

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037235.D
 Acq On : 24 Aug 2023 23:59
 Operator : JC/MD
 Sample : 04051-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20230816

Quant Time: Aug 25 06:29:25 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)

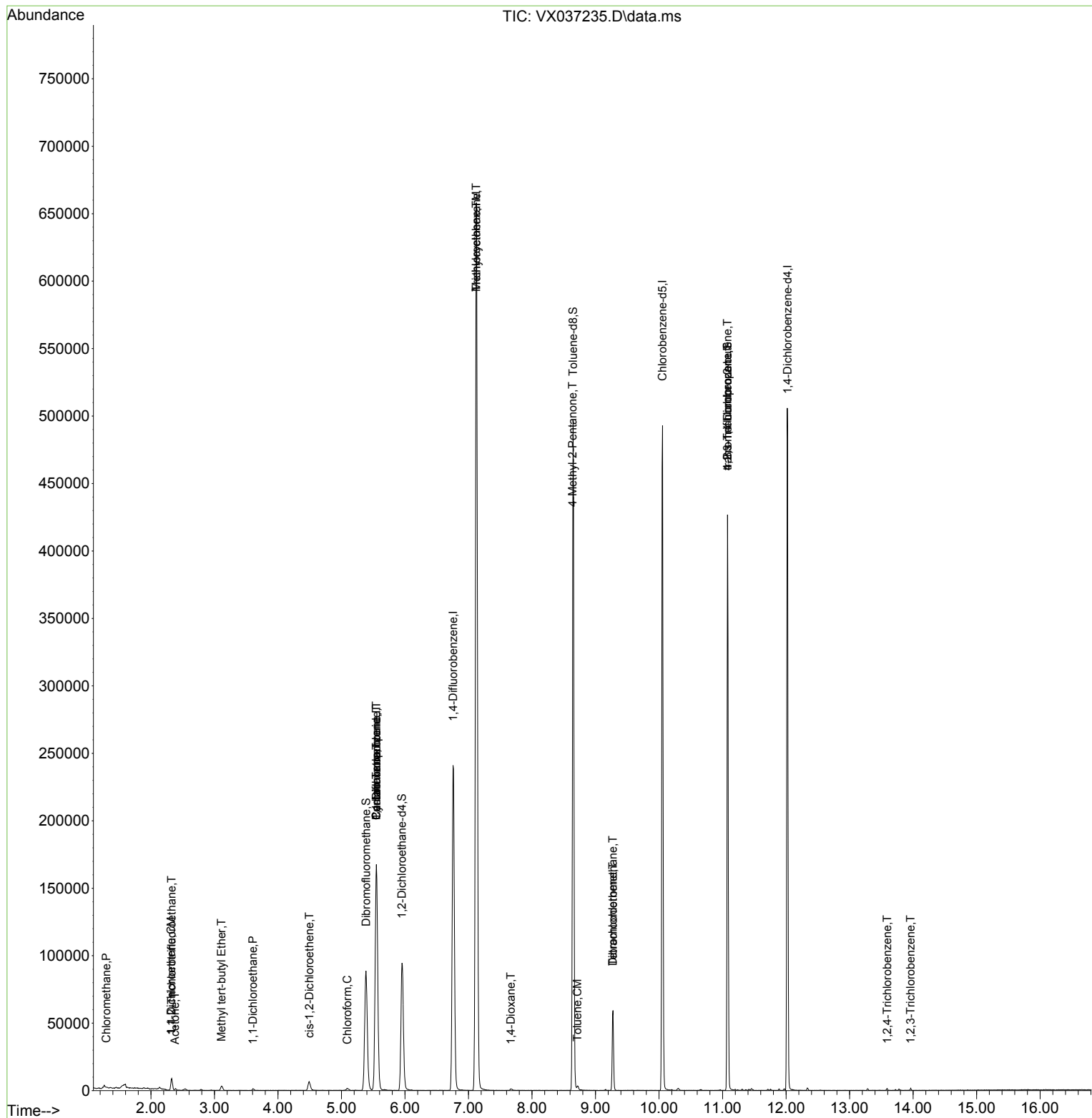
Internal Standards						
1) Pentafluorobenzene	5.550	168	155180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255143	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96945	43.333	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.660%
35) Dibromofluoromethane	5.385	113	78883	46.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.647	98	300841	49.082	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.079	95	114532	47.548	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	350	0.222	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.325	101	2908	1.773	ug/l	97
12) 1,1-Dichloroethene	2.319	96	921	0.577	ug/l #	79
16) Acetone	2.380	43	661	0.755	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	3884	0.641	ug/l	96
24) 1,1-Dichloroethane	3.605	63	1447	0.455	ug/l #	84
27) cis-1,2-Dichloroethene	4.495	96	4550	2.125	ug/l	79
30) Chloroform	5.093	83	1860	0.521	ug/l	97
31) Cyclohexane	5.550	56	3269	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12405	5.167	ug/l #	50
38) Carbon Tetrachloride	5.550	117	16571	6.354	ug/l #	15
39) Methylcyclohexane	7.123	83	3152	1.250	ug/l #	1
44) Trichloroethene	7.123	130	258982	132.653	ug/l	97
49) 1,4-Dioxane	7.665	88	1143	22.352	ug/l #	94
51) 4-Methyl-2-Pentanone	8.641	43	1145	0.484	ug/l #	1
52) Toluene	8.714	92	1320	0.290	ug/l	91
60) Dibromochloromethane	9.275	129	11167	5.662	ug/l #	11
64) Tetrachloroethene	9.275	164	11255	6.703	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	57616	25.609	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57616	71.527	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	516	0.257	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	411	0.206	ug/l	80

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

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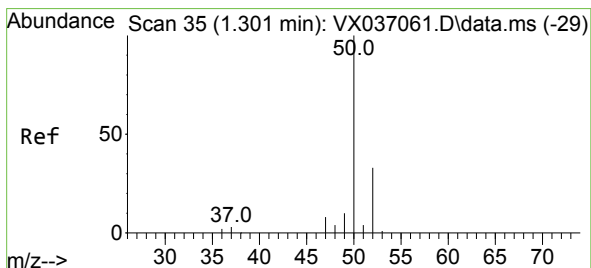
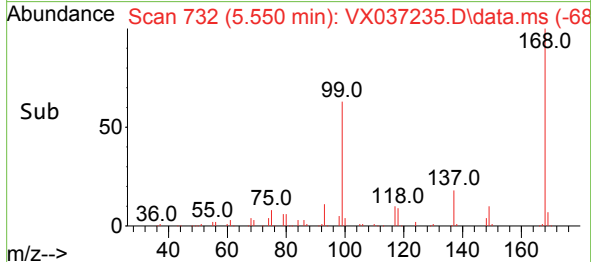
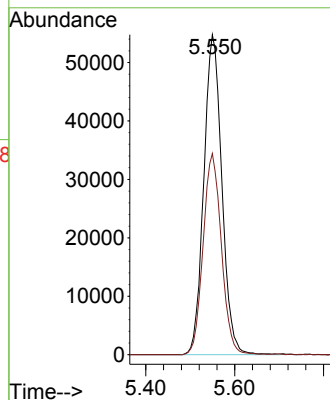
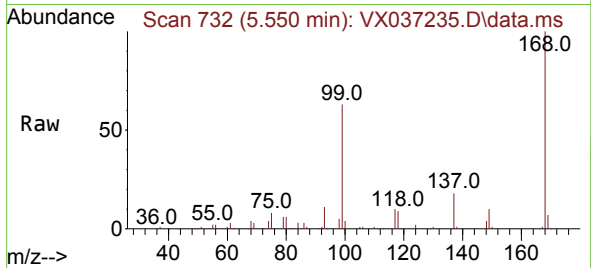




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

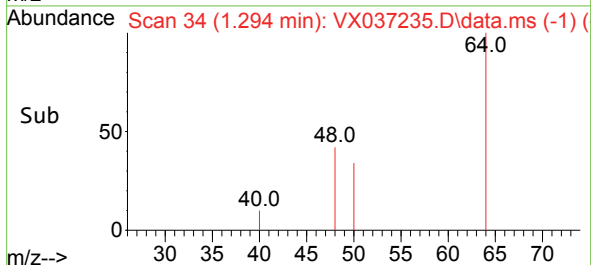
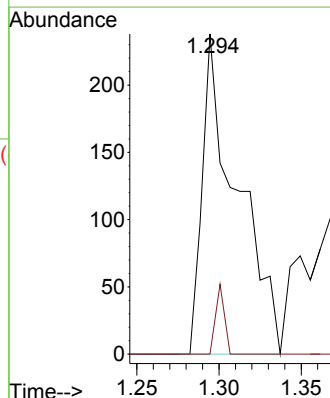
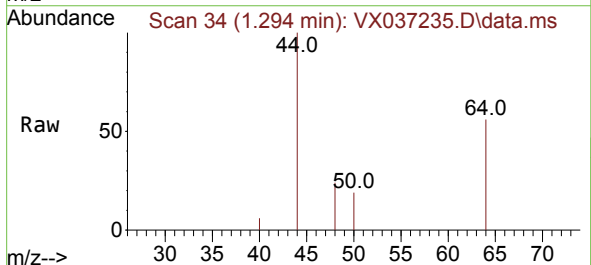
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

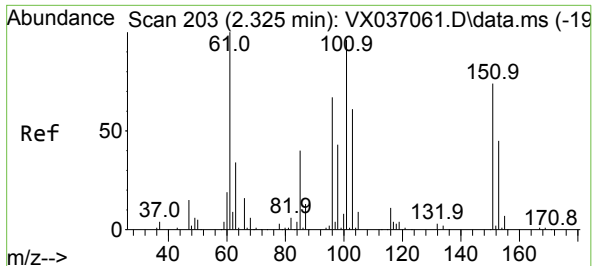
Tgt Ion:168 Resp: 155180
Ion Ratio Lower Upper
168 100
99 62.9 56.6 85.0



#3
Chloromethane
Concen: 0.222 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

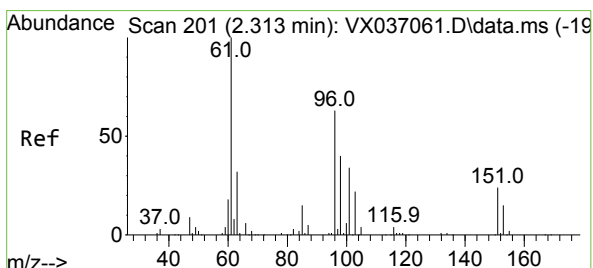
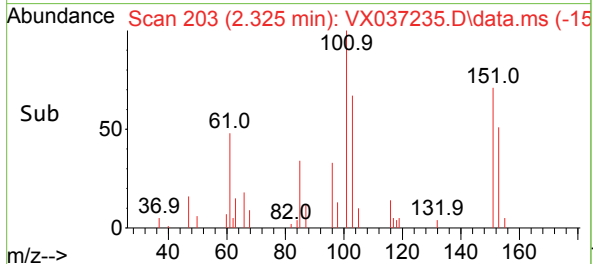
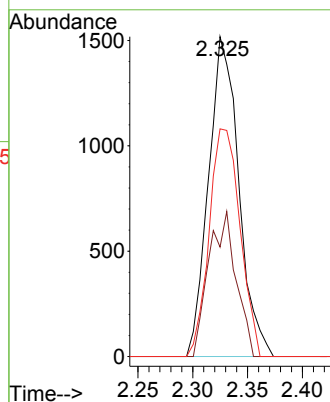
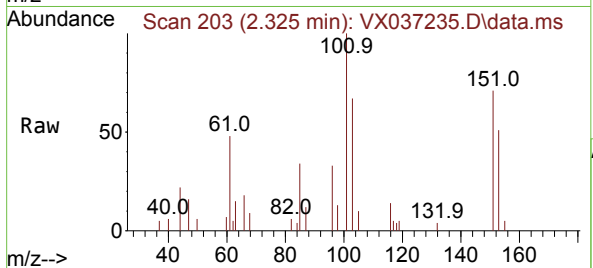




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.773 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. 0.000 min
 Lab File: VX037235.D
 Acq: 24 Aug 2023 23:59

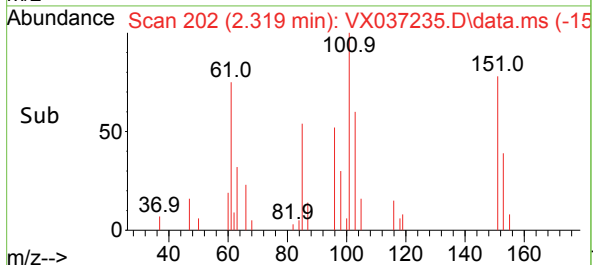
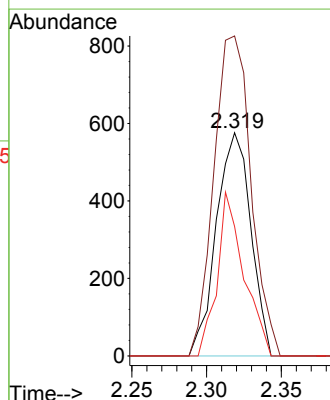
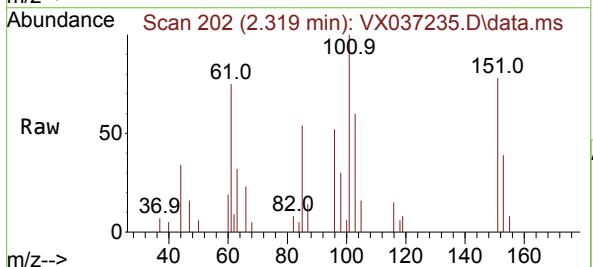
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D1-20230816

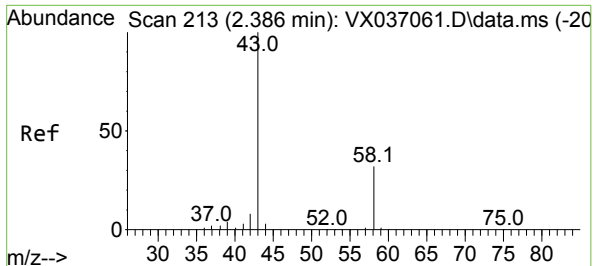
Tgt Ion: 101 Resp: 2908
 Ion Ratio Lower Upper
 101 100
 85 41.0 37.0 55.6
 151 72.6 58.6 87.8



#12
 1,1-Dichloroethene
 Concen: 0.577 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.006 min
 Lab File: VX037235.D
 Acq: 24 Aug 2023 23:59

Tgt Ion: 96 Resp: 921
 Ion Ratio Lower Upper
 96 100
 61 143.4 144.6 216.8#
 98 58.0 50.4 75.6





#16

Acetone

Concen: 0.755 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

Instrument :

MSVOA_X

ClientSampleId :

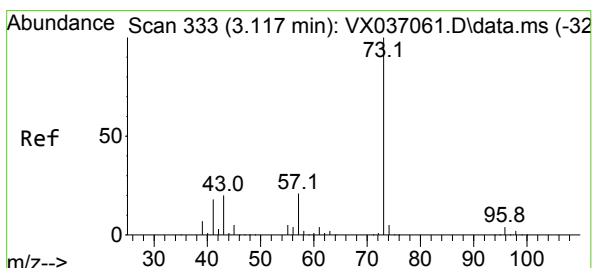
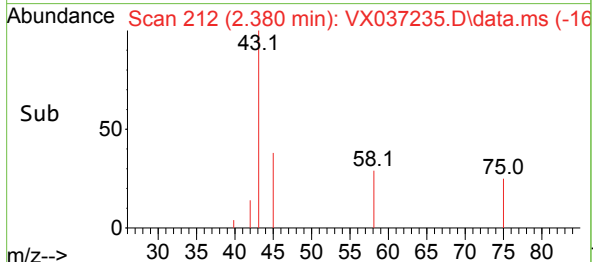
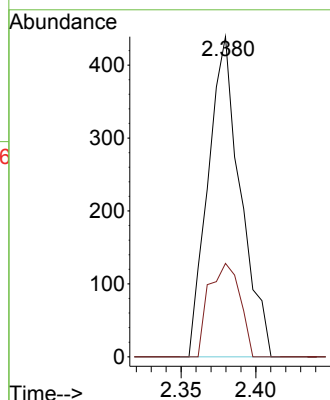
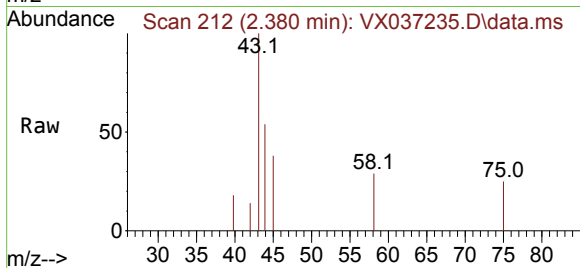
RE125D1-20230816

Tgt Ion: 43 Resp: 661

Ion Ratio Lower Upper

43 100

58 29.2 21.9 32.9



#19

Methyl tert-butyl Ether

Concen: 0.641 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.006 min

Lab File: VX037235.D

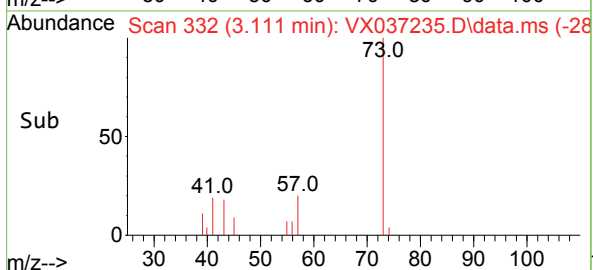
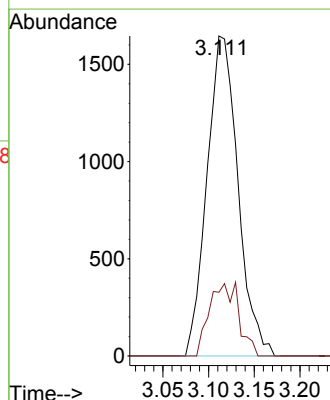
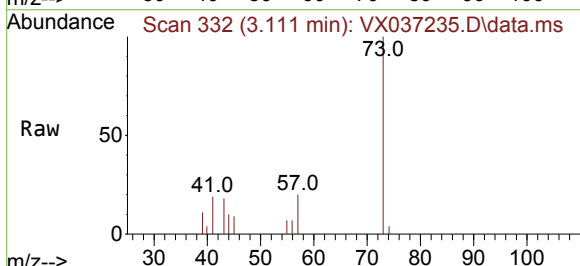
Acq: 24 Aug 2023 23:59

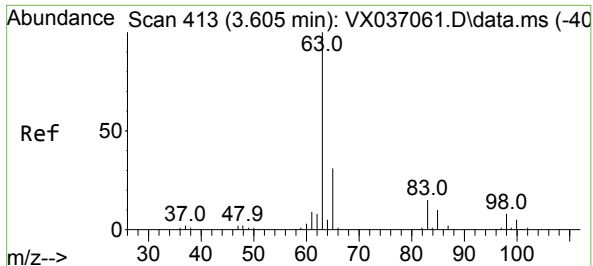
Tgt Ion: 73 Resp: 3884

Ion Ratio Lower Upper

73 100

57 19.9 17.3 25.9

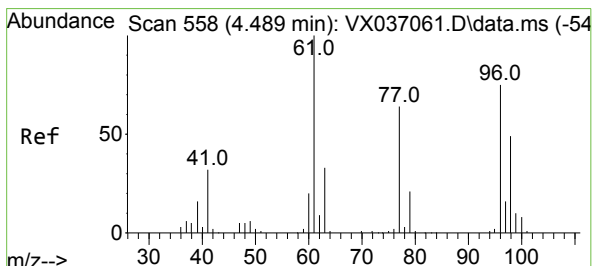
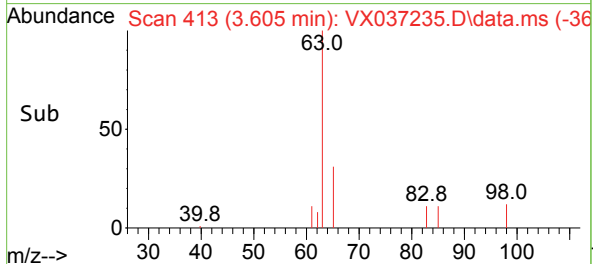
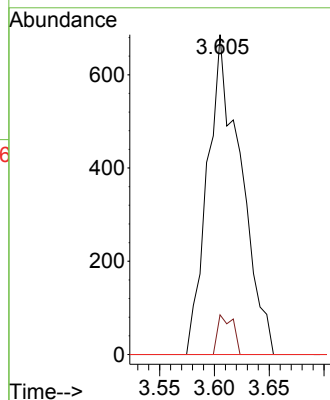
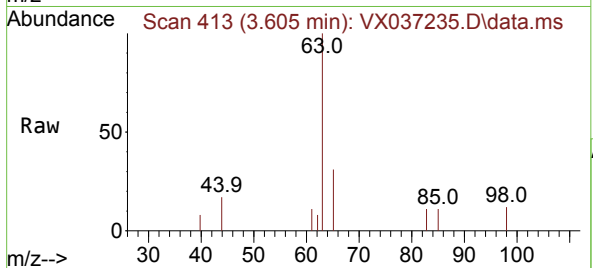




#24
1,1-Dichloroethane
Concen: 0.455 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

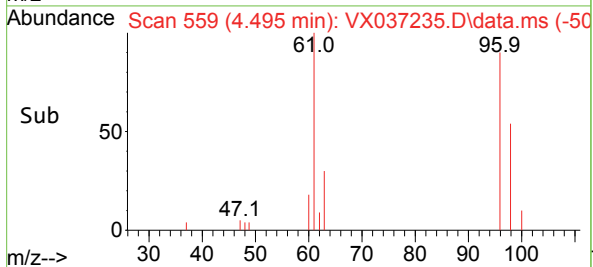
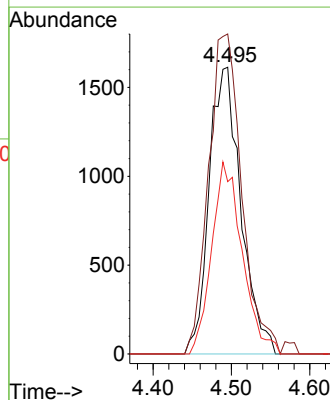
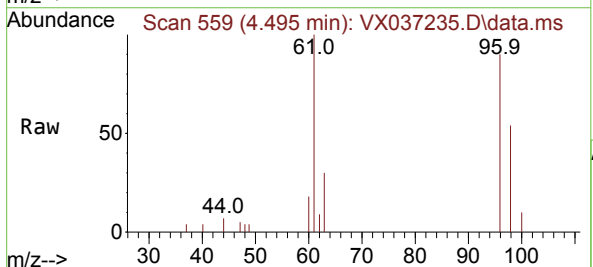
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

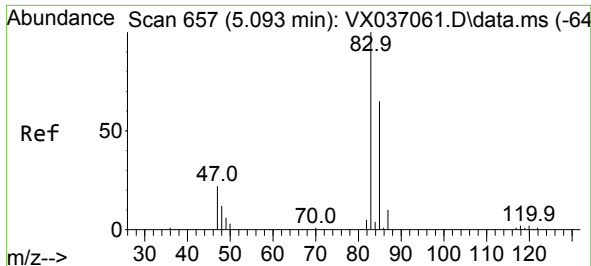
Tgt Ion: 63 Resp: 1447
Ion Ratio Lower Upper
63 100
98 12.4 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 2.125 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 96 Resp: 4550
Ion Ratio Lower Upper
96 100
61 116.8 0.0 312.2
98 64.4 0.0 129.0





#30

Chloroform

Concen: 0.521 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

Instrument :

MSVOA_X

ClientSampleId :

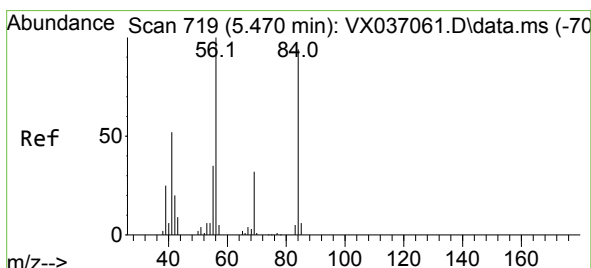
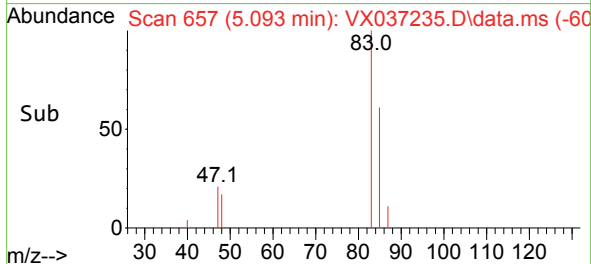
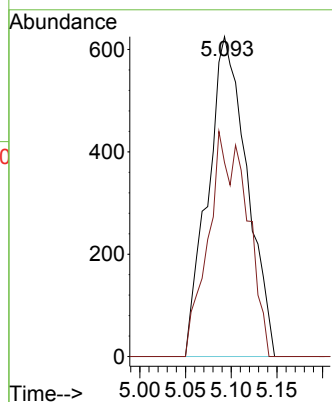
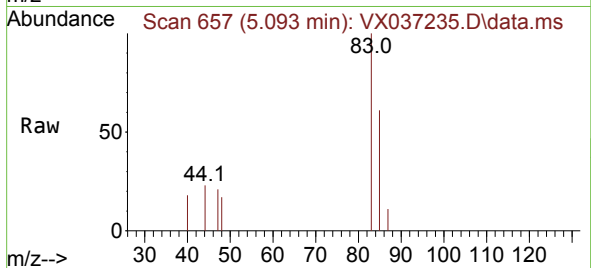
RE125D1-20230816

Tgt Ion: 83 Resp: 1860

Ion Ratio Lower Upper

83 100

85 60.6 50.3 75.5



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

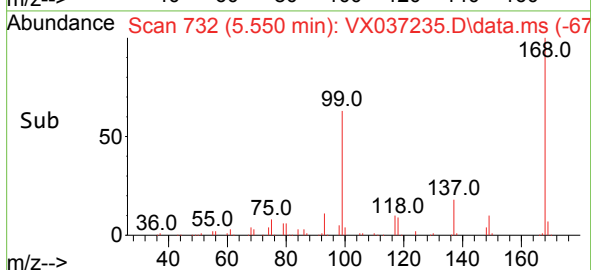
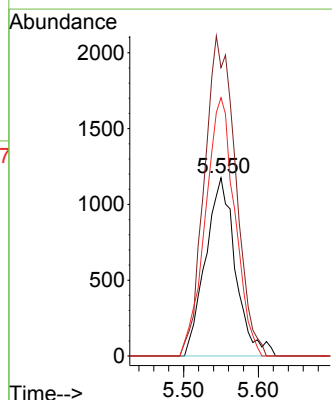
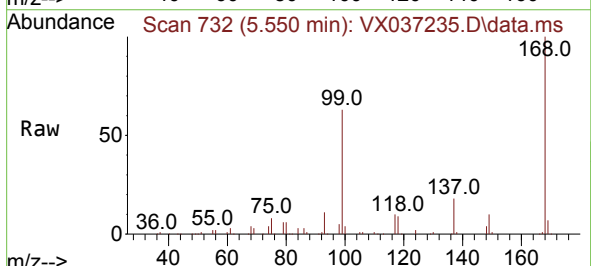
Tgt Ion: 56 Resp: 3269

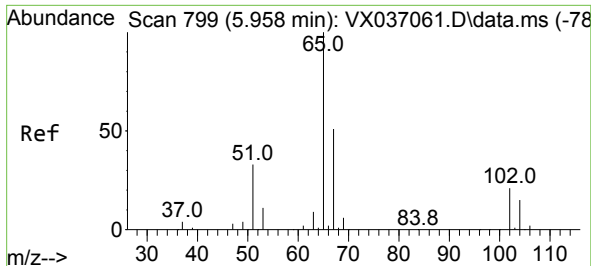
Ion Ratio Lower Upper

56 100

69 161.9 23.4 35.2#

84 145.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 43.333 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

Instrument :

MSVOA_X

ClientSampleId :

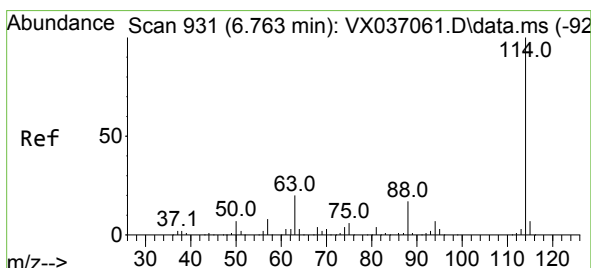
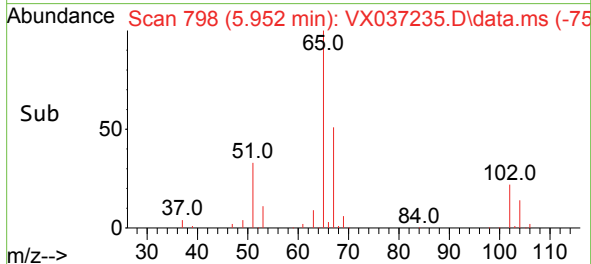
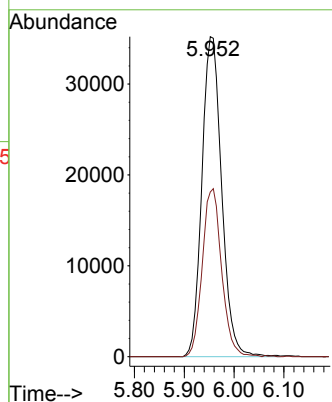
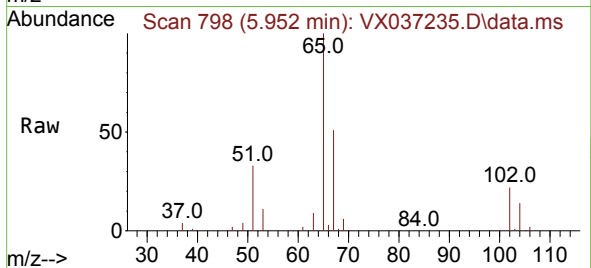
RE125D1-20230816

Tgt Ion: 65 Resp: 96945

Ion Ratio Lower Upper

65 100

67 51.4 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: VX037235.D

Acq: 24 Aug 2023 23:59

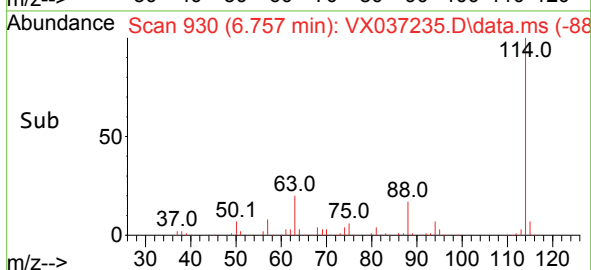
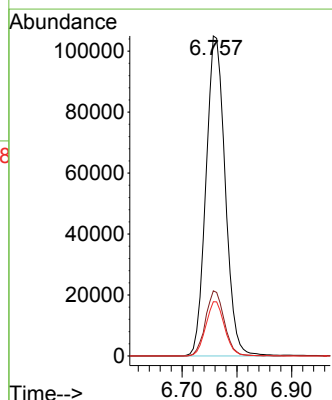
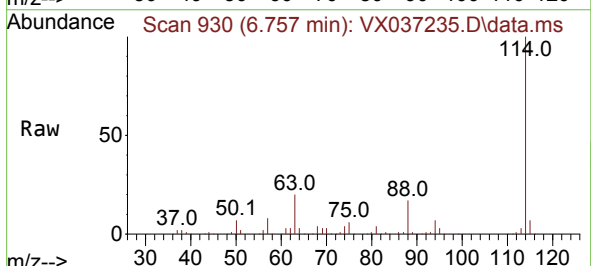
Tgt Ion: 114 Resp: 255143

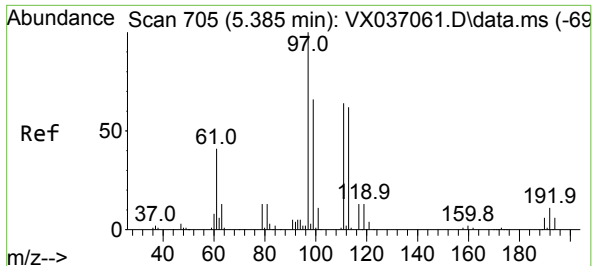
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

88 17.0 0.0 36.6

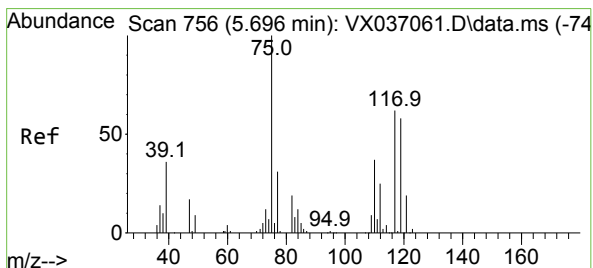
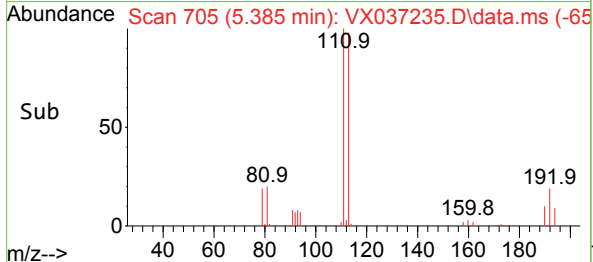
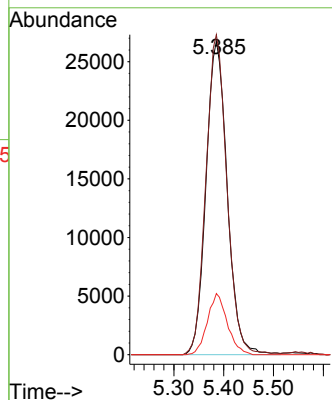
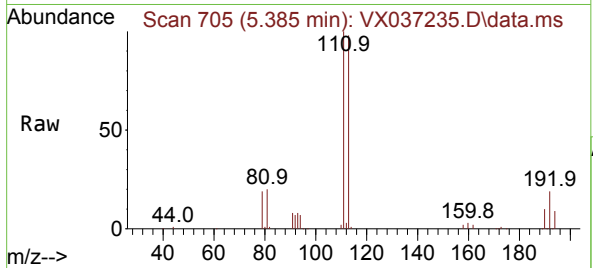




#35
Dibromofluoromethane
Concen: 46.683 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

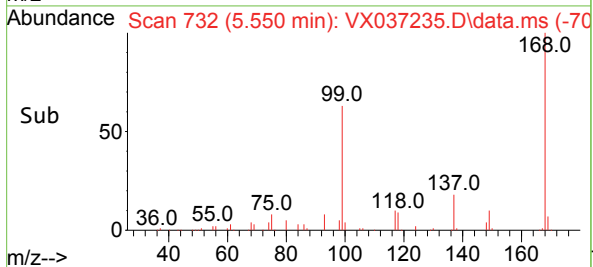
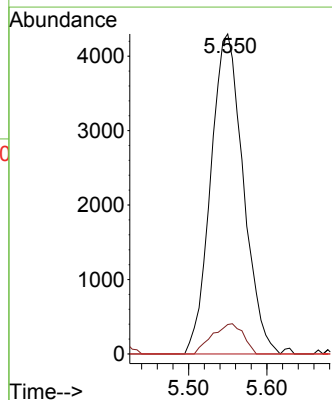
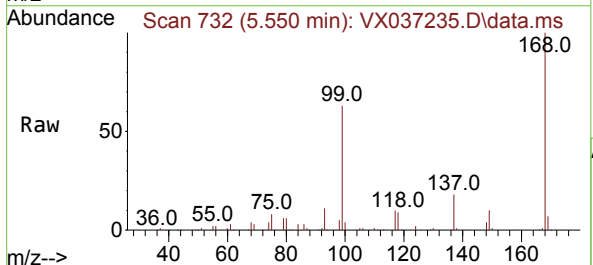
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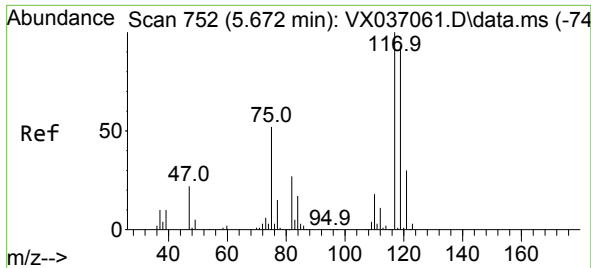
Tgt Ion:113 Resp: 78883
Ion Ratio Lower Upper
113 100
111 101.2 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.167 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

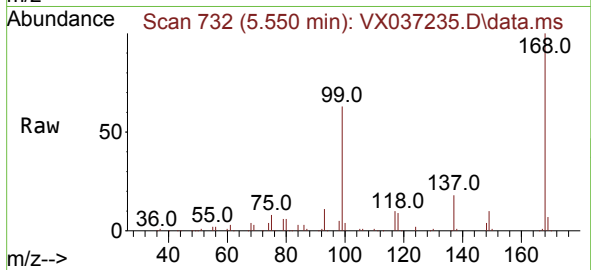
Tgt Ion: 75 Resp: 12405
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



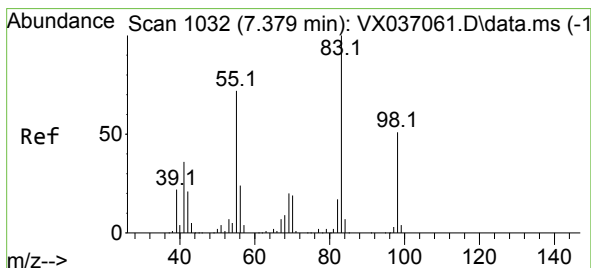
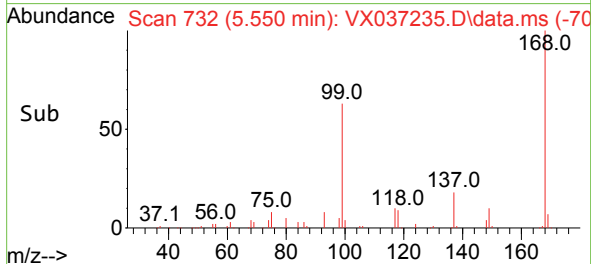
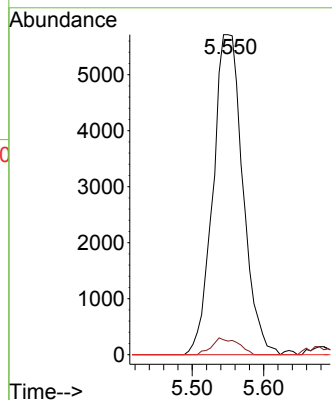


#38
Carbon Tetrachloride
Concen: 6.354 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

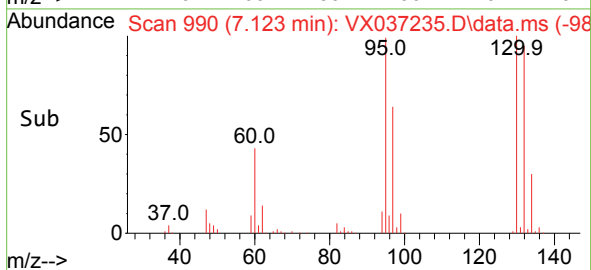
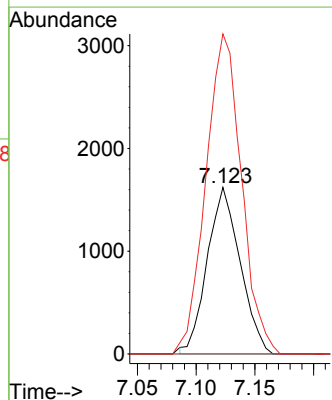
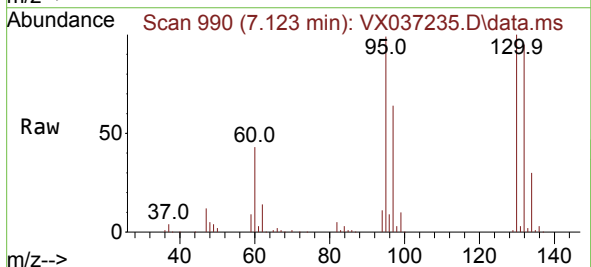


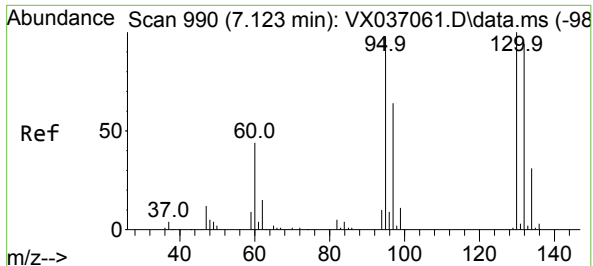
Tgt Ion:117 Resp: 16571
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.250 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 83 Resp: 3152
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 192.1 36.7 55.1#

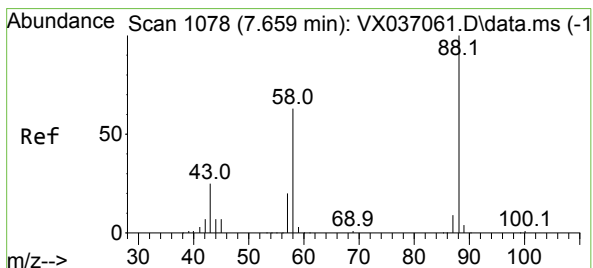
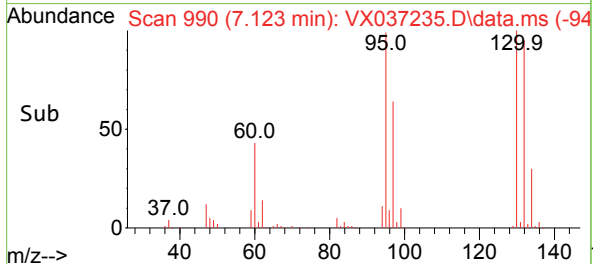
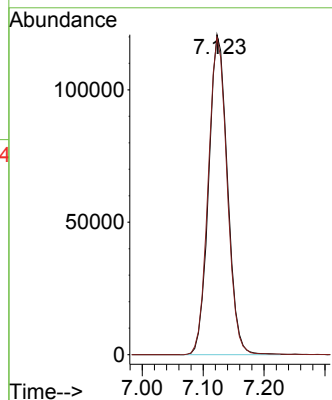
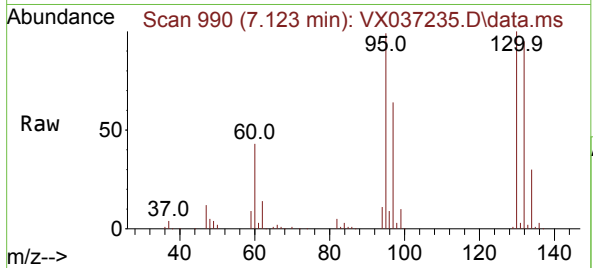




#44
Trichloroethene
Concen: 132.653 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

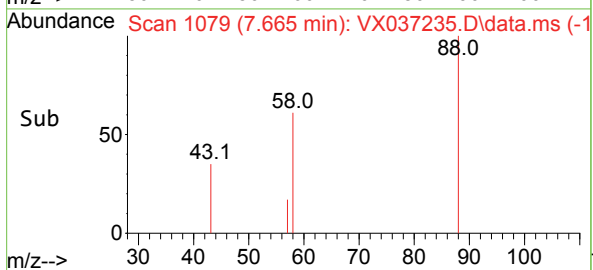
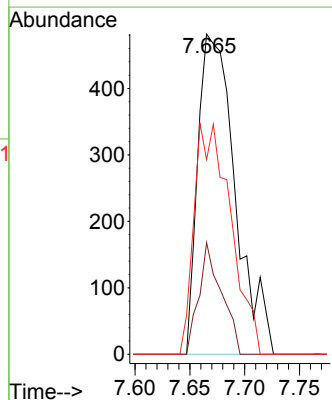
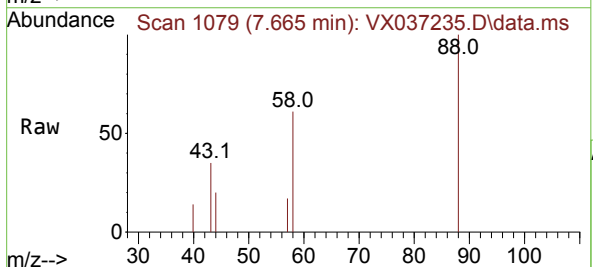
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

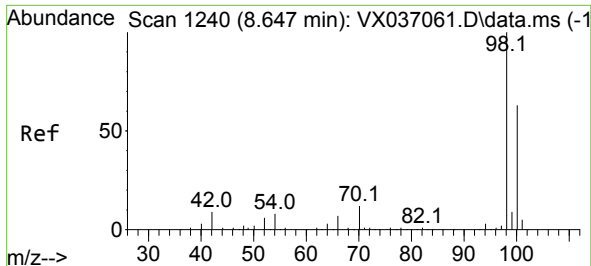
Tgt Ion:130 Resp: 258982
Ion Ratio Lower Upper
130 100
95 99.1 0.0 204.4



#49
1,4-Dioxane
Concen: 22.352 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 88 Resp: 1143
Ion Ratio Lower Upper
88 100
43 21.2 0.0 0.0#
58 70.3 60.1 90.1

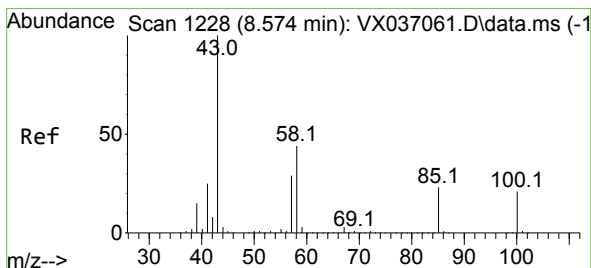
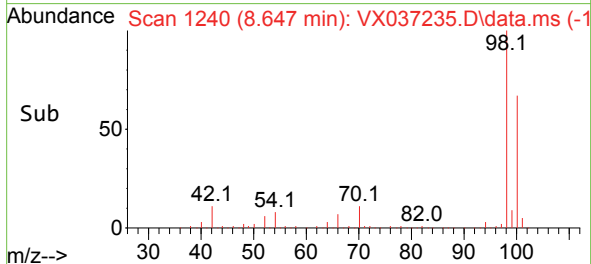
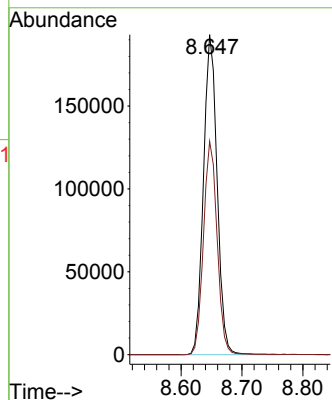
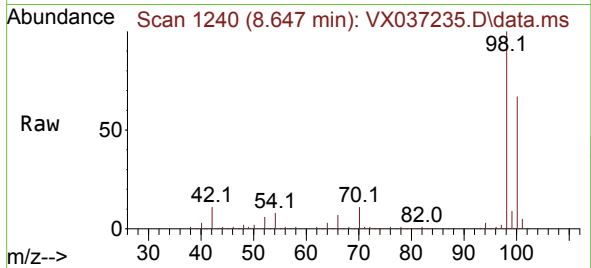




#50
Toluene-d8
Concen: 49.082 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

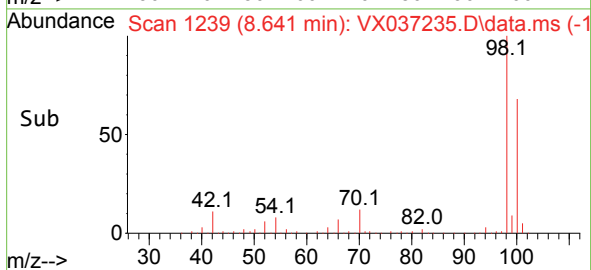
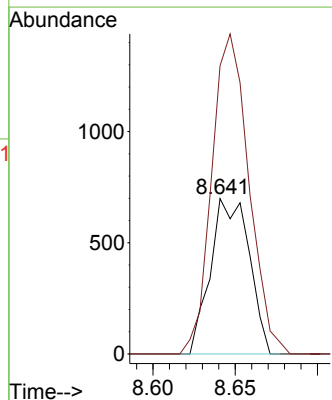
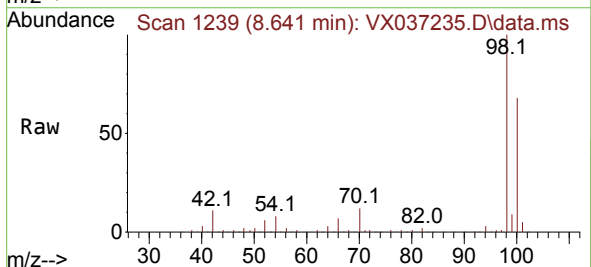
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

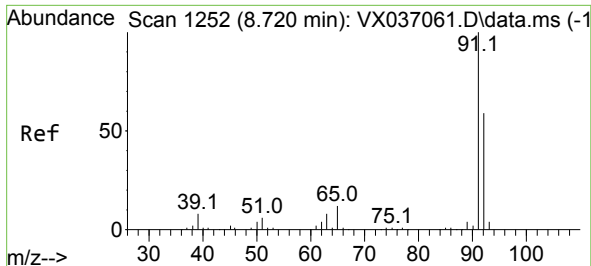
Tgt Ion: 98 Resp: 300841
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 197.0 30.4 45.6#

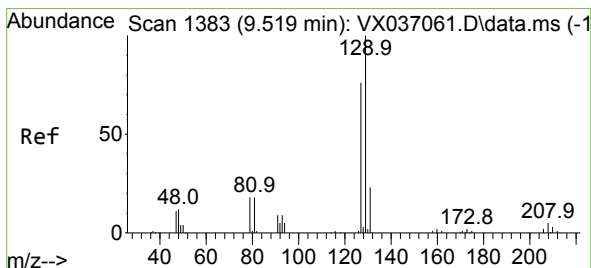
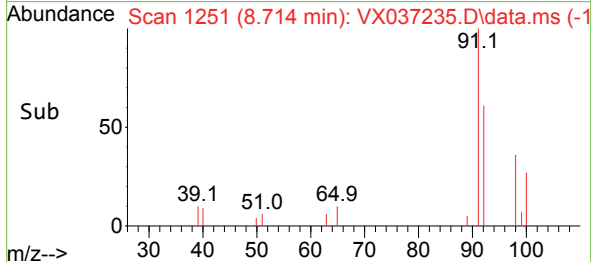
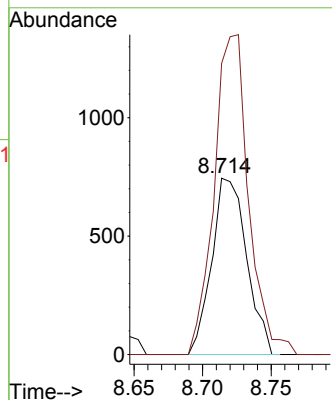
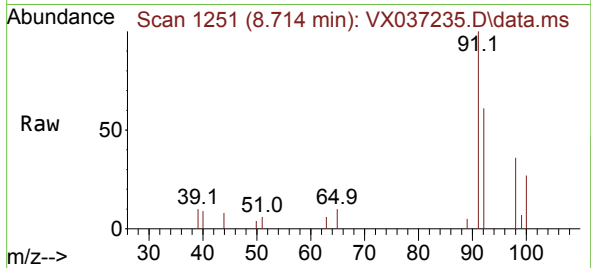




#52
Toluene
Concen: 0.290 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

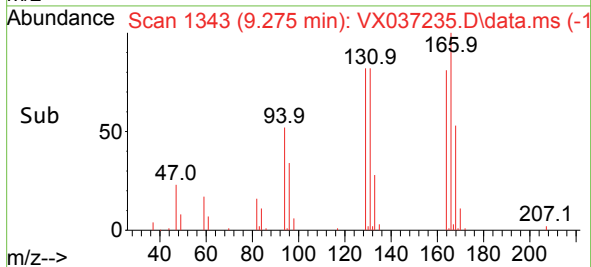
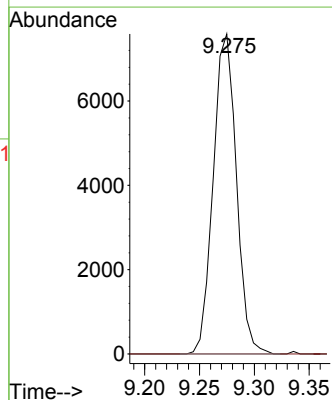
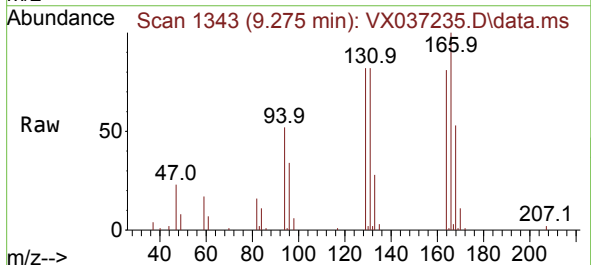
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

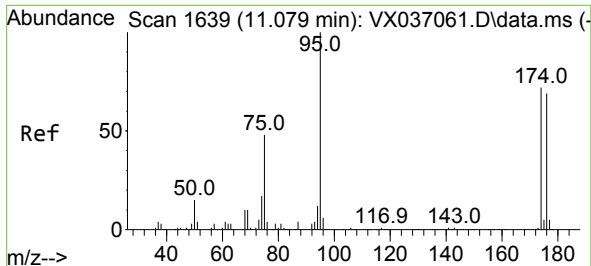
Tgt Ion: 92 Resp: 1320
Ion Ratio Lower Upper
92 100
91 179.5 134.2 201.2



#60
Dibromochloromethane
Concen: 5.662 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 129 Resp: 11167
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

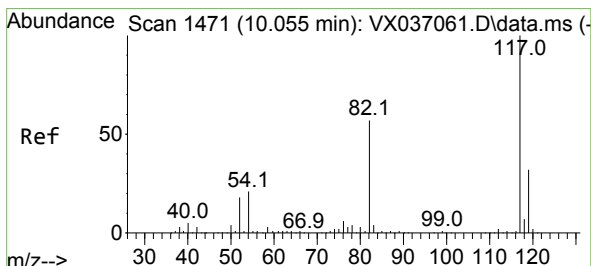
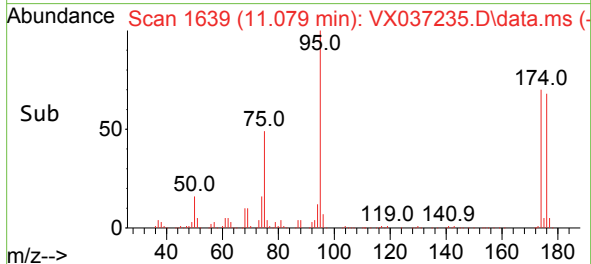
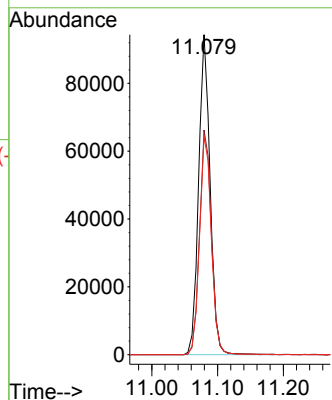
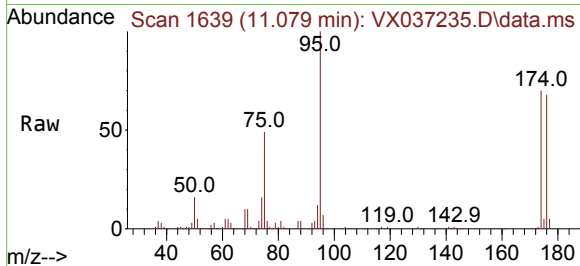




#62
4-Bromofluorobenzene
Concen: 47.548 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

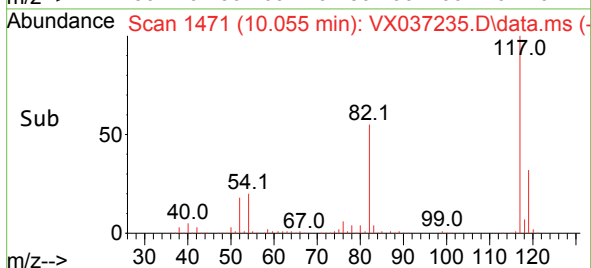
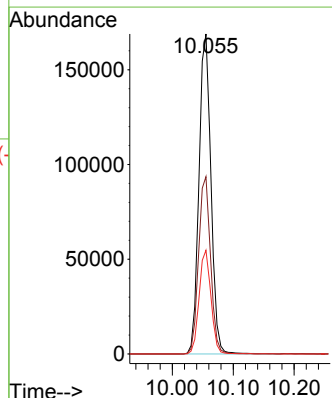
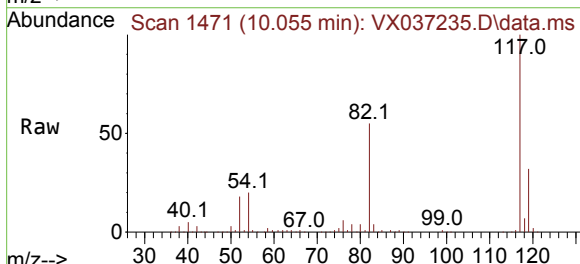
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

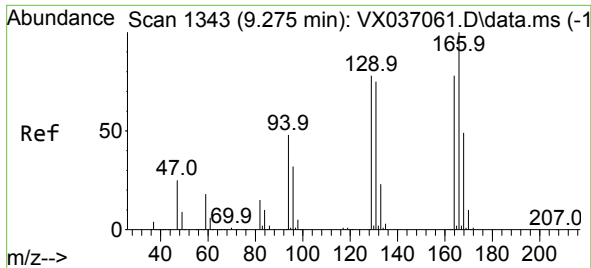
Tgt Ion: 95 Resp: 114532
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 70.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion: 117 Resp: 230182
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.4 25.5 38.3

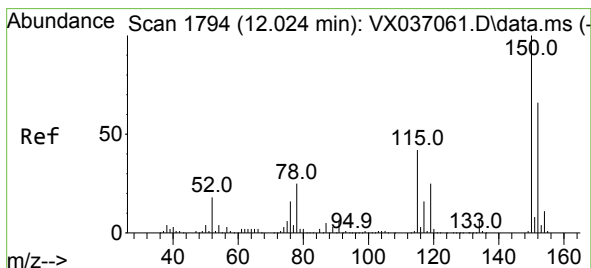
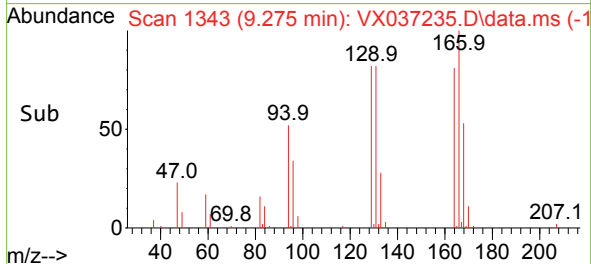
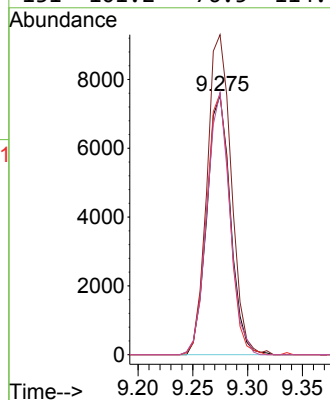
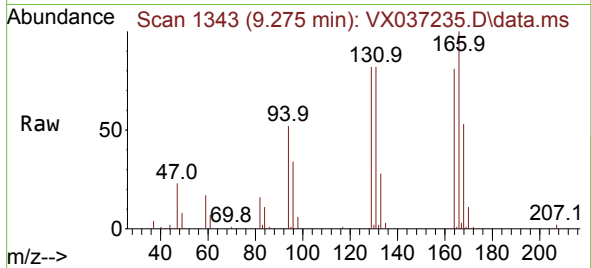




#64
Tetrachloroethene
Concen: 6.703 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

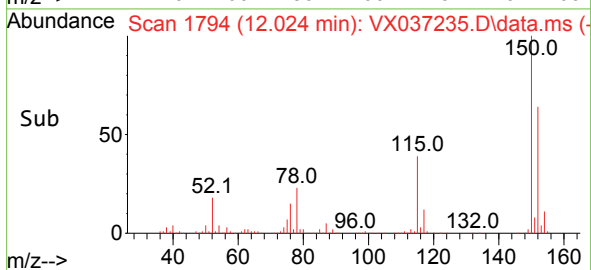
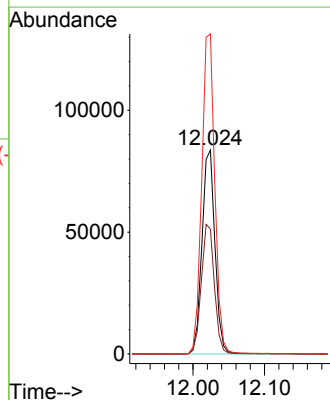
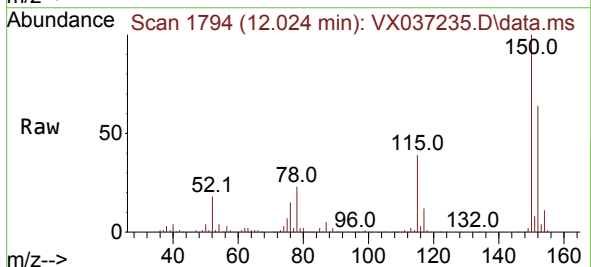
Instrument :
MSVOA_X
ClientSampleId :
RE125D1-20230816

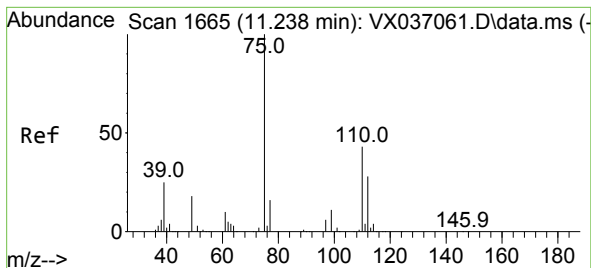
Tgt Ion:164 Resp: 11255
Ion Ratio Lower Upper
164 100
166 123.6 102.7 154.1
129 100.9 80.4 120.6
131 101.2 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037235.D
Acq: 24 Aug 2023 23:59

Tgt Ion:152 Resp: 105642
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 158.6 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.609 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

Instrument :

MSVOA_X

ClientSampleId :

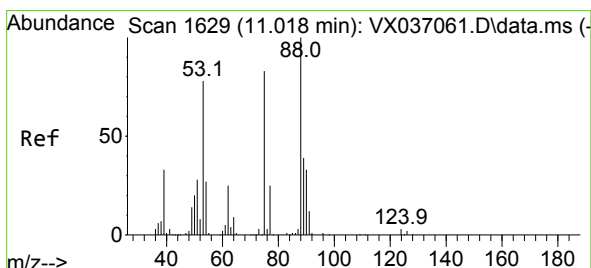
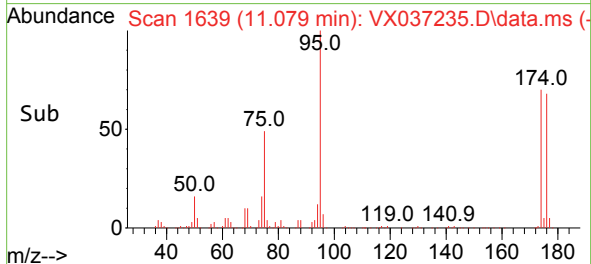
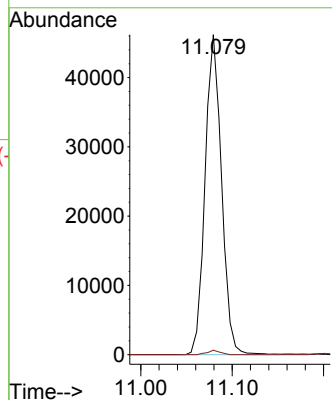
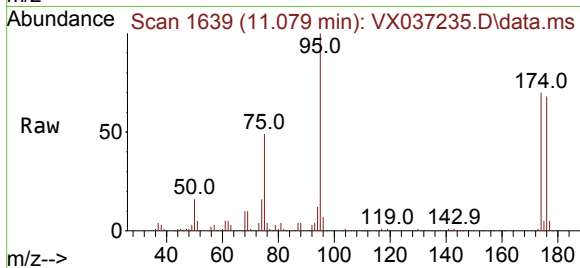
RE125D1-20230816

Tgt Ion: 75 Resp: 57616

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.527 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

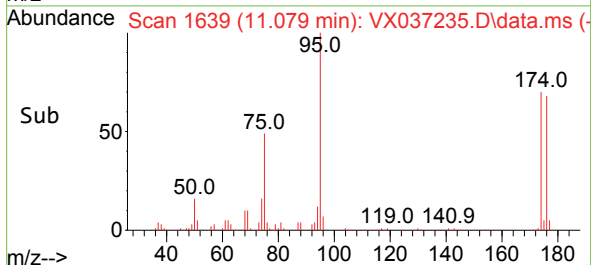
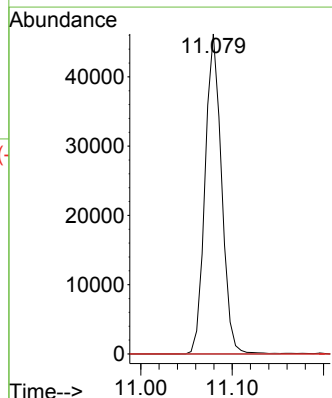
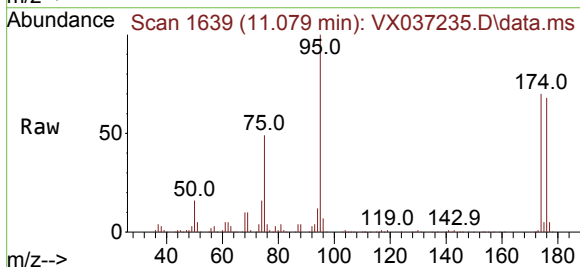
Tgt Ion: 75 Resp: 57616

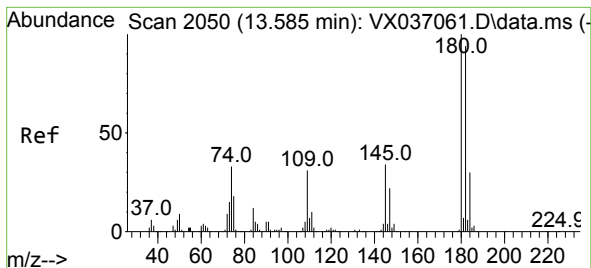
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.257 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

Instrument :

MSVOA_X

ClientSampleId :

RE125D1-20230816

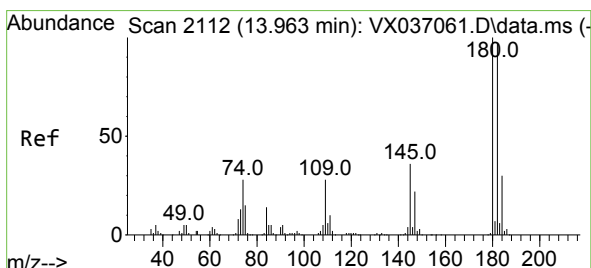
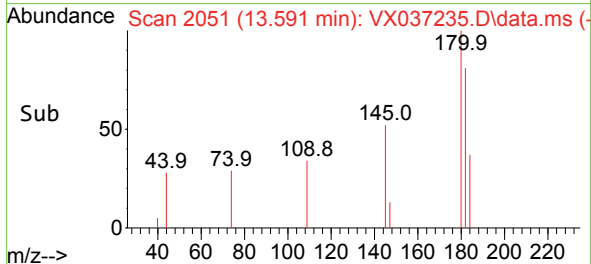
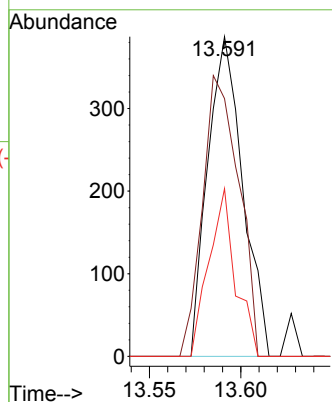
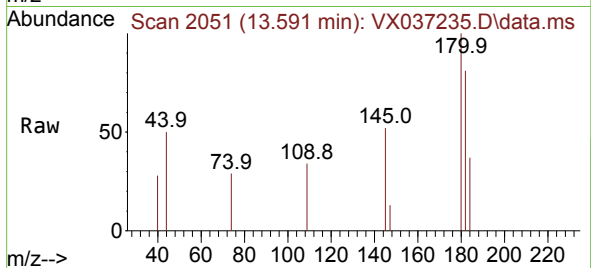
Tgt Ion:180 Resp: 516

Ion Ratio Lower Upper

180 100

182 91.1 48.3 144.8

145 39.9 18.0 54.0



#96

1,2,3-Trichlorobenzene

Concen: 0.206 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037235.D

Acq: 24 Aug 2023 23:59

Tgt Ion:180 Resp: 411

Ion Ratio Lower Upper

180 100

182 118.0 46.9 140.6

145 31.4 17.8 53.5

