

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060723\
 Data File : VY014062.D
 Acq On : 07 Jun 2023 16:05
 Operator : KP/MD
 Sample : 03044-14
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-0-2.0

Quant Time: Jun 08 02:33:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

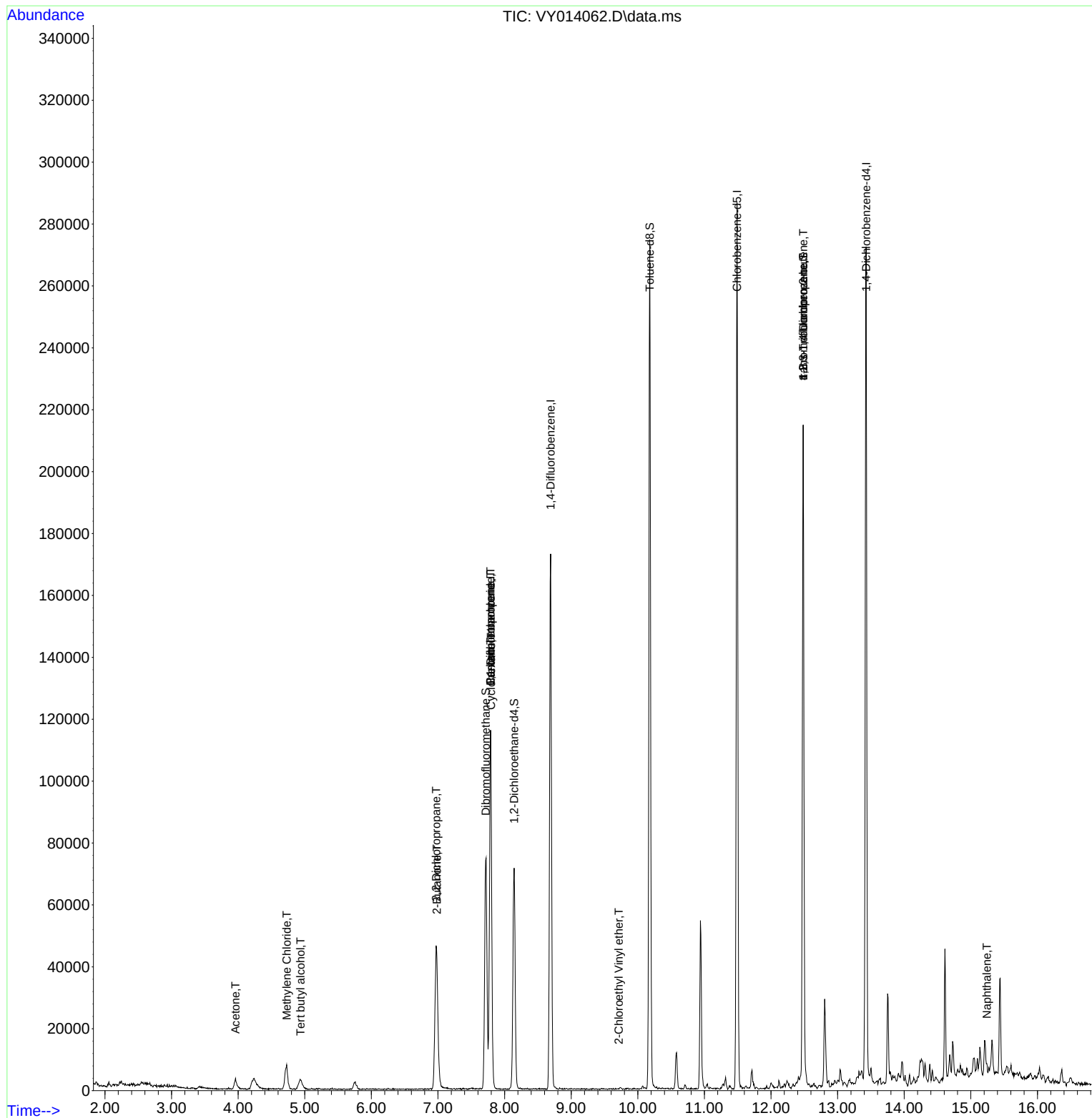
Internal Standards						
1) Pentafluorobenzene	7.789	168	88687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	146938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	146321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	59407	50.602	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.200%			
35) Dibromofluoromethane	7.716	113	52160	55.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.720%			
50) Toluene-d8	10.179	98	180863	50.777	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.483	95	58252	47.970	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.940%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	3819	15.828	ug/l #	89
16) Acetone	3.960	43	5553	13.825	ug/l	97
20) Methylene Chloride	4.728	84	5506	1.167	ug/l #	78
25) 2-Butanone	6.984	43	2737	5.470	ug/l	98
26) 2,2-Dichloropropane	6.972	77	3787	2.331	ug/l #	54
31) Cyclohexane	7.795	56	1993	1.410	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	7041	5.292	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8741	5.863	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.715	63	22	23.138	ug/l #	48
76) 1,2,3-Trichloropropane	12.483	75	31353	34.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31353	72.215	ug/l #	11
95) Naphthalene	15.239	128	2663	4.650	ug/l #	94

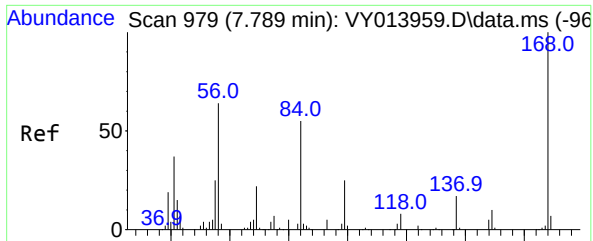
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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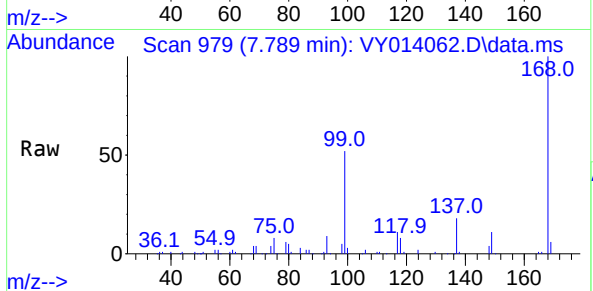
Quant Time: Jun 08 02:33:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
Quant Title : SW846 8260
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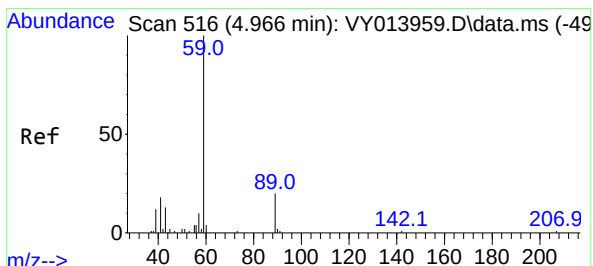
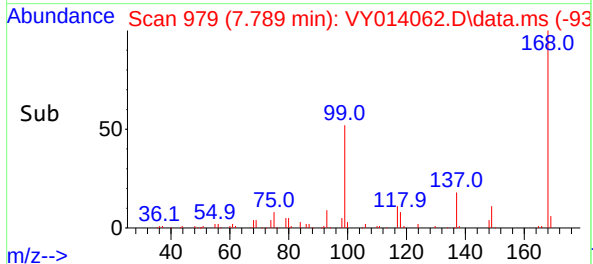
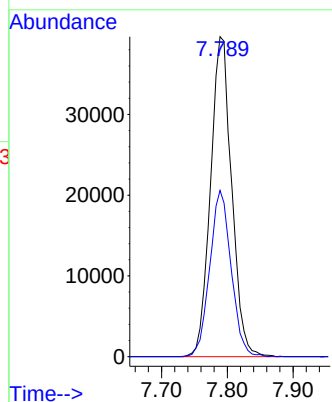


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

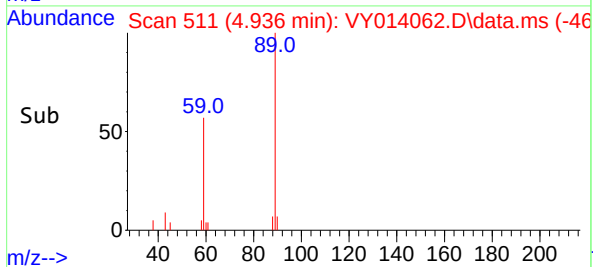
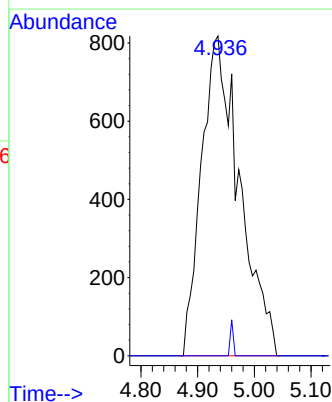
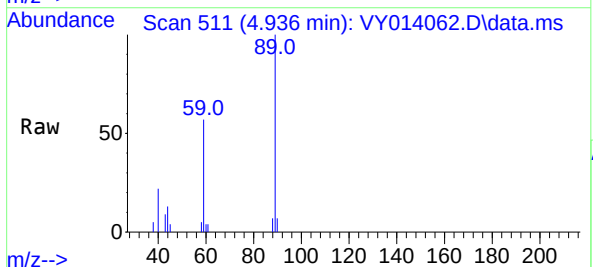


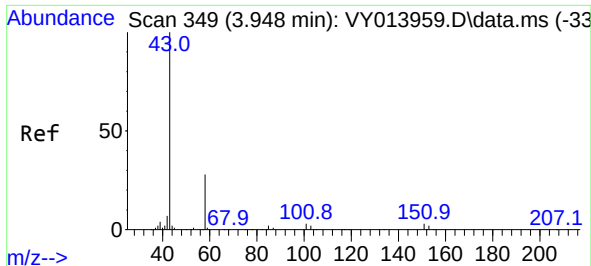
Tgt Ion:168 Resp: 88687
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#11
Tert butyl alcohol
Concen: 15.828 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion: 59 Resp: 3819
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

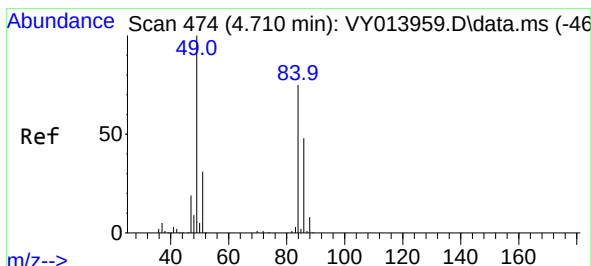
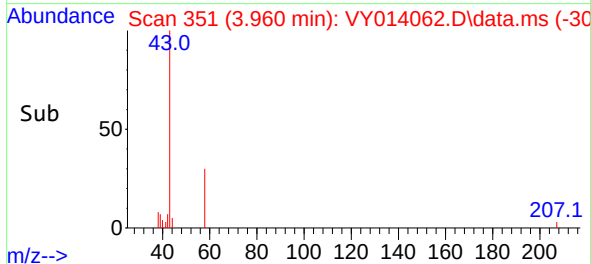
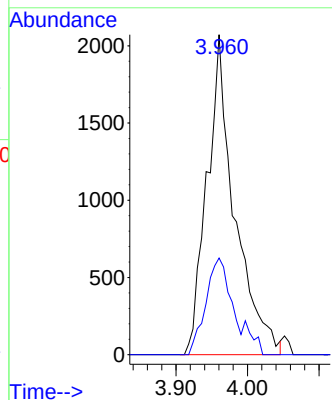
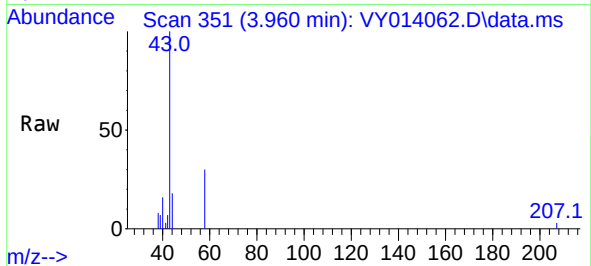




#16
Acetone
Concen: 13.825 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

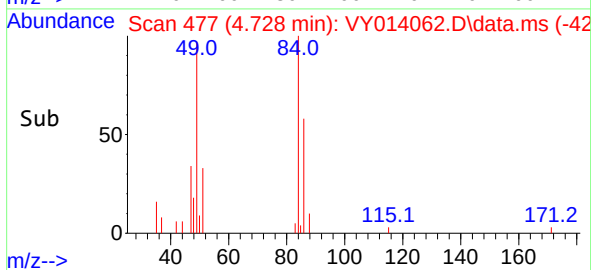
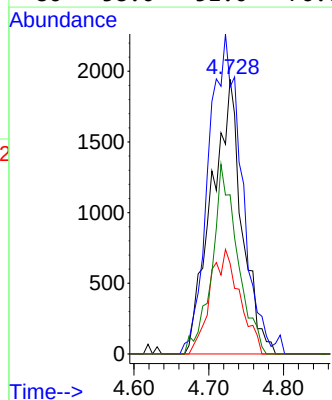
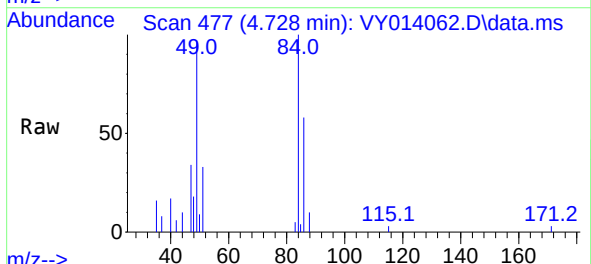
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

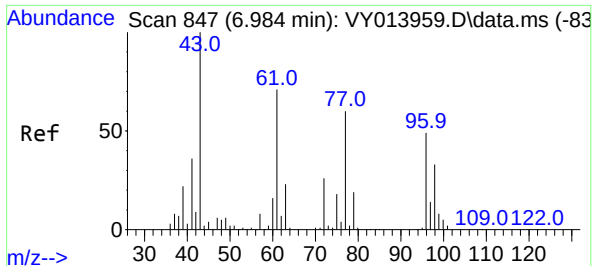
Tgt Ion: 43 Resp: 5553
Ion Ratio Lower Upper
43 100
58 30.2 22.7 34.1



#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.018 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion: 84 Resp: 5506
Ion Ratio Lower Upper
84 100
49 97.3 106.9 160.3#
51 32.9 33.2 49.8#
86 58.0 51.0 76.6





#25

2-Butanone

Concen: 5.470 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY014062.D

Acq: 07 Jun 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

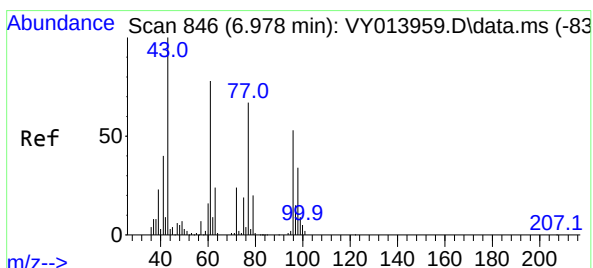
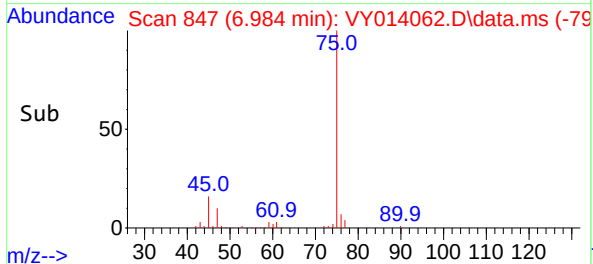
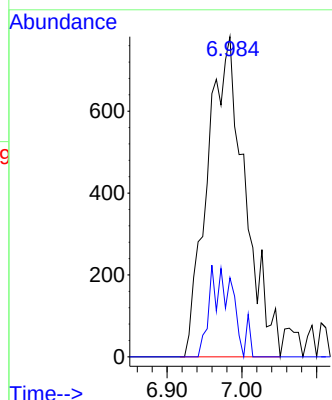
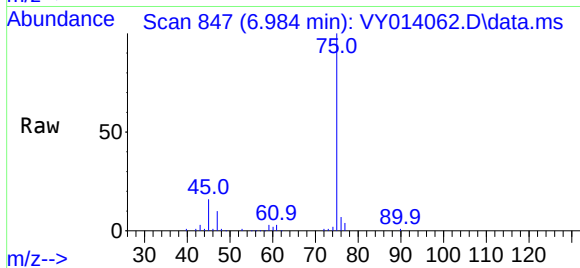
SB-08-0-2.0

Tgt Ion: 43 Resp: 2737

Ion Ratio Lower Upper

43 100

72 24.7 20.5 30.7



#26

2,2-Dichloropropane

Concen: 2.331 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY014062.D

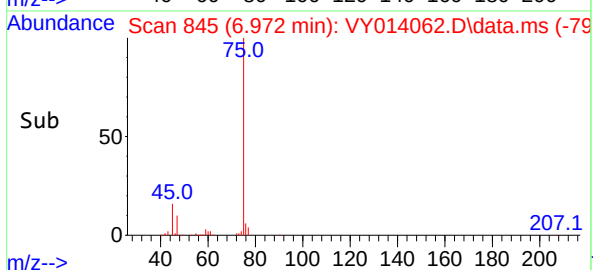
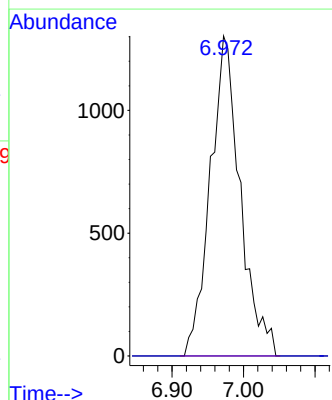
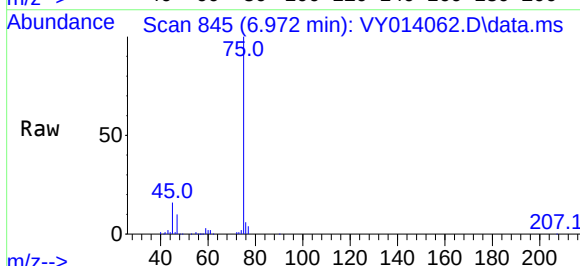
Acq: 07 Jun 2023 16:05

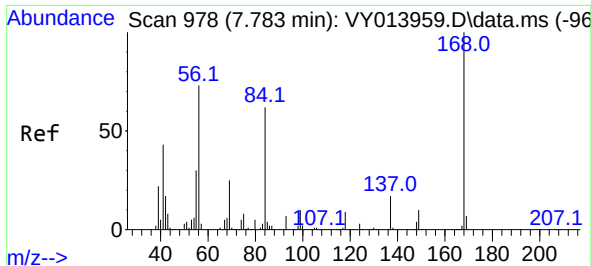
Tgt Ion: 77 Resp: 3787

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

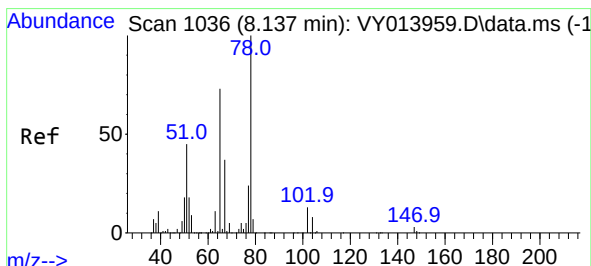
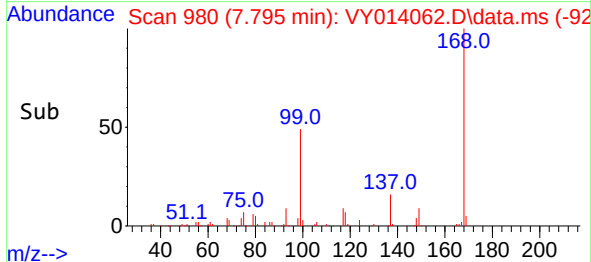
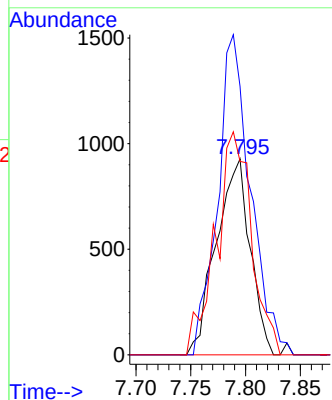
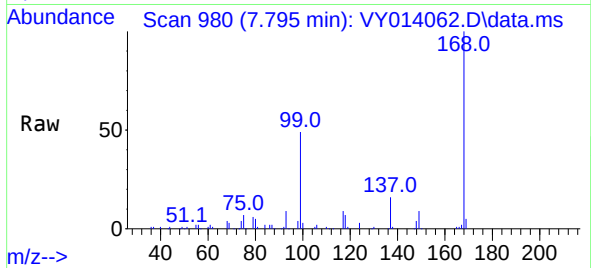




#31
Cyclohexane
Concen: 1.410 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

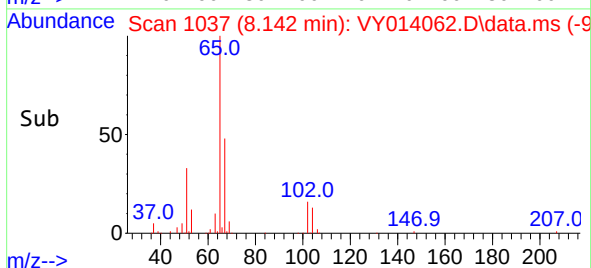
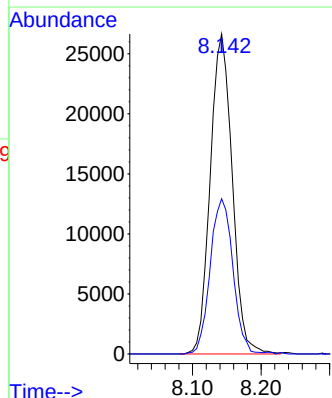
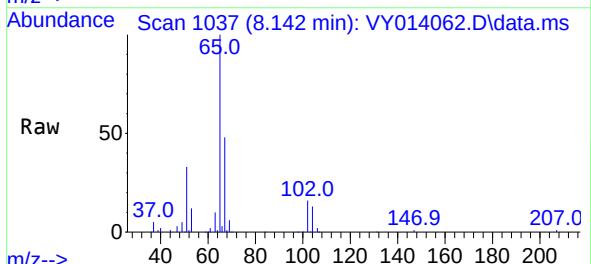
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

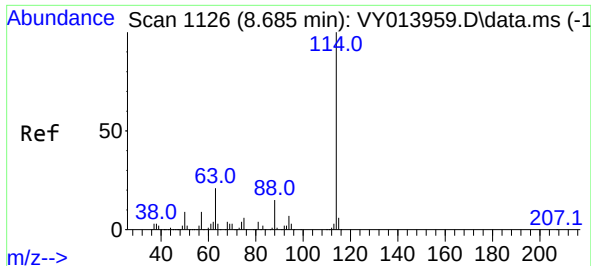
Tgt Ion: 56 Resp: 1993
Ion Ratio Lower Upper
56 100
69 137.0 27.8 41.6#
84 98.7 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.602 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion: 65 Resp: 59407
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014062.D

Acq: 07 Jun 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

SB-08-0-2.0

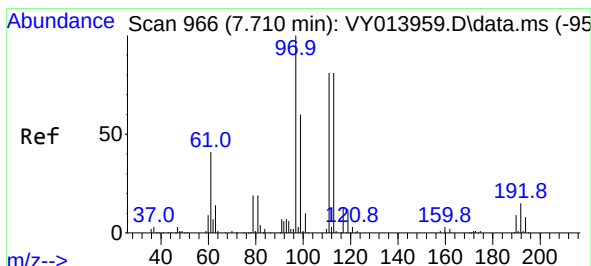
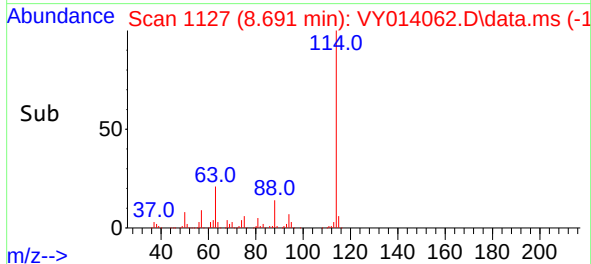
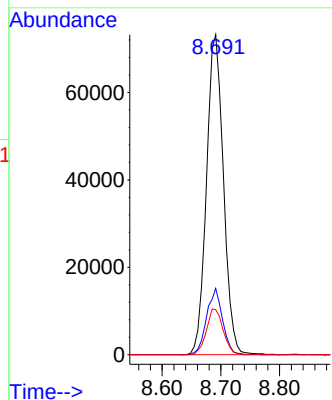
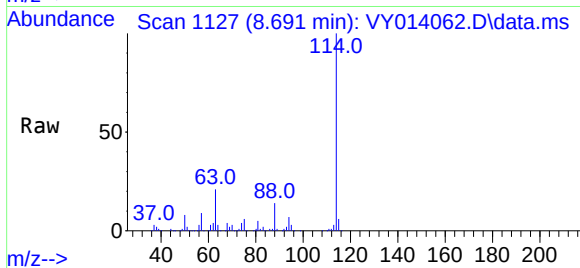
Tgt Ion:114 Resp: 146938

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 14.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.857 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY014062.D

Acq: 07 Jun 2023 16:05

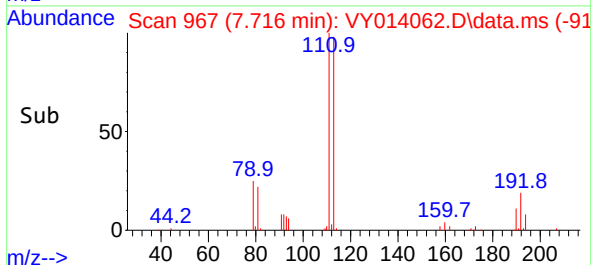
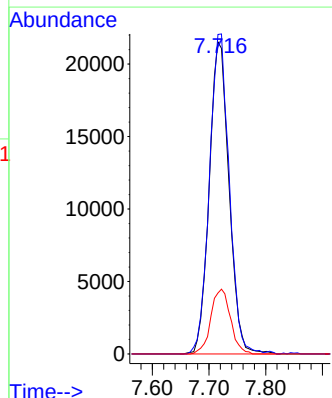
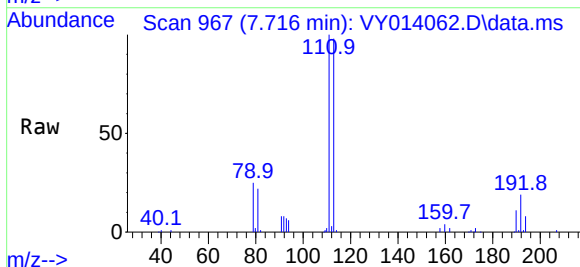
Tgt Ion:113 Resp: 52160

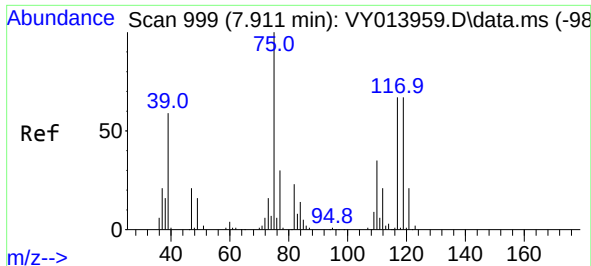
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 20.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.292 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014062.D

Acq: 07 Jun 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

SB-08-0-2.0

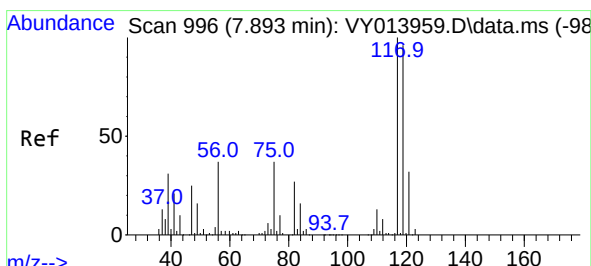
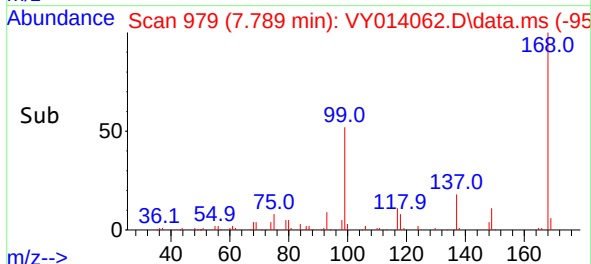
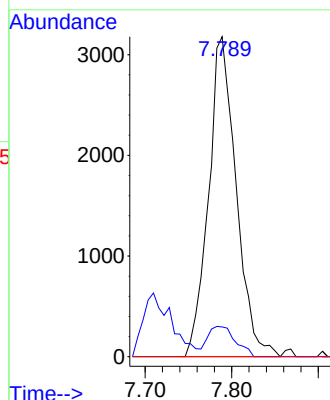
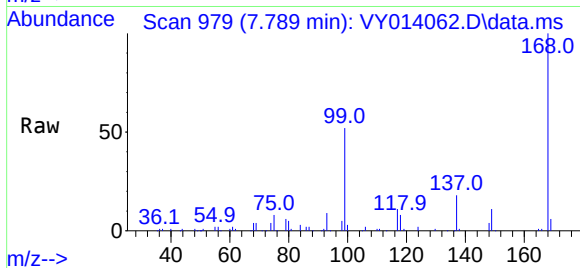
Tgt Ion: 75 Resp: 7041

Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY014062.D

Acq: 07 Jun 2023 16:05

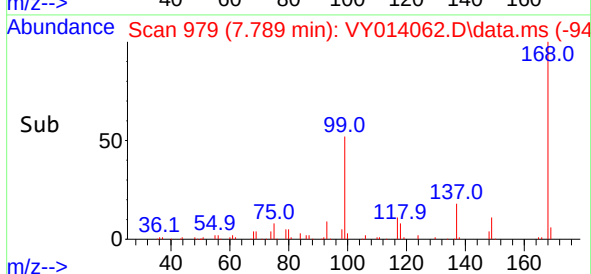
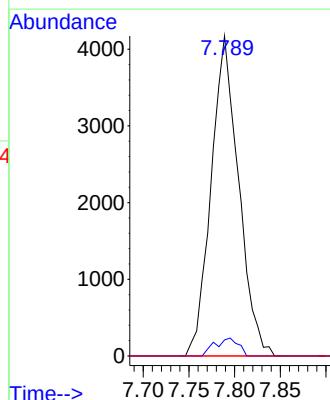
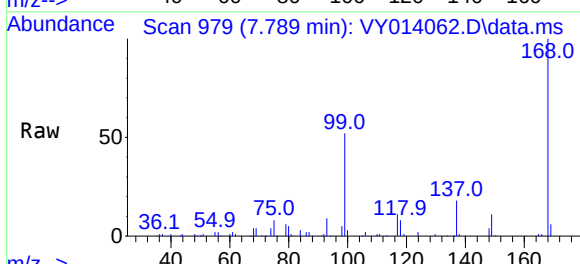
Tgt Ion: 117 Resp: 8741

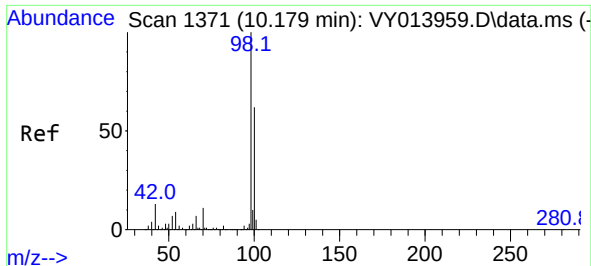
Ion Ratio Lower Upper

117 100

119 5.0 76.4 114.6#

121 0.0 25.8 38.6#

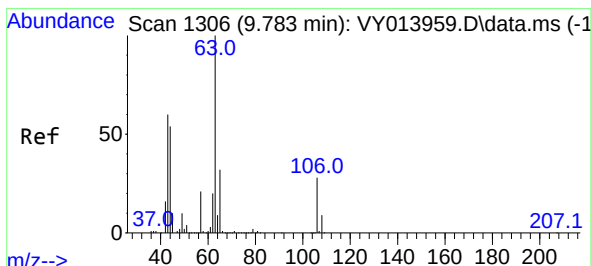
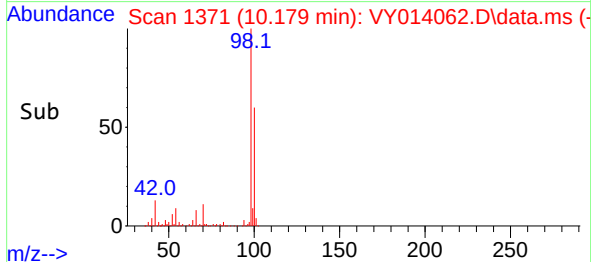
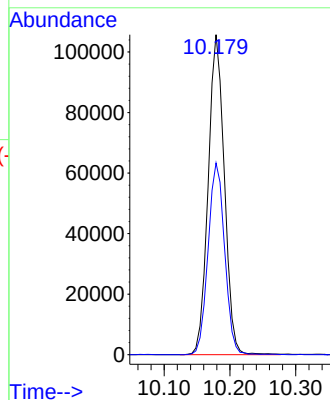
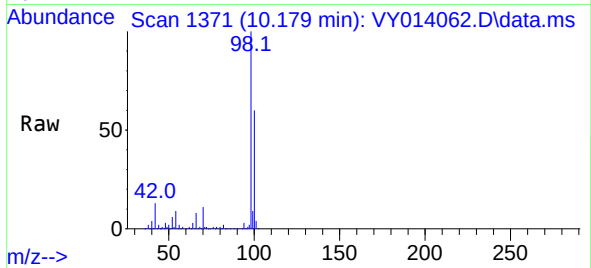




#50
Toluene-d8
Concen: 50.777 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

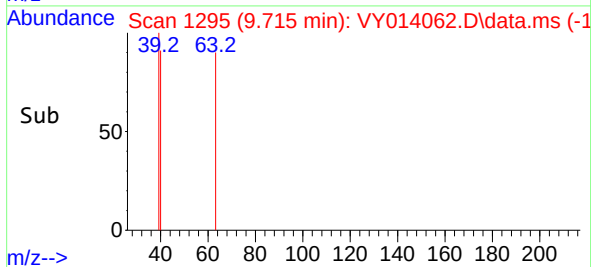
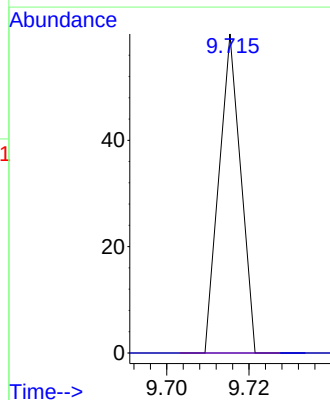
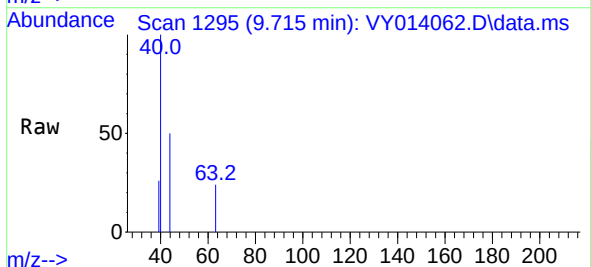
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

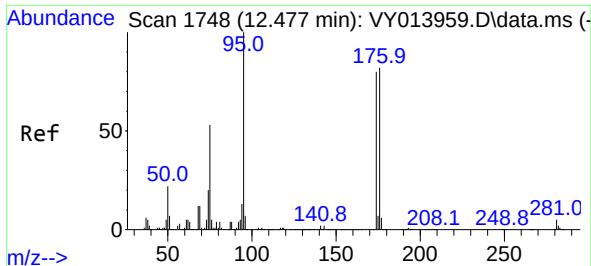
Tgt Ion: 98 Resp: 180863
Ion Ratio Lower Upper
98 100
100 61.3 50.1 75.1



#58
2-Chloroethyl Vinyl ether
Concen: 23.138 ug/l
RT: 9.715 min Scan# 1295
Delta R.T. -0.068 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#

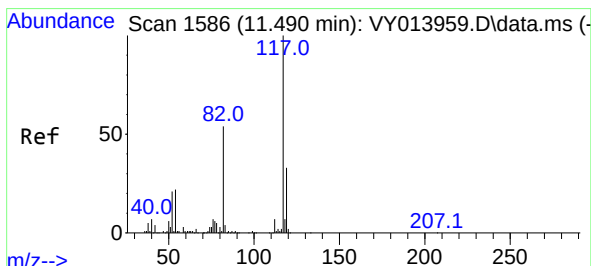
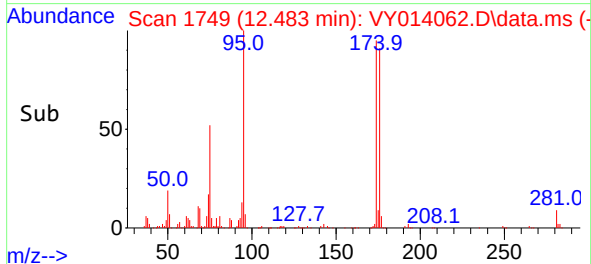
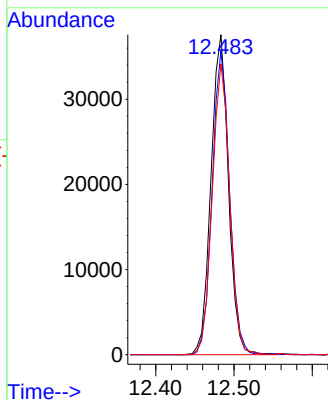
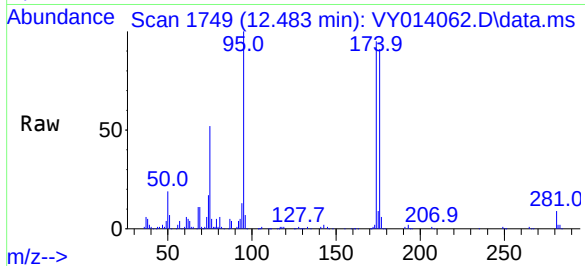




#62
4-Bromofluorobenzene
Concen: 47.970 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

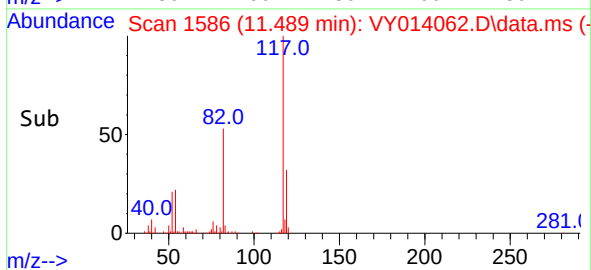
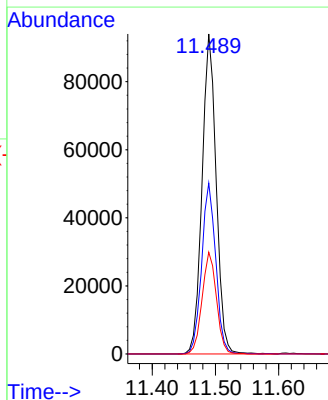
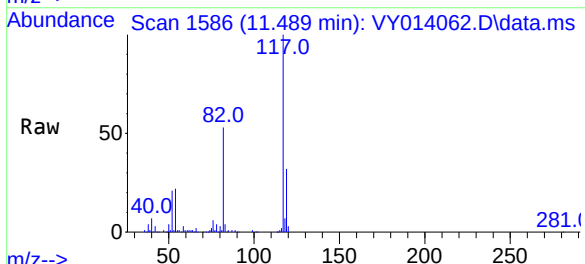
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

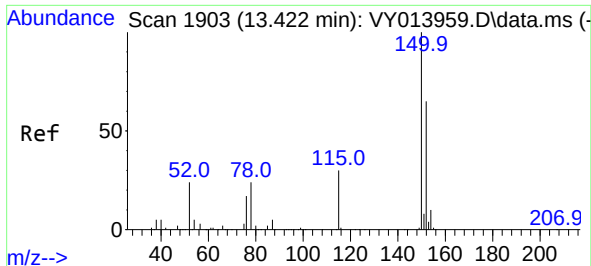
Tgt Ion: 95 Resp: 58252
Ion Ratio Lower Upper
95 100
174 94.6 0.0 178.2
176 90.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion: 117 Resp: 146321
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.8 26.3 39.5

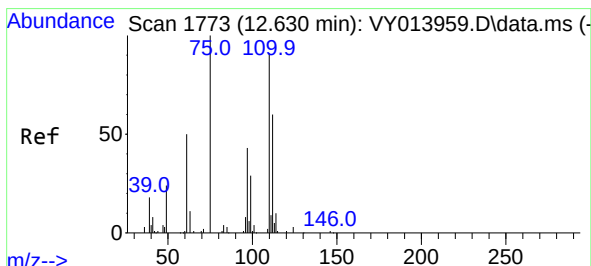
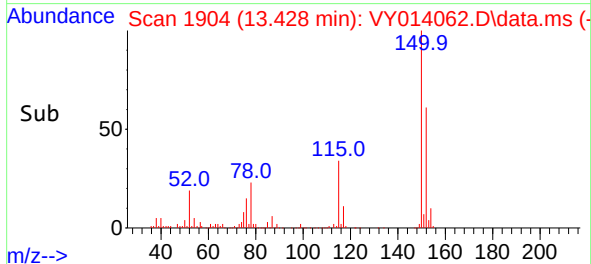
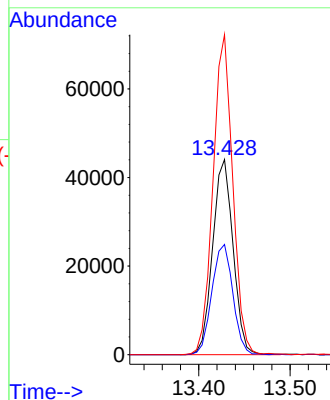
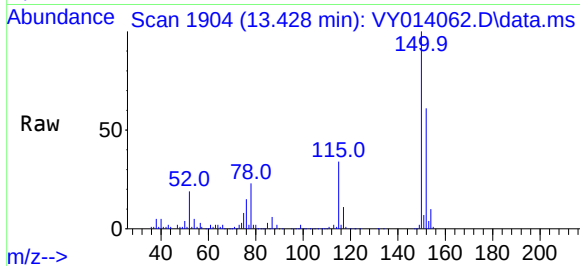




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

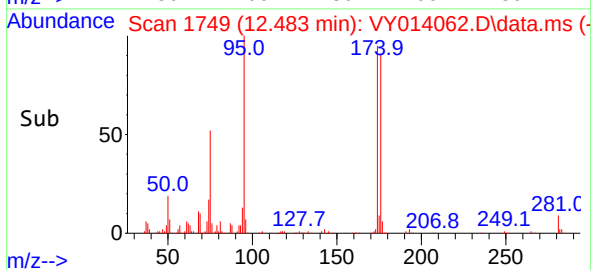
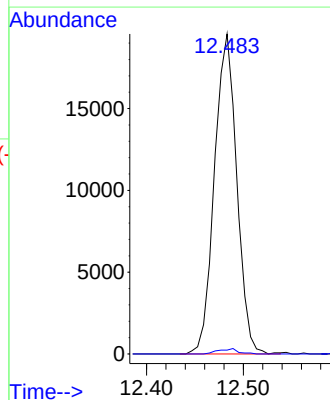
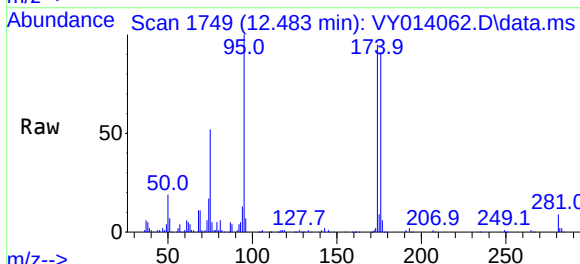
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

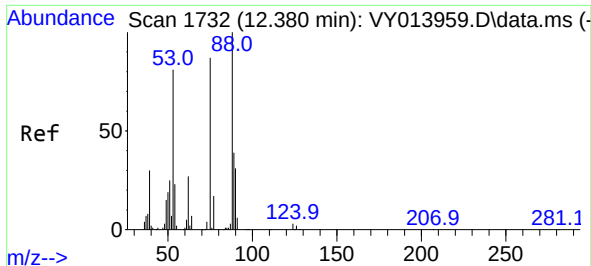
Tgt Ion:152 Resp: 68446
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 158.4 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 34.040 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion: 75 Resp: 31353
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

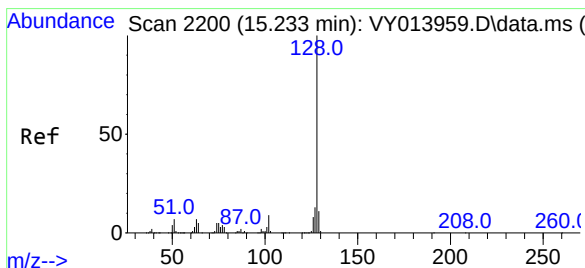
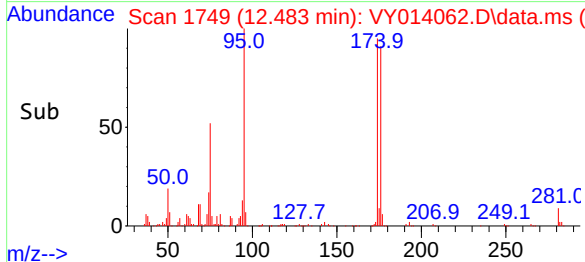
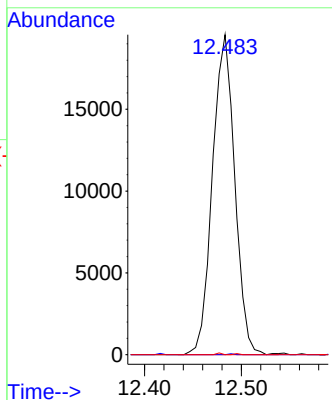
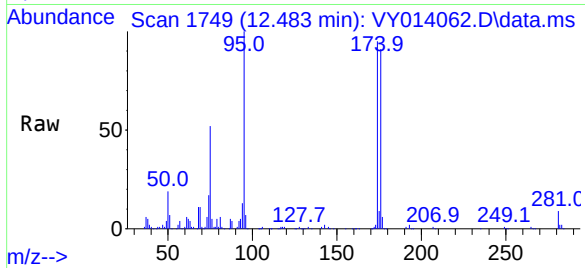




#81
trans-1,4-Dichloro-2-butene
Concen: 72.215 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0

Tgt Ion: 75 Resp: 31353
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 4.650 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY014062.D
Acq: 07 Jun 2023 16:05

Tgt Ion:128 Resp: 2663
Ion Ratio Lower Upper
128 100
127 17.3 10.8 16.2#
129 11.3 8.6 13.0

