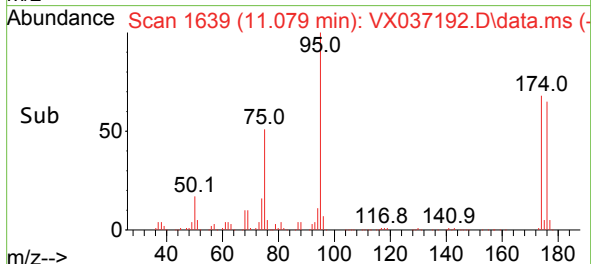
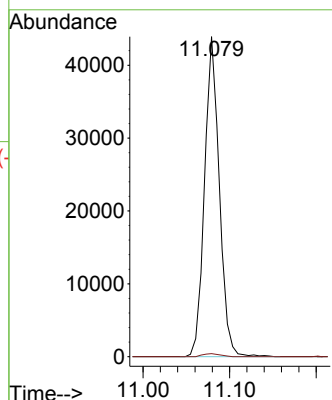
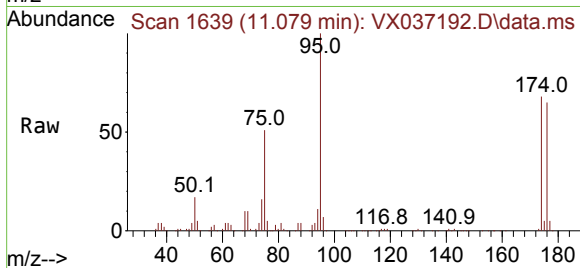
RE125D3-20230816

Tgt Ion: 75 Resp: 52128

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.294 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037192.D

Acq: 23 Aug 2023 18:42

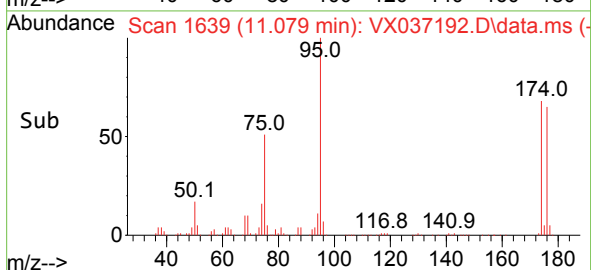
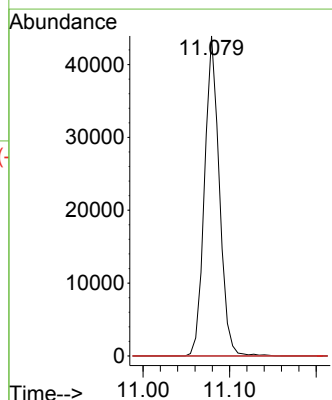
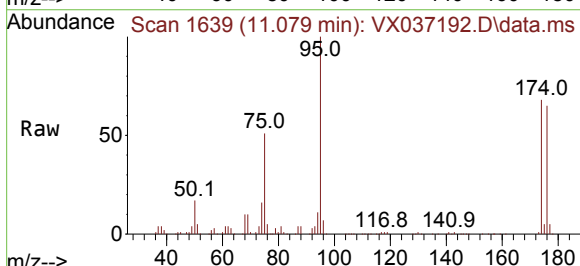
Tgt Ion: 75 Resp: 52128

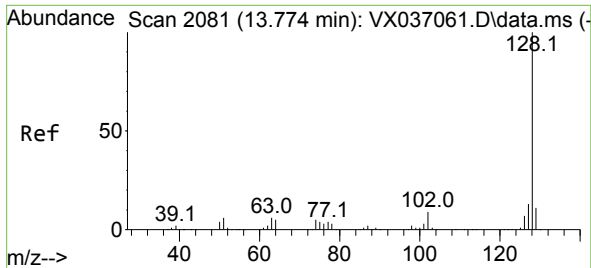
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

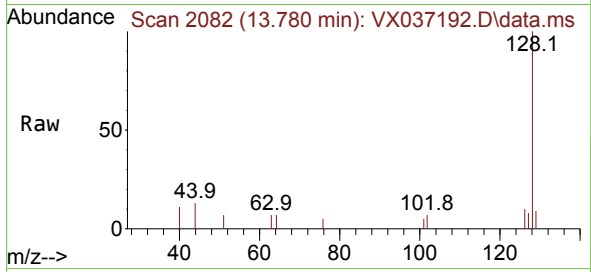
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.207 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037192.D
Acq: 23 Aug 2023 18:42

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20230816



Tgt Ion:	128	Resp:	1656
Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.3	15.5#
129	10.1	8.8	13.2

