

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013846.D
 Acq On : 24 May 2023 15:12
 Operator : KP/MD
 Sample : 02899-08
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB14

Quant Time: May 25 07:08:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

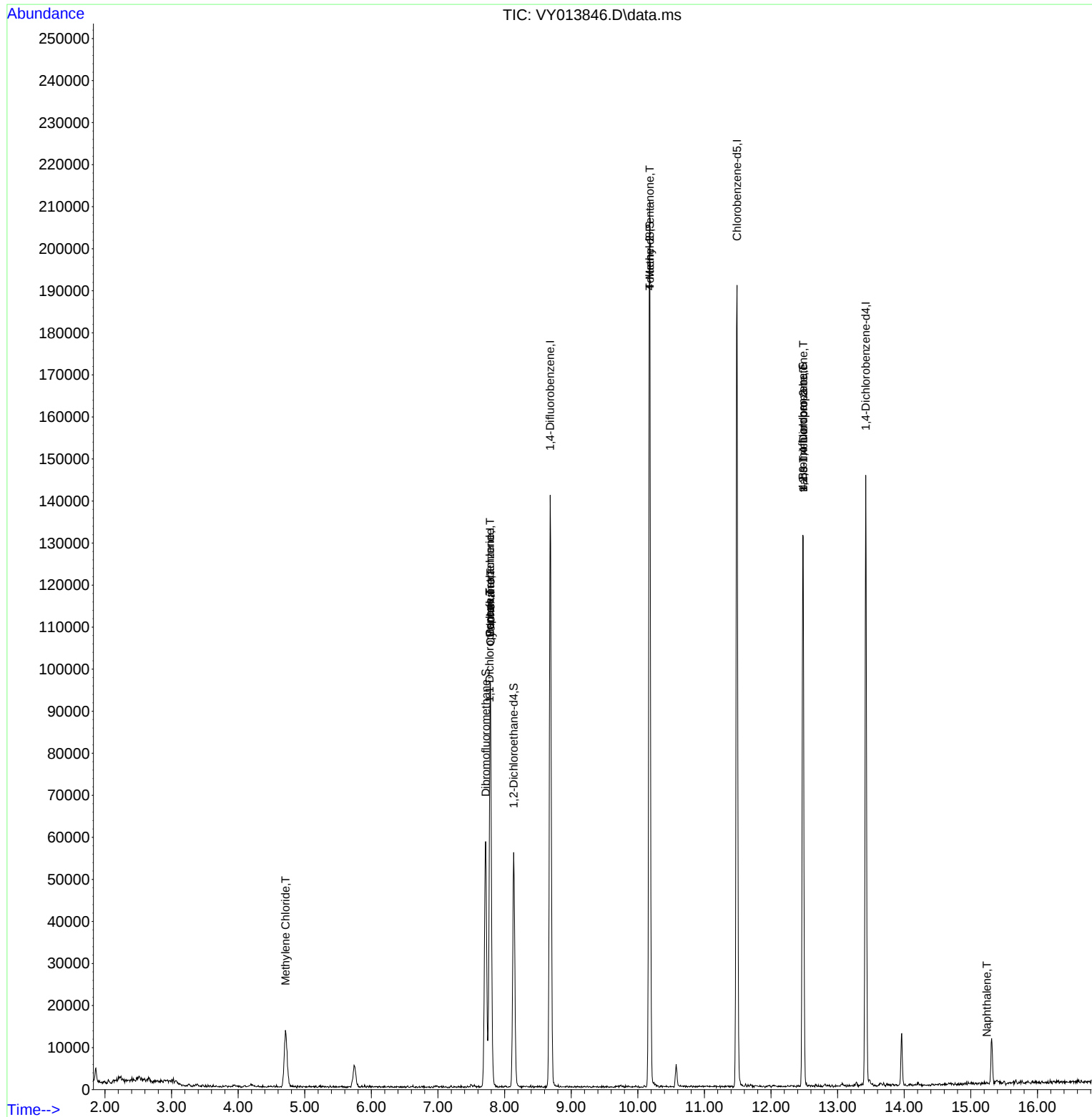
Internal Standards						
1) Pentafluorobenzene	7.783	168	74229	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	116253	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.489	117	101728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	36741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	45710	53.228	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.460%	
35) Dibromofluoromethane	7.716	113	40202	53.548	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.100%	
50) Toluene-d8	10.179	98	137413	48.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	12.477	95	36948	38.955	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.900%	
Target Compounds						Qvalue
20) Methylene Chloride	4.710	84	9719	8.654	ug/l	94
31) Cyclohexane	7.789	56	1607	1.218	ug/l #	23
36) 1,1-Dichloropropene	7.777	75	5333	4.664	ug/l #	51
38) Carbon Tetrachloride	7.783	117	7206	5.541	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	739	1.091	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	20175	46.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20175	101.087	ug/l #	10
95) Naphthalene	15.239	128	350	4.752	ug/l #	68

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

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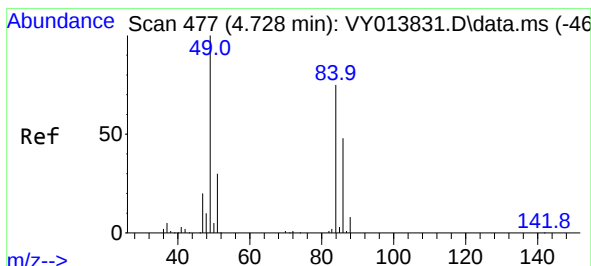
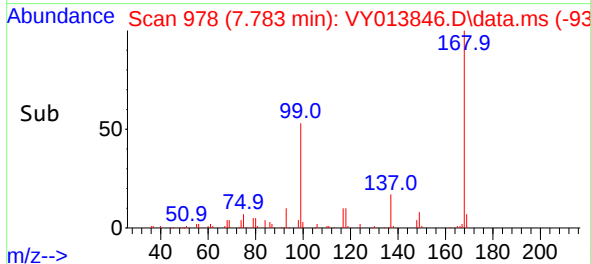
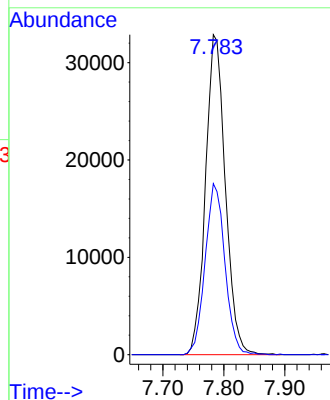
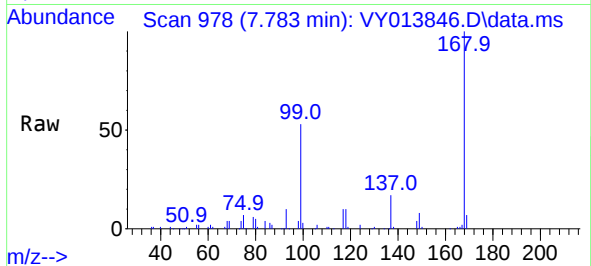




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

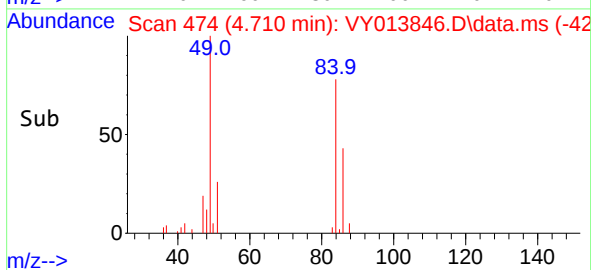
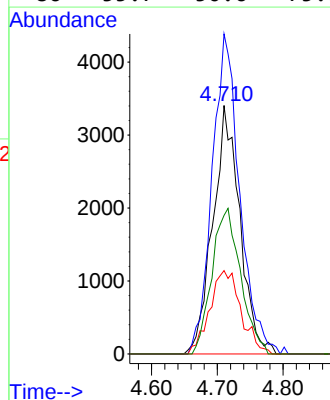
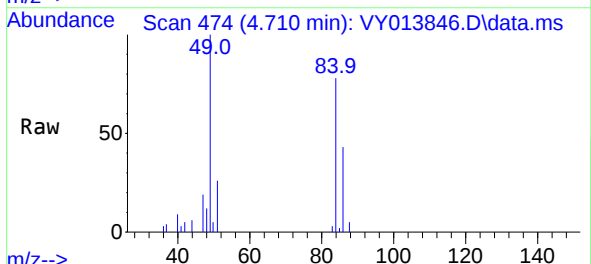
Instrument :
MSVOA_Y
ClientSampleId :
SB14

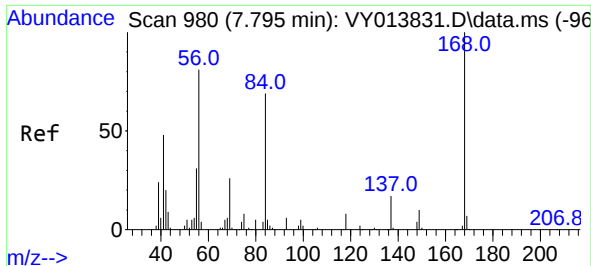
Tgt Ion:168 Resp: 74229
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.2



#20
Methylene Chloride
Concen: 8.654 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

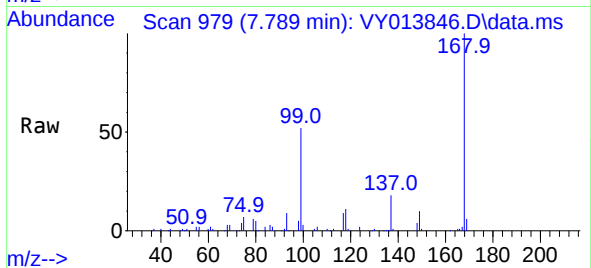
Tgt Ion: 84 Resp: 9719
Ion Ratio Lower Upper
84 100
49 128.8 106.2 159.2
51 33.6 31.4 47.0
86 55.7 50.6 75.8



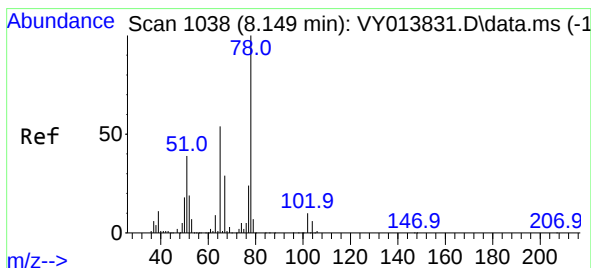
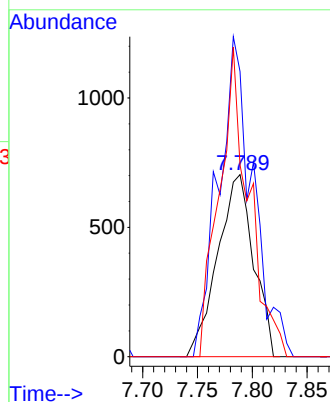
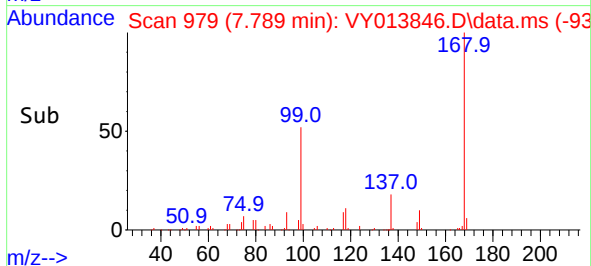


#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Instrument :
MSVOA_Y
ClientSampleId :
SB14

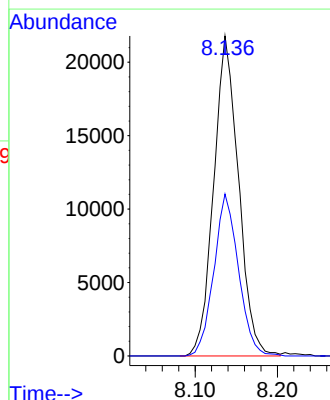
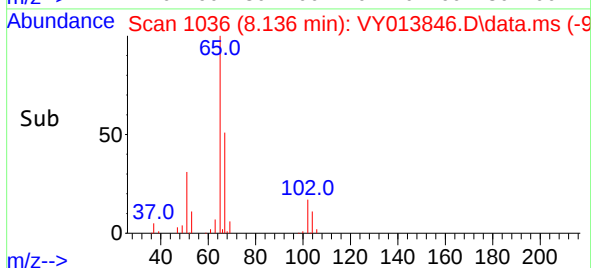
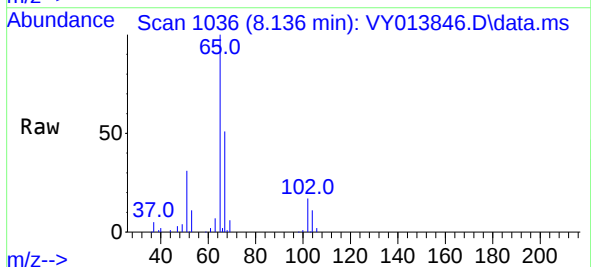


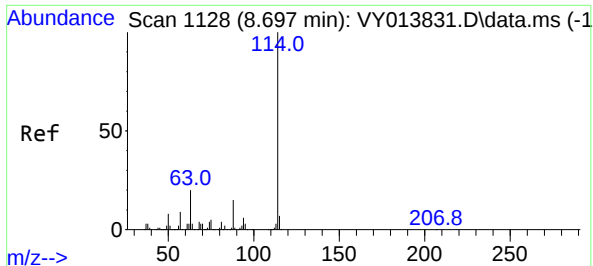
Tgt Ion: 56 Resp: 1607
Ion Ratio Lower Upper
56 100
69 156.5 25.8 38.8#
84 105.3 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 53.228 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Tgt Ion: 65 Resp: 45710
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.012 min

Lab File: VY013846.D

Acq: 24 May 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SB14

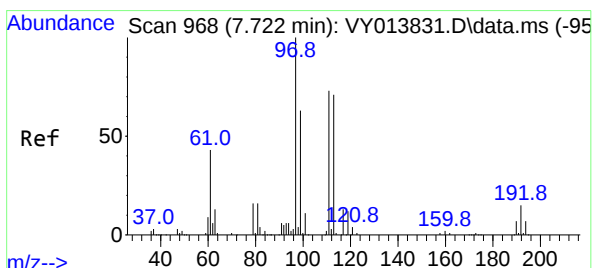
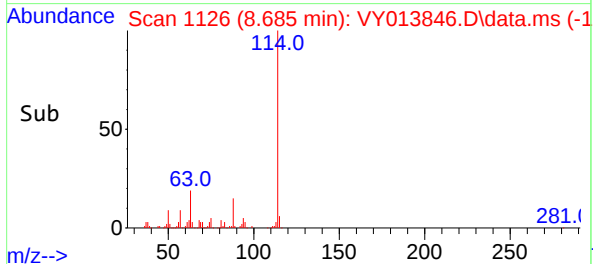
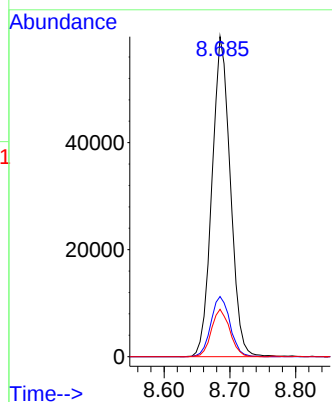
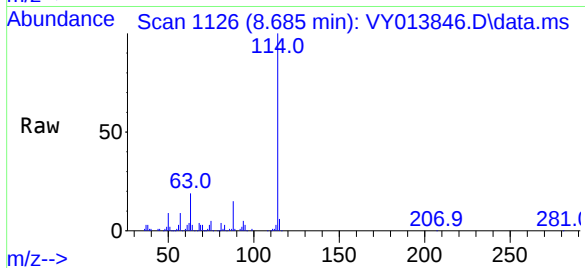
Tgt Ion:114 Resp: 116253

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.2

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.548 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013846.D

Acq: 24 May 2023 15:12

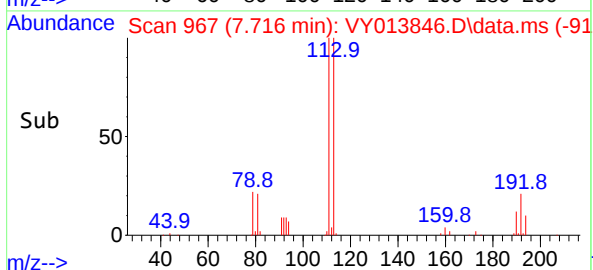
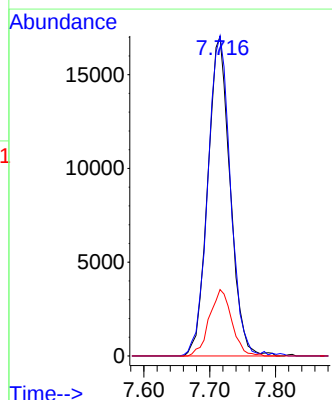
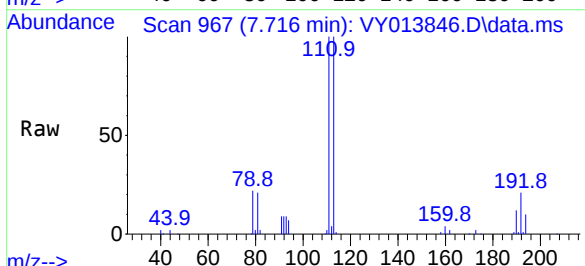
Tgt Ion:113 Resp: 40202

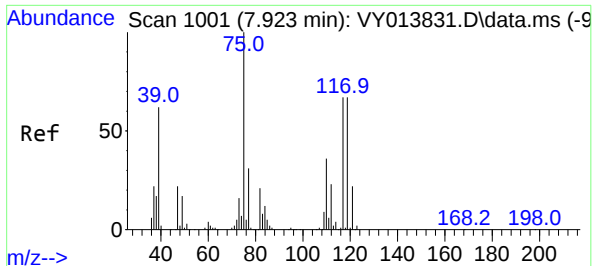
Ion Ratio Lower Upper

113 100

111 101.4 80.4 120.6

192 20.9 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.664 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.146 min

Lab File: VY013846.D

Acq: 24 May 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

SB14

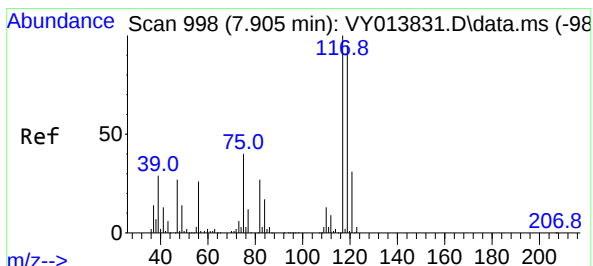
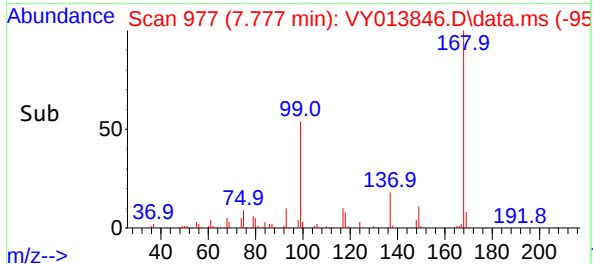
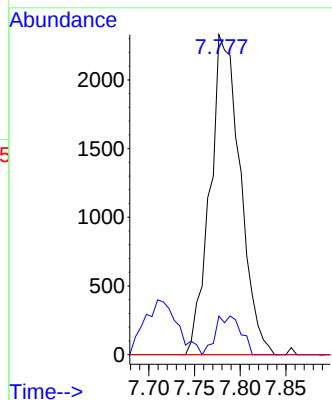
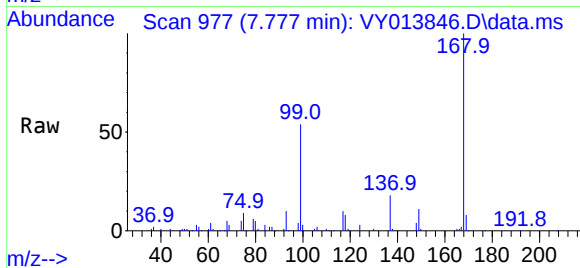
Tgt Ion: 75 Resp: 5333

Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY013846.D

Acq: 24 May 2023 15:12

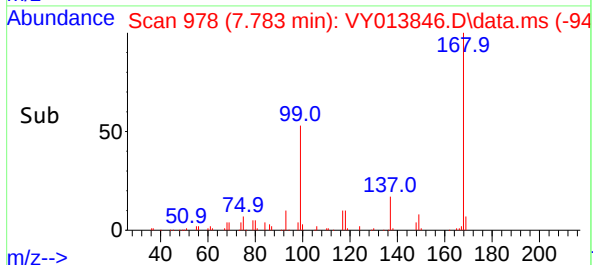
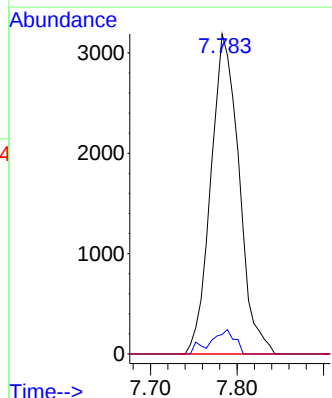
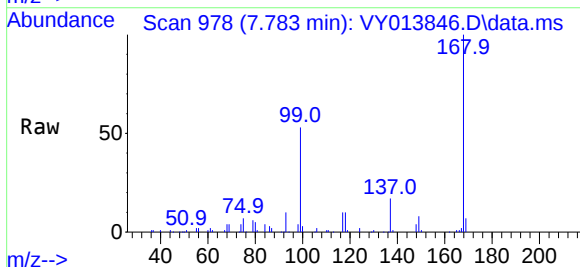
Tgt Ion: 117 Resp: 7206

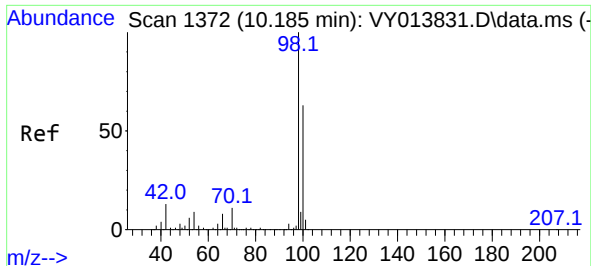
Ion Ratio Lower Upper

117 100

119 6.1 75.6 113.4#

121 0.0 24.8 37.2#

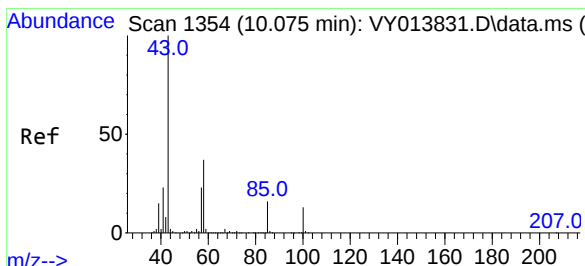
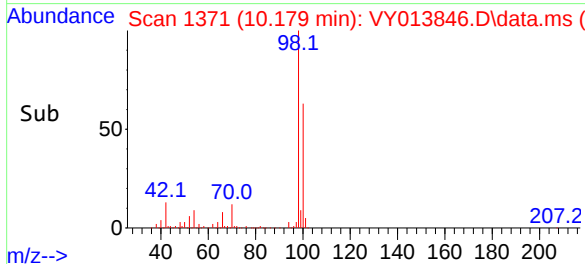
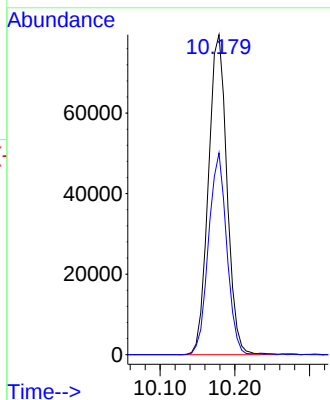
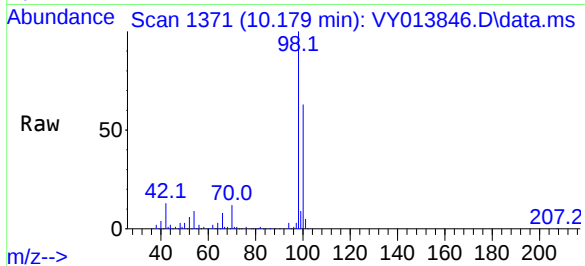




#50
Toluene-d8
Concen: 48.157 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

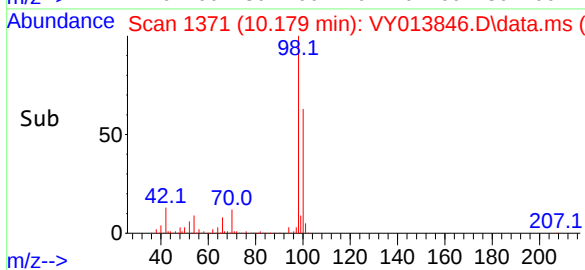
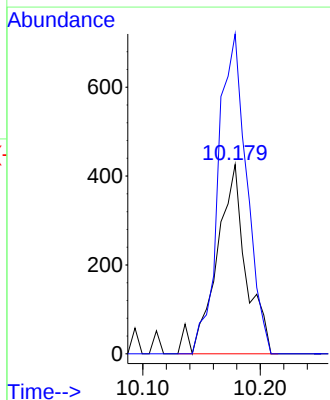
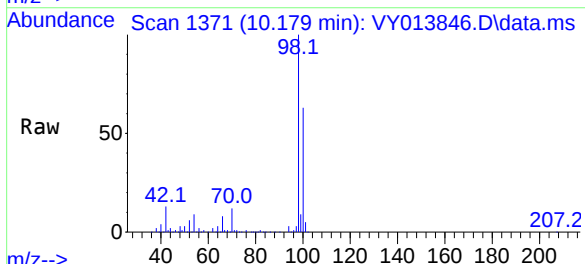
Instrument :
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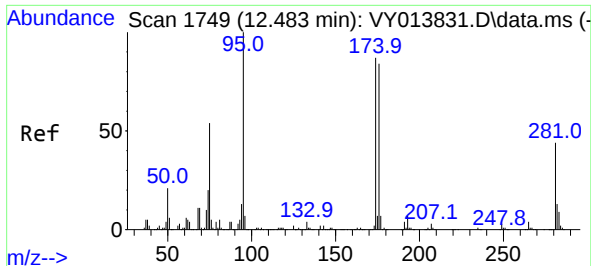
Tgt Ion: 98 Resp: 137413
Ion Ratio Lower Upper
98 100
100 62.1 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.091 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Tgt Ion: 43 Resp: 739
Ion Ratio Lower Upper
43 100
58 163.6 29.1 43.7#

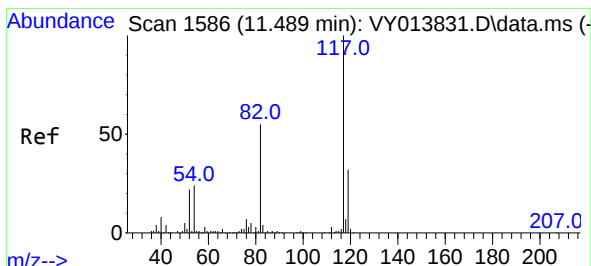
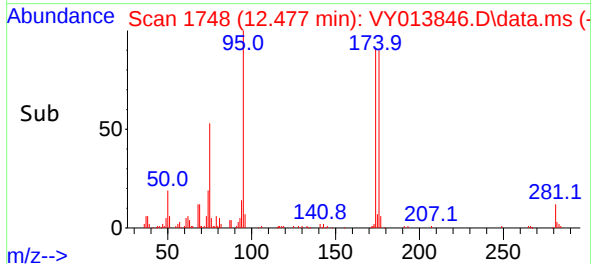
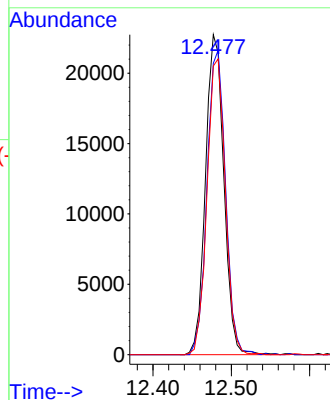
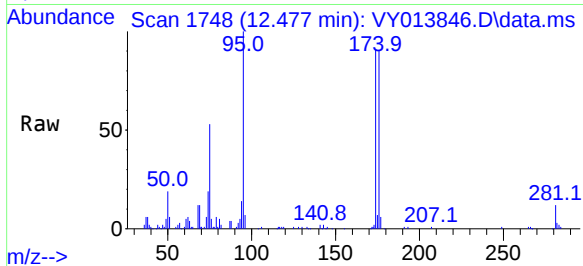




#62
4-Bromofluorobenzene
Concen: 38.955 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

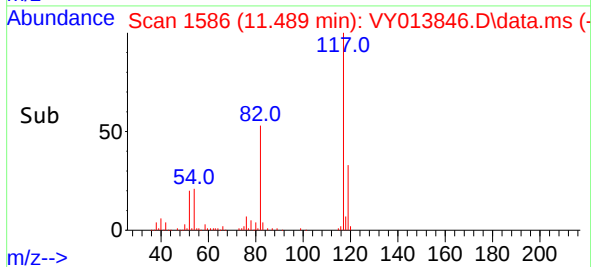
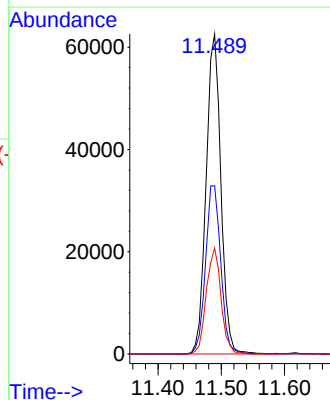
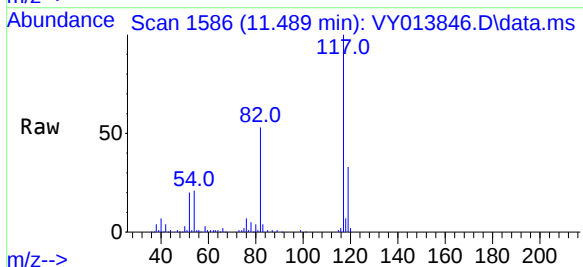
Instrument :
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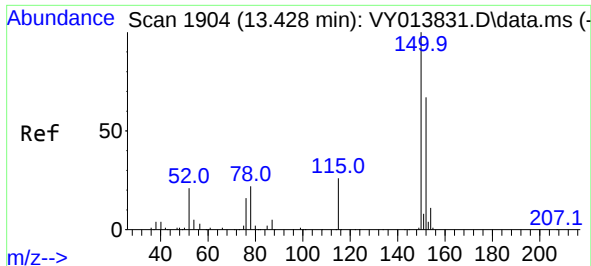
Tgt Ion: 95 Resp: 36948
Ion Ratio Lower Upper
95 100
174 95.8 0.0 176.0
176 92.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Tgt Ion: 117 Resp: 101728
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.4
119 33.1 25.7 38.5

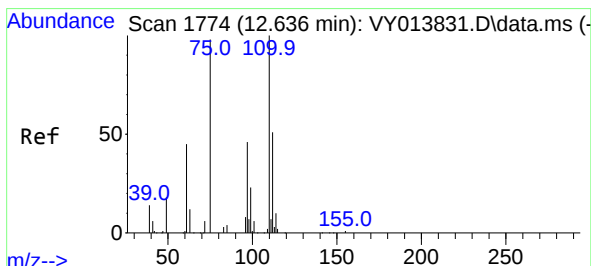
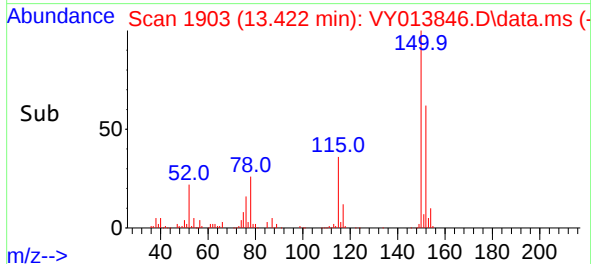
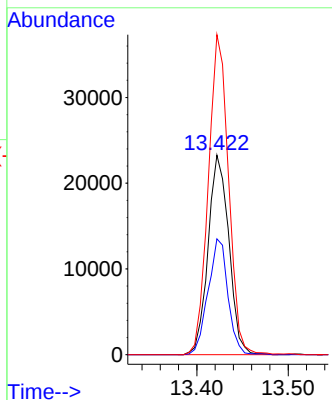
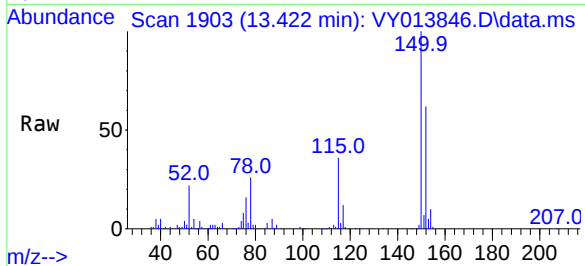




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

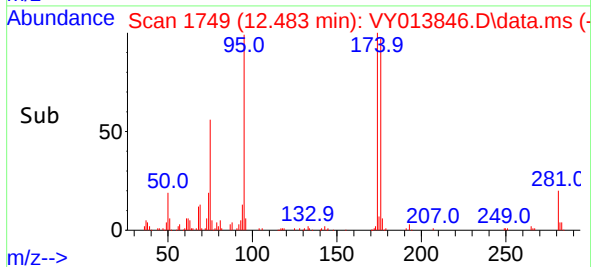
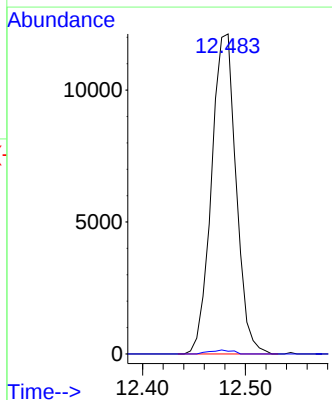
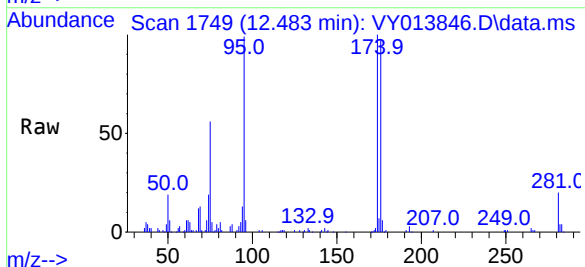
Instrument :
MSVOA_Y
ClientSampleId :
SB14

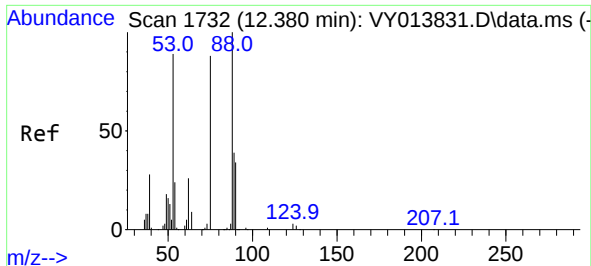
Tgt Ion:152 Resp: 36741
Ion Ratio Lower Upper
152 100
115 55.6 28.8 86.5
150 156.6 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 46.569 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Tgt Ion: 75 Resp: 20175
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

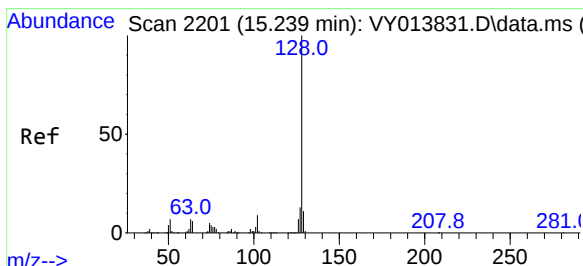
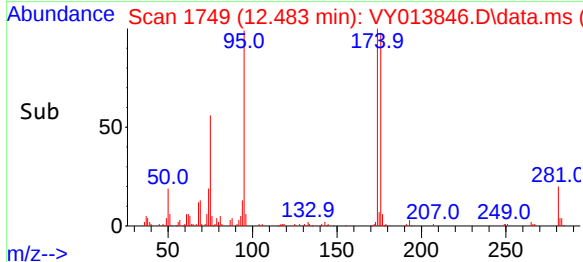
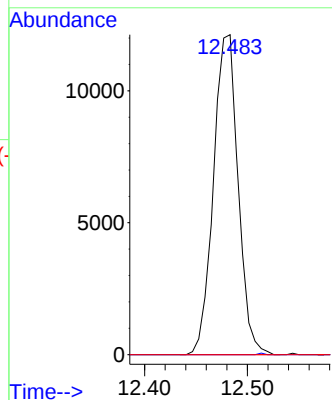
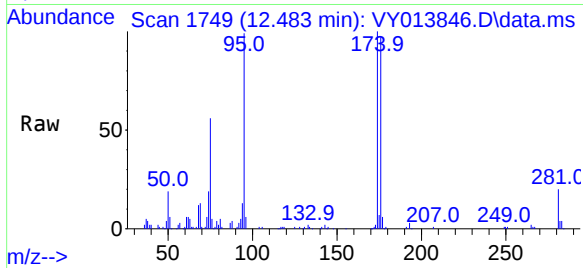




#81
trans-1,4-Dichloro-2-butene
Concen: 101.087 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Instrument :
MSVOA_Y
ClientSampleId :
SB14

Tgt Ion: 75 Resp: 20175
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 4.752 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013846.D
Acq: 24 May 2023 15:12

Tgt Ion: 128 Resp: 350
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

