

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013803.D
 Acq On : 18 May 2023 16:28
 Operator : KP/MD
 Sample : 02723-07
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-30.5-050923-FD

Quant Time: May 19 03:22:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

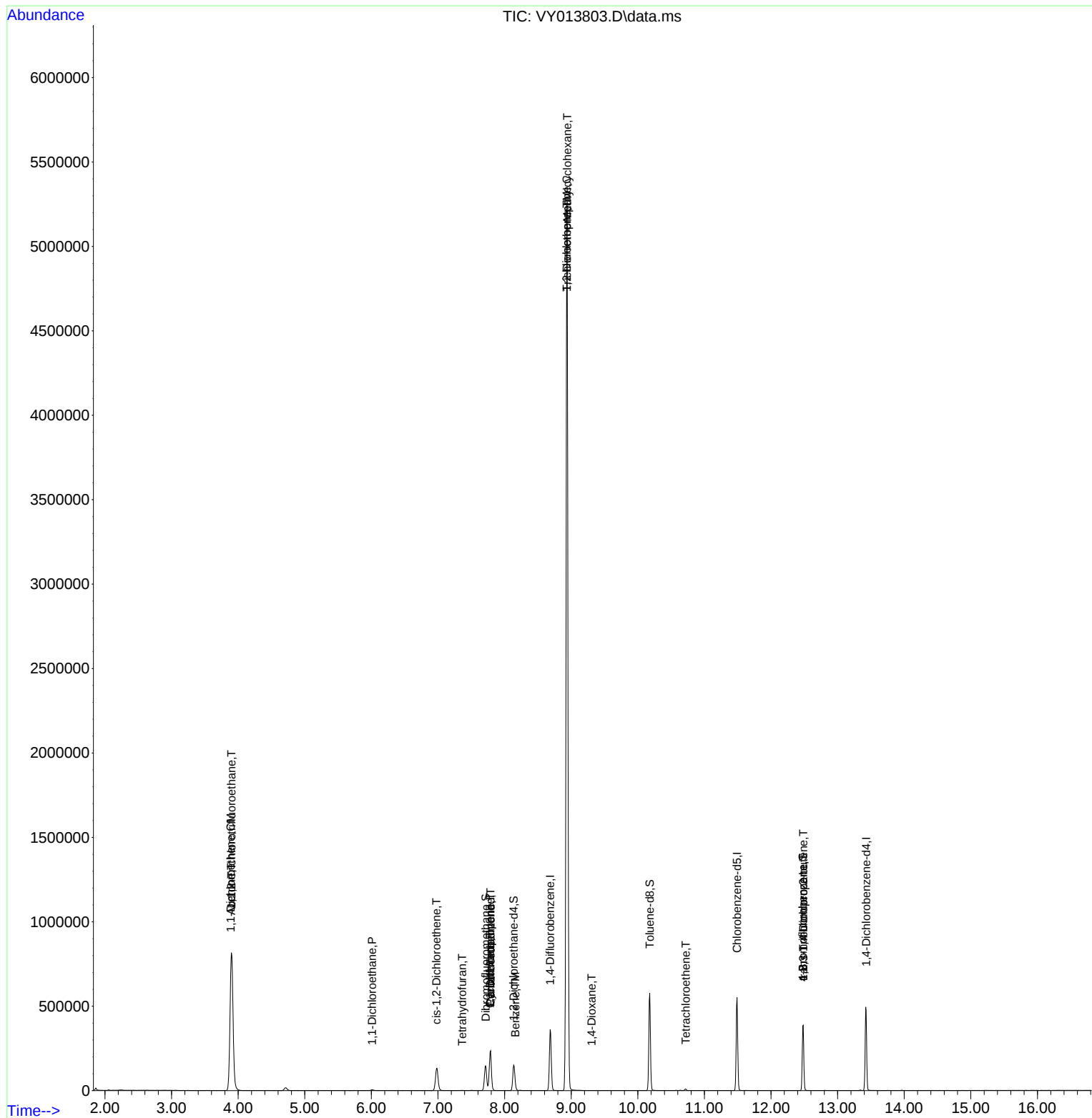
Internal Standards						
1) Pentafluorobenzene	7.789	168	179277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119896	57.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.140%			
35) Dibromofluoromethane	7.716	113	102023	53.008	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.179	98	368116	50.449	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.900%			
62) 4-Bromofluorobenzene	12.477	95	113954	47.018	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.040%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	3.899	101	516202	311.004	ug/l	97
12) 1,1-Dichloroethene	3.887	96	5044	3.353	ug/l #	67
16) Acetone	3.893	43	8605	13.695	ug/l #	68
24) 1,1-Dichloroethane	6.009	63	6586	1.911	ug/l #	93
27) cis-1,2-Dichloroethene	6.978	96	84686	42.425	ug/l	86
29) Tetrahydrofuran	7.362	42	802	1.641	ug/l #	82
31) Cyclohexane	7.783	56	4050	1.356	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13690	5.148	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17942	6.395	ug/l #	15
39) Methylcyclohexane	8.941	83	21698	7.179	ug/l #	1
40) Benzene	8.161	78	8678	1.123	ug/l #	88
44) Trichloroethene	8.935	130	1736222	859.429	ug/l	95
45) 1,2-Dichloropropane	8.935	63	4897	2.306	ug/l #	1
49) 1,4-Dioxane	9.307	88	64	4.385	ug/l #	45
64) Tetrachloroethene	10.721	164	1900	1.049	ug/l	89
76) 1,2,3-Trichloropropane	12.483	75	61438	40.281	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61438	89.680	ug/l #	12

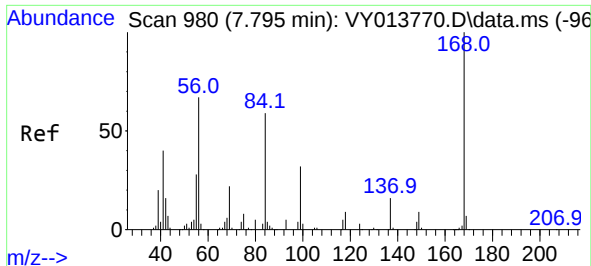
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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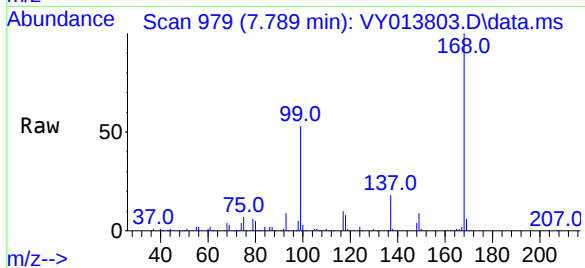
Quant Time: May 19 03:22:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
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QLast Update : Thu May 18 06:54:18 2023
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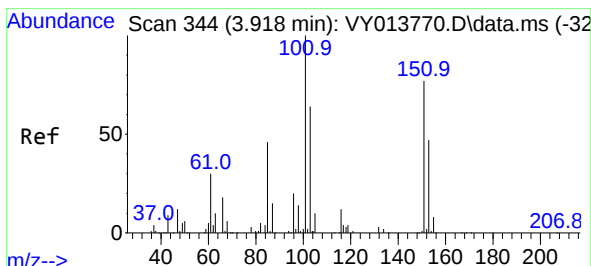
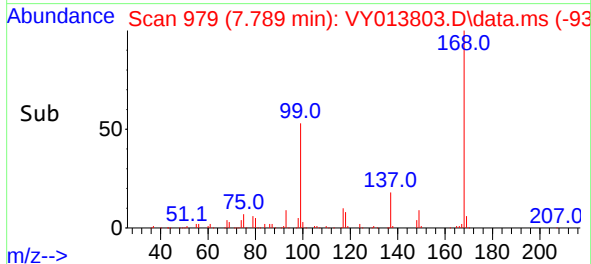
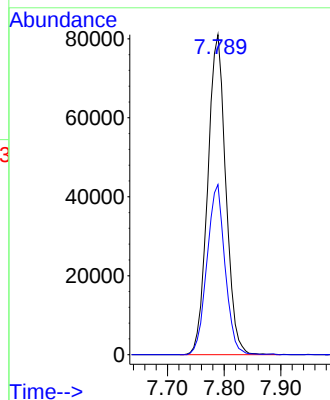


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

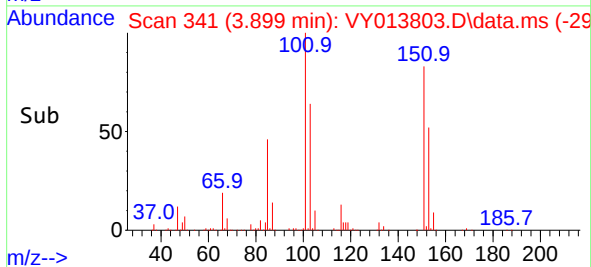
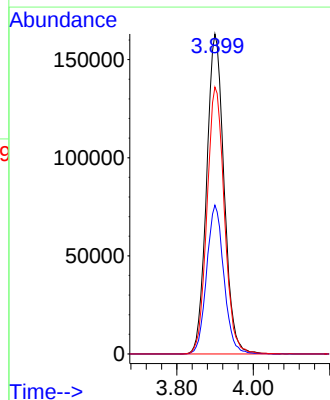
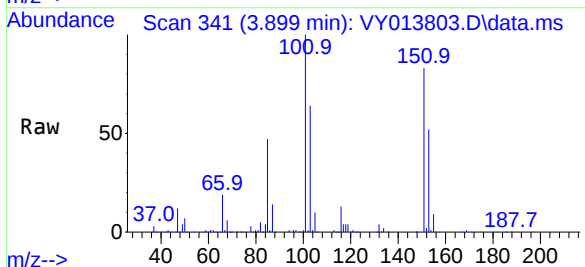


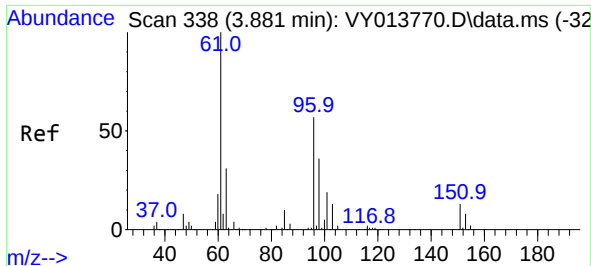
Tgt Ion:168 Resp: 179277
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 311.004 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.018 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion:101 Resp: 516202
Ion Ratio Lower Upper
101 100
85 46.0 37.8 56.8
151 83.3 64.2 96.2

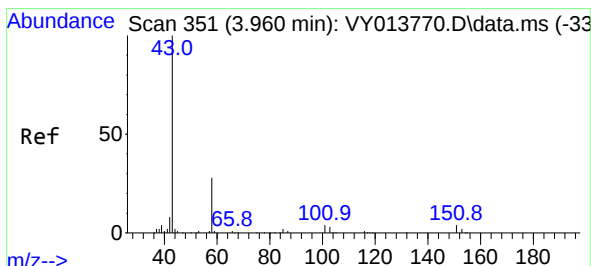
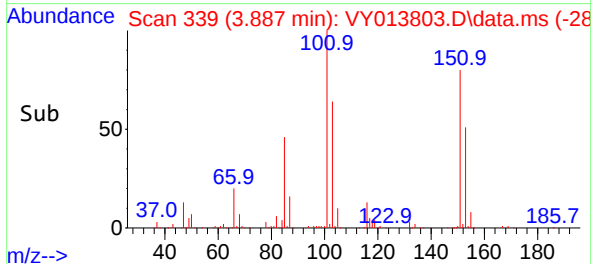
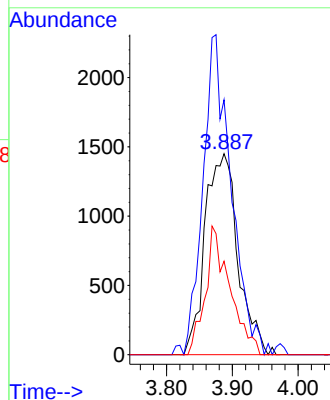
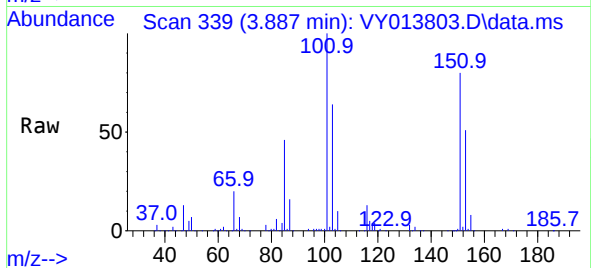




#12
1,1-Dichloroethene
Concen: 3.353 ug/l
RT: 3.887 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

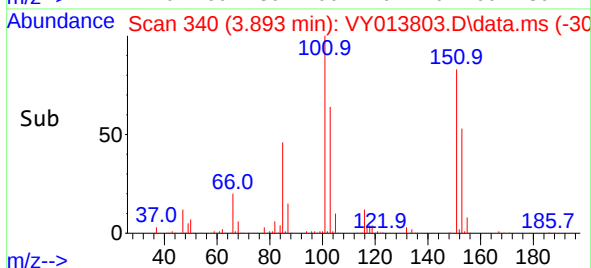
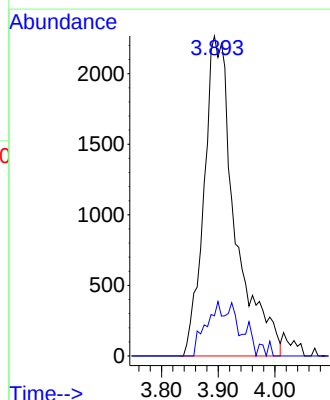
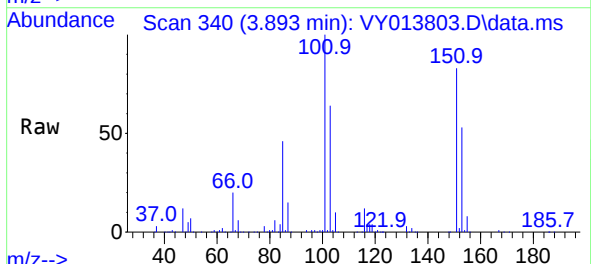
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

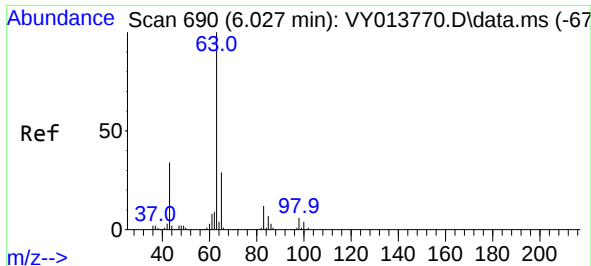
Tgt Ion: 96 Resp: 5044
Ion Ratio Lower Upper
96 100
61 122.1 139.8 209.6#
98 46.5 49.7 74.5#



#16
Acetone
Concen: 13.695 ug/l
RT: 3.893 min Scan# 340
Delta R.T. -0.067 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion: 43 Resp: 8605
Ion Ratio Lower Upper
43 100
58 12.5 23.7 35.5#

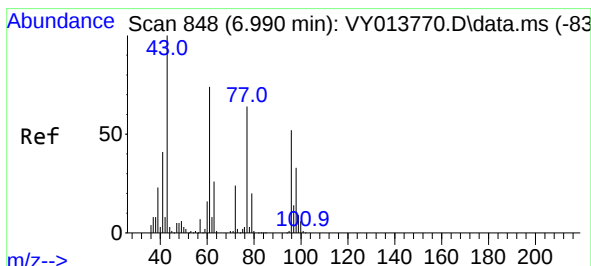
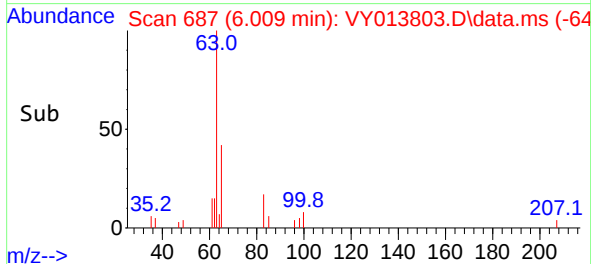
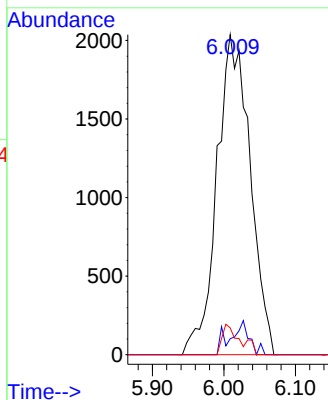
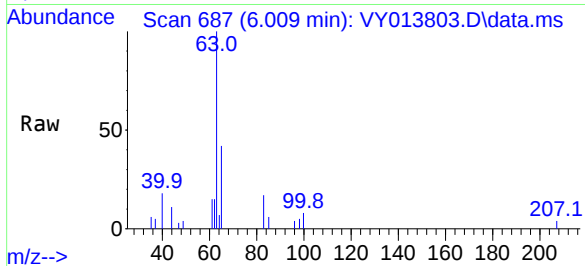




#24
1,1-Dichloroethane
Concen: 1.911 ug/l
RT: 6.009 min Scan# 61
Delta R.T. -0.018 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

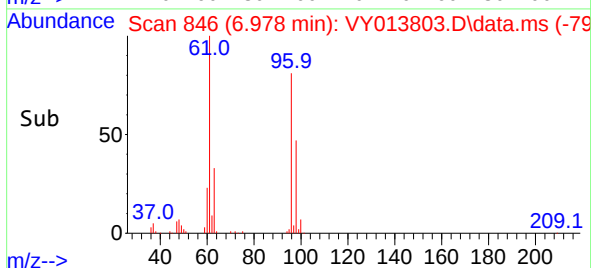
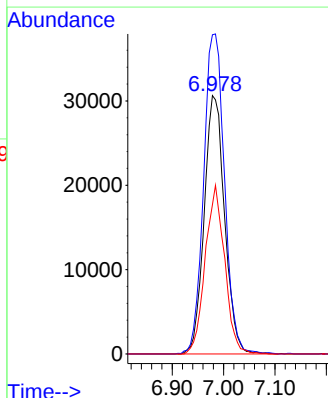
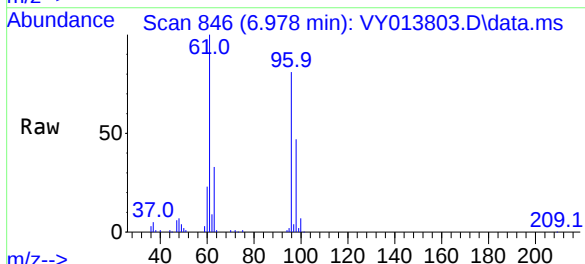
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

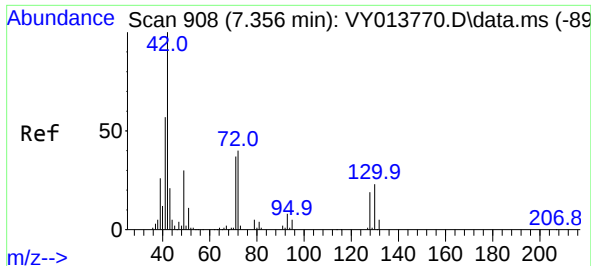
Tgt Ion: 63 Resp: 6586
Ion Ratio Lower Upper
63 100
98 5.0 3.0 9.0
100 8.3 2.0 6.0#



#27
cis-1,2-Dichloroethene
Concen: 42.425 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion: 96 Resp: 84686
Ion Ratio Lower Upper
96 100
61 126.3 0.0 300.6
98 62.3 0.0 127.8





#29

Tetrahydrofuran

Concen: 1.641 ug/l

RT: 7.362 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY013803.D

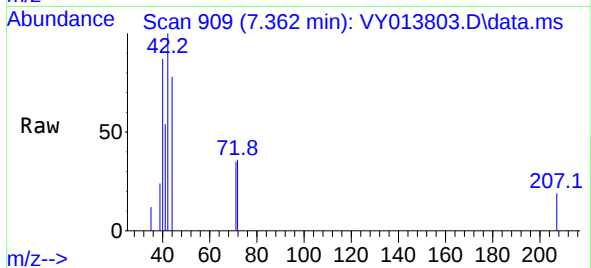
Acq: 18 May 2023 16:28

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-30.5-050923-FD



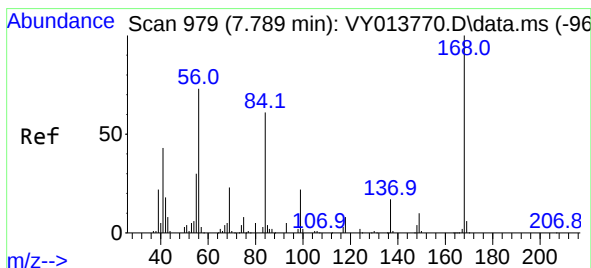
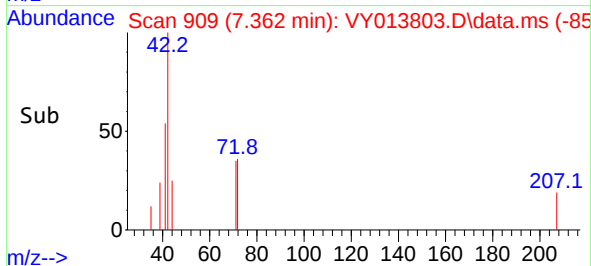
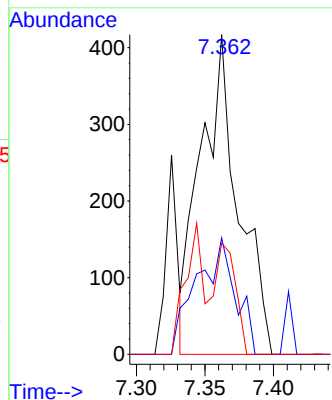
Tgt Ion: 42 Resp: 802

Ion Ratio Lower Upper

42 100

72 37.4 30.7 46.1

71 15.8 29.0 43.6#



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013803.D

Acq: 18 May 2023 16:28

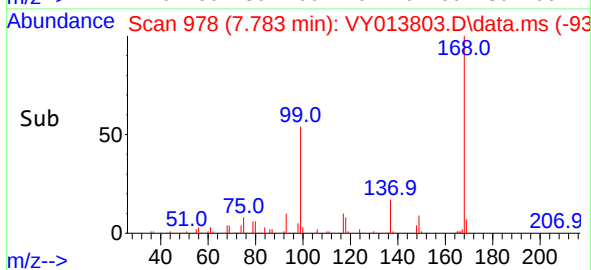
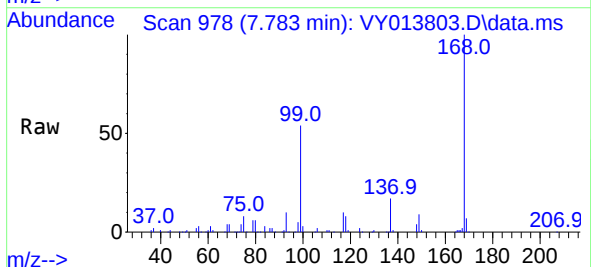
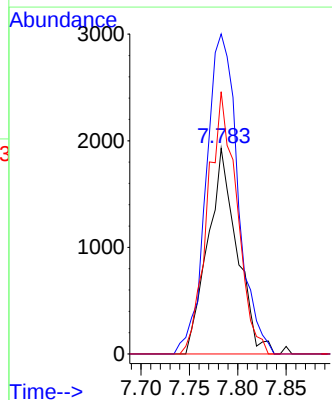
Tgt Ion: 56 Resp: 4050

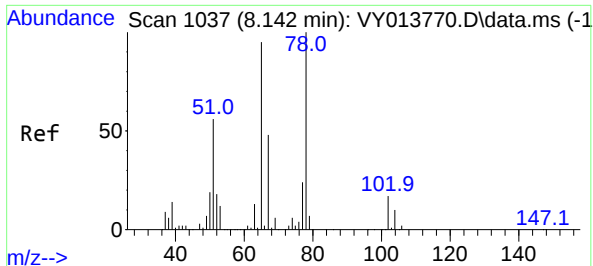
Ion Ratio Lower Upper

56 100

69 155.6 25.8 38.6#

84 127.5 65.8 98.6#

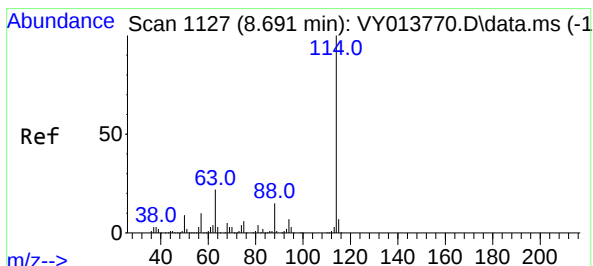
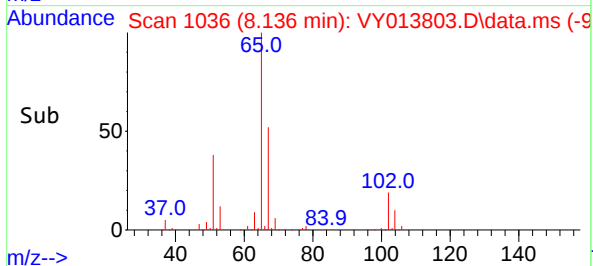
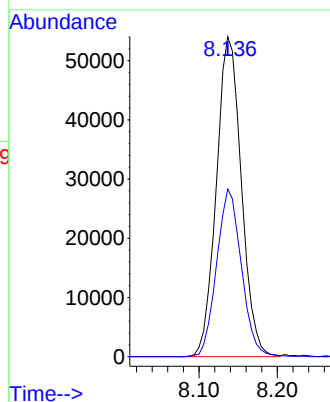
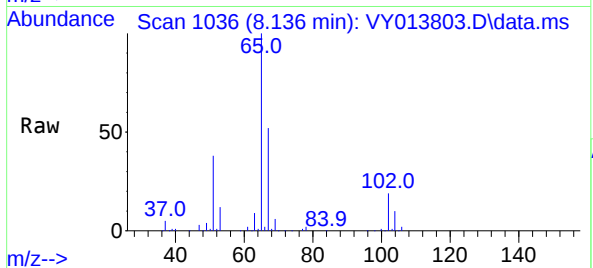




#33
1,2-Dichloroethane-d4
Concen: 57.570 ug/l
RT: 8.136 min Scan# 110
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

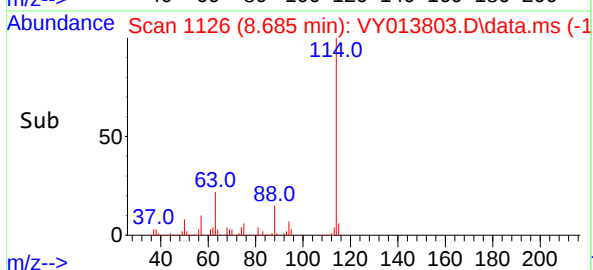
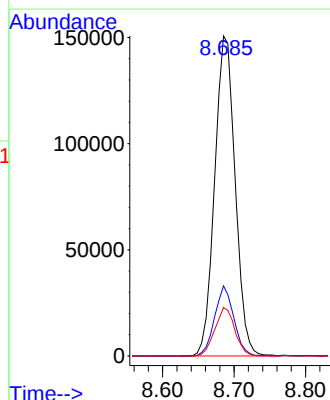
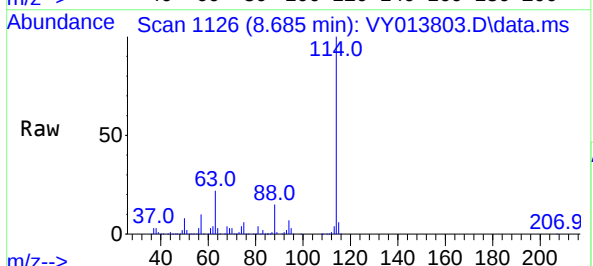
Instrument : MSVOA_Y
ClientSampleId : CB-14-G1-SO-30.5-050923-FD

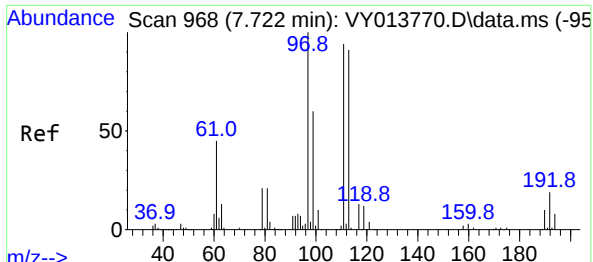
Tgt Ion: 65 Resp: 119896
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

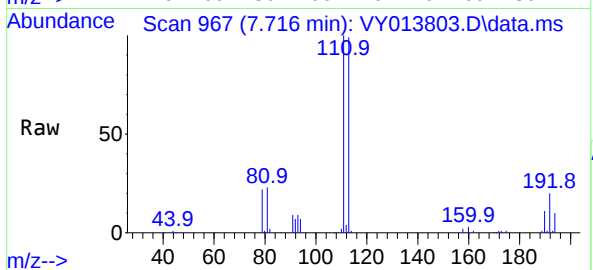
Tgt Ion:114 Resp: 300142
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.8
88 15.2 0.0 30.8



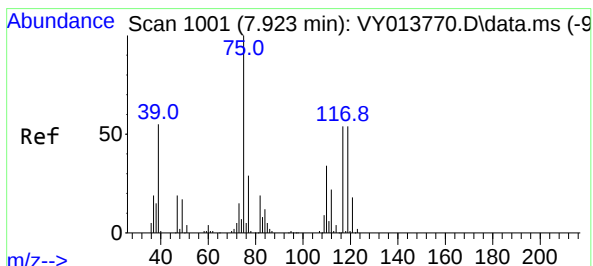
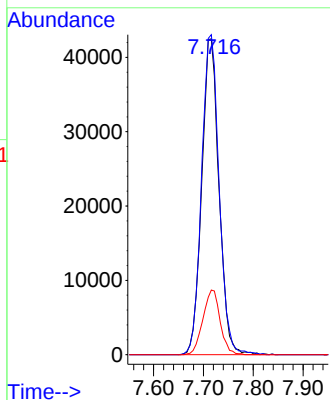
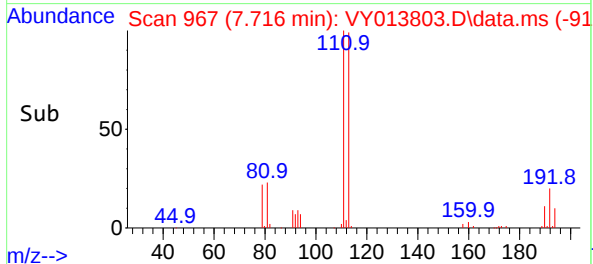


#35
Dibromofluoromethane
Concen: 53.008 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

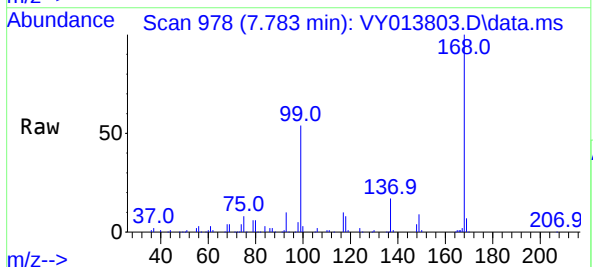
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MSVOA_Y
ClientSampleId :
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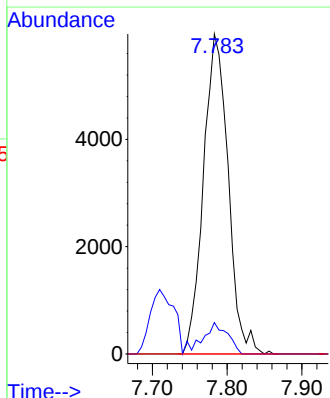
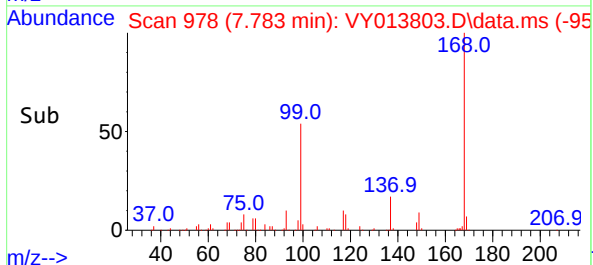
Tgt Ion:113 Resp: 102023
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 20.4 16.0 24.0

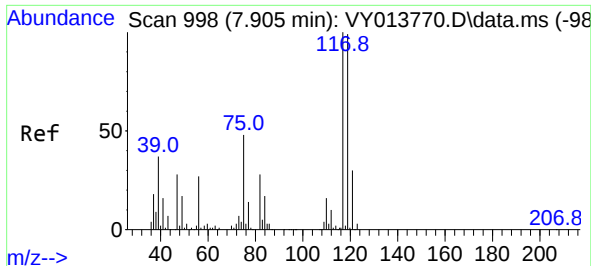


#36
1,1-Dichloropropene
Concen: 5.148 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28



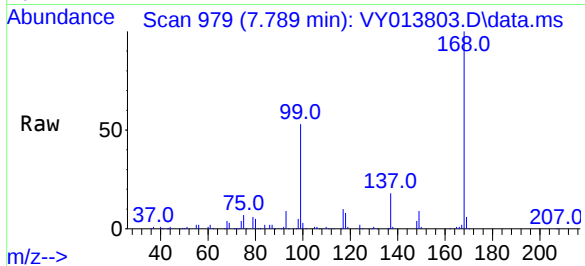
Tgt Ion: 75 Resp: 13690
Ion Ratio Lower Upper
75 100
110 9.1 17.3 51.7#
77 0.0 24.6 36.8#



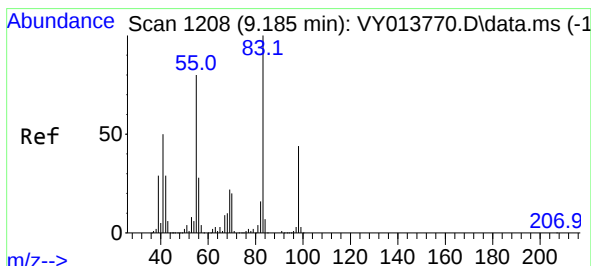
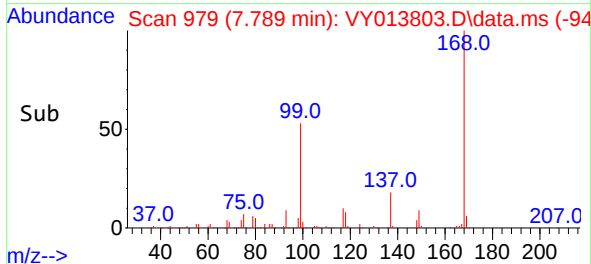
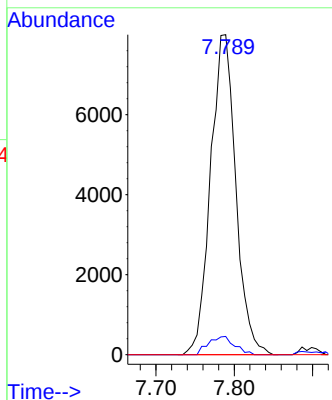


#38
Carbon Tetrachloride
Concen: 6.395 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Instrument :
MSVOA_Y
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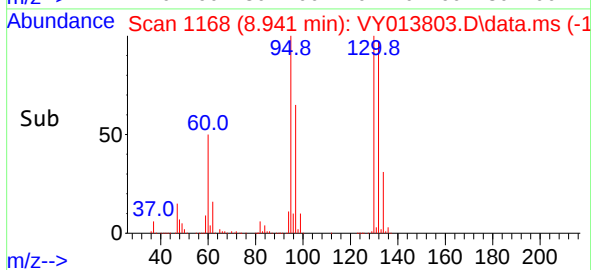
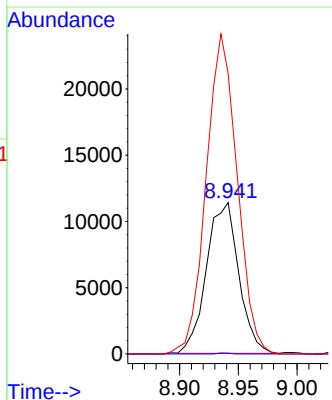
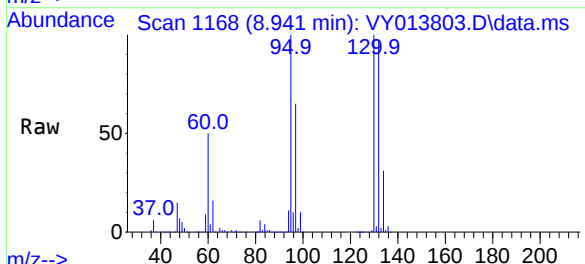


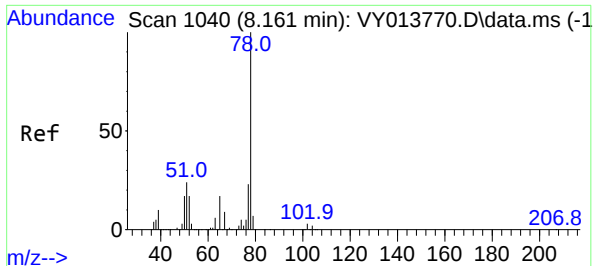
Tgt Ion:117 Resp: 17942
Ion Ratio Lower Upper
117 100
119 5.7 79.0 118.6#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 7.179 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.244 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion: 83 Resp: 21698
Ion Ratio Lower Upper
83 100
55 0.5 63.7 95.5#
98 186.3 35.0 52.6#

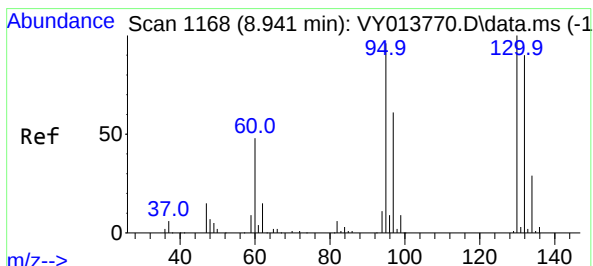
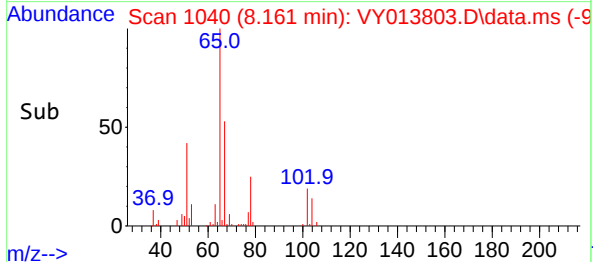
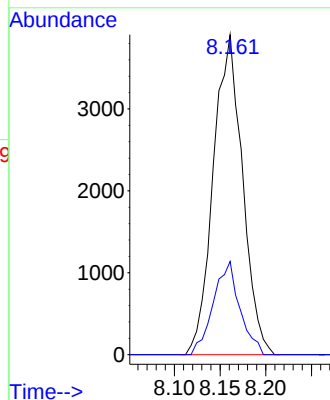
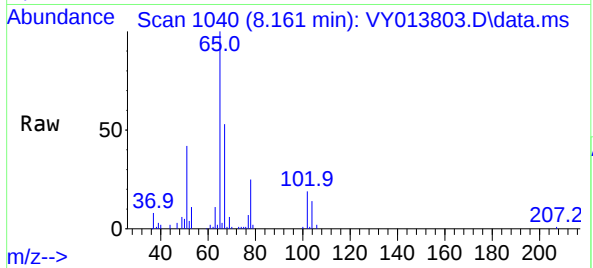




#40
Benzene
Concen: 1.123 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

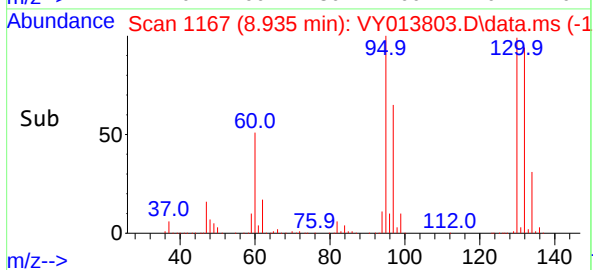
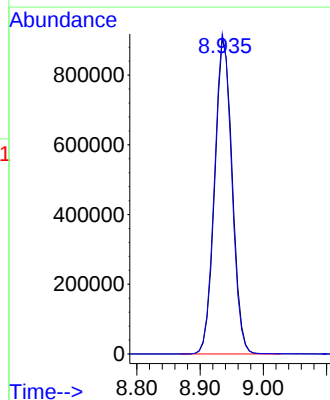
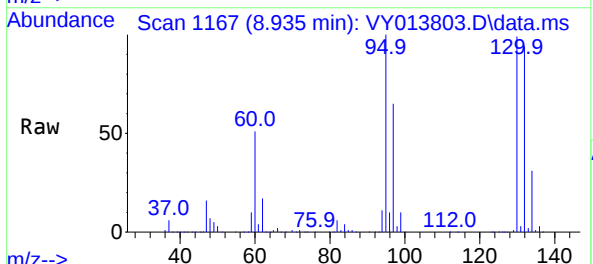
Instrument : MSVOA_Y
ClientSampleId : CB-14-G1-SO-30.5-050923-FD

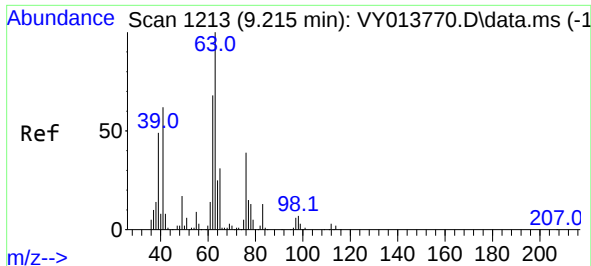
Tgt Ion: 78 Resp: 8678
Ion Ratio Lower Upper
78 100
77 29.2 18.6 27.8#



#44
Trichloroethene
Concen: 859.429 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion:130 Resp: 1736222
Ion Ratio Lower Upper
130 100
95 101.4 0.0 193.0

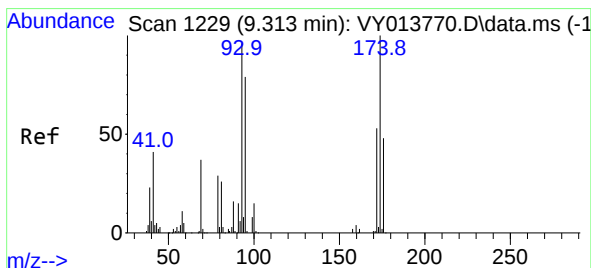
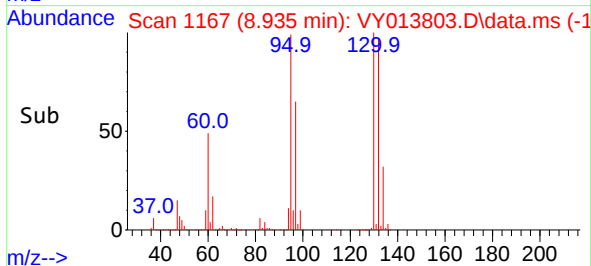
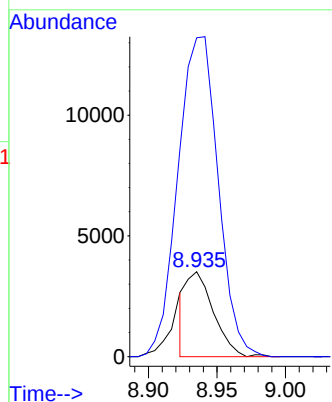
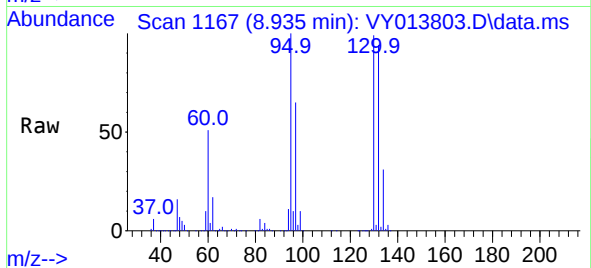




#45
1,2-Dichloropropane
Concen: 2.306 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.280 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

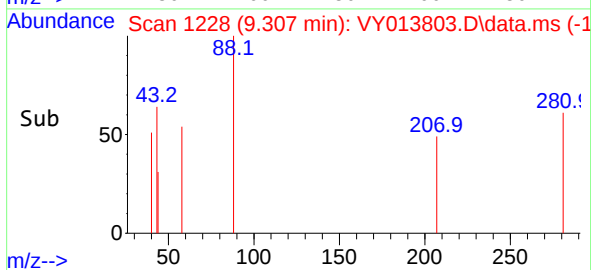
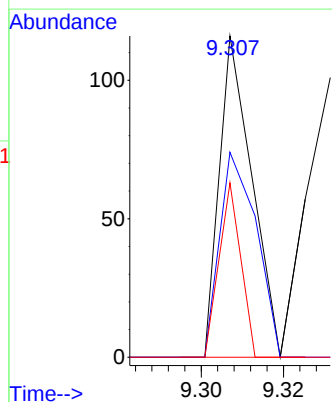
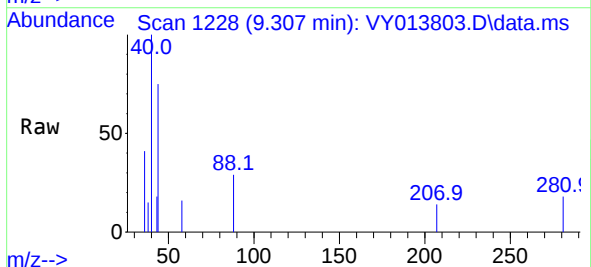
Instrument : MSVOA_Y
ClientSampleId : CB-14-G1-SO-30.5-050923-FD

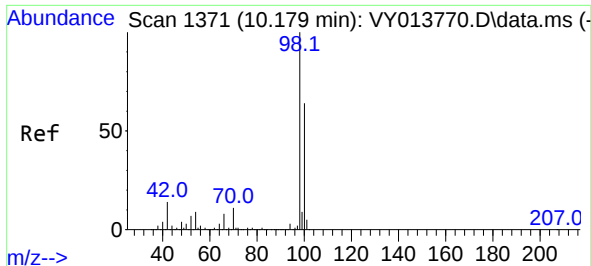
Tgt Ion: 63 Resp: 4897
Ion Ratio Lower Upper
63 100
65 375.6 24.9 37.3#



#49
1,4-Dioxane
Concen: 4.385 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 71.9 26.1 39.1#
58 35.9 62.2 93.2#

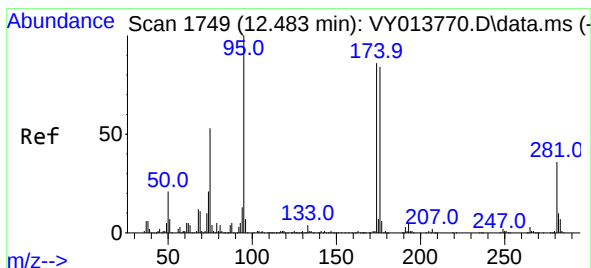
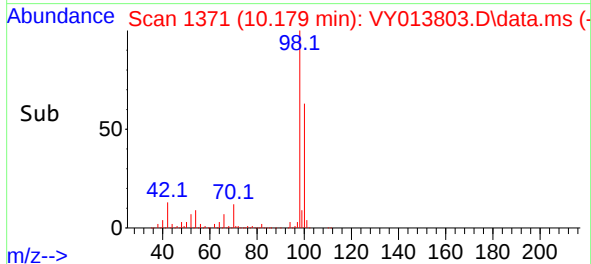
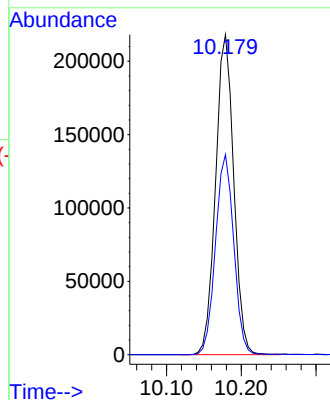
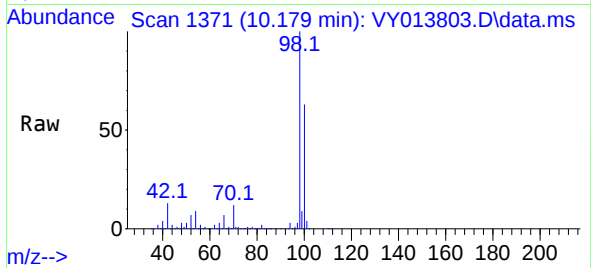




#50
Toluene-d8
Concen: 50.449 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

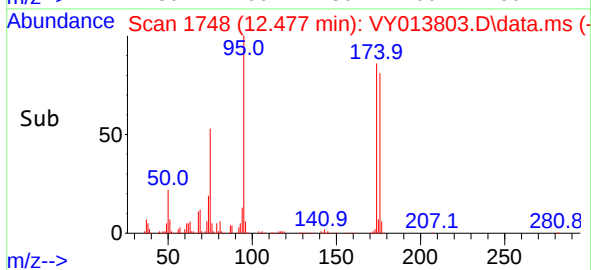
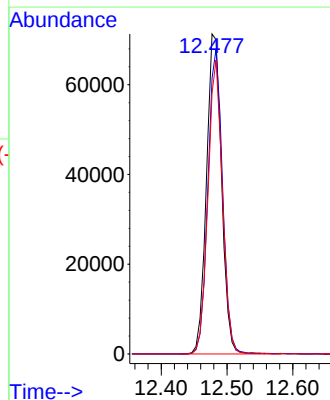
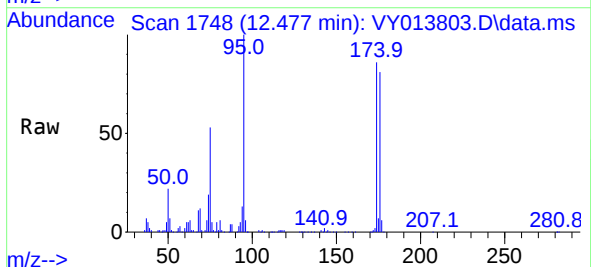
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

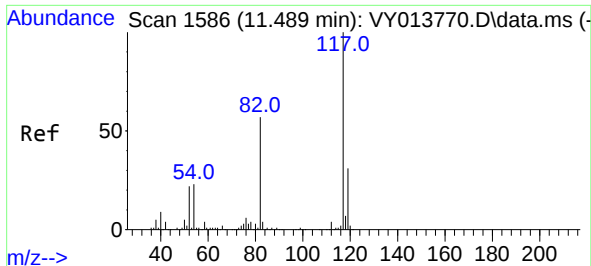
Tgt Ion: 98 Resp: 368116
Ion Ratio Lower Upper
98 100
100 62.9 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 47.018 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

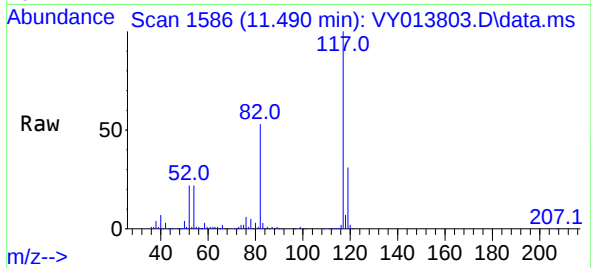
Tgt Ion: 95 Resp: 113954
Ion Ratio Lower Upper
95 100
174 92.4 0.0 168.8
176 88.0 0.0 165.2



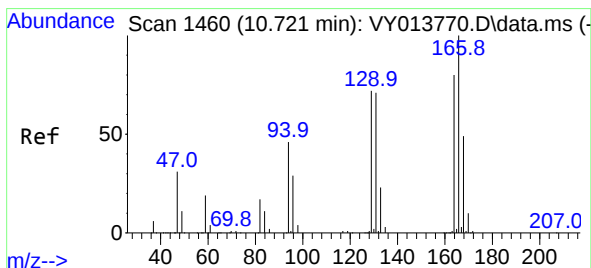
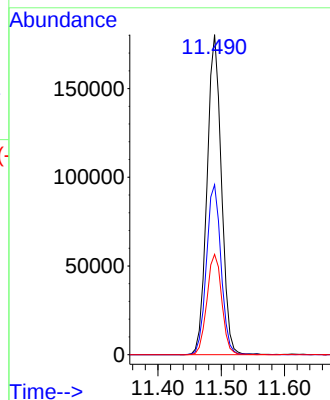
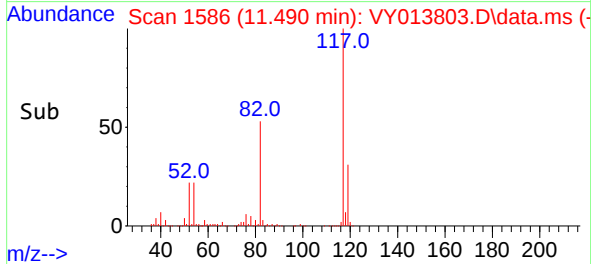


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

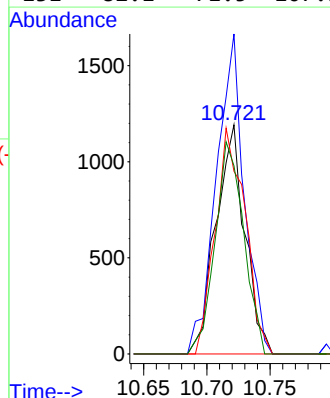
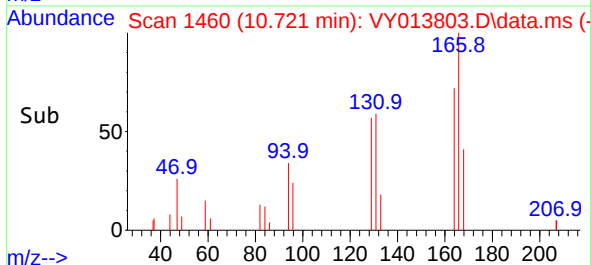
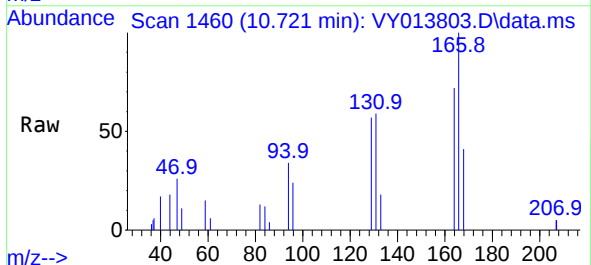


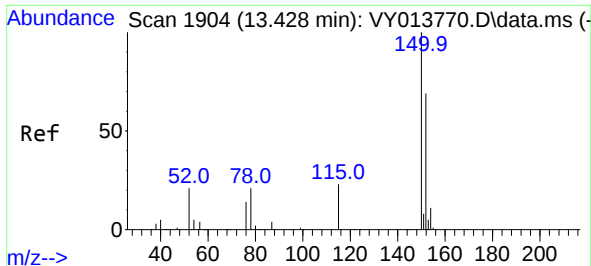
Tgt Ion:117 Resp: 285639
Ion Ratio Lower Upper
117 100
82 53.1 45.5 68.3
119 31.3 24.8 37.2



#64
Tetrachloroethene
Concen: 1.049 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

Tgt Ion:164 Resp: 1900
Ion Ratio Lower Upper
164 100
166 139.7 100.5 150.7
129 79.8 72.5 108.7
131 82.1 71.5 107.3

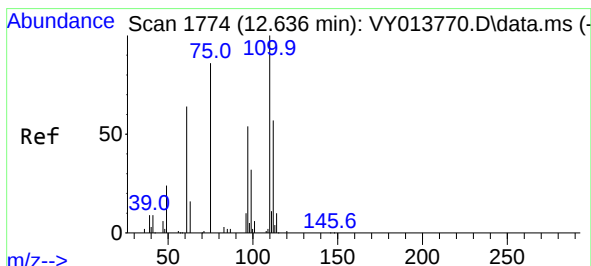
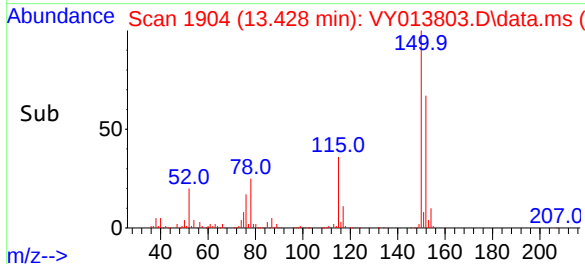
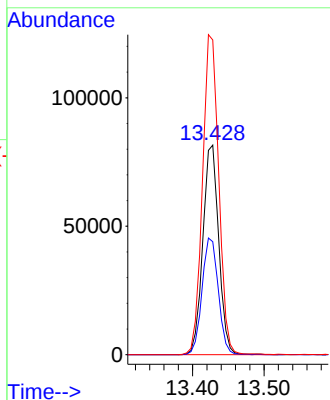
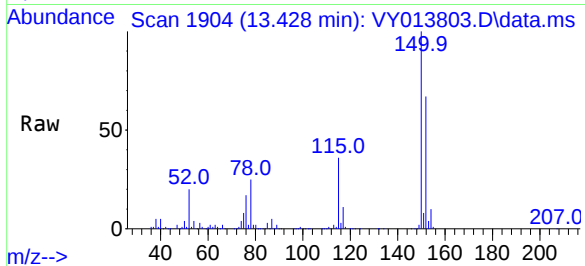




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

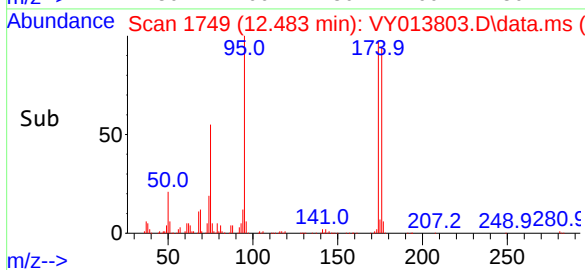
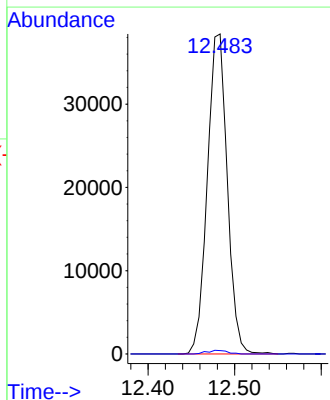
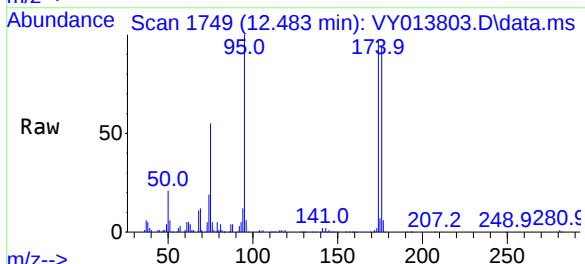
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-30.5-050923-FD

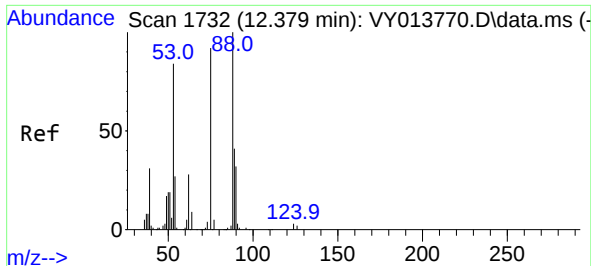
Tgt Ion:152 Resp: 126025
Ion Ratio Lower Upper
152 100
115 56.8 28.5 85.5
150 156.1 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 40.281 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013803.D
Acq: 18 May 2023 16:28

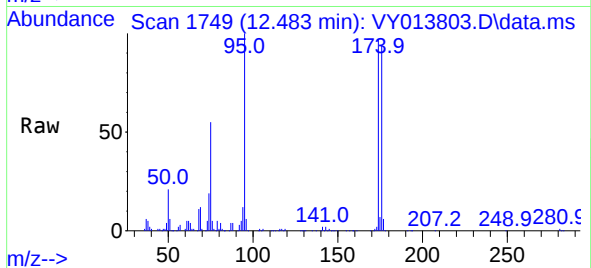
Tgt Ion: 75 Resp: 61438
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.680 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013803.D
 Acq: 18 May 2023 16:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-30.5-050923-FD



Tgt Ion: 75 Resp: 61438
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.3 112.9#
 89 0.0 35.4 53.2#

