

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013854.D
 Acq On : 24 May 2023 18:19
 Operator : KP/MD
 Sample : 02908-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB10A

Quant Time: May 25 07:09:50 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)

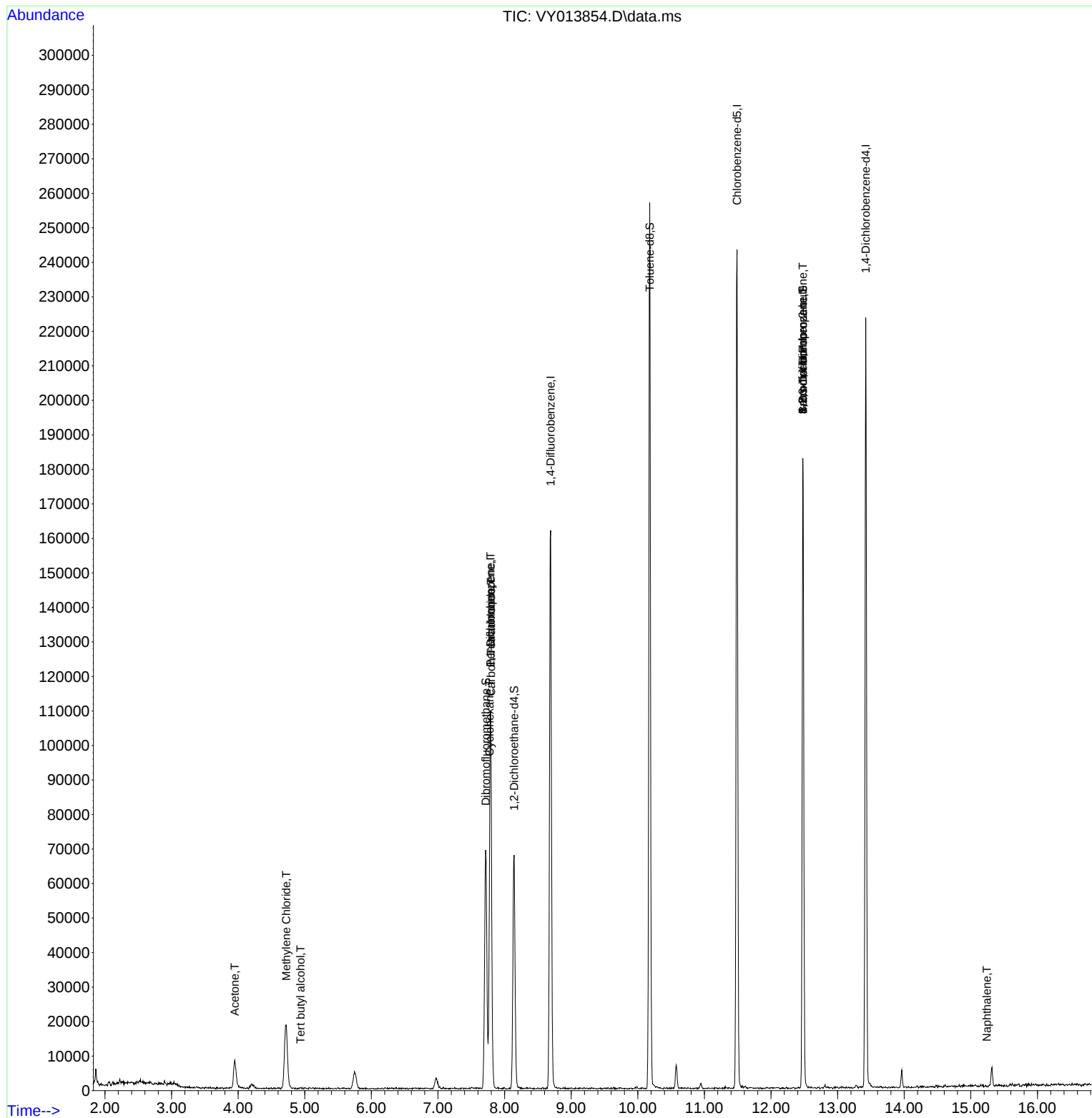
Internal Standards						
1) Pentafluorobenzene	7.789	168	85299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	137170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55428	56.168	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	112.340%	
35) Dibromofluoromethane	7.716	113	47272	53.363	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	106.720%	
50) Toluene-d8	10.179	98	167403	49.721	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	99.440%	
62) 4-Bromofluorobenzene	12.477	95	50000	44.677	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	89.360%	
Target Compounds						
11) Tert butyl alcohol	4.936	59	163	2.156	ug/l #	73
16) Acetone	3.948	43	14972	51.118	ug/l	100
20) Methylene Chloride	4.722	84	14278	11.809	ug/l	92
31) Cyclohexane	7.777	56	2000	1.319	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	6452	4.782	ug/l #	50
38) Carbon Tetrachloride	7.795	117	8672	5.652	ug/l #	19
71) Bromoform	12.477	173	806	1.151	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	27414	39.905	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	27414	86.621	ug/l #	10
95) Naphthalene	15.239	128	132	4.597	ug/l #	68

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

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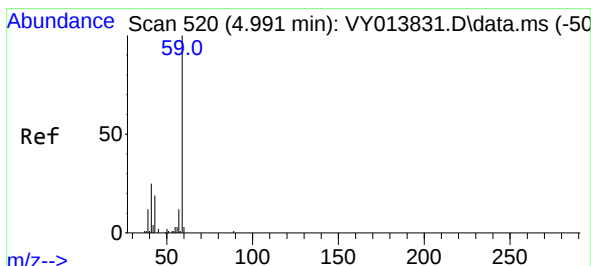
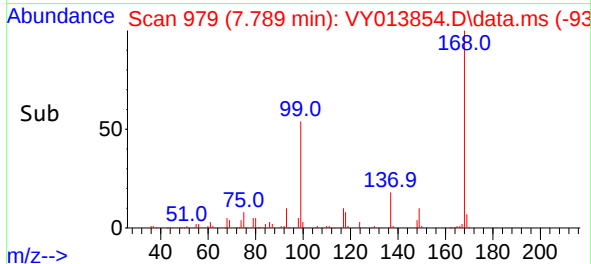
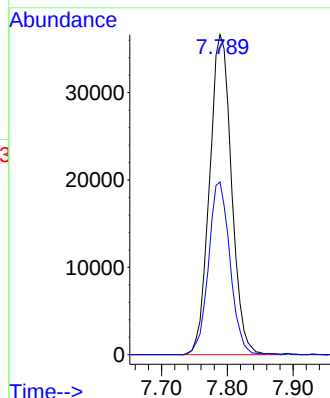
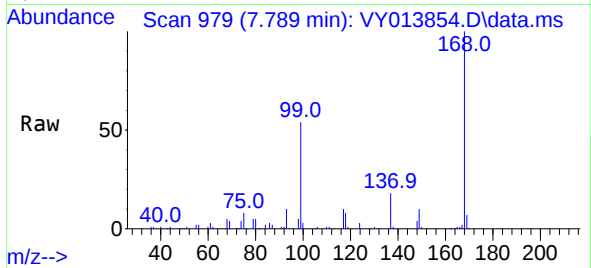




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

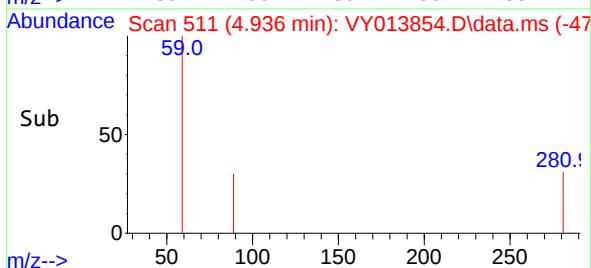
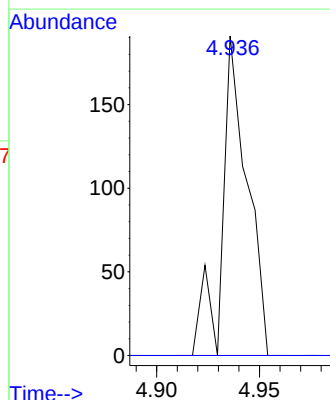
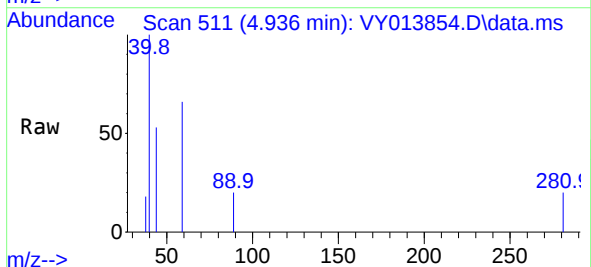
Instrument :
MSVOA_Y
ClientSampleId :
SB10A

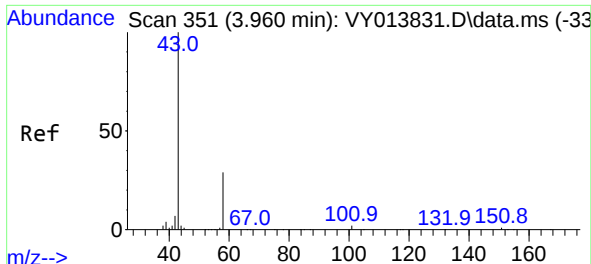
Tgt Ion:168 Resp: 85299
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.2



#11
Tert butyl alcohol
Concen: 2.156 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.055 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

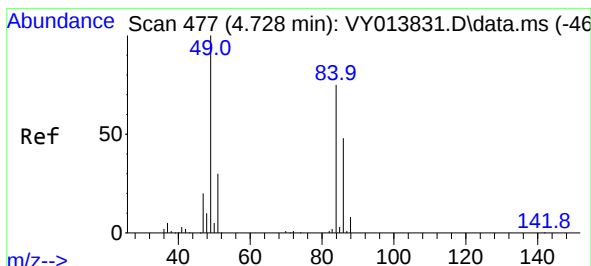
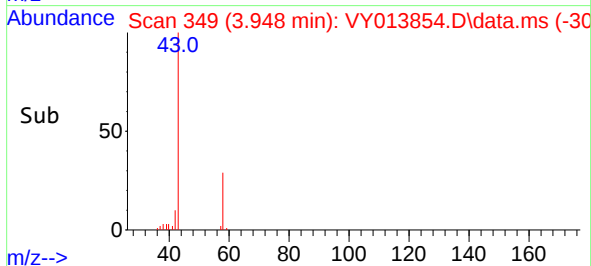
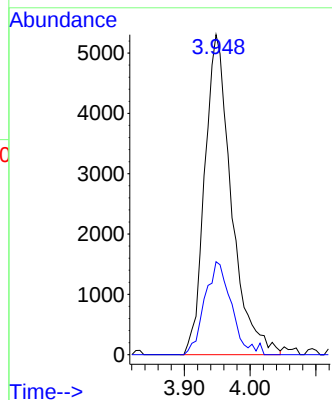
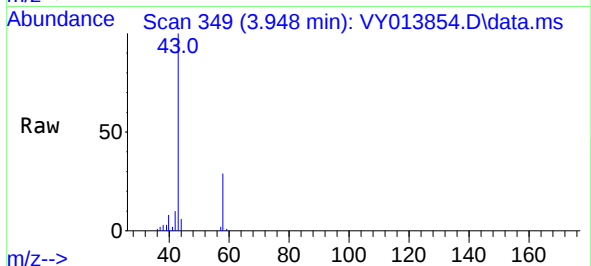




#16
Acetone
Concen: 51.118 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

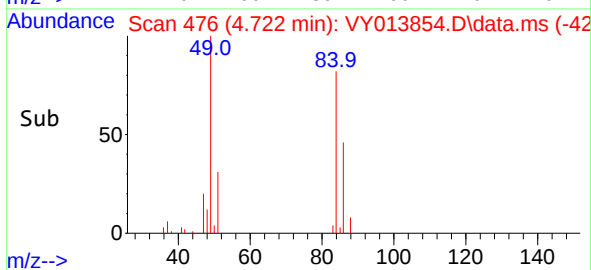
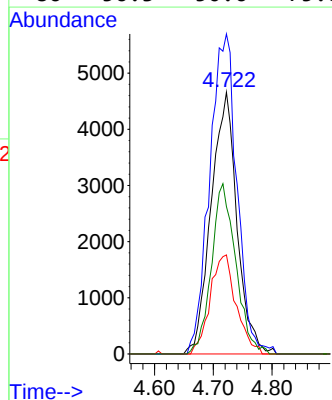
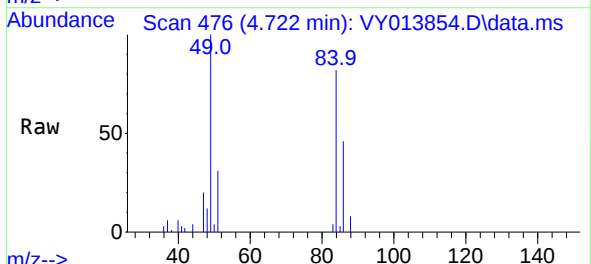
Instrument :
MSVOA_Y
ClientSampleId :
SB10A

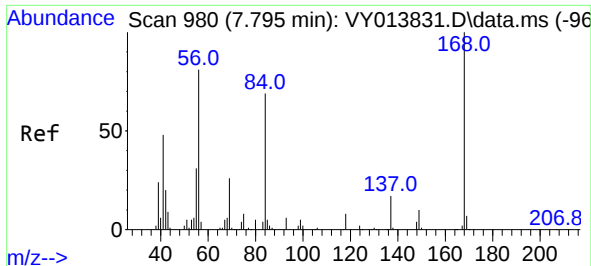
Tgt Ion: 43 Resp: 14972
Ion Ratio Lower Upper
43 100
58 29.0 23.3 34.9



#20
Methylene Chloride
Concen: 11.809 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion: 84 Resp: 14278
Ion Ratio Lower Upper
84 100
49 122.2 106.2 159.2
51 37.8 31.4 47.0
86 56.3 50.6 75.8

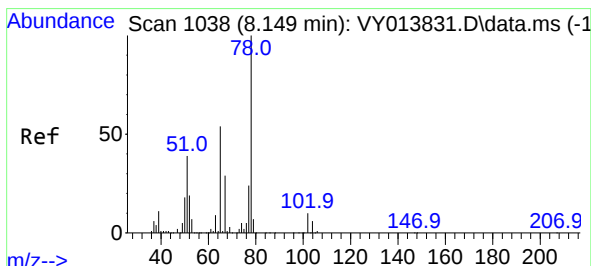
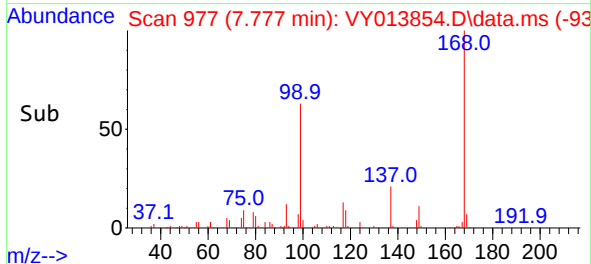
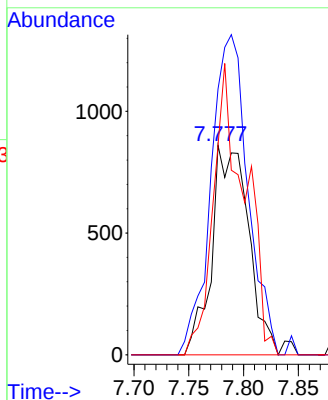
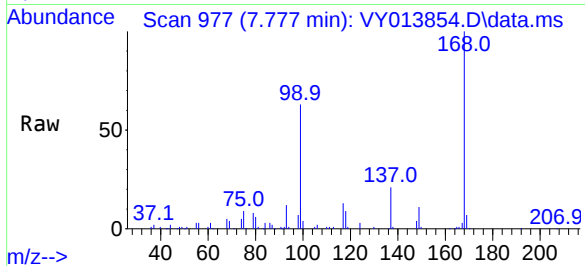




#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

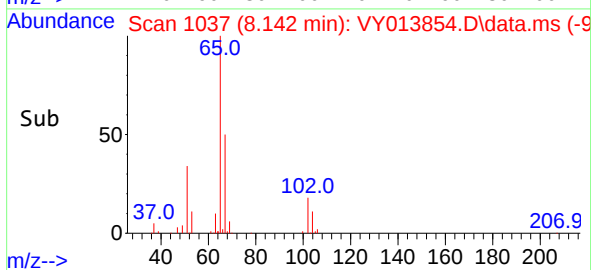
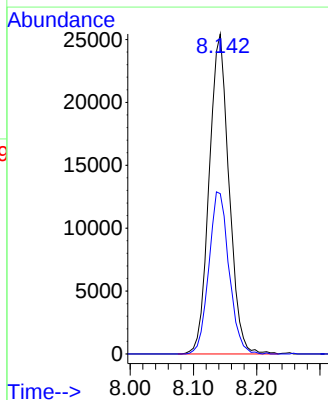
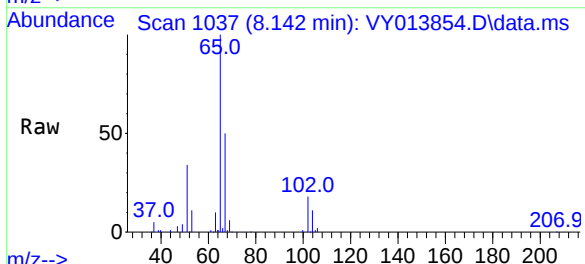
Instrument :
MSVOA_Y
ClientSampleId :
SB10A

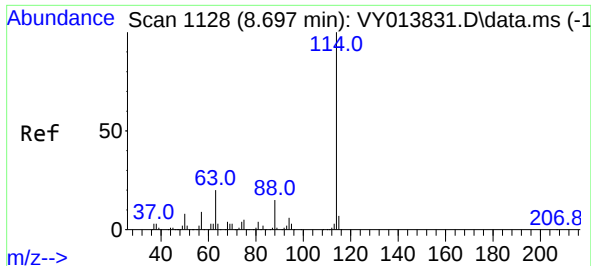
Tgt Ion: 56 Resp: 2000
Ion Ratio Lower Upper
56 100
69 127.0 25.8 38.8#
84 100.0 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 56.168 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion: 65 Resp: 55428
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY013854.D

Acq: 24 May 2023 18:19

Instrument :

MSVOA_Y

ClientSampleId :

SB10A

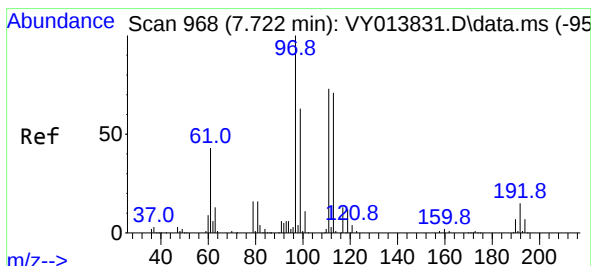
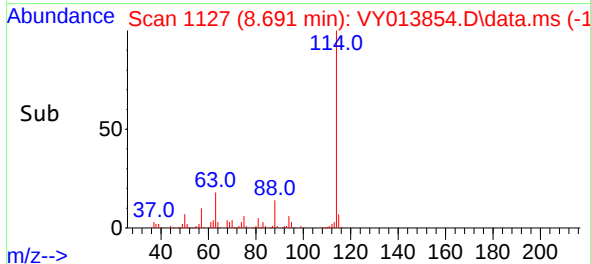
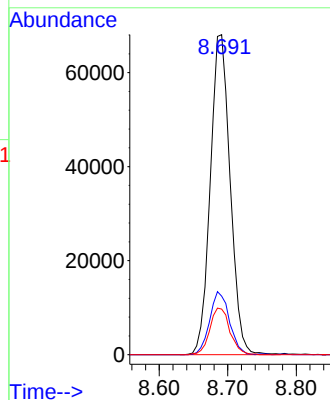
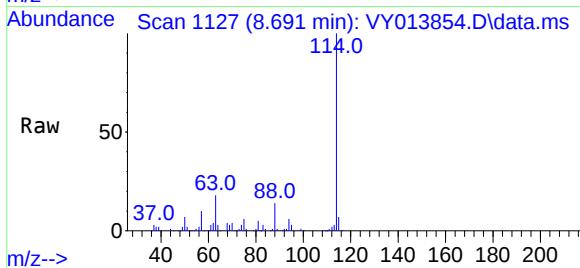
Tgt Ion:114 Resp: 137170

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.2

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.363 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013854.D

Acq: 24 May 2023 18:19

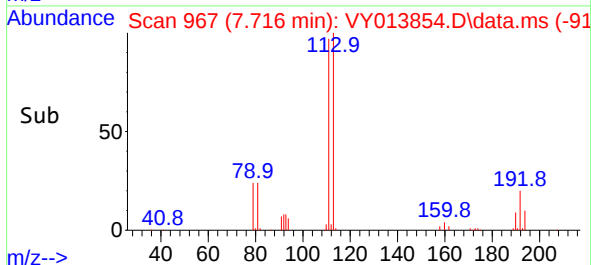
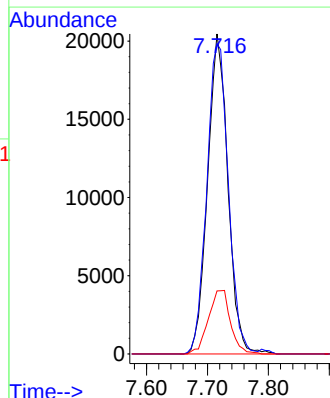
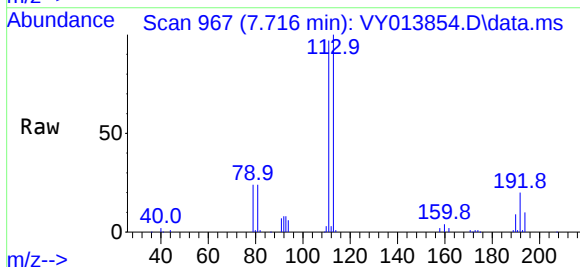
Tgt Ion:113 Resp: 47272

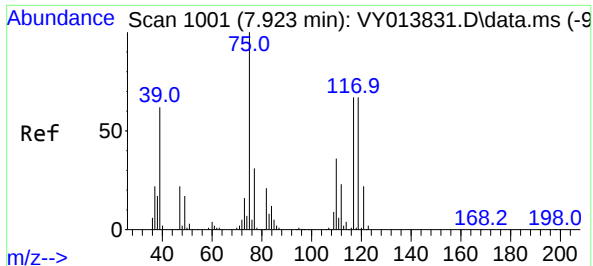
Ion Ratio Lower Upper

113 100

111 103.3 80.4 120.6

192 21.7 16.6 25.0





#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013854.D

Acq: 24 May 2023 18:19

Instrument :

MSVOA_Y

ClientSampleId :

SB10A

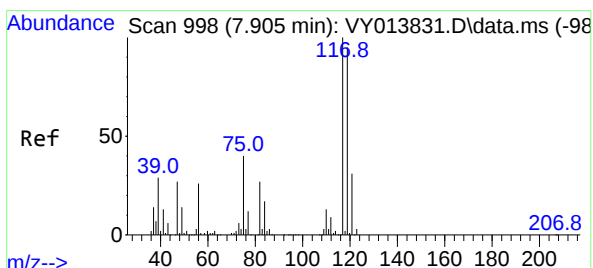
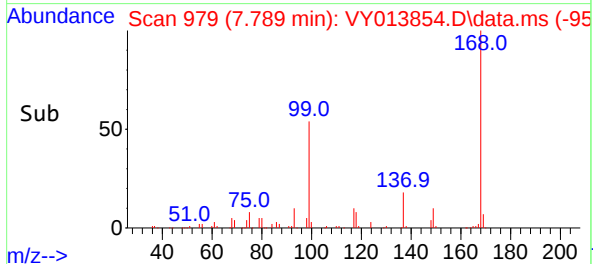
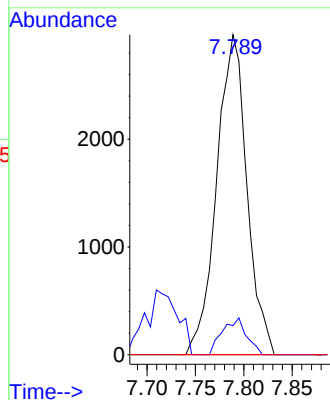
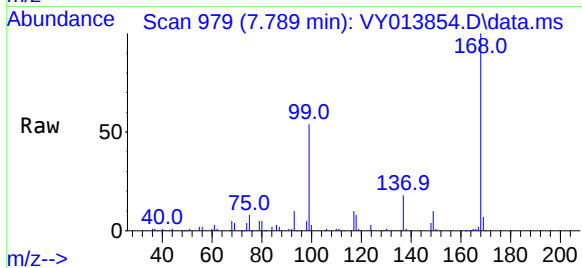
Tgt Ion: 75 Resp: 6452

Ion Ratio Lower Upper

75 100

110 9.2 17.5 52.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.652 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY013854.D

Acq: 24 May 2023 18:19

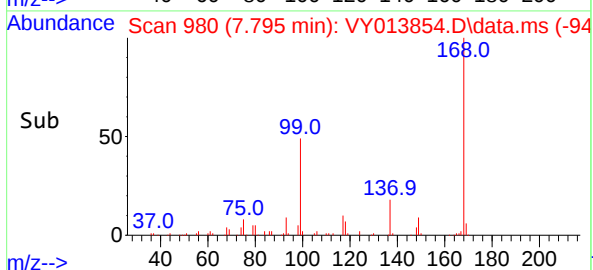
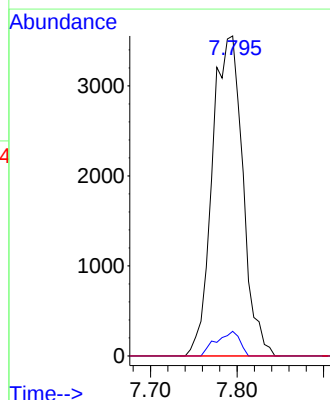
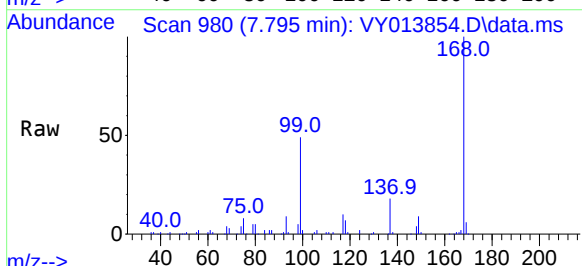
Tgt Ion: 117 Resp: 8672

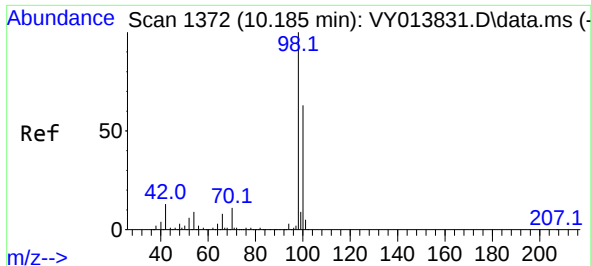
Ion Ratio Lower Upper

117 100

119 7.7 75.6 113.4#

121 0.0 24.8 37.2#

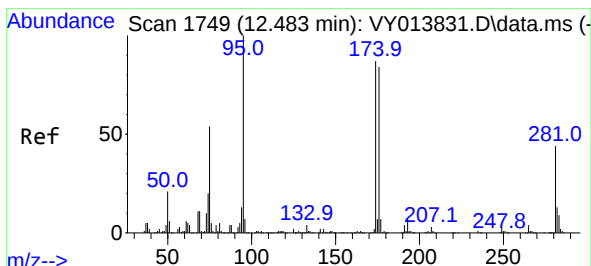
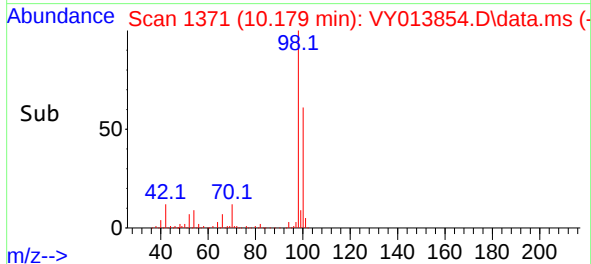
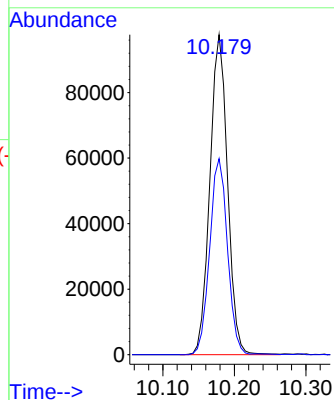
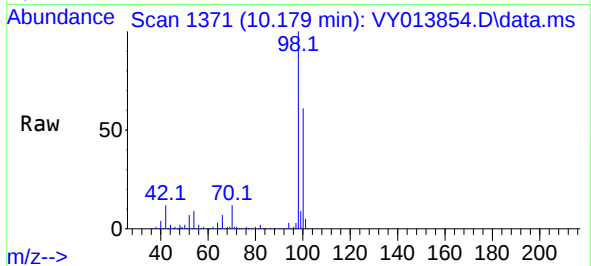




#50
Toluene-d8
Concen: 49.721 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

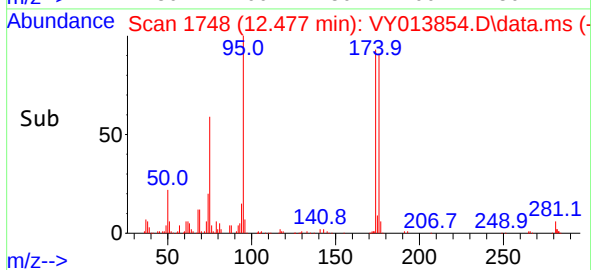
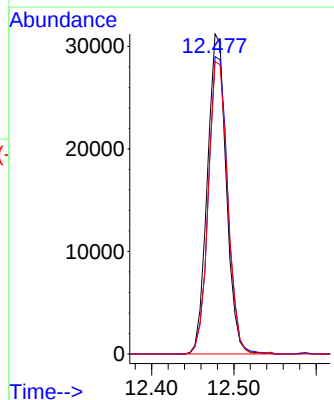
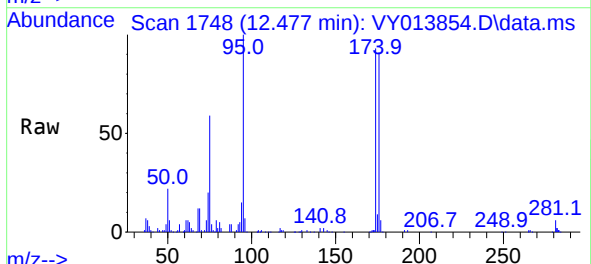
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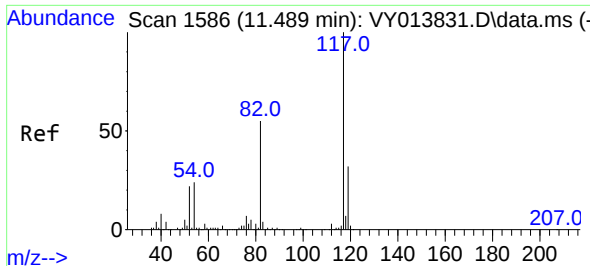
Tgt Ion: 98 Resp: 167403
Ion Ratio Lower Upper
98 100
100 61.7 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 44.677 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion: 95 Resp: 50000
Ion Ratio Lower Upper
95 100
174 94.8 0.0 176.0
176 93.2 0.0 170.2

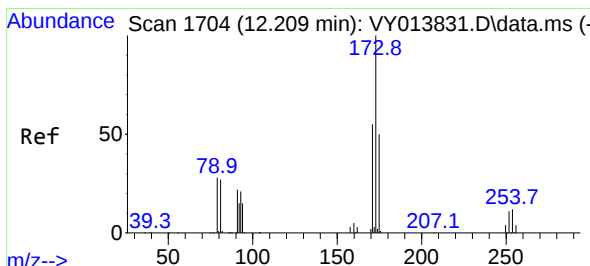
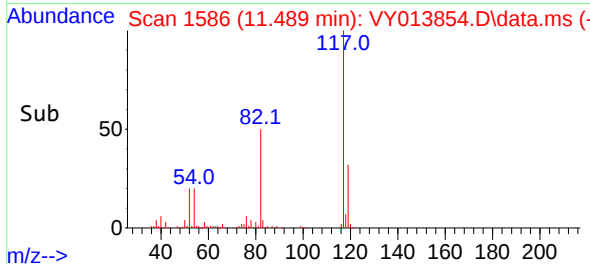
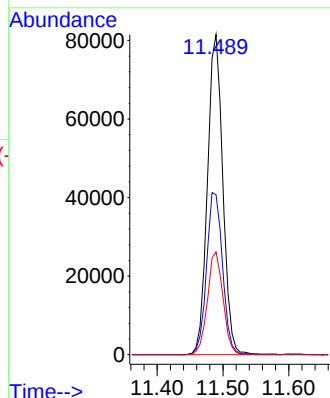
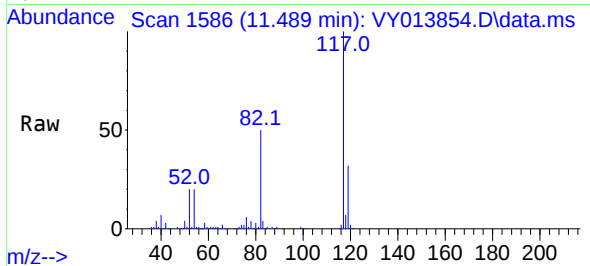




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

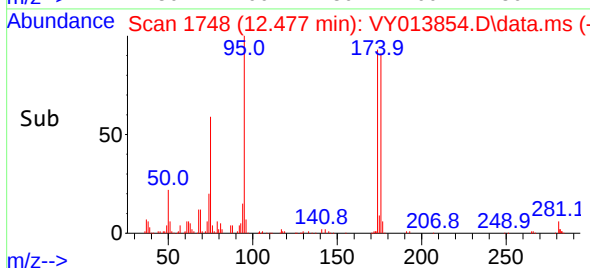
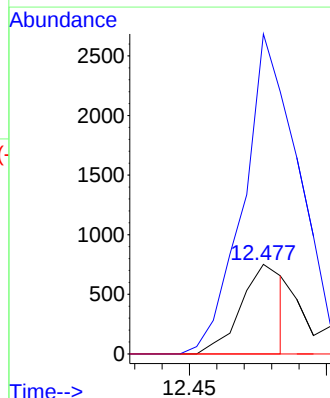
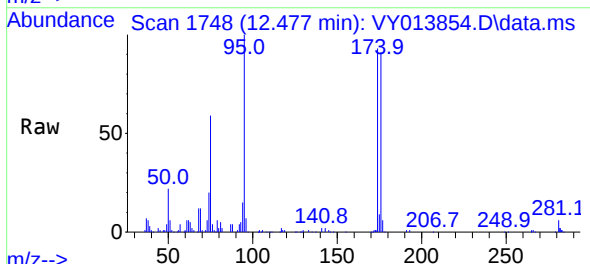
Instrument :
MSVOA_Y
ClientSampleId :
SB10A

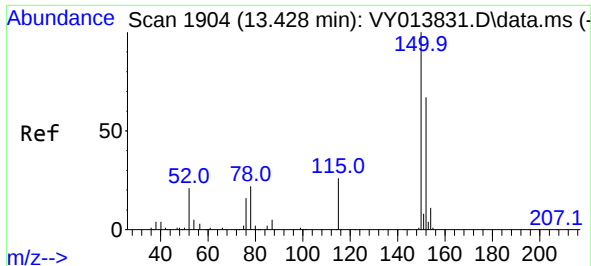
Tgt Ion:117 Resp: 132487
Ion Ratio Lower Upper
117 100
82 50.0 44.2 66.4
119 32.1 25.7 38.5



#71
Bromoform
Concen: 1.151 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.268 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion:173 Resp: 806
Ion Ratio Lower Upper
173 100
175 336.0 25.1 75.4#
254 0.0 0.1 0.1#

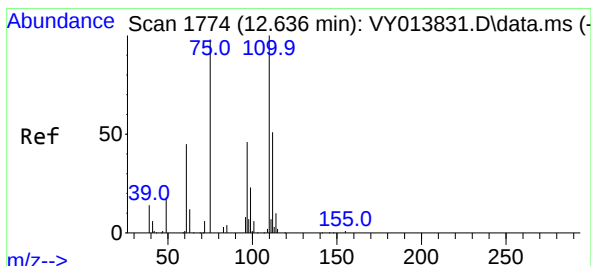
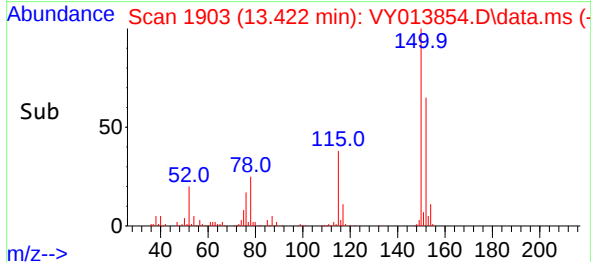
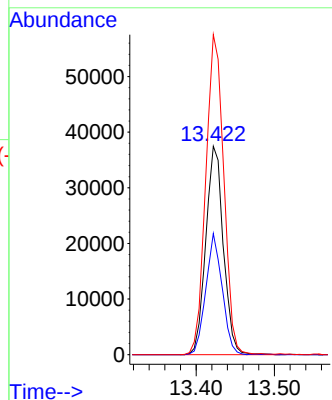
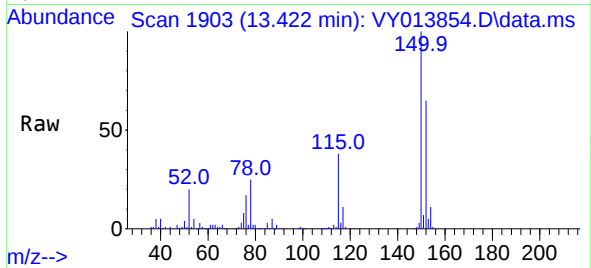




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

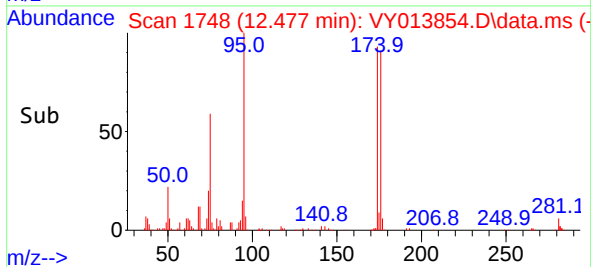
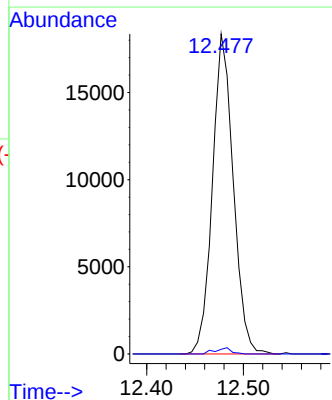
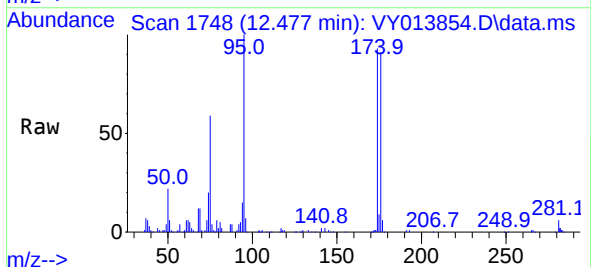
Instrument :
MSVOA_Y
ClientSampleId :
SB10A

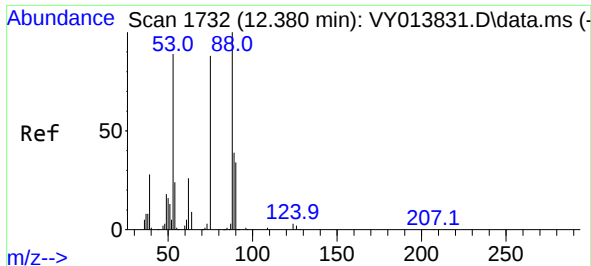
Tgt Ion:152 Resp: 58262
Ion Ratio Lower Upper
152 100
115 54.0 28.8 86.5
150 157.3 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 39.905 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion: 75 Resp: 27414
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

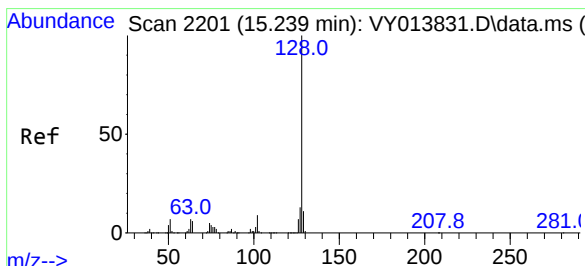
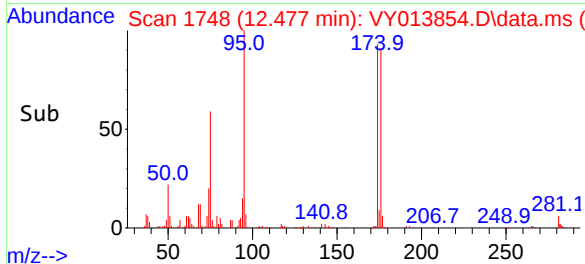
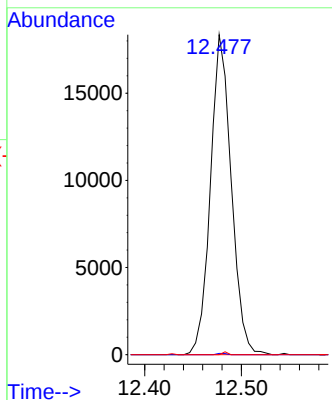
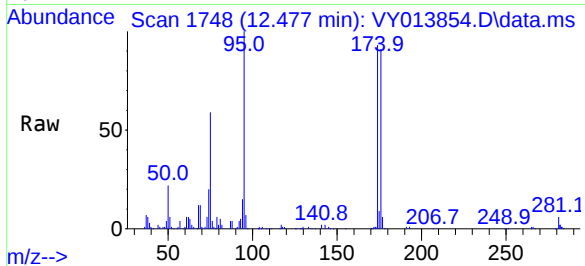




#81
trans-1,4-Dichloro-2-butene
Concen: 86.621 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Instrument :
MSVOA_Y
ClientSampleId :
SB10A

Tgt Ion: 75 Resp: 27414
Ion Ratio Lower Upper
75 100
53 0.2 79.7 119.5#
89 0.2 36.4 54.6#



#95
Naphthalene
Concen: 4.597 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013854.D
Acq: 24 May 2023 18:19

Tgt Ion: 128 Resp: 132
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

