

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111723\
 Data File : VX038908.D
 Acq On : 18 Nov 2023 04:44
 Operator : JC/MD
 Sample : 05404-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20231109

Quant Time: Nov 20 00:32:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

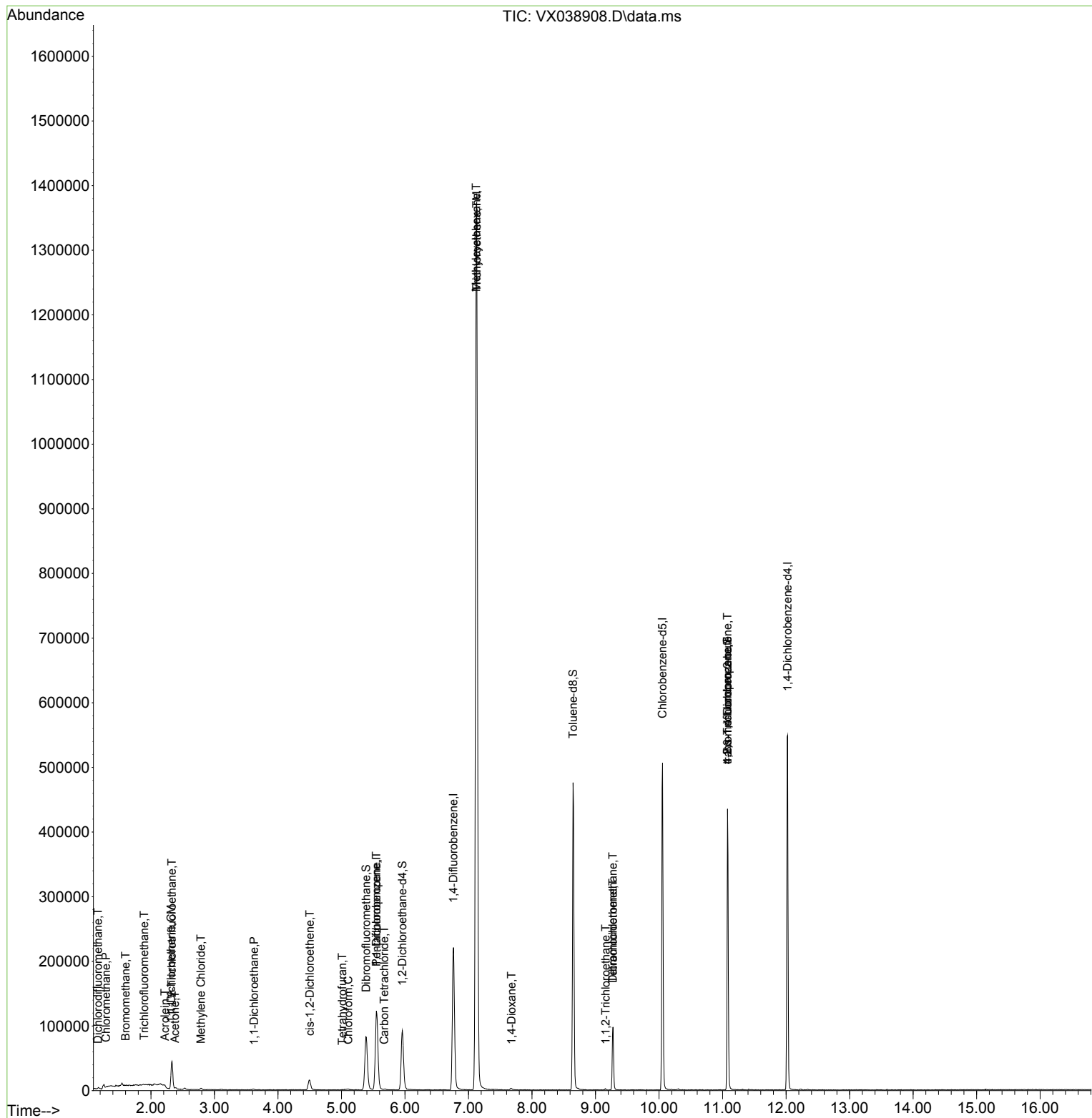
Internal Standards						
1) Pentafluorobenzene	5.550	168	110315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87121	49.012	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.020%
35) Dibromofluoromethane	5.385	113	72807	44.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.620%
50) Toluene-d8	8.647	98	283181	45.555	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.120%#
62) 4-Bromofluorobenzene	11.079	95	118856	47.764	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	749	0.582	ug/l	96
3) Chloromethane	1.294	50	408	0.243	ug/l	92
5) Bromomethane	1.599	94	178	0.266	ug/l #	62
7) Trichlorofluoromethane	1.892	101	565	0.275	ug/l #	59
9) 1,1,2-Trichlorotrifluo...	2.331	101	13595	9.983	ug/l	97
12) 1,1-Dichloroethene	2.318	96	4128	3.002	ug/l	89
13) Acrolein	2.221	56	321	1.227	ug/l #	14
16) Acetone	2.379	43	1511	1.597	ug/l #	71
20) Methylene Chloride	2.788	84	1004	0.589	ug/l #	77
24) 1,1-Dichloroethane	3.623	63	1521	0.539	ug/l #	85
27) cis-1,2-Dichloroethene	4.501	96	9800	5.542	ug/l	84
29) Tetrahydrofuran	5.013	42	334	0.343	ug/l #	48
30) Chloroform	5.105	83	1585	0.575	ug/l #	82
36) 1,1-Dichloropropene	5.550	75	10127	4.349	ug/l #	51
38) Carbon Tetrachloride	5.672	117	949	0.441	ug/l #	70
39) Methylcyclohexane	7.122	83	7273	2.395	ug/l #	1
44) Trichloroethene	7.129	130	516248	307.949	ug/l	97
49) 1,4-Dioxane	7.677	88	1801	39.574	ug/l #	94
55) 1,1,2-Trichloroethane	9.159	97	496	0.278	ug/l #	83
60) Dibromochloromethane	9.275	129	17520	9.662	ug/l #	11
64) Tetrachloroethene	9.275	164	16862	11.843	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	61854	22.197	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61854	49.234	ug/l #	5

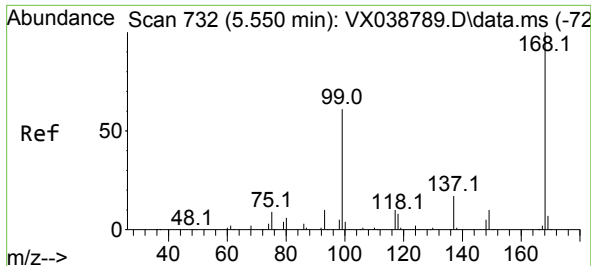
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 16 22:59:22 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX038908.D

Acq: 18 Nov 2023 04:44

Instrument :

MSVOA_X

ClientSampleId :

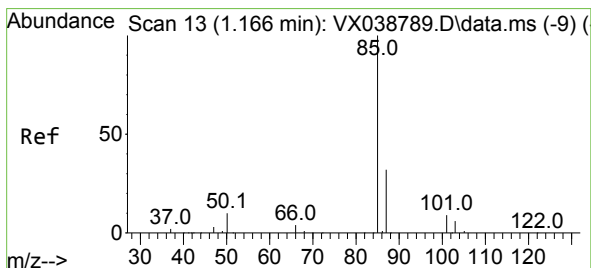
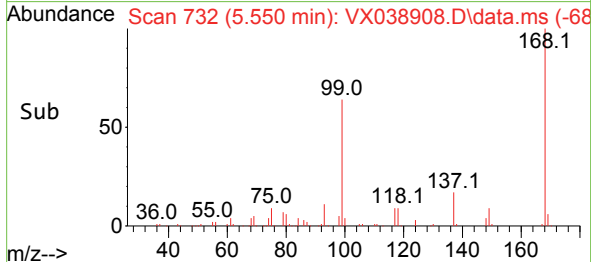
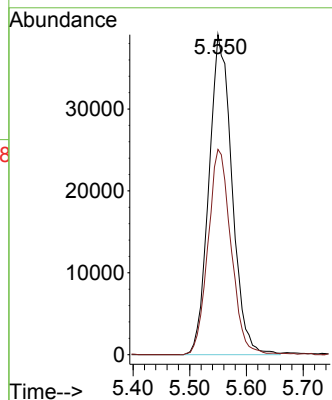
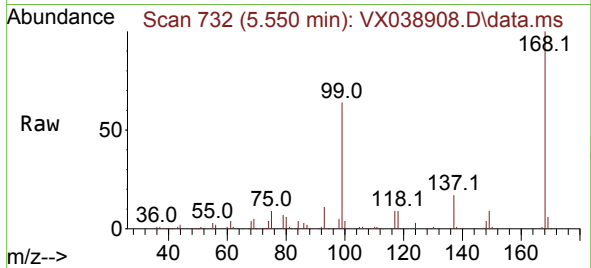
RE125D2-20231109

Tgt Ion:168 Resp: 110315

Ion Ratio Lower Upper

168 100

99 64.2 56.6 85.0



#2

Dichlorodifluoromethane

Concen: 0.582 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX038908.D

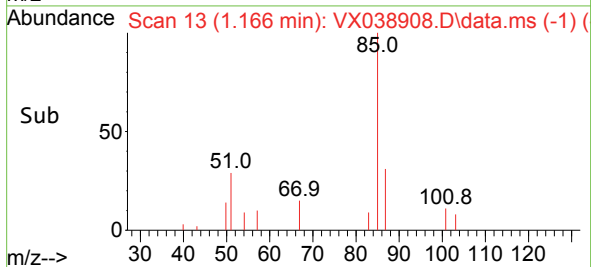
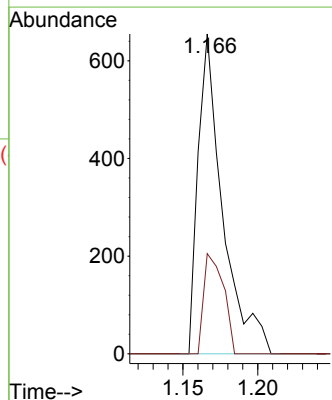
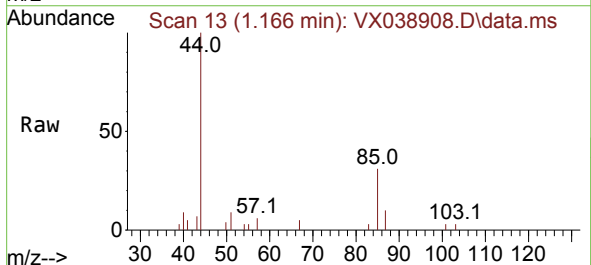
Acq: 18 Nov 2023 04:44

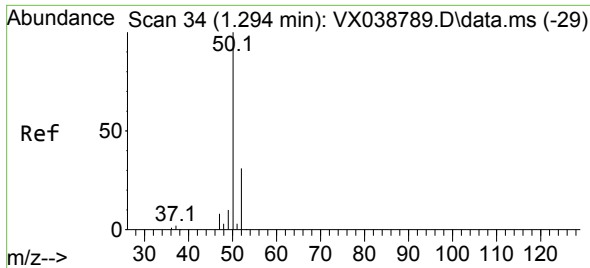
Tgt Ion: 85 Resp: 749

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.1

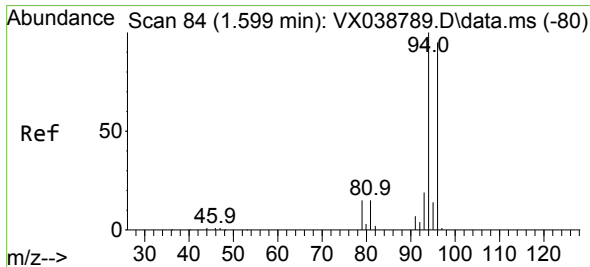
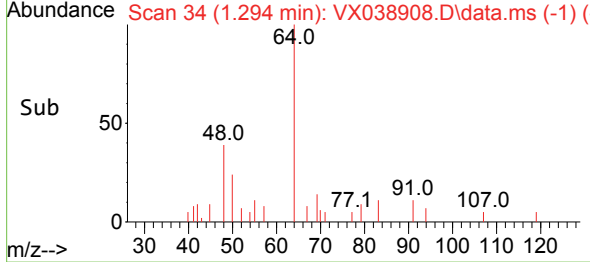
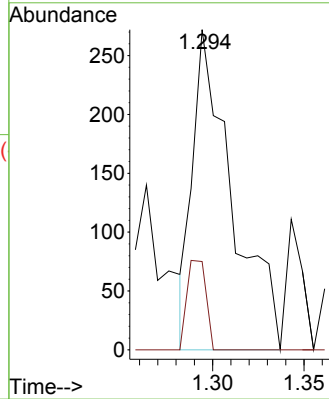
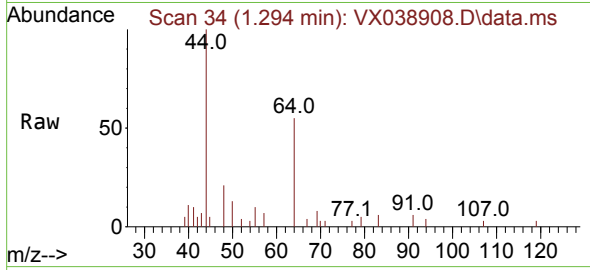




#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

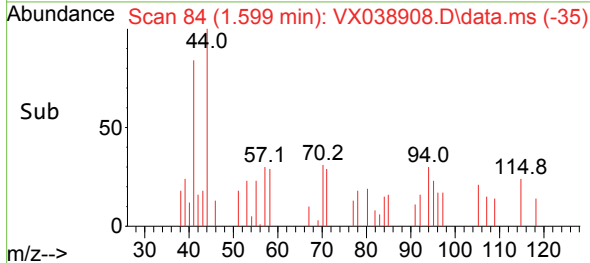
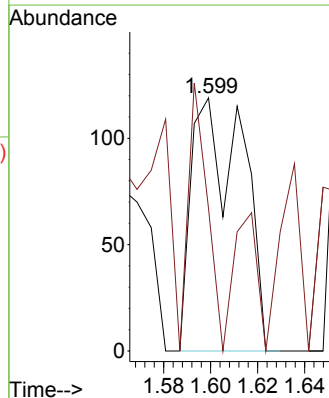
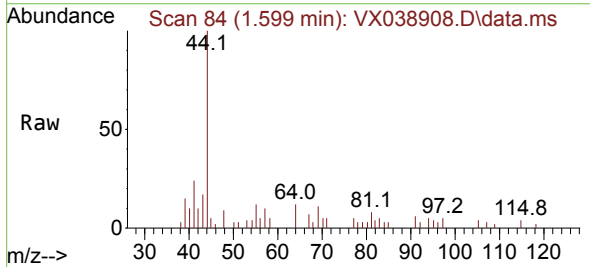
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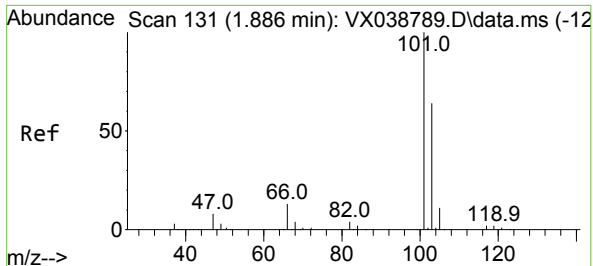
Tgt Ion: 50 Resp: 408
Ion Ratio Lower Upper
50 100
52 27.6 25.5 38.3



#5
Bromomethane
Concen: 0.266 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 56.3 74.6 111.8#

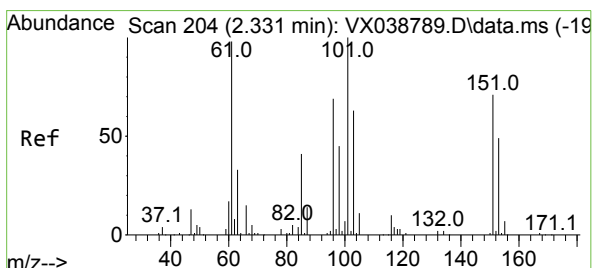
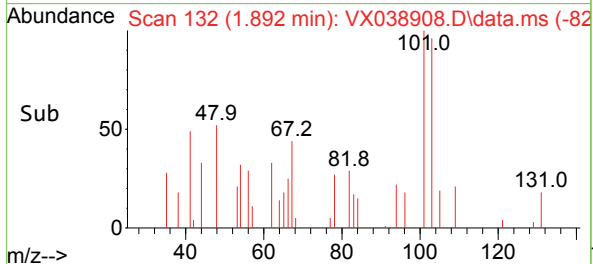
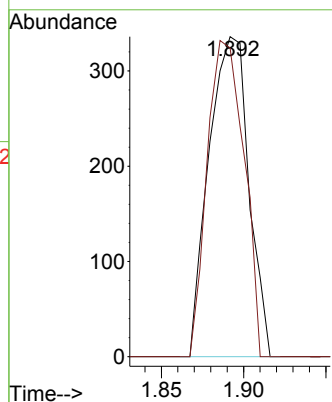
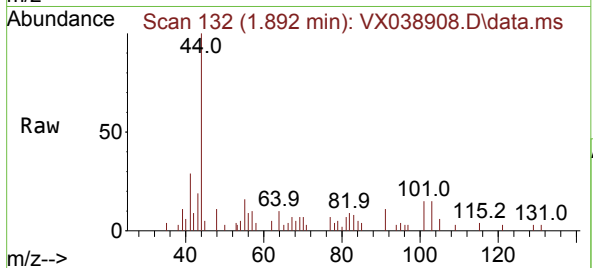




#7
Trichlorofluoromethane
Concen: 0.275 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

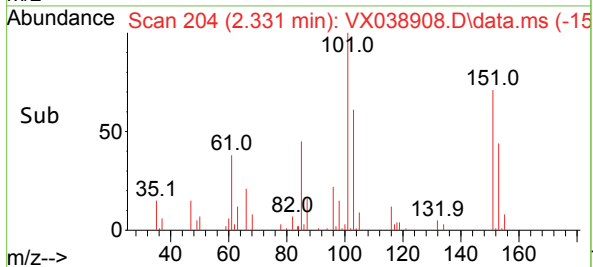
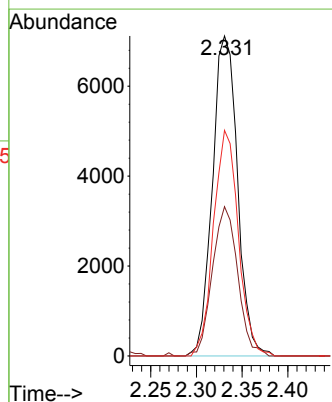
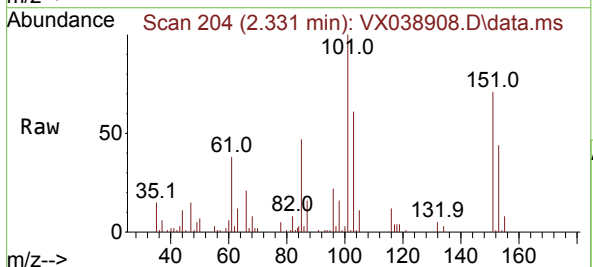
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

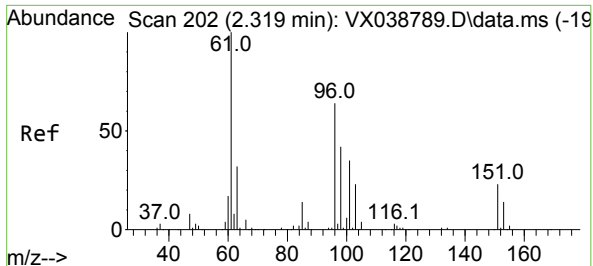
Tgt Ion:101 Resp: 565
Ion Ratio Lower Upper
101 100
103 96.4 51.4 77.2#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.983 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion:101 Resp: 13595
Ion Ratio Lower Upper
101 100
85 47.1 37.0 55.6
151 69.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 3.002 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX038908.D

Acq: 18 Nov 2023 04:44

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20231109

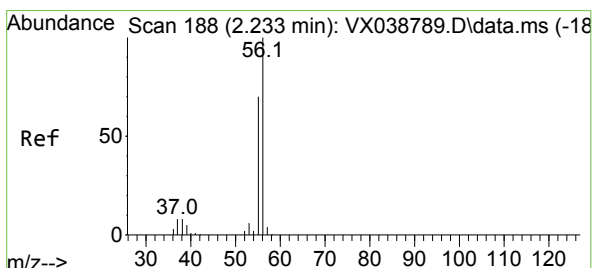
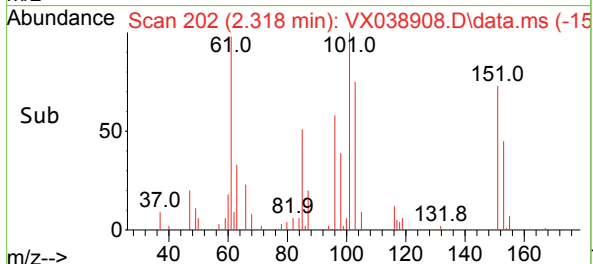
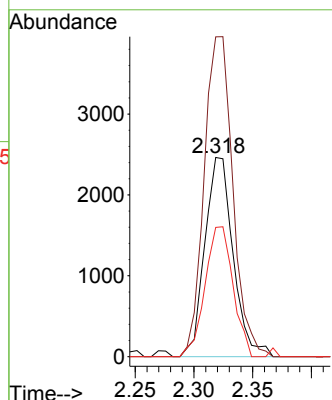
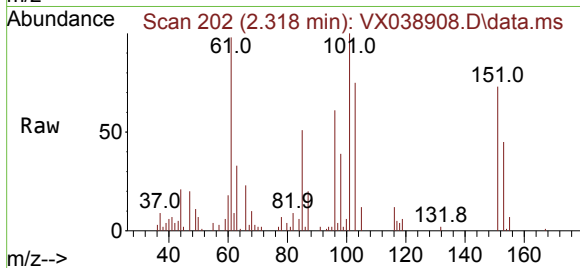
Tgt Ion: 96 Resp: 4128

Ion Ratio Lower Upper

96 100

61 160.6 144.6 216.8

98 64.9 50.4 75.6



#13

Acrolein

Concen: 1.227 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX038908.D

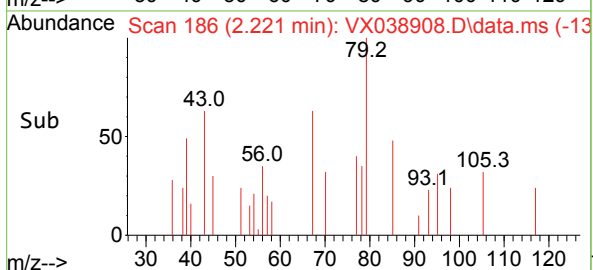
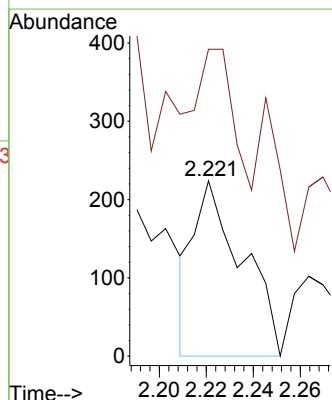
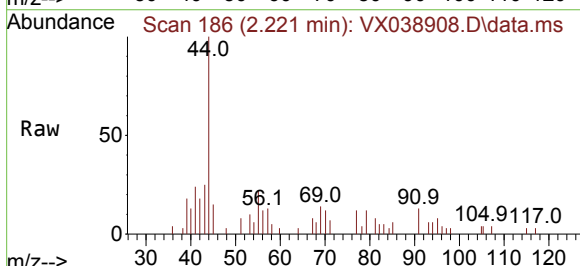
Acq: 18 Nov 2023 04:44

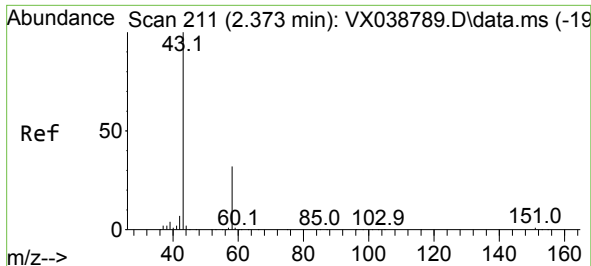
Tgt Ion: 56 Resp: 321

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

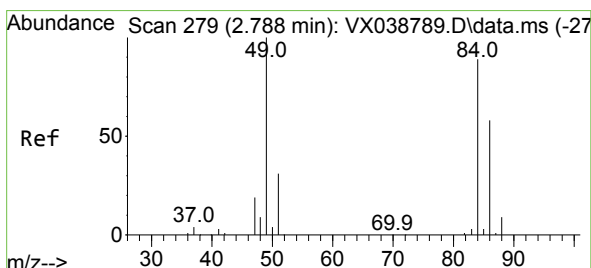
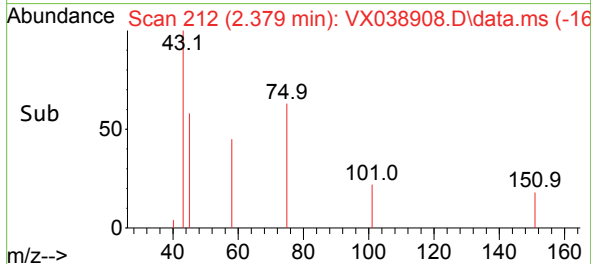
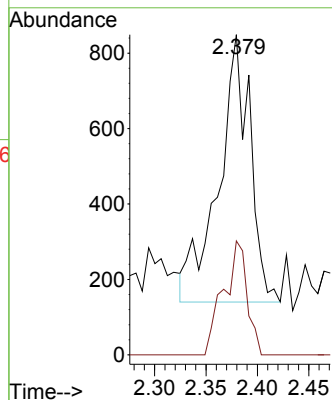
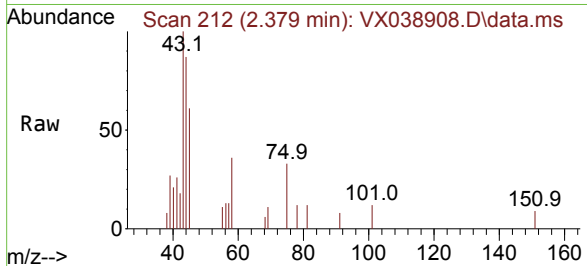




#16
Acetone
Concen: 1.597 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

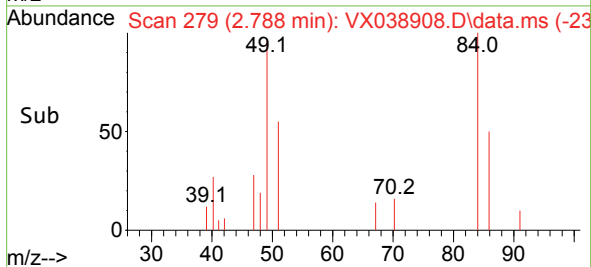
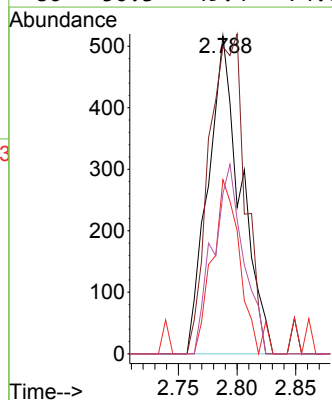
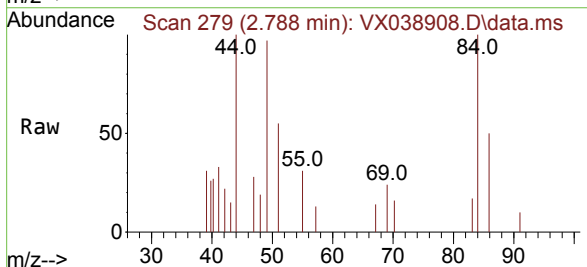
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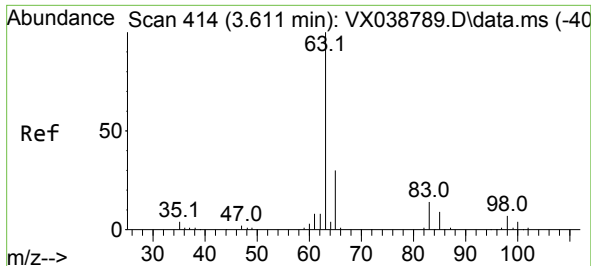
Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
58 42.6 21.9 32.9#



#20
Methylene Chloride
Concen: 0.589 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 96.5 103.6 155.4#
51 54.7 33.8 50.6#
86 50.3 49.4 74.0

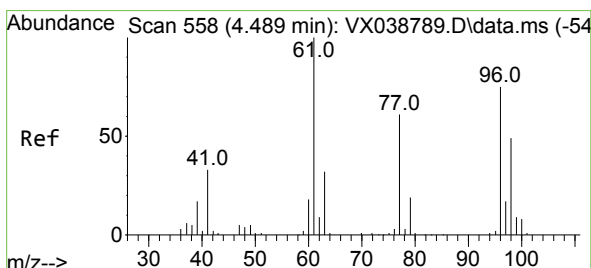
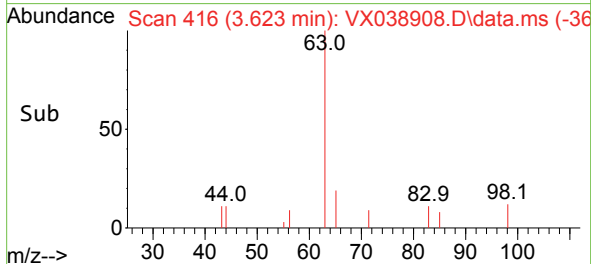
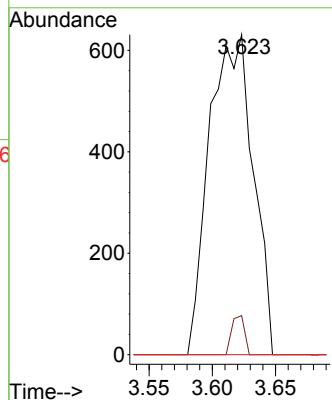
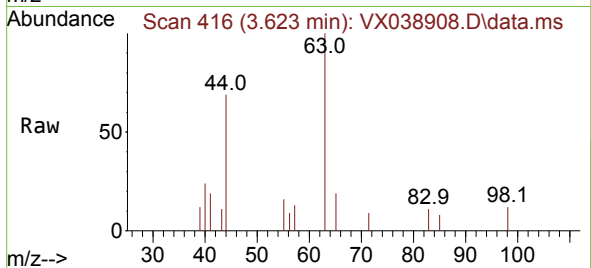




#24
1,1-Dichloroethane
Concen: 0.539 ug/l
RT: 3.623 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

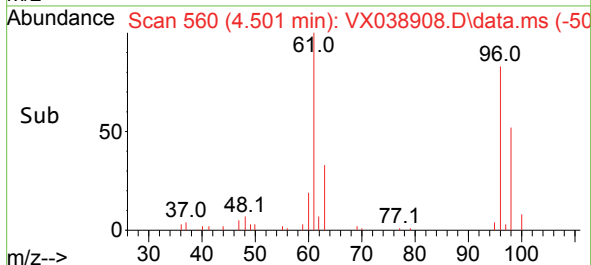
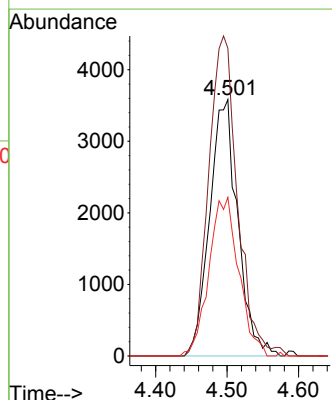
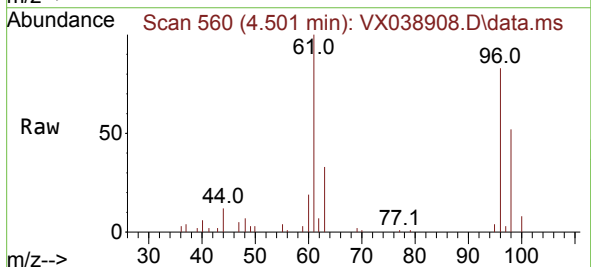
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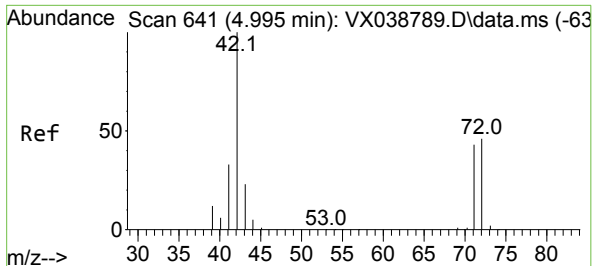
Tgt Ion: 63 Resp: 1521
Ion Ratio Lower Upper
63 100
98 12.2 3.3 9.8#
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 5.542 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 96 Resp: 9800
Ion Ratio Lower Upper
96 100
61 127.4 0.0 312.2
98 65.5 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 5.013 min Scan# 641

Delta R.T. 0.018 min

Lab File: VX038908.D

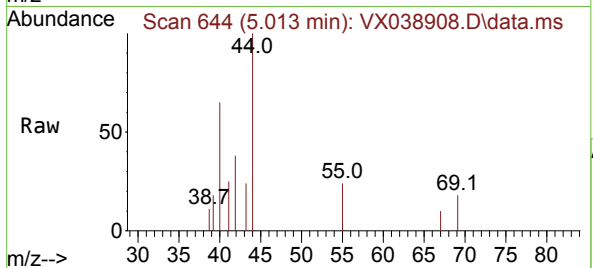
Acq: 18 Nov 2023 04:44

Instrument :

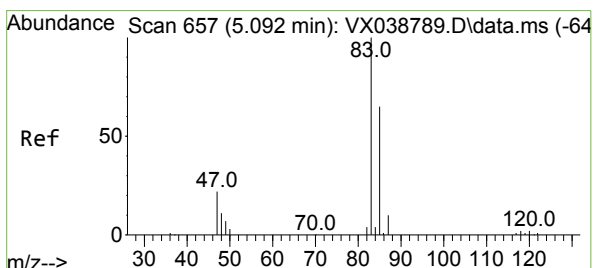
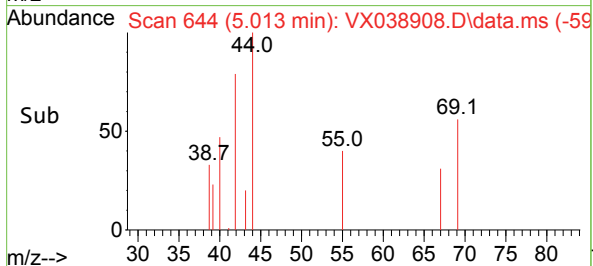
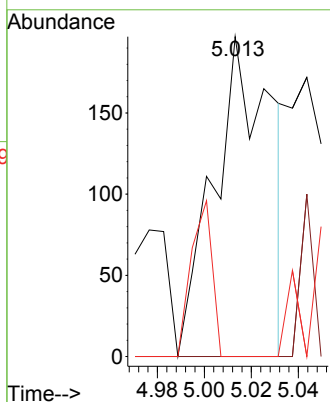
MSVOA_X

ClientSampleId :

RE125D2-20231109



Tgt Ion:	42	Resp:	334
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.4#
71	18.0	32.2	48.2#



#30

Chloroform

Concen: 0.575 ug/l

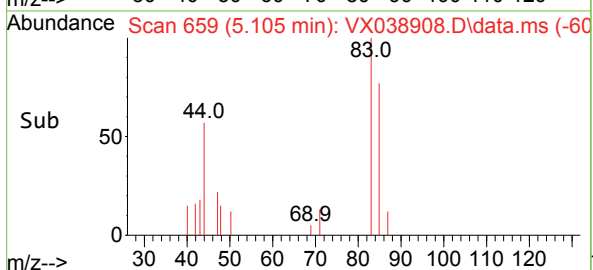
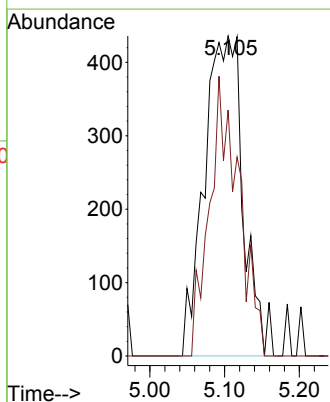
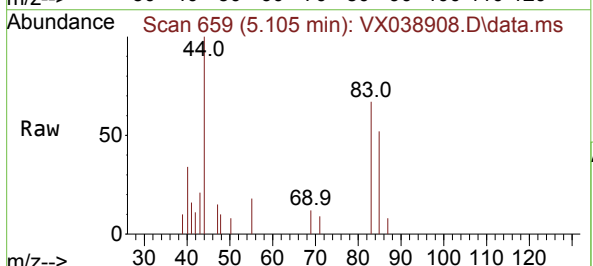
RT: 5.105 min Scan# 659

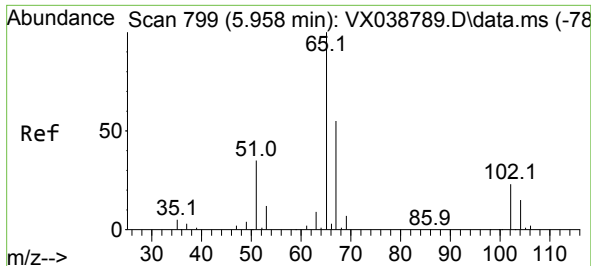
Delta R.T. 0.012 min

Lab File: VX038908.D

Acq: 18 Nov 2023 04:44

Tgt Ion:	83	Resp:	1585
Ion Ratio	Lower	Upper	
83	100		
85	76.8	50.3	75.5#

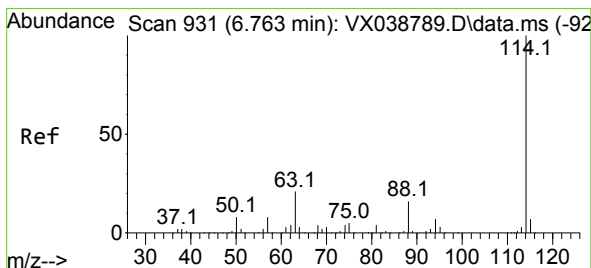
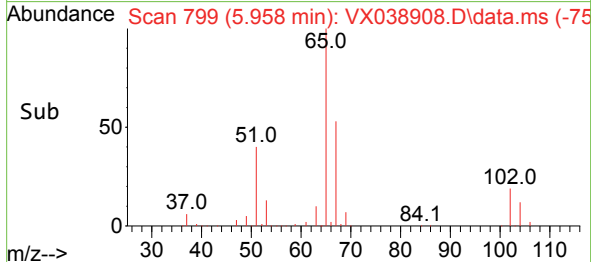
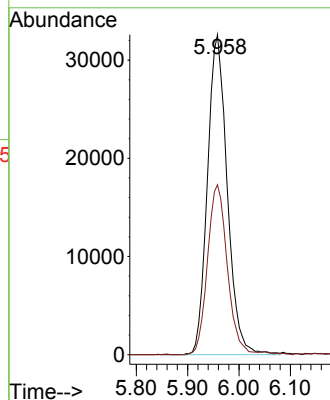
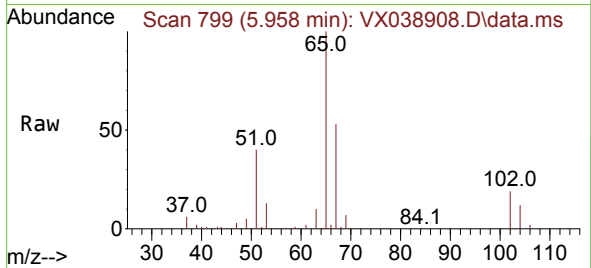




#33
 1,2-Dichloroethane-d4
 Concen: 49.012 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX038908.D
 Acq: 18 Nov 2023 04:44

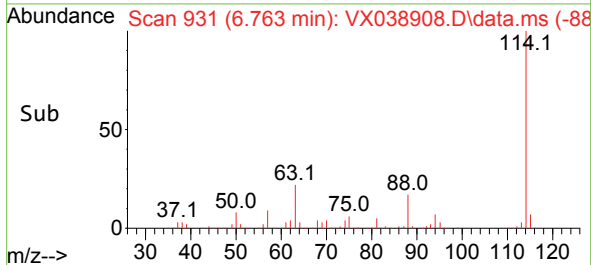
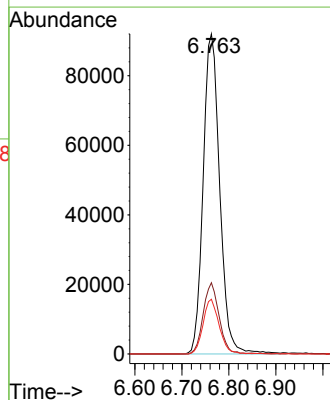
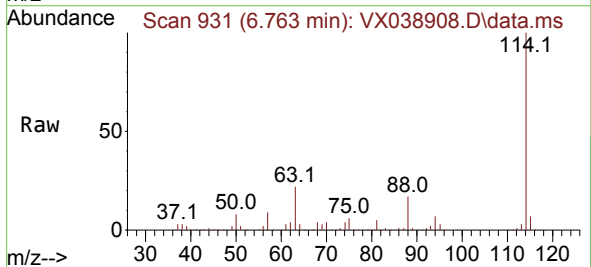
Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D2-20231109

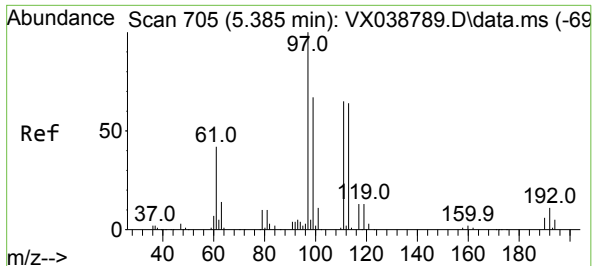
Tgt Ion: 65 Resp: 87121
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038908.D
 Acq: 18 Nov 2023 04:44

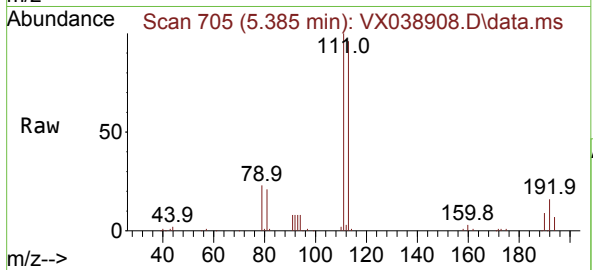
Tgt Ion:114 Resp: 224958
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 17.1 0.0 36.6



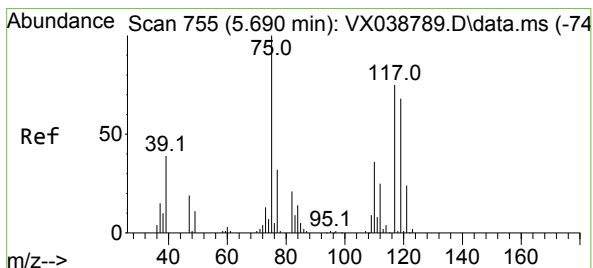
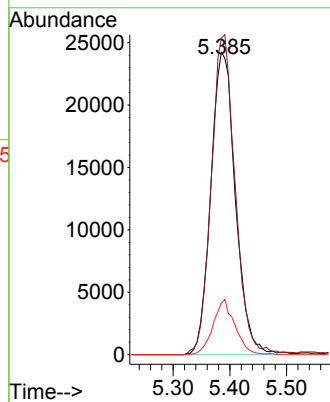
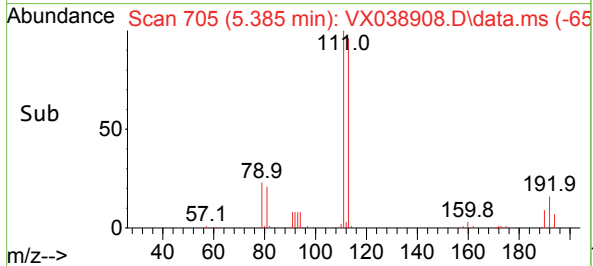


#35
Dibromofluoromethane
Concen: 44.813 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

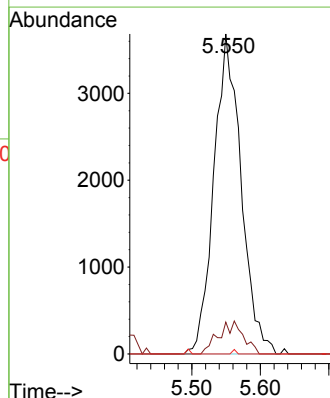
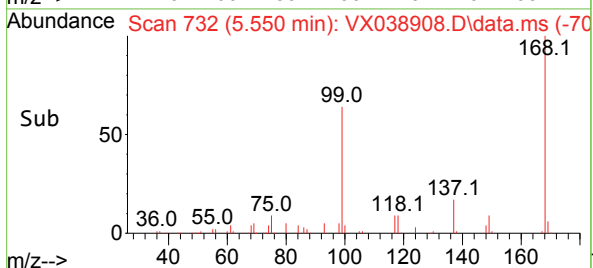
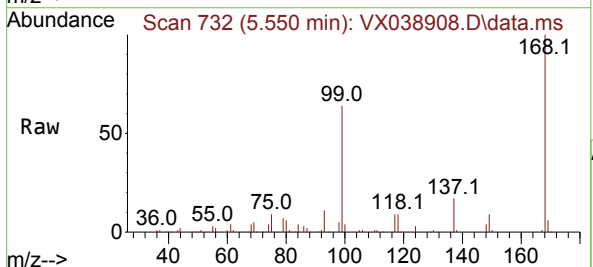


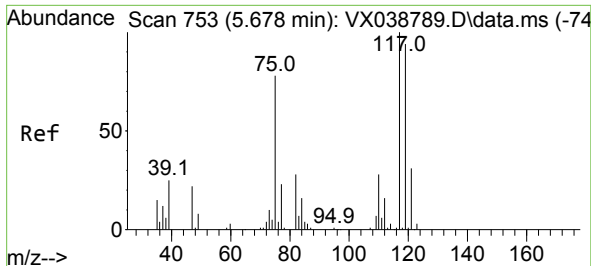
Tgt Ion:113 Resp: 72807
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.349 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 75 Resp: 10127
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.2 24.7 37.1#

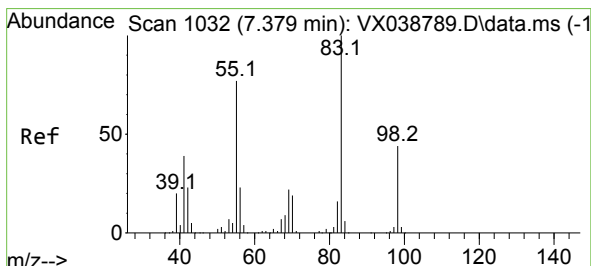
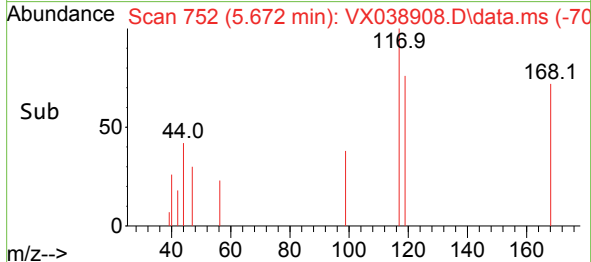
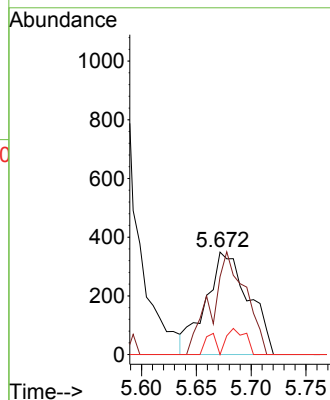
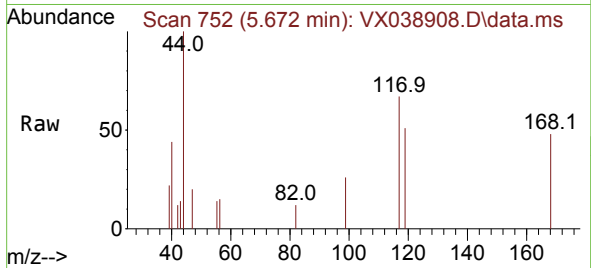




#38
Carbon Tetrachloride
Concen: 0.441 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

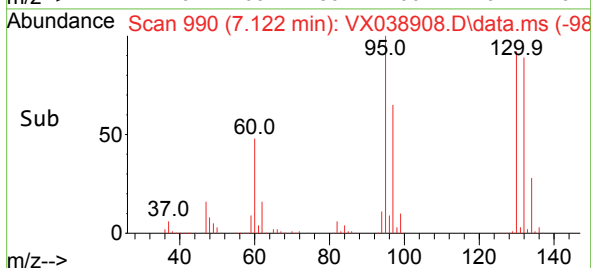
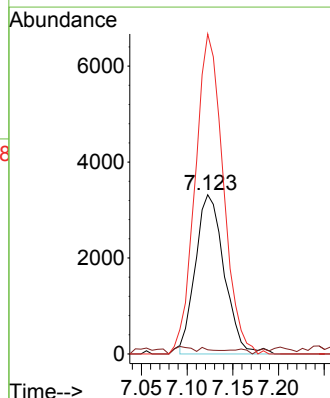
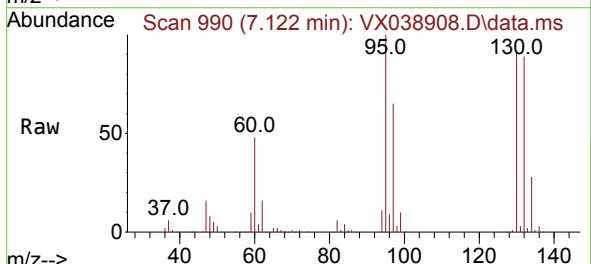
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

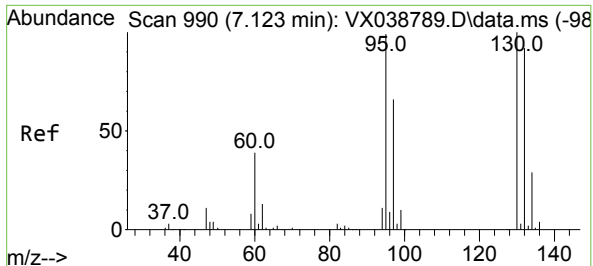
Tgt Ion:117 Resp: 949
Ion Ratio Lower Upper
117 100
119 75.9 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 2.395 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 83 Resp: 7273
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 201.0 36.7 55.1#

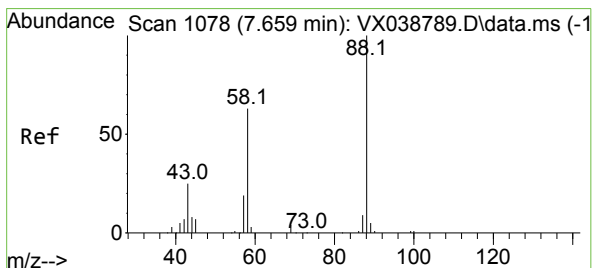
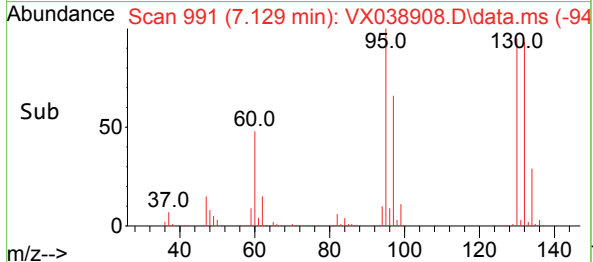
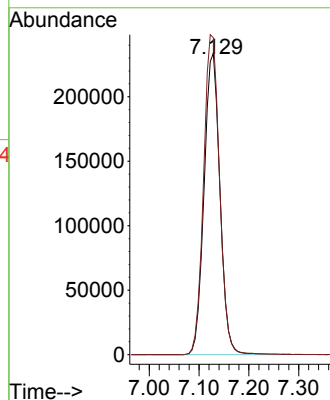
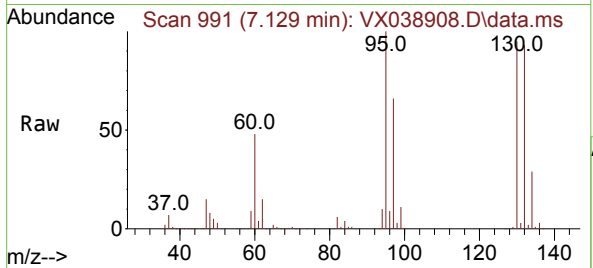




#44
Trichloroethene
Concen: 307.949 ug/l
RT: 7.129 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

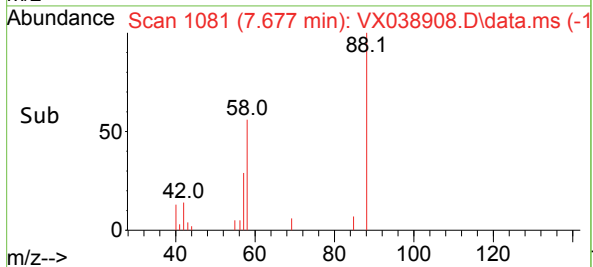
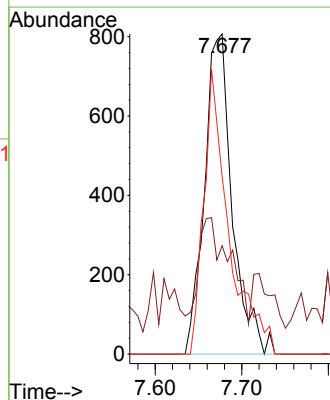
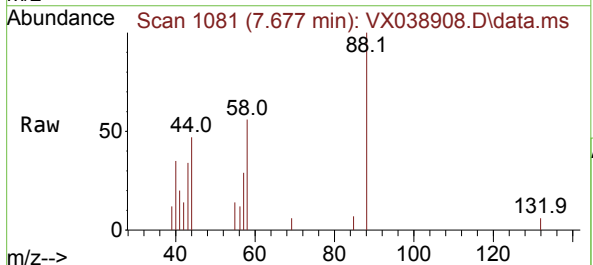
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

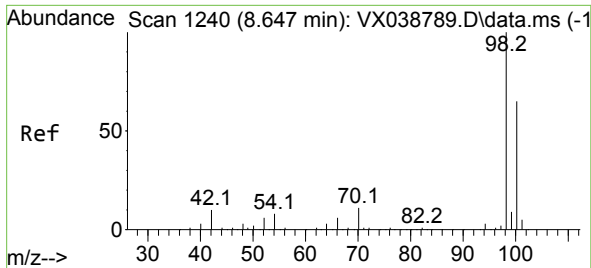
Tgt Ion:130 Resp: 516248
Ion Ratio Lower Upper
130 100
95 105.1 0.0 204.4



#49
1,4-Dioxane
Concen: 39.574 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 88 Resp: 1801
Ion Ratio Lower Upper
88 100
43 36.1 0.0 0.0#
58 80.1 60.1 90.1

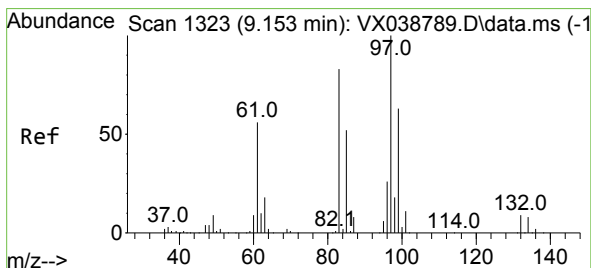
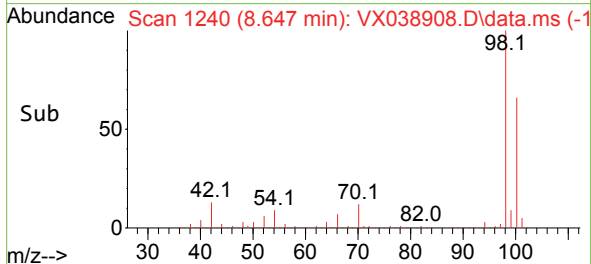
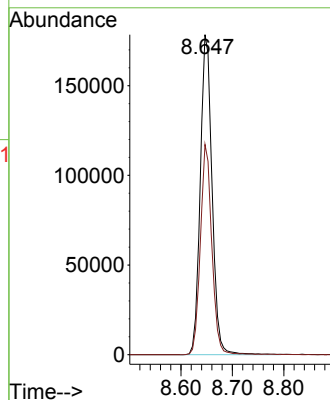
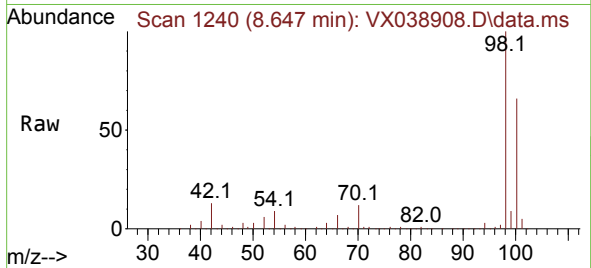




#50
Toluene-d8
Concen: 45.555 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

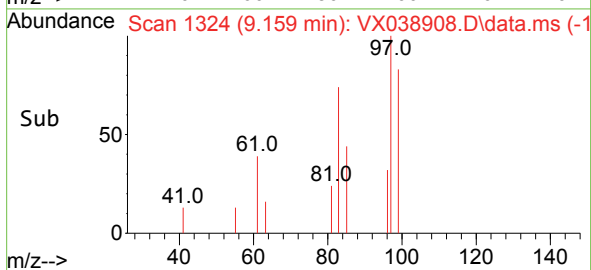
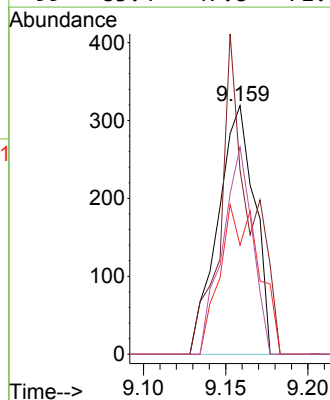
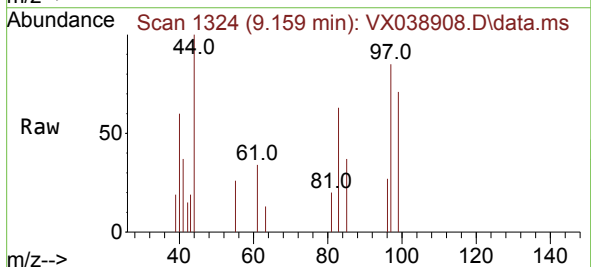
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

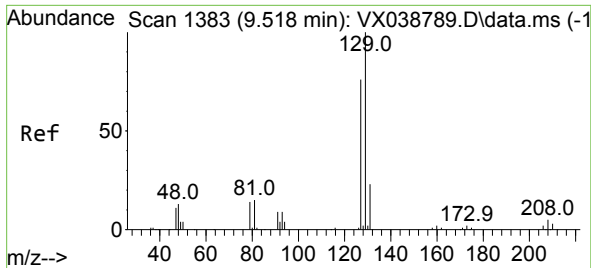
Tgt Ion: 98 Resp: 283181
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.278 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 97 Resp: 496
Ion Ratio Lower Upper
97 100
83 74.0 65.8 98.8
85 43.9 41.6 62.4
99 83.4 47.8 71.8#

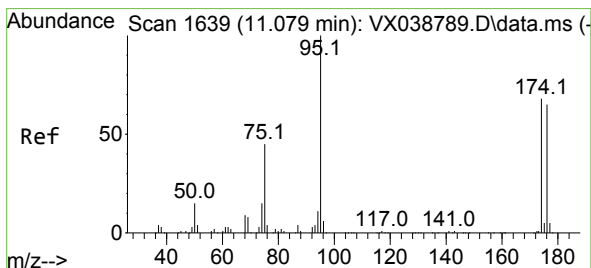
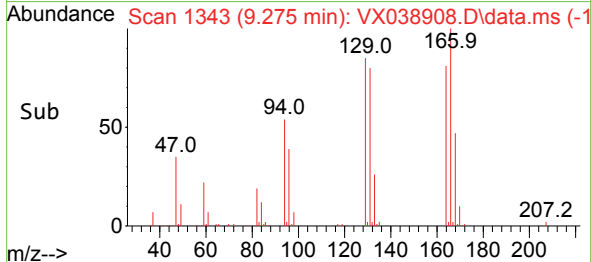
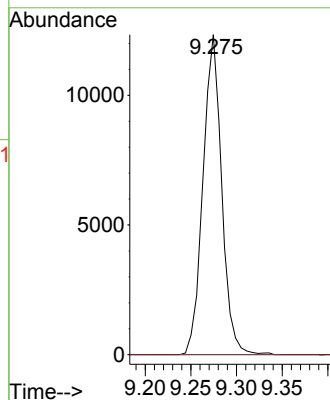
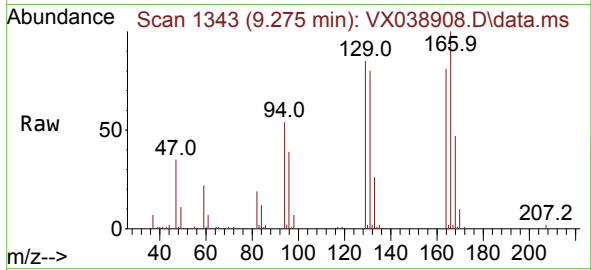




#60
Dibromochloromethane
Concen: 9.662 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

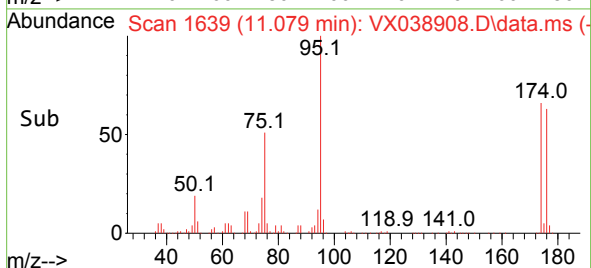
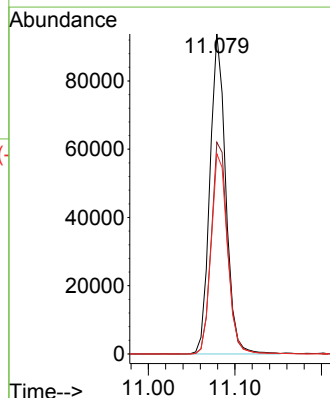
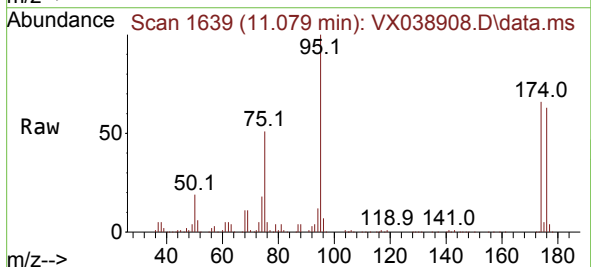
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

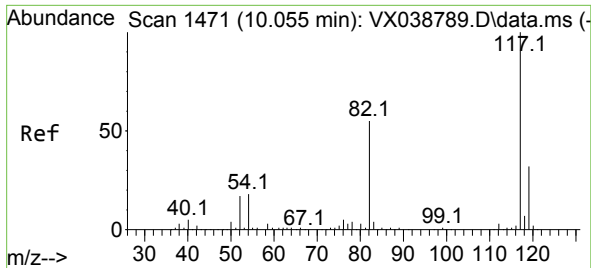
Tgt Ion:129 Resp: 17520
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 47.764 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion: 95 Resp: 118856
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.6
176 64.9 0.0 131.0

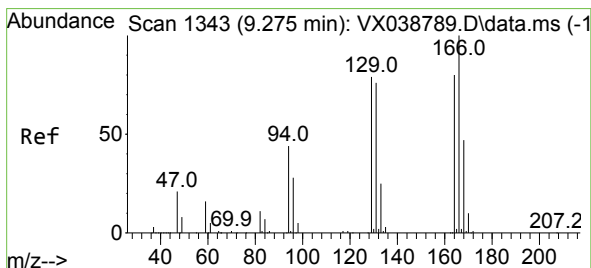
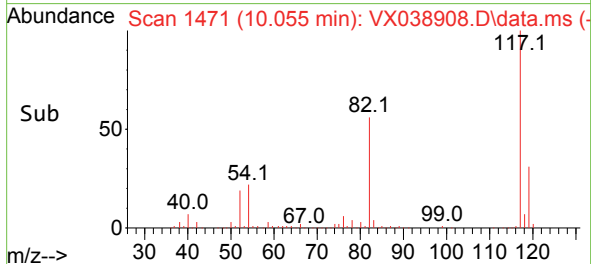
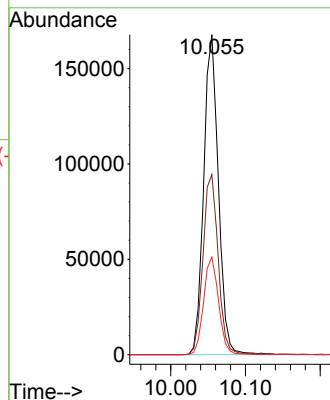
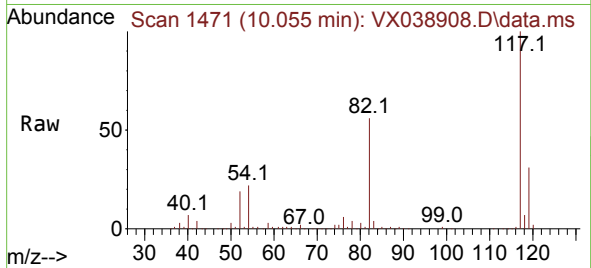




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

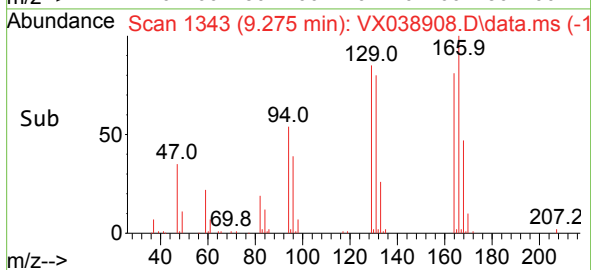
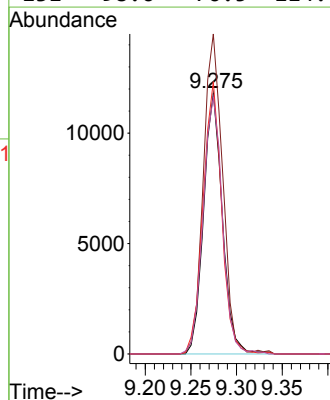
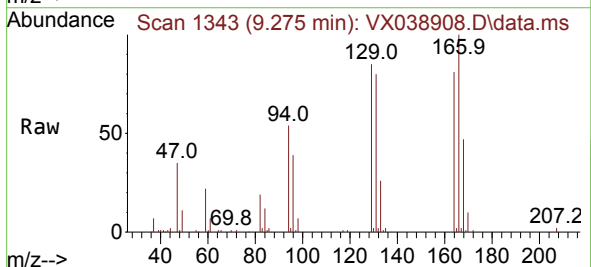
Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

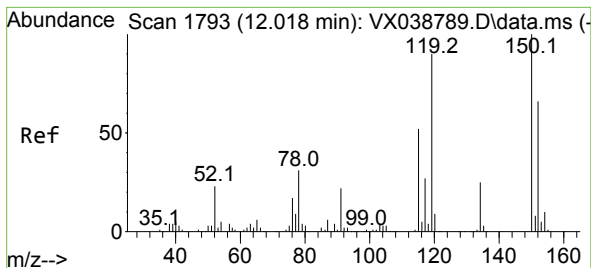
Tgt Ion:117 Resp: 229066
Ion Ratio Lower Upper
117 100
82 56.3 46.2 69.4
119 30.5 25.5 38.3



#64
Tetrachloroethene
Concen: 11.843 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Tgt Ion:164 Resp: 16862
Ion Ratio Lower Upper
164 100
166 122.8 102.7 154.1
129 104.5 80.4 120.6
131 98.6 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038908.D

Acq: 18 Nov 2023 04:44

Instrument :

MSVOA_X

ClientSampleId :

RE125D2-20231109

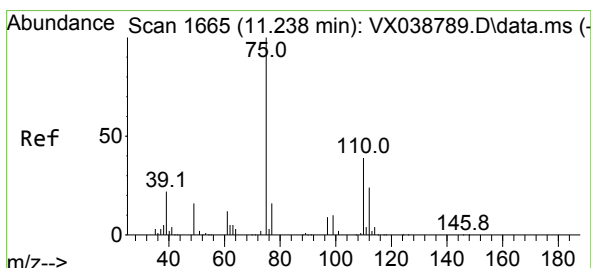
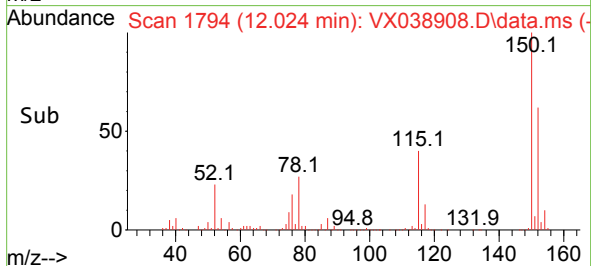
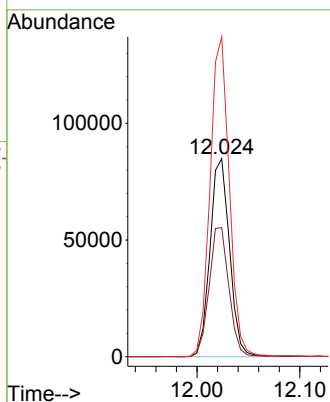
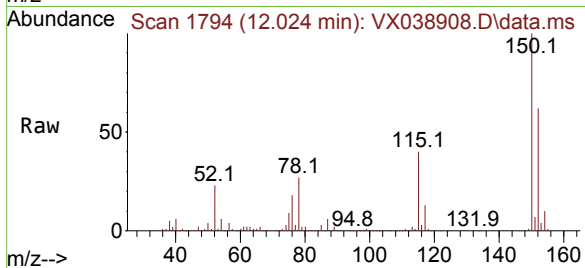
Tgt Ion:152 Resp: 111690

Ion Ratio Lower Upper

152 100

115 66.3 43.3 129.9

150 159.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.197 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038908.D

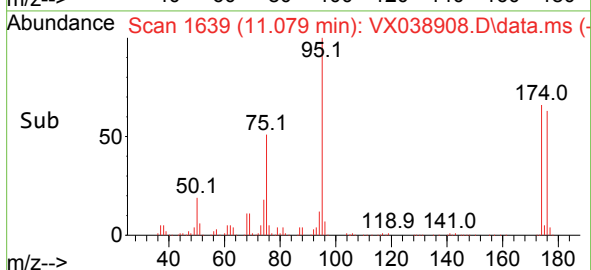
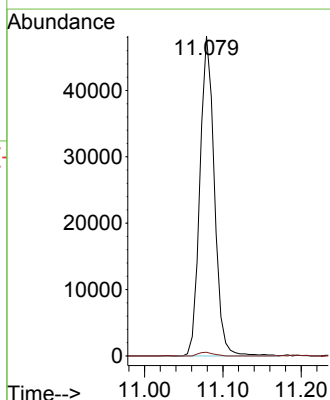
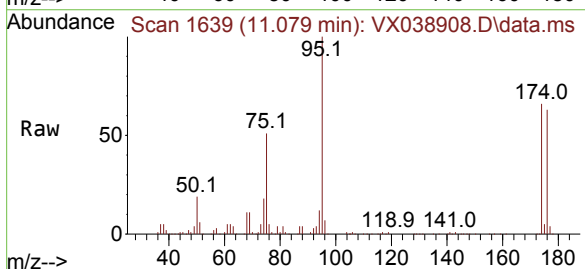
Acq: 18 Nov 2023 04:44

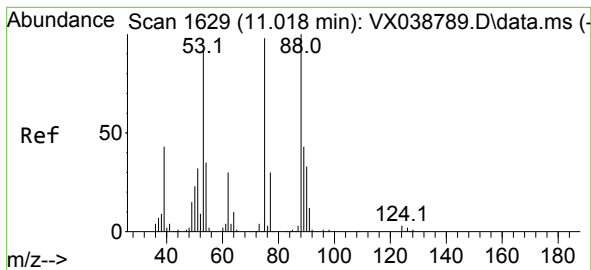
Tgt Ion: 75 Resp: 61854

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 49.234 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038908.D
Acq: 18 Nov 2023 04:44

Instrument :
MSVOA_X
ClientSampleId :
RE125D2-20231109

Tgt Ion: 75 Resp: 61854
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

