

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051823\
 Data File : VY013810.D
 Acq On : 18 May 2023 19:14
 Operator : KP/MD
 Sample : 02832-04
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-22-K2-SO-79-051723

Quant Time: May 19 03:23:40 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)

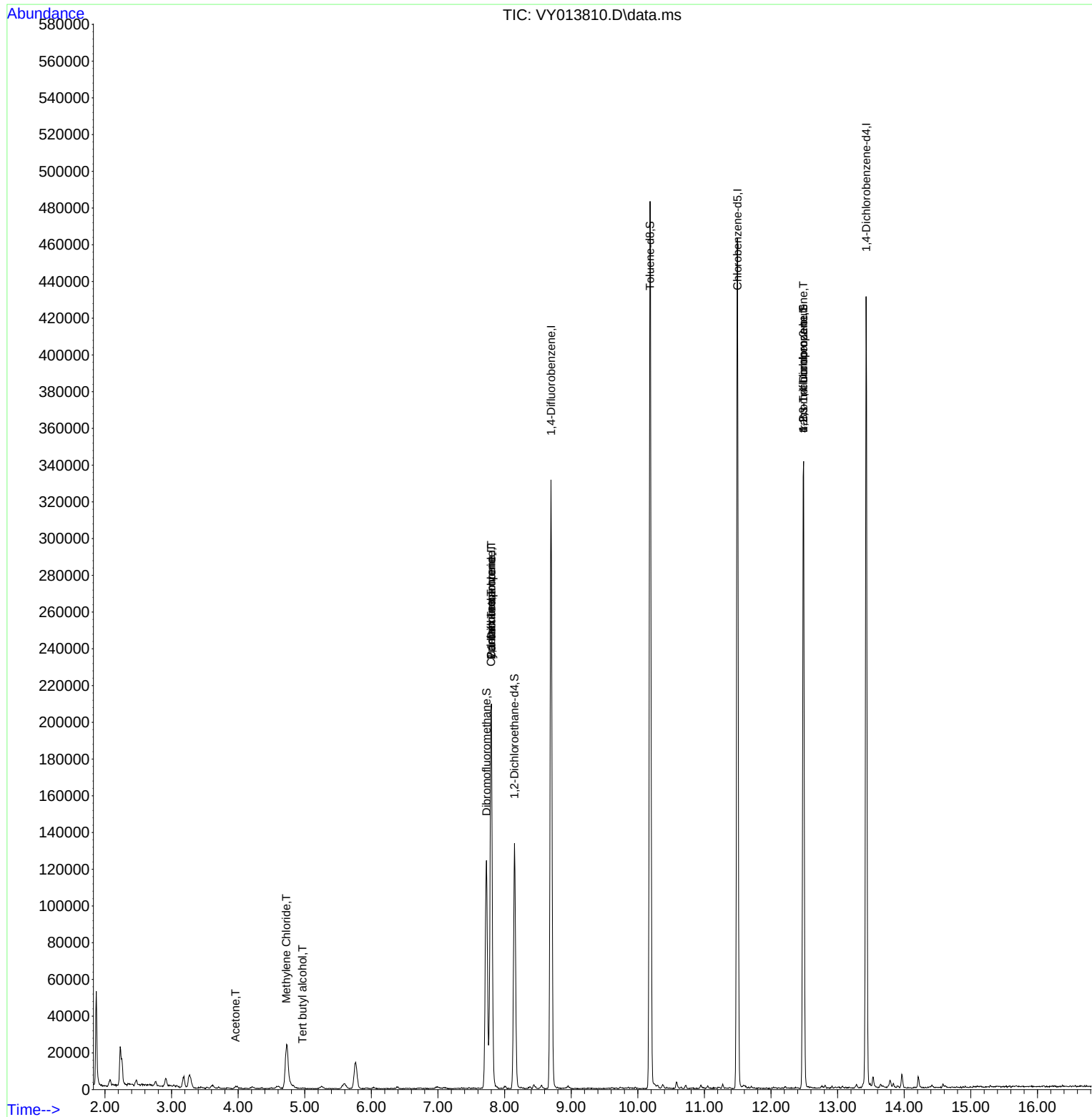
Internal Standards						
1) Pentafluorobenzene	7.801	168	163574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	264214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	242137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	106553	56.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.160%
35) Dibromofluoromethane	7.728	113	83396	49.222	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.440%
50) Toluene-d8	10.185	98	314875	49.021	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.483	95	95690	44.851	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.700%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	293	1.903	ug/l #	73
16) Acetone	3.960	43	1895	3.305	ug/l	93
20) Methylene Chloride	4.722	84	17269	4.394	ug/l #	83
31) Cyclohexane	7.795	56	3923	1.440	ug/l #	34
36) 1,1-Dichloropropene	7.801	75	12393	5.294	ug/l #	50
38) Carbon Tetrachloride	7.801	117	15743	6.375	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	51520	39.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51520	87.108	ug/l #	12

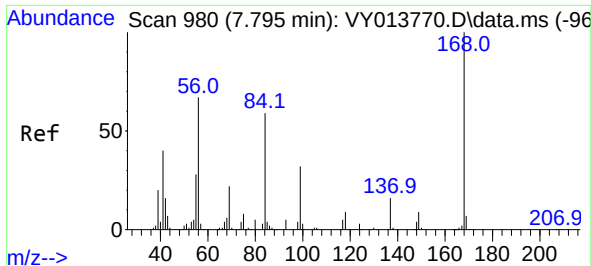
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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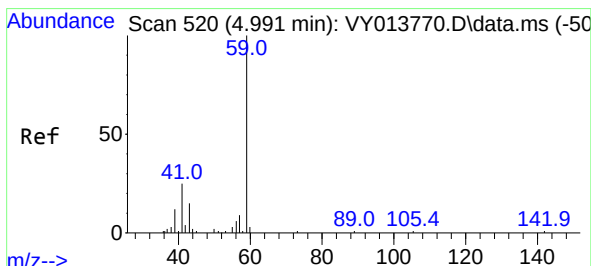
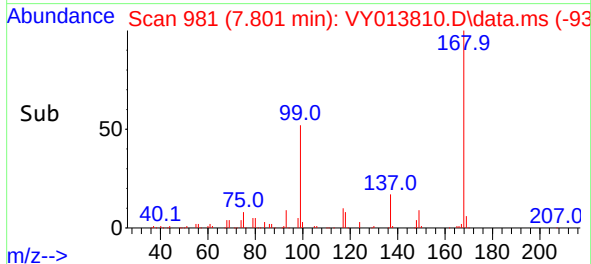
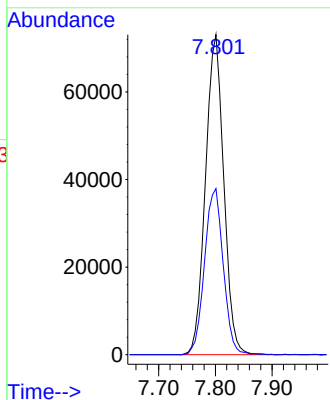
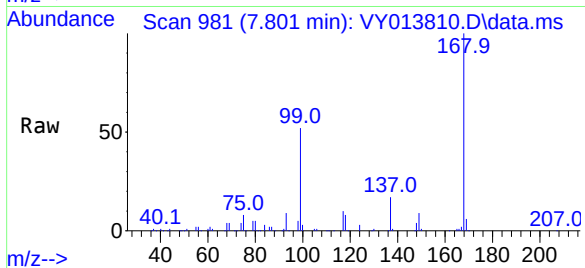




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

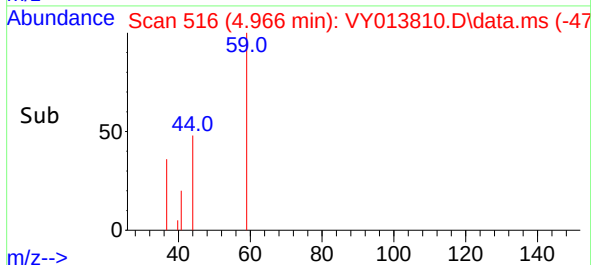
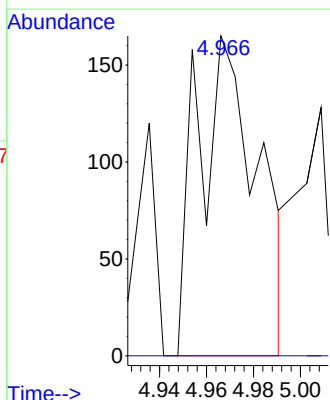
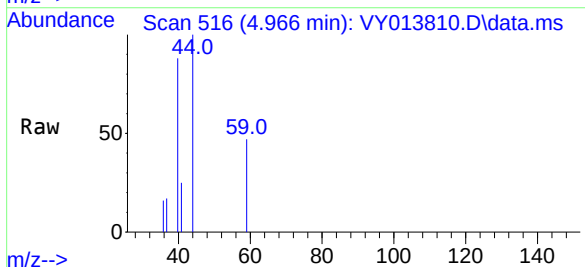
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-79-051723

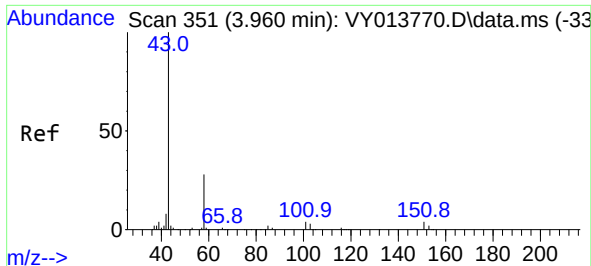
Tgt Ion:168 Resp: 163574
Ion Ratio Lower Upper
168 100
99 51.9 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.903 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.024 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Tgt Ion: 59 Resp: 293
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

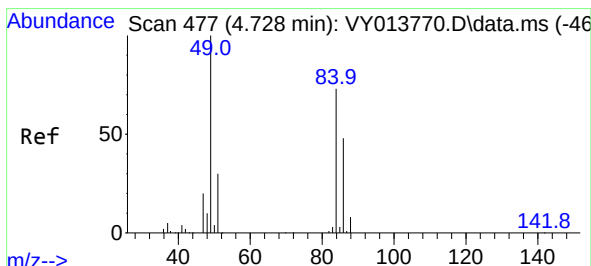
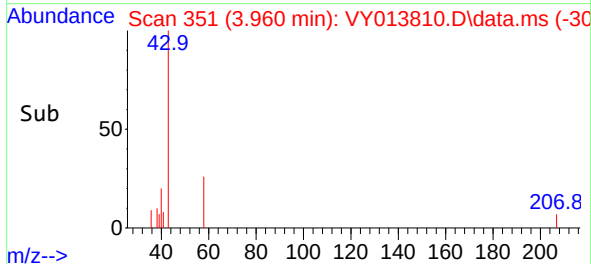
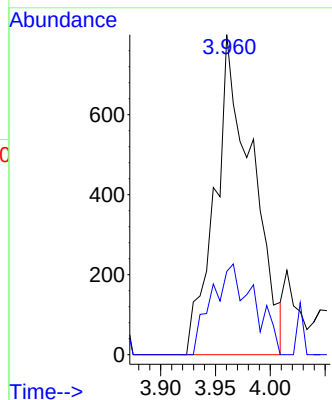
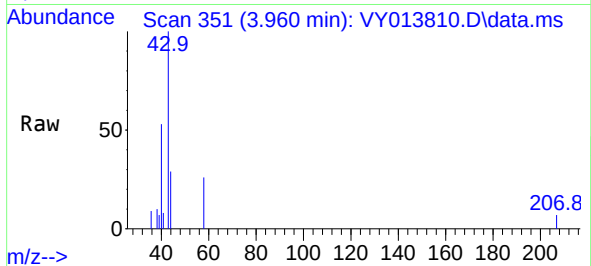




#16
Acetone
Concen: 3.305 ug/l
RT: 3.960 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

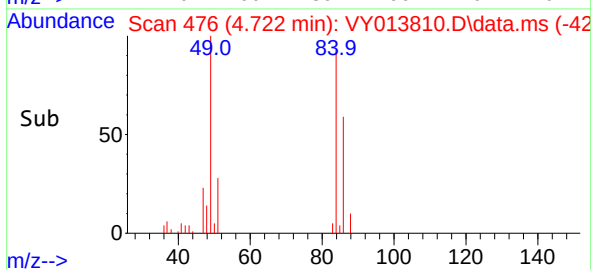
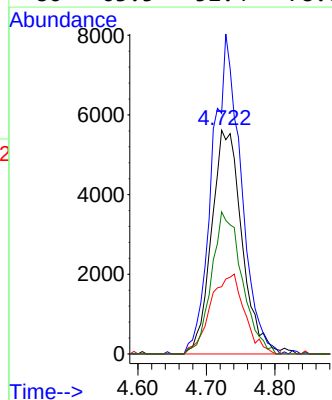
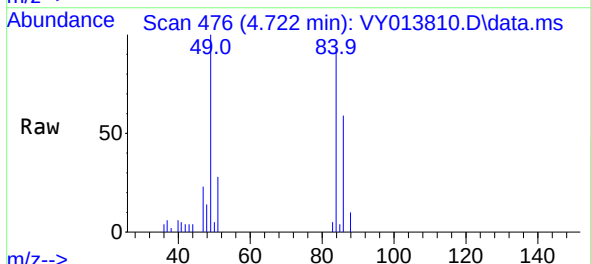
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-79-051723

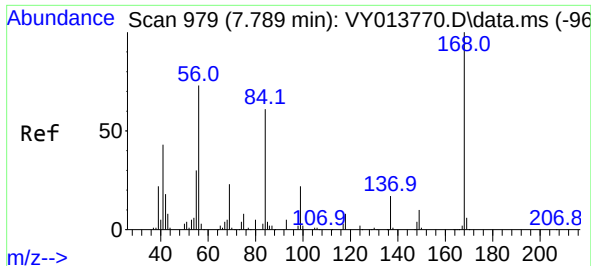
Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
58 26.0 23.7 35.5



#20
Methylene Chloride
Concen: 4.394 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Tgt Ion: 84 Resp: 17269
Ion Ratio Lower Upper
84 100
49 107.5 109.4 164.0#
51 30.0 32.8 49.2#
86 63.5 52.4 78.6

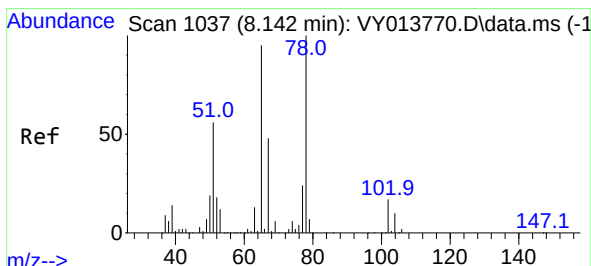
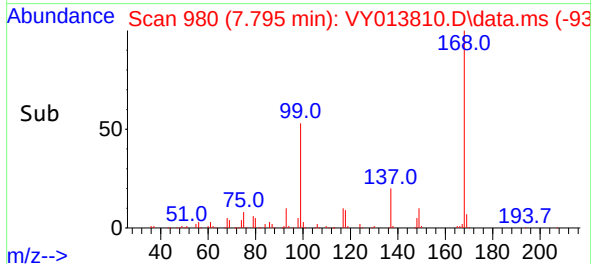
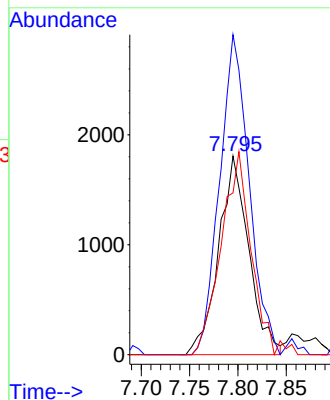
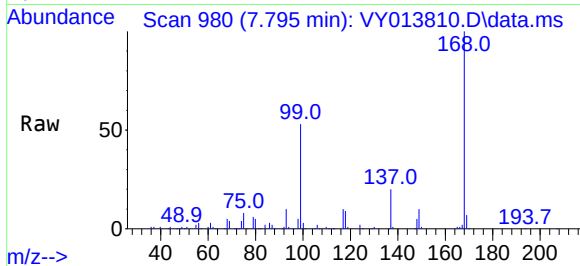




#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

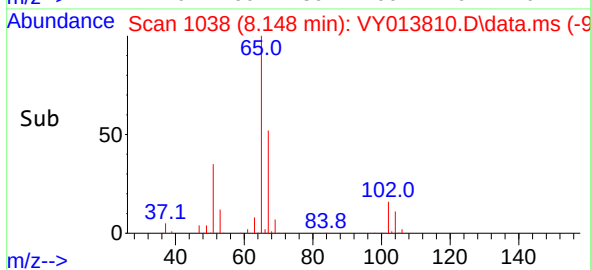
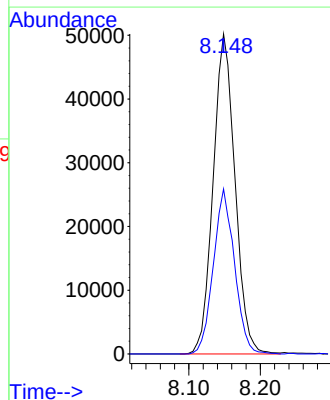
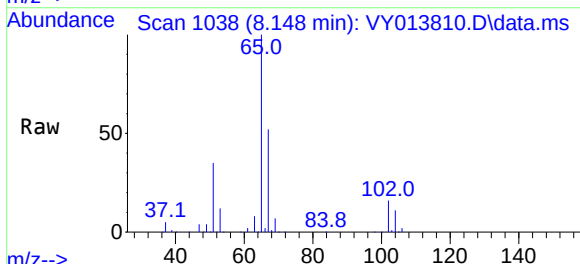
Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-79-051723

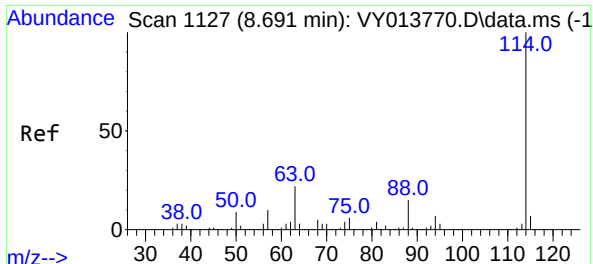
Tgt Ion: 56 Resp: 3923
Ion Ratio Lower Upper
56 100
69 161.1 25.8 38.6#
84 81.4 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 56.075 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Tgt Ion: 65 Resp: 106553
Ion Ratio Lower Upper
65 100
67 49.9 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: VY013810.D

Acq: 18 May 2023 19:14

Instrument :

MSVOA_Y

ClientSampleId :

CB-22-K2-SO-79-051723

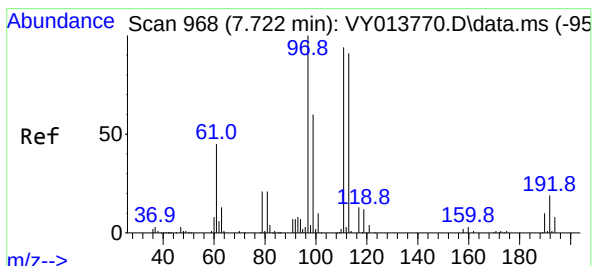
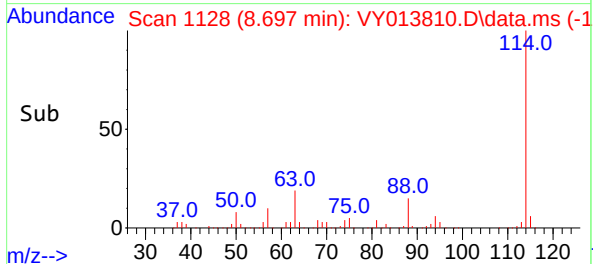
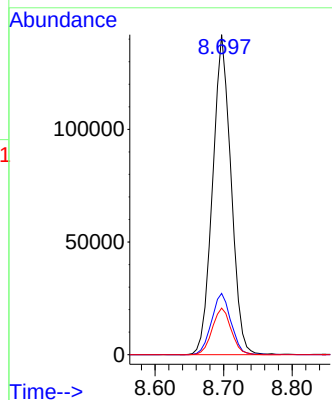
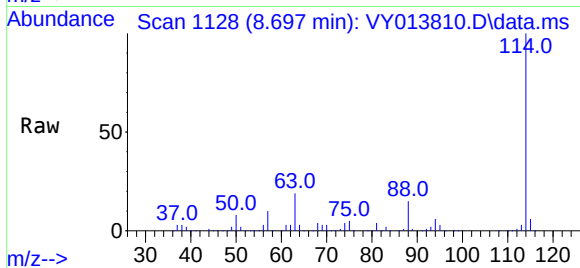
Tgt Ion:114 Resp: 264214

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.8

88 14.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 49.222 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY013810.D

Acq: 18 May 2023 19:14

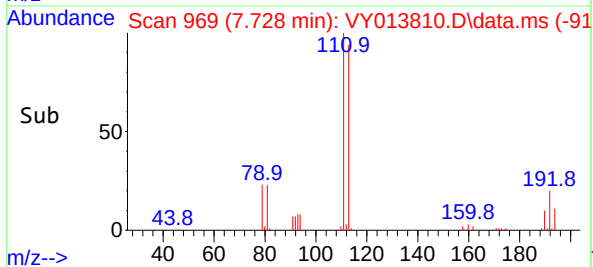
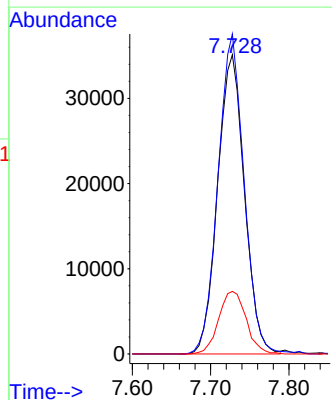
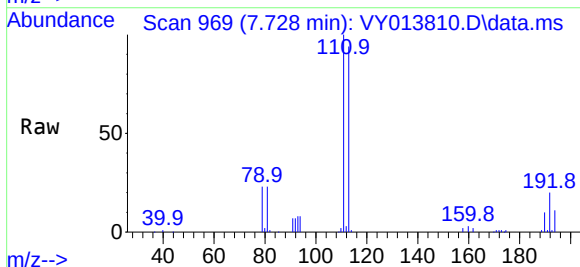
Tgt Ion:113 Resp: 83396

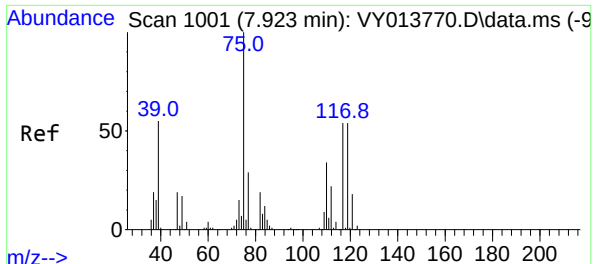
Ion Ratio Lower Upper

113 100

111 104.4 82.3 123.5

192 21.5 16.0 24.0

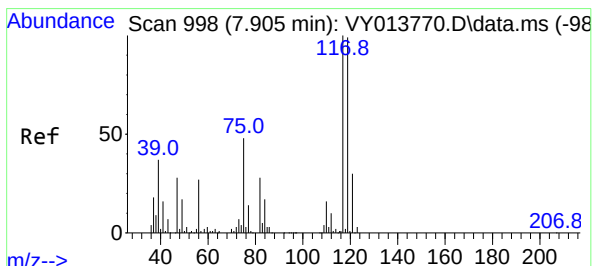
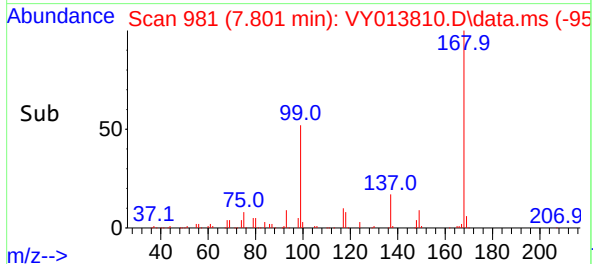
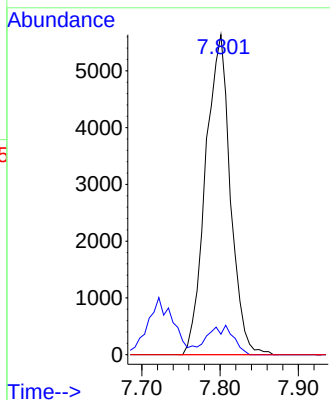
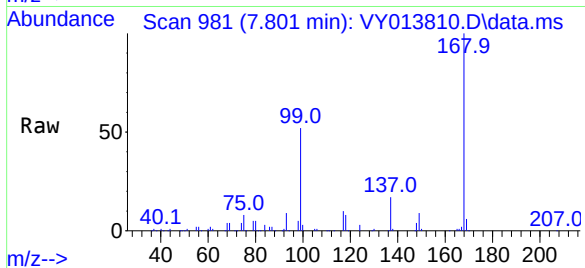




#36
1,1-Dichloropropene
Concen: 5.294 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

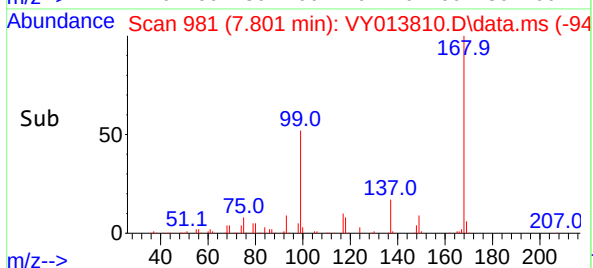
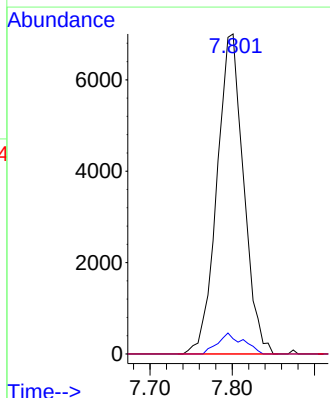
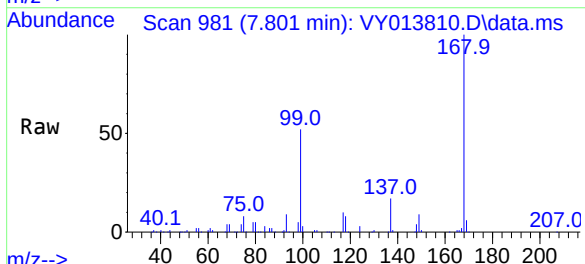
Instrument : MSVOA_Y
ClientSampleId : CB-22-K2-SO-79-051723

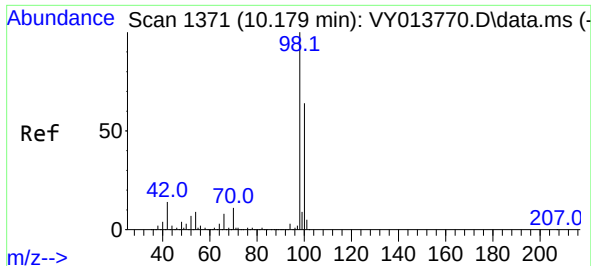
Tgt Ion: 75 Resp: 12393
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.7#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 6.375 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Tgt Ion: 117 Resp: 15743
Ion Ratio Lower Upper
117 100
119 4.7 79.0 118.6#
121 0.0 24.1 36.1#

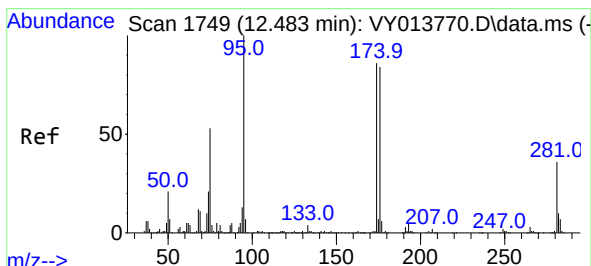
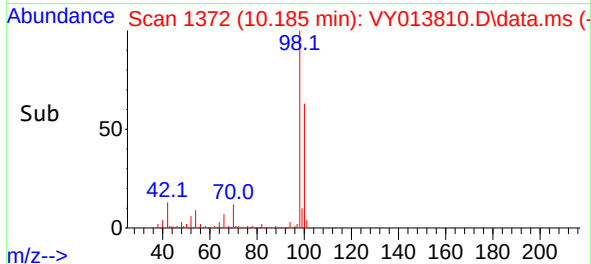
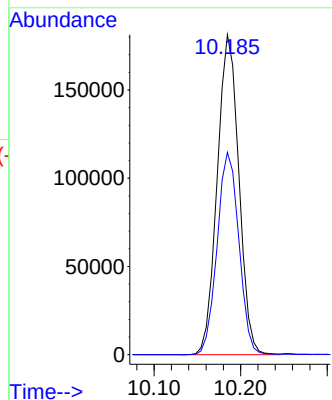
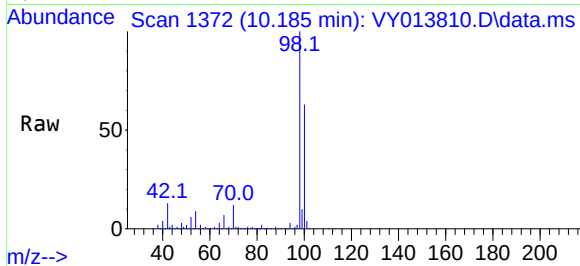




#50
Toluene-d8
Concen: 49.021 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

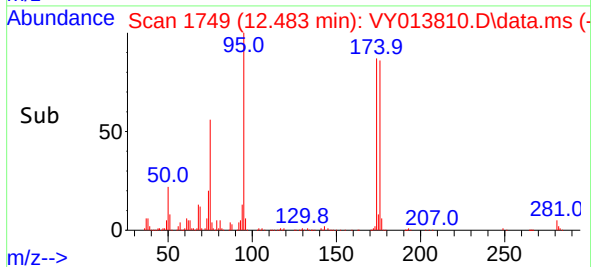
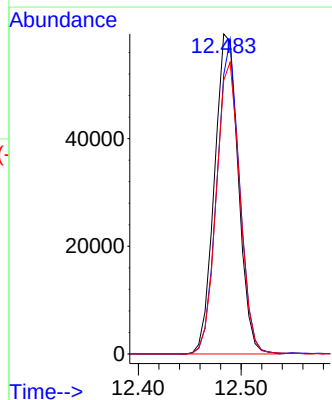
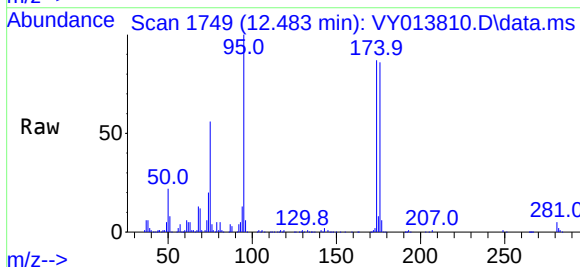
Instrument :
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ClientSampleId :
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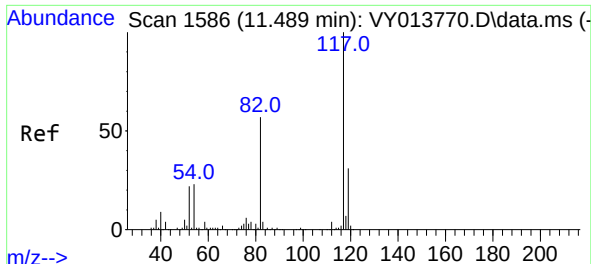
Tgt Ion: 98 Resp: 314875
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6



#62
4-Bromofluorobenzene
Concen: 44.851 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Tgt Ion: 95 Resp: 95690
Ion Ratio Lower Upper
95 100
174 92.8 0.0 168.8
176 89.9 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013810.D

Acq: 18 May 2023 19:14

Instrument :

MSVOA_Y

ClientSampleId :

CB-22-K2-SO-79-051723

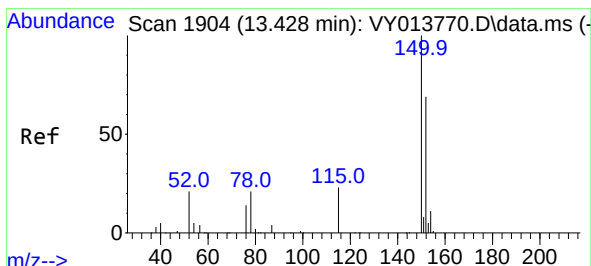
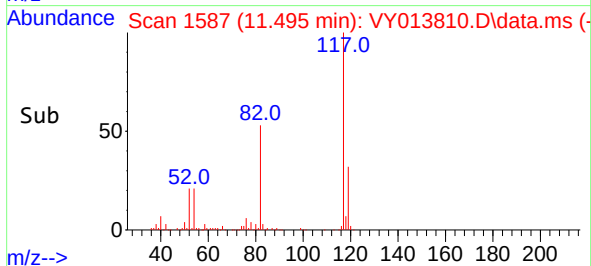
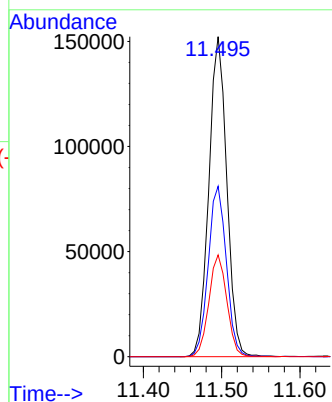
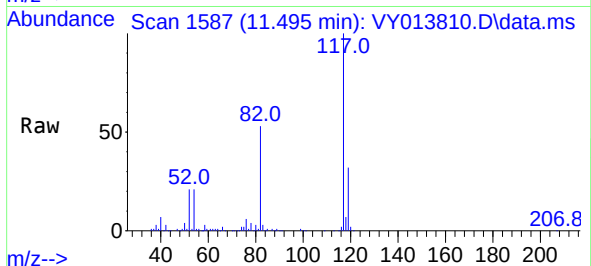
Tgt Ion:117 Resp: 242137

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: VY013810.D

Acq: 18 May 2023 19:14

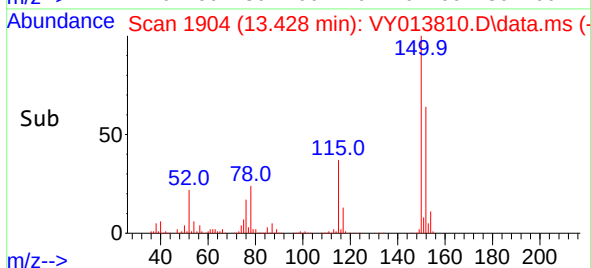
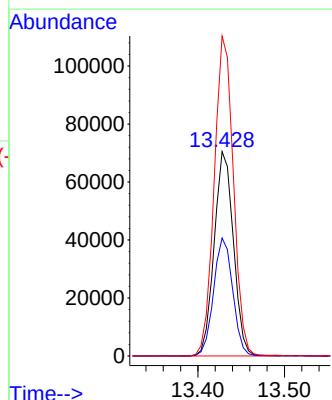
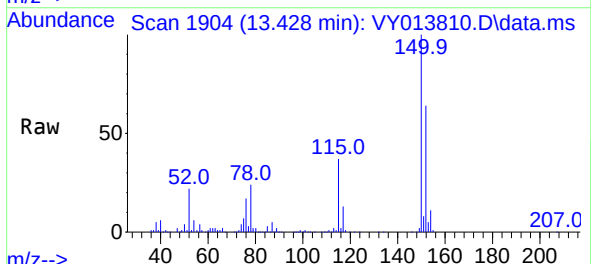
Tgt Ion:152 Resp: 108801

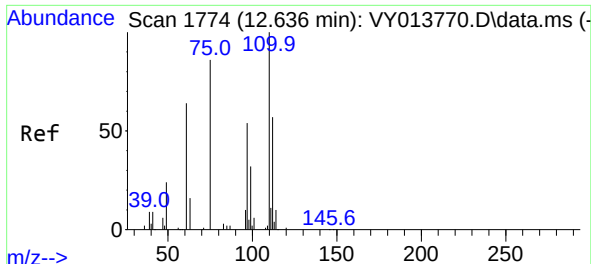
Ion Ratio Lower Upper

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115 57.3 28.5 85.5

150 156.2 0.0 347.0

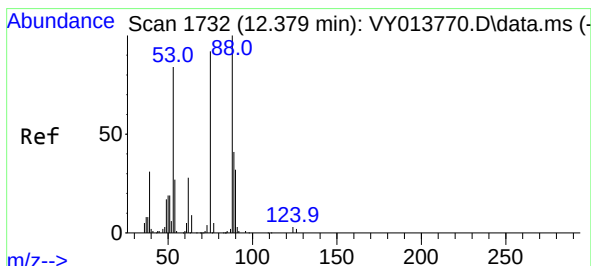
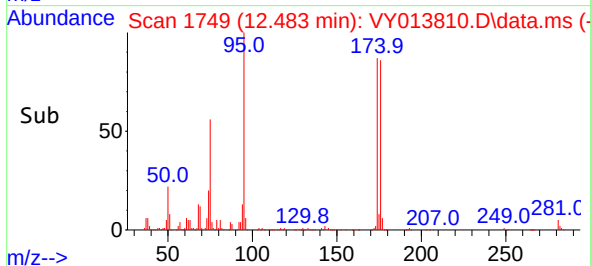
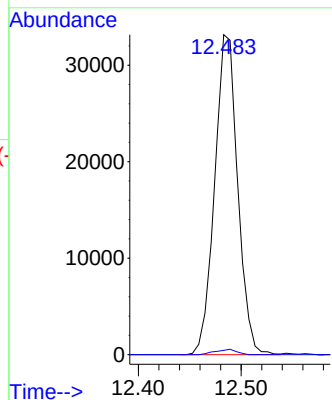
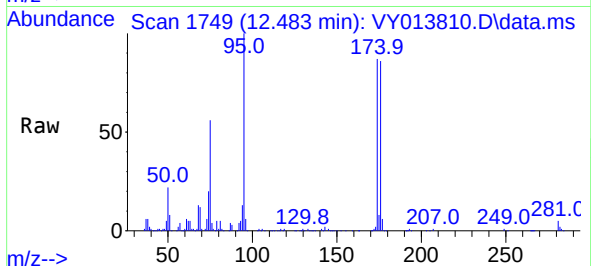




#76
1,2,3-Trichloropropane
Concen: 39.126 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Instrument :
MSVOA_Y
ClientSampleId :
CB-22-K2-SO-79-051723

Tgt Ion: 75 Resp: 51520
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.108 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013810.D
Acq: 18 May 2023 19:14

Tgt Ion: 75 Resp: 51520
Ion Ratio Lower Upper
75 100
53 0.3 75.3 112.9#
89 0.0 35.4 53.2#

