

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013808.D
 Acq On : 18 May 2023 18:27
 Operator : KP/MD
 Sample : 02832-02
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-22-K2-SO-69.5-051723

Quant Time: May 19 03:23:24 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)

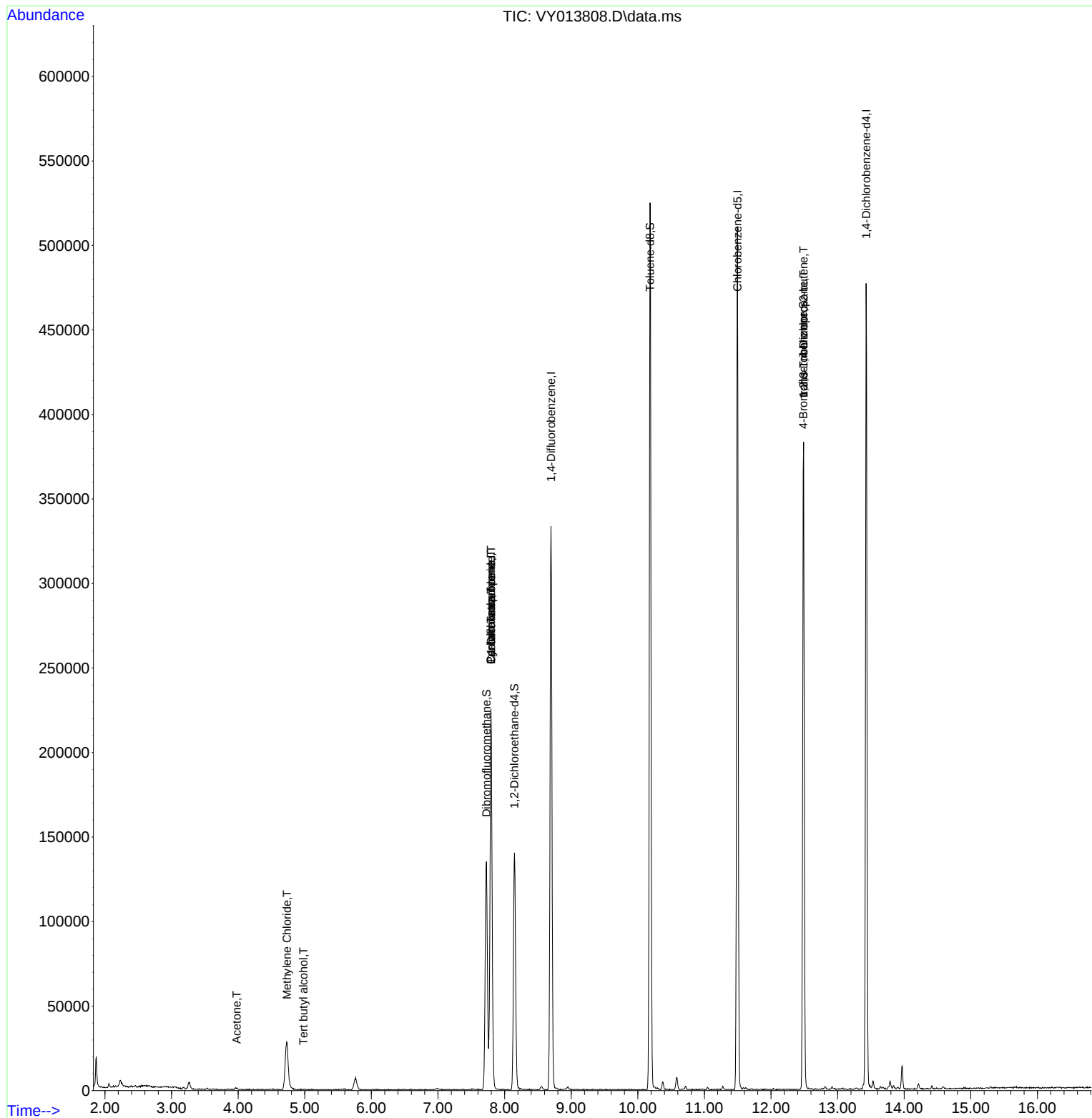
Internal Standards						
1) Pentafluorobenzene	7.795	168	166763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	275900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	265078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116231	59.999	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.000%			
35) Dibromofluoromethane	7.728	113	90143	50.950	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.185	98	334630	49.890	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.780%			
62) 4-Bromofluorobenzene	12.483	95	106631	47.862	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	183	1.166	ug/l #	73
16) Acetone	3.979	43	1707	2.921	ug/l #	59
20) Methylene Chloride	4.735	84	21132	6.675	ug/l	84
31) Cyclohexane	7.795	56	3769	1.357	ug/l #	24
36) 1,1-Dichloropropene	7.795	75	12553	5.135	ug/l #	51
38) Carbon Tetrachloride	7.795	117	16216	6.288	ug/l #	14
76) 1,2,3-Trichloropropane	12.489	75	58337	40.573	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	58337	90.330	ug/l #	12

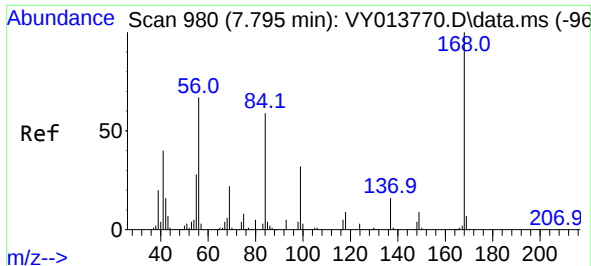
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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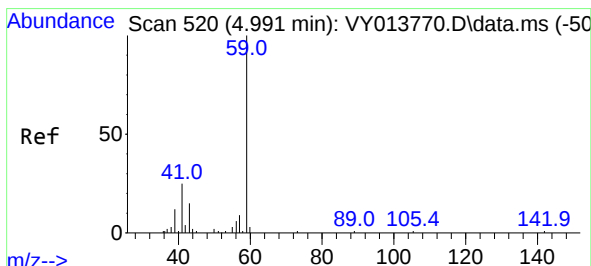
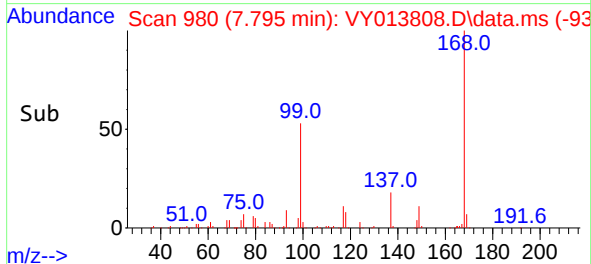
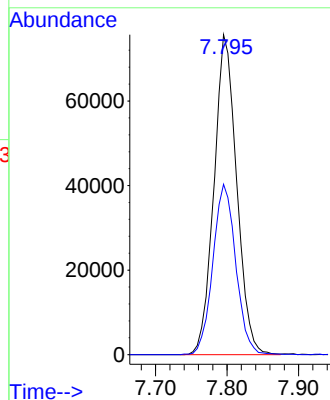
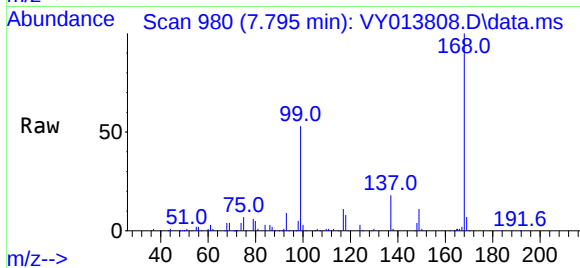




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

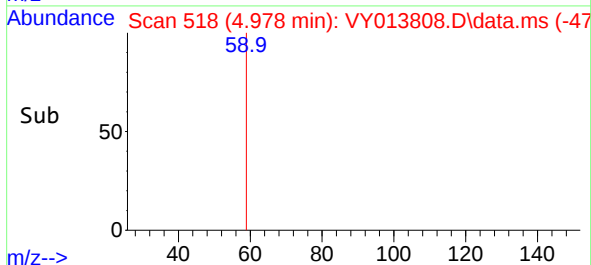
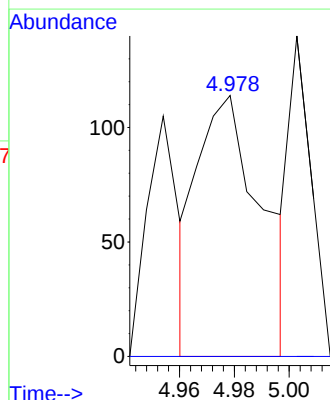
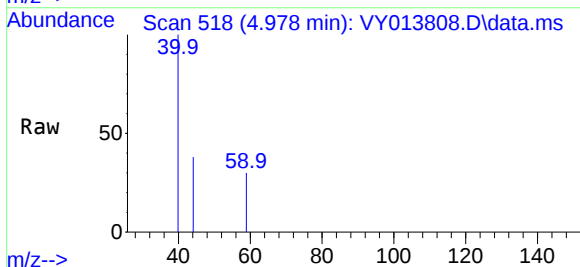
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-69.5-051723

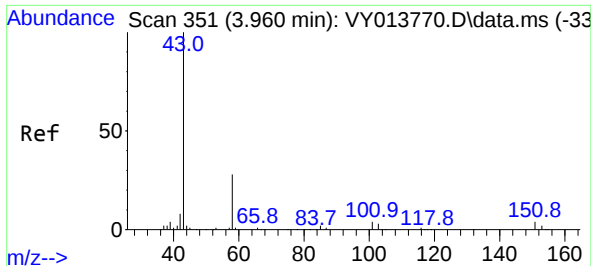
Tgt Ion:168 Resp: 166763
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.166 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.012 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

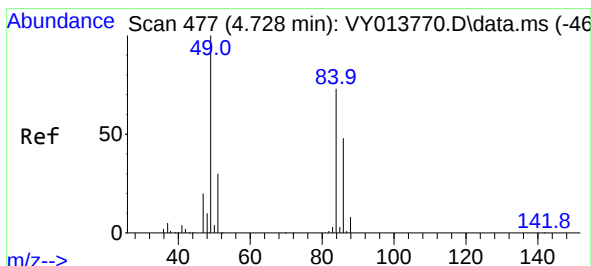
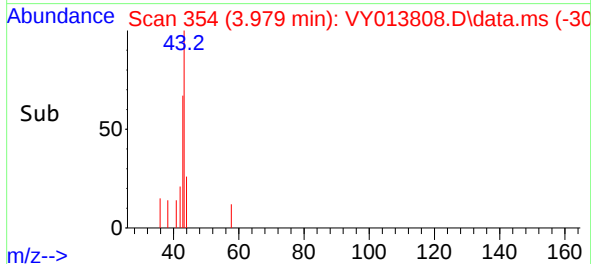
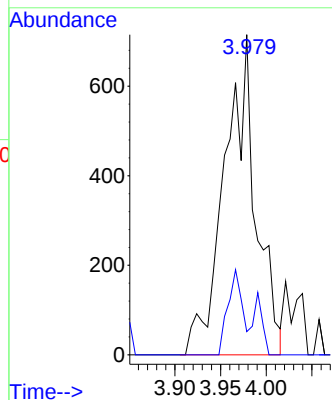
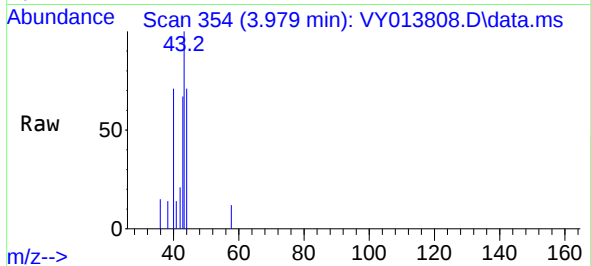




#16
Acetone
Concen: 2.921 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

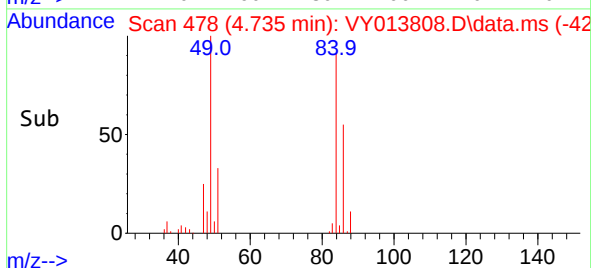
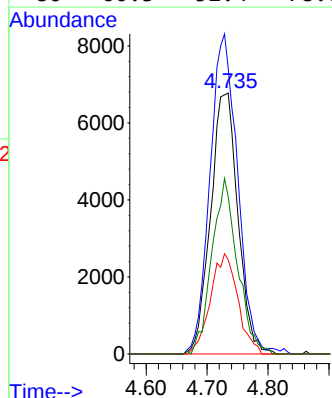
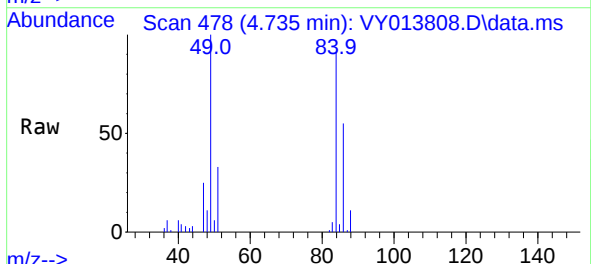
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-69.5-051723

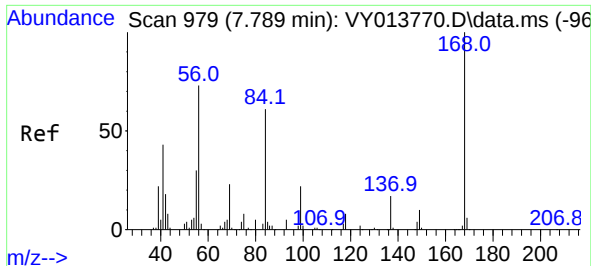
Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 7.3 23.7 35.5#



#20
Methylene Chloride
Concen: 6.675 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.007 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion: 84 Resp: 21132
Ion Ratio Lower Upper
84 100
49 109.6 109.4 164.0
51 36.1 32.8 49.2
86 60.3 52.4 78.6

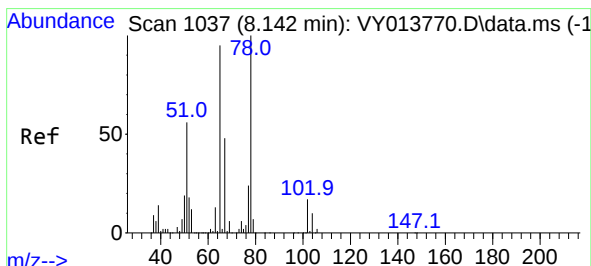
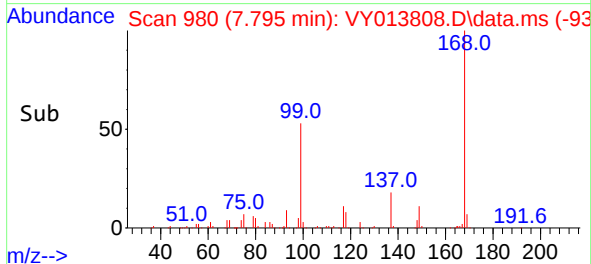
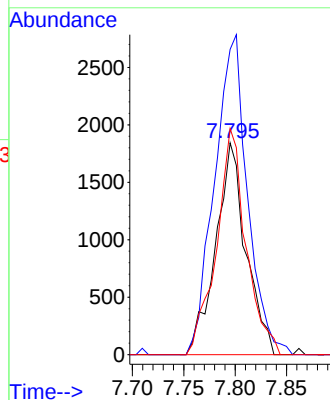
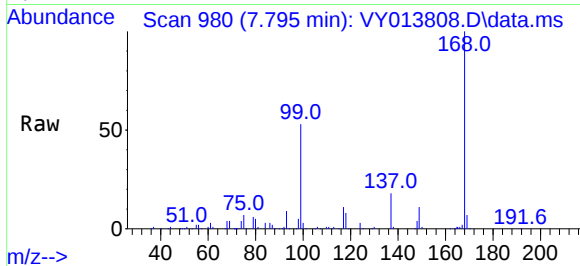




#31
Cyclohexane
Concen: 1.357 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

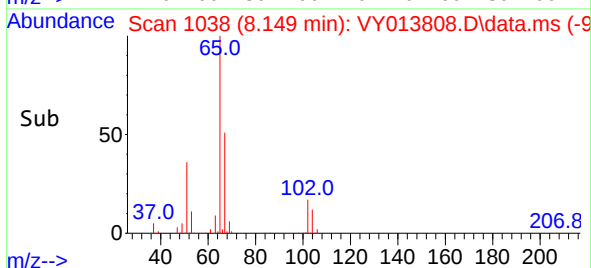
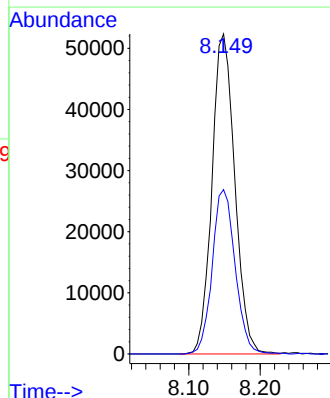
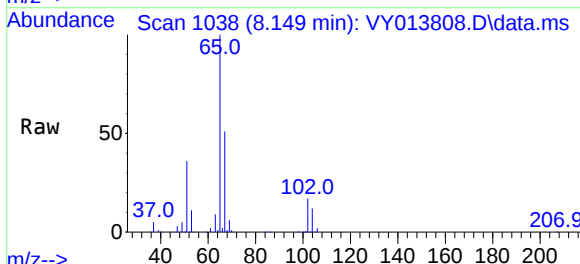
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-69.5-051723

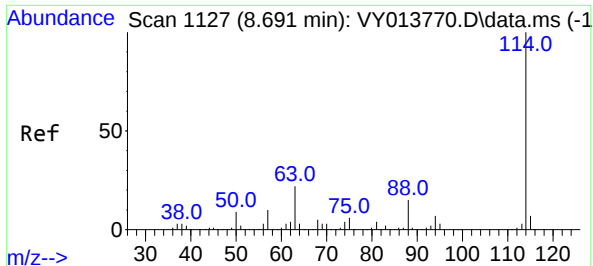
Tgt Ion: 56 Resp: 3769
Ion Ratio Lower Upper
56 100
69 144.2 25.8 38.6#
84 106.8 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 59.999 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion: 65 Resp: 116231
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

Instrument :

MSVOA_Y

ClientSampleId :

CB-22-K2-SO-69.5-051723

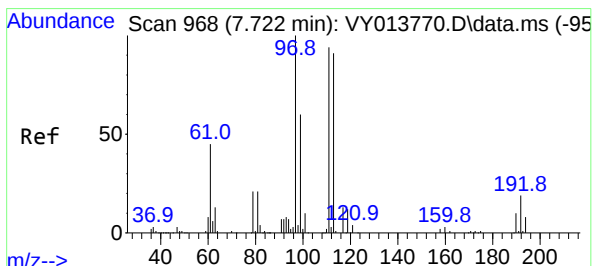
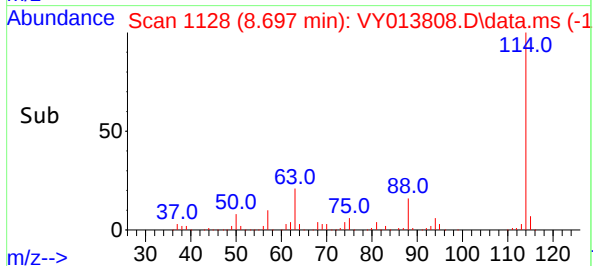
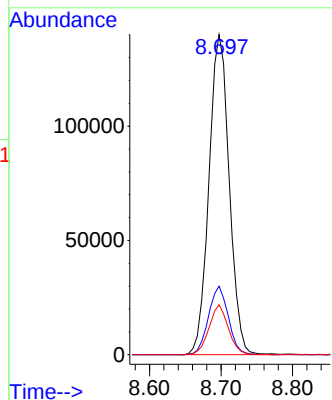
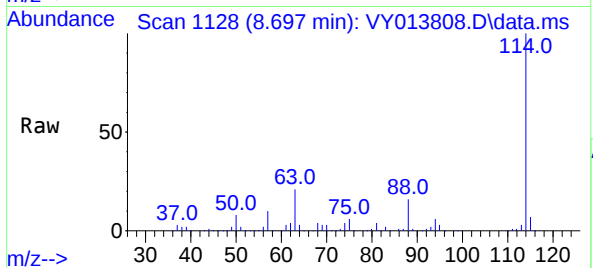
Tgt Ion:114 Resp: 275900

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.8

88 15.6 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.950 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY013808.D

Acq: 18 May 2023 18:27

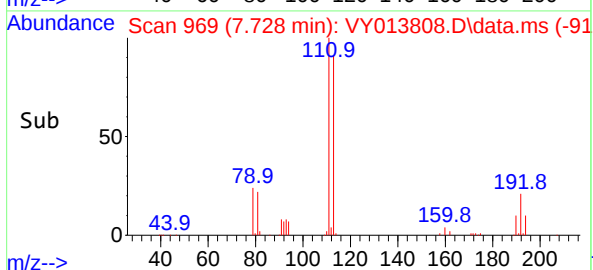
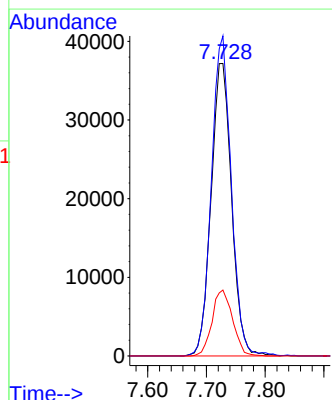
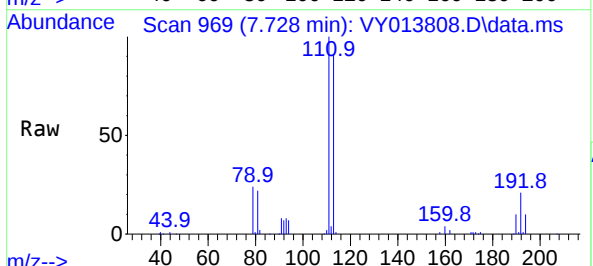
Tgt Ion:113 Resp: 90143

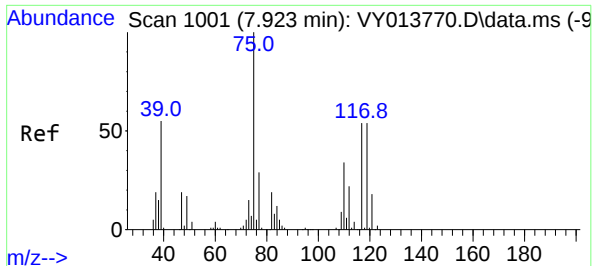
Ion Ratio Lower Upper

113 100

111 105.9 82.3 123.5

192 22.6 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.135 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013808.D

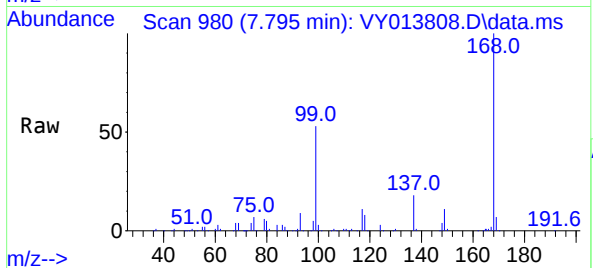
Acq: 18 May 2023 18:27

Instrument :

MSVOA_Y

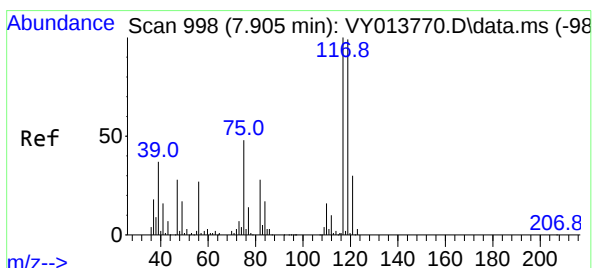
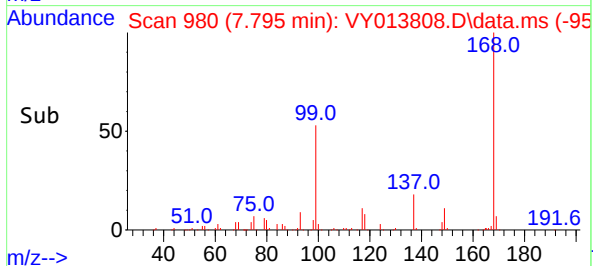
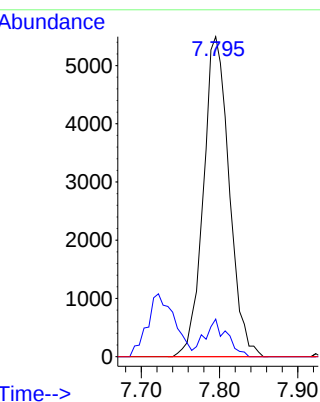
ClientSampleId :

CB-22-K2-SO-69.5-051723



Tgt Ion: 75 Resp: 12553

Ion	Ratio	Lower	Upper
75	100		
110	10.1	17.3	51.7#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 6.288 ug/l

RT: 7.795 min Scan# 980

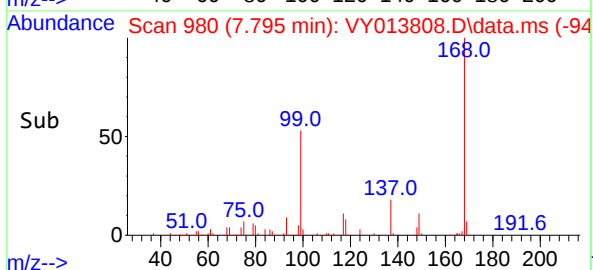
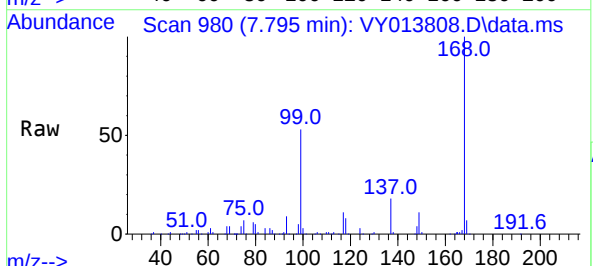
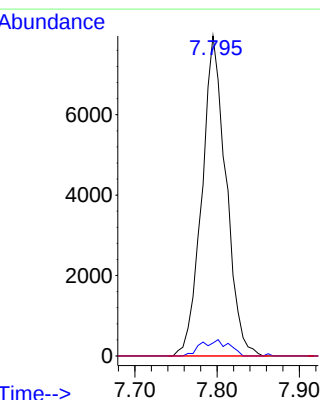
Delta R.T. -0.110 min

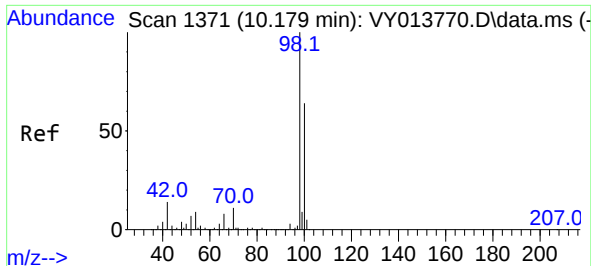
Lab File: VY013808.D

Acq: 18 May 2023 18:27

Tgt Ion: 117 Resp: 16216

Ion	Ratio	Lower	Upper
117	100		
119	4.0	79.0	118.6#
121	0.0	24.1	36.1#

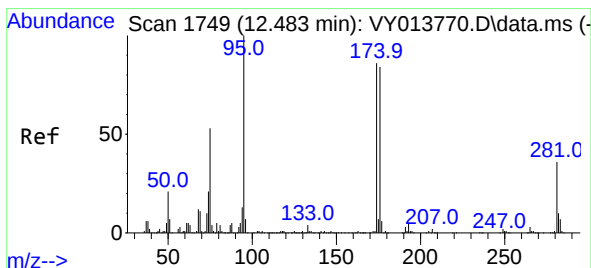
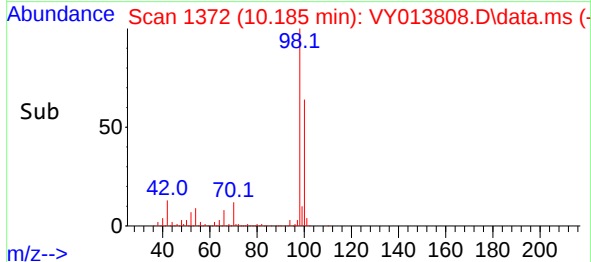
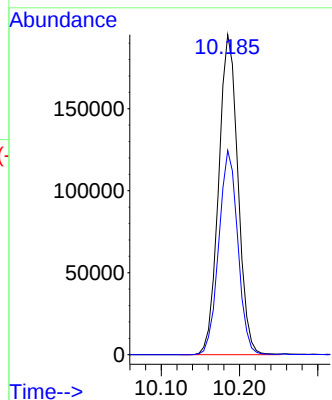
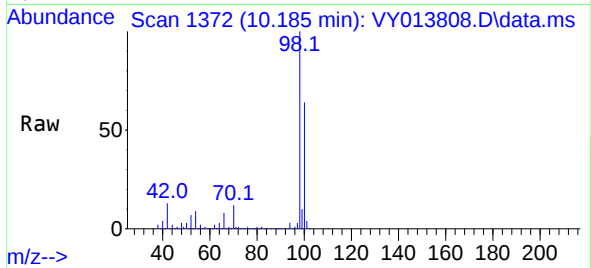




#50
Toluene-d8
Concen: 49.890 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

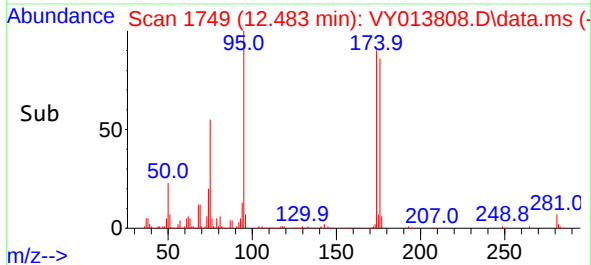
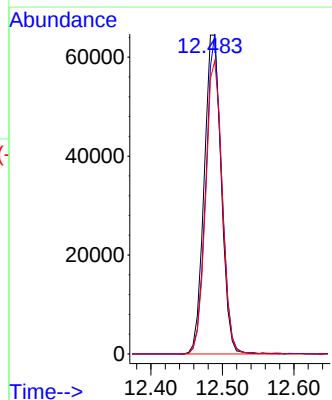
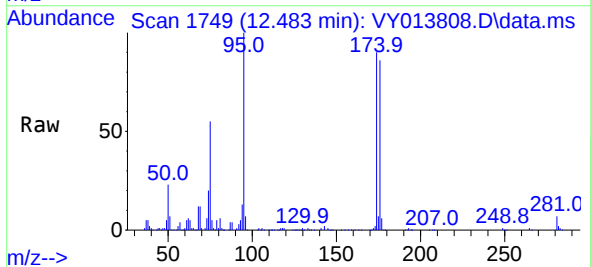
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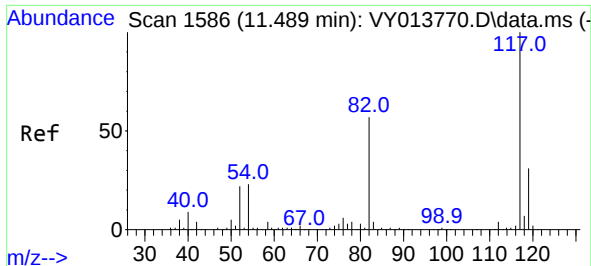
Tgt Ion: 98 Resp: 334630
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 47.862 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion: 95 Resp: 106631
Ion Ratio Lower Upper
95 100
174 93.0 0.0 168.8
176 89.5 0.0 165.2

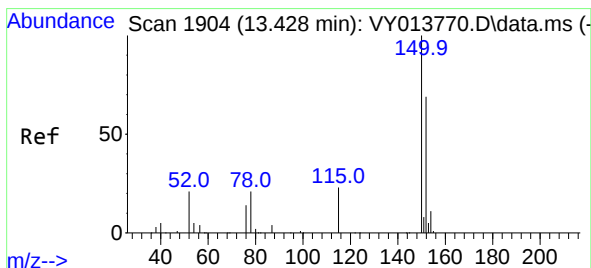
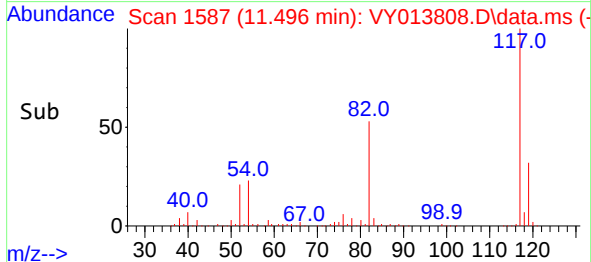
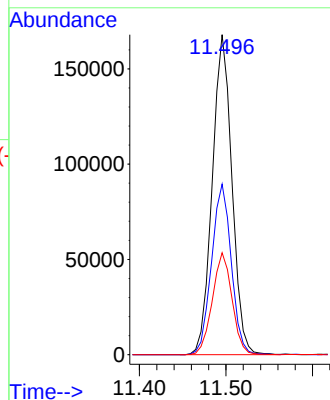
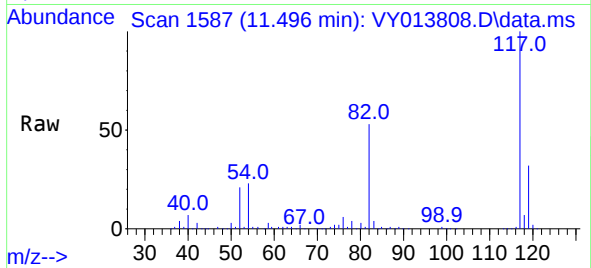




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

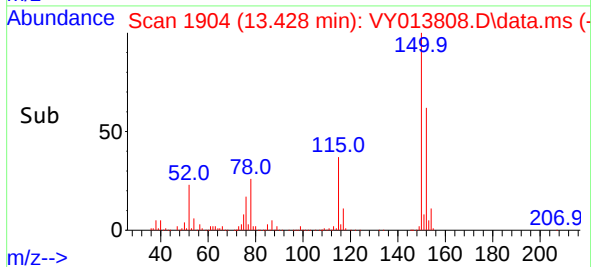
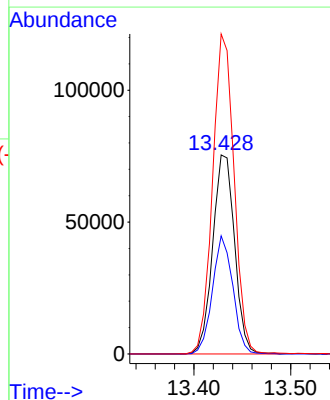
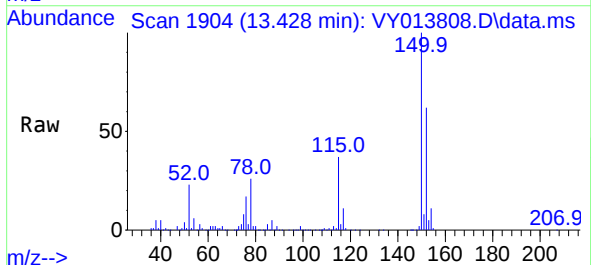
Instrument :
MSVOA_Y
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CB-22-K2-SO-69.5-051723

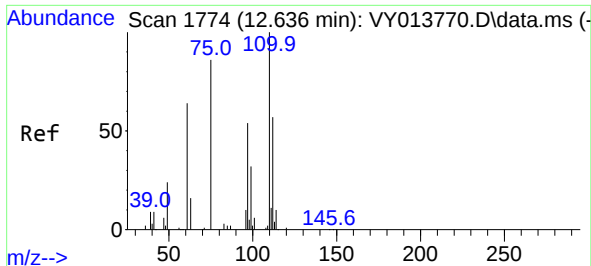
Tgt Ion:117 Resp: 265078
Ion Ratio Lower Upper
117 100
82 53.3 45.5 68.3
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion:152 Resp: 118804
Ion Ratio Lower Upper
152 100
115 55.2 28.5 85.5
150 157.8 0.0 347.0

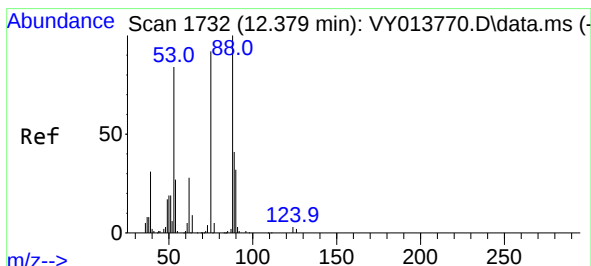
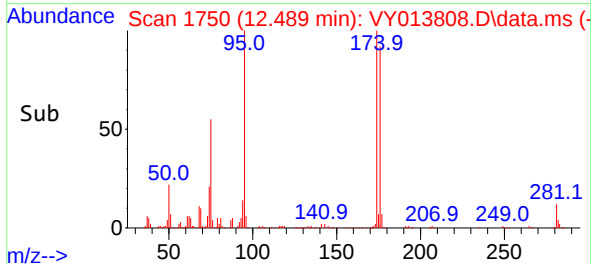
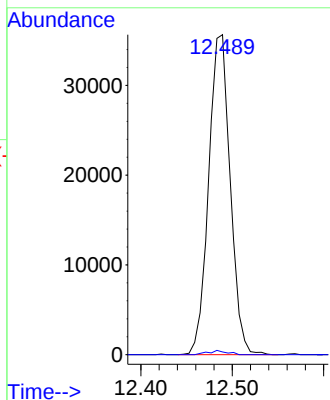
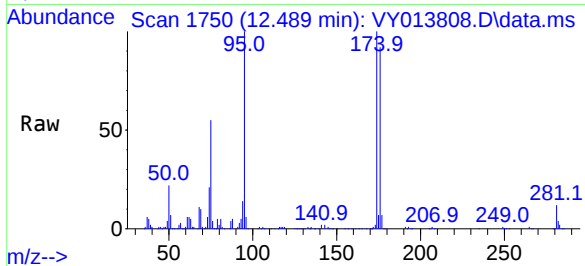




#76
1,2,3-Trichloropropane
Concen: 40.573 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-69.5-051723

Tgt Ion: 75 Resp: 58337
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.330 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY013808.D
Acq: 18 May 2023 18:27

Tgt Ion: 75 Resp: 58337
Ion Ratio Lower Upper
75 100
53 0.2 75.3 112.9#
89 0.1 35.4 53.2#

