

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013630.D
 Acq On : 05 May 2023 17:05
 Operator : KP/MD
 Sample : 02588-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-B-3-6-05012023

Quant Time: May 08 00:25:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

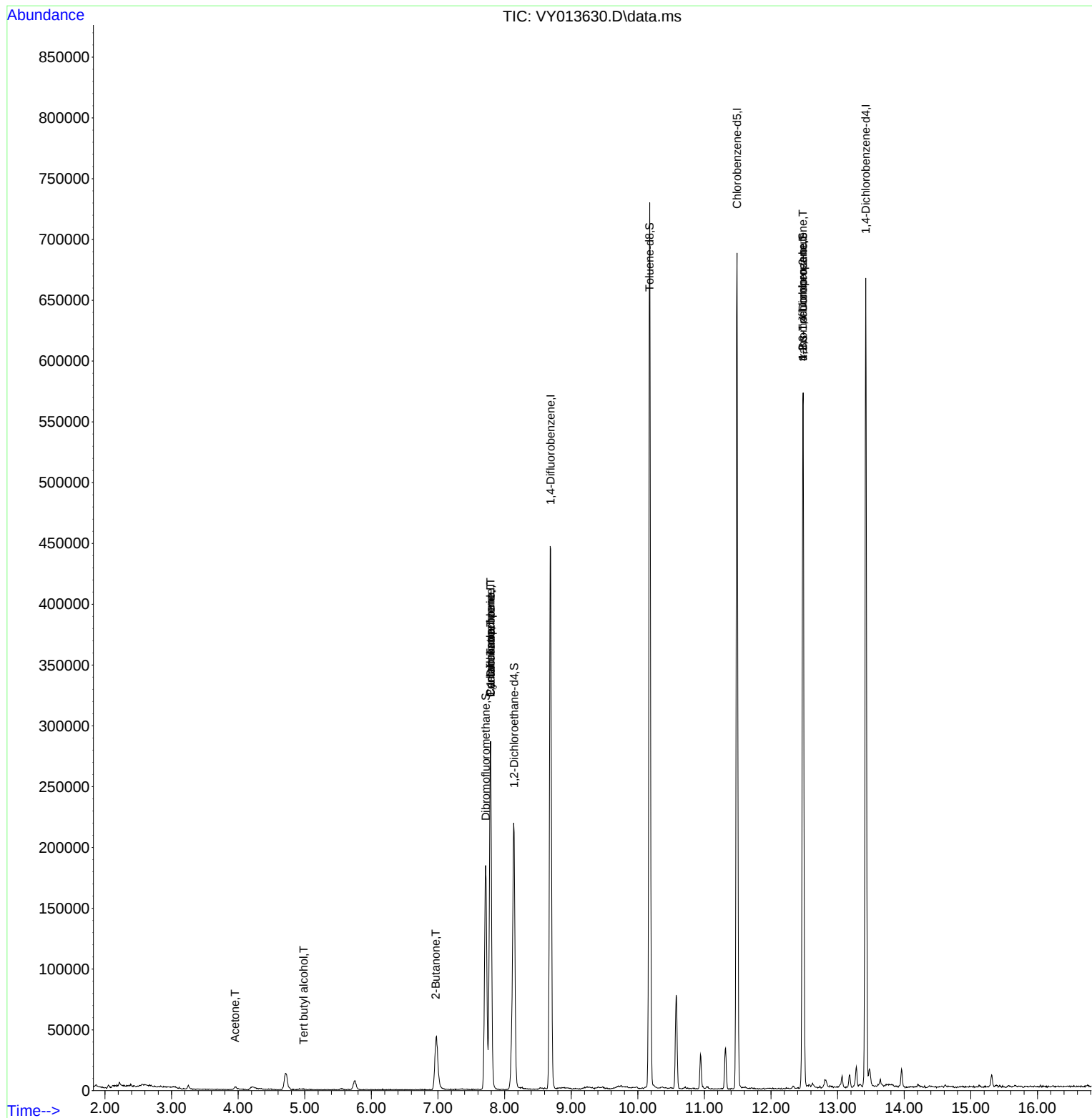
Internal Standards						
1) Pentafluorobenzene	7.789	168	221693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	375443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	368036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	163111	67.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.240%			
35) Dibromofluoromethane	7.716	113	130848	55.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.820%			
50) Toluene-d8	10.179	98	455231	54.192	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.380%			
62) 4-Bromofluorobenzene	12.477	95	154134	54.427	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.860%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.985	59	573	2.738	ug/l #	94
13) Acrolein	3.741	56	52	Below Cal	#	61
16) Acetone	3.954	43	4445	4.644	ug/l	93
20) Methylene Chloride	4.716	84	10482	Below Cal	#	90
25) 2-Butanone	6.966	43	3579	2.949	ug/l #	63
31) Cyclohexane	7.789	56	5258	1.208	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	17115	4.367	ug/l #	49
38) Carbon Tetrachloride	7.789	117	21074	5.131	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	84575	36.929	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	84575	75.540	ug/l #	13

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

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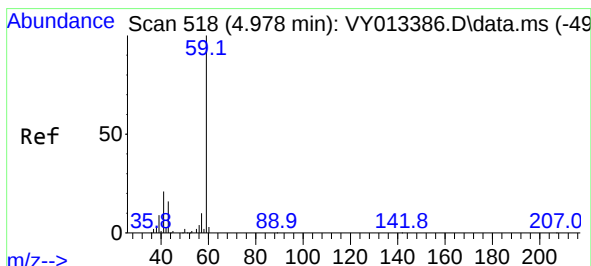
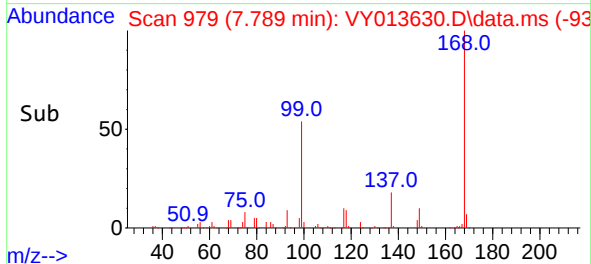
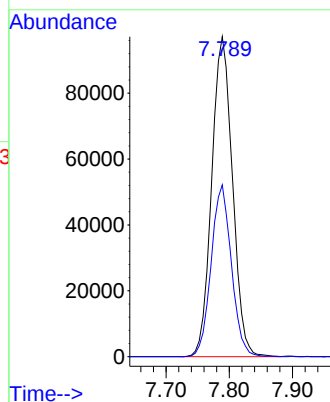
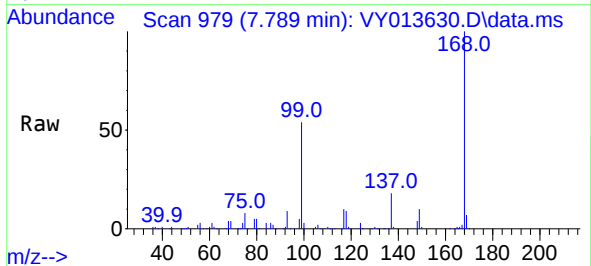




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

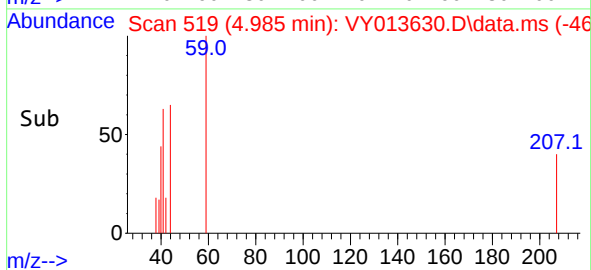
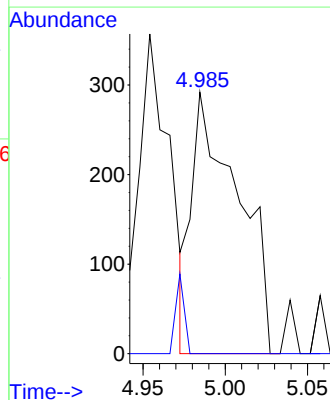
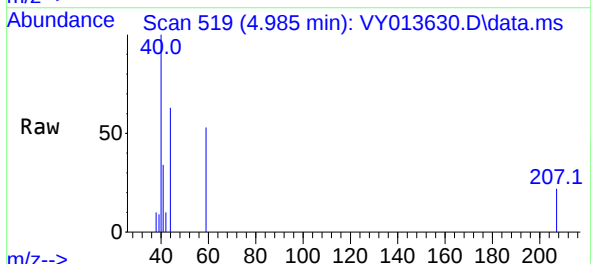
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

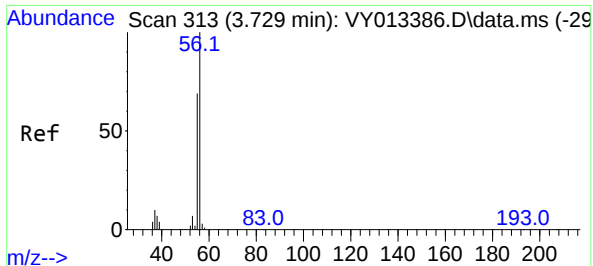
Tgt Ion:168 Resp: 221693
Ion Ratio Lower Upper
168 100
99 53.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.738 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.007 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Tgt Ion: 59 Resp: 573
Ion Ratio Lower Upper
59 100
57 5.8 3.0 4.4#

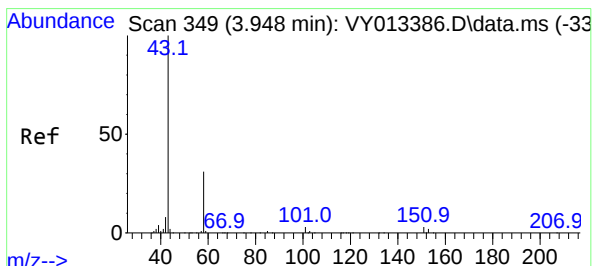
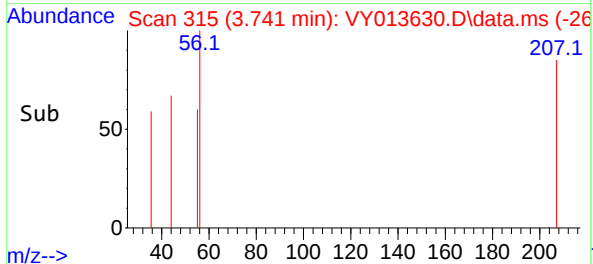
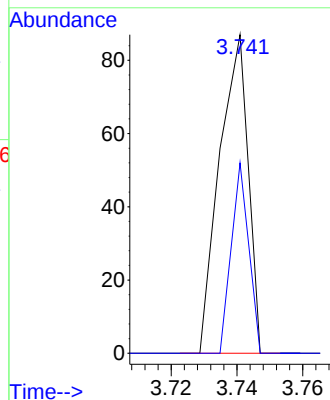
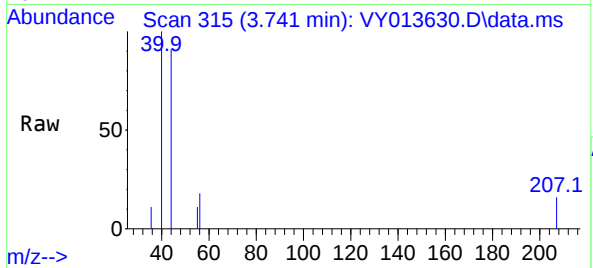




#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 313
Delta R.T. 0.012 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

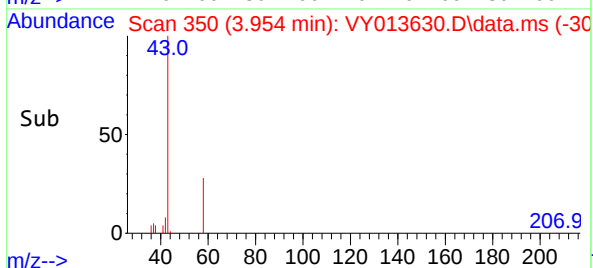
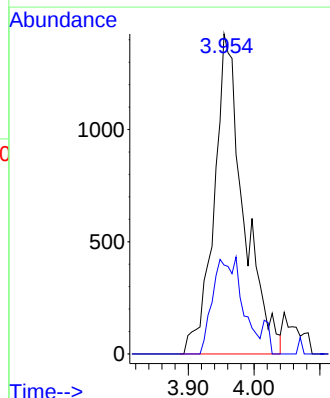
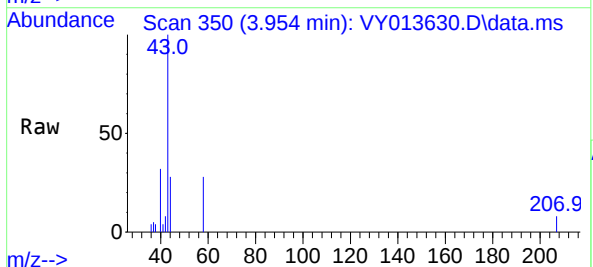
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

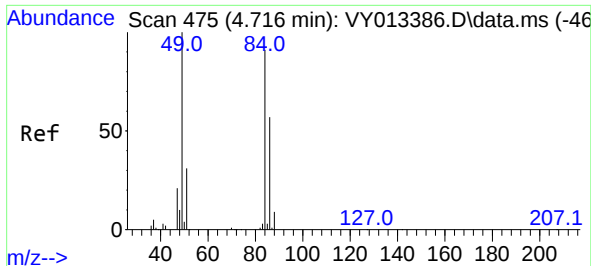
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 36.5 54.1 81.1#



#16
Acetone
Concen: 4.644 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

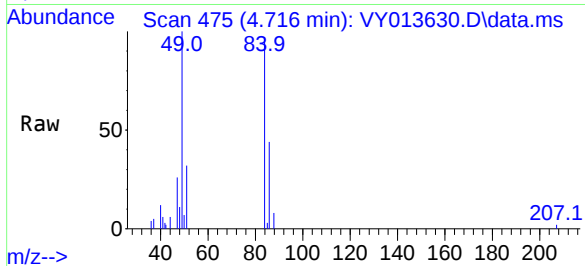
Tgt Ion: 43 Resp: 4445
Ion Ratio Lower Upper
43 100
58 27.8 25.4 38.0



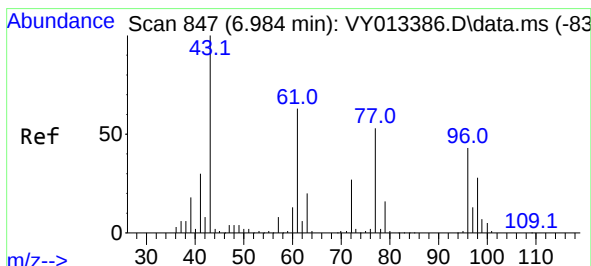
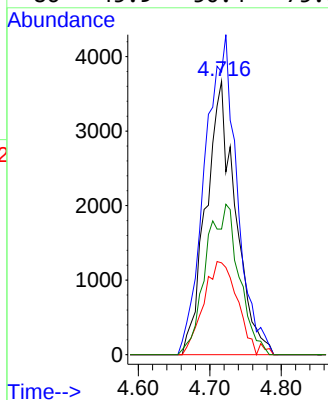
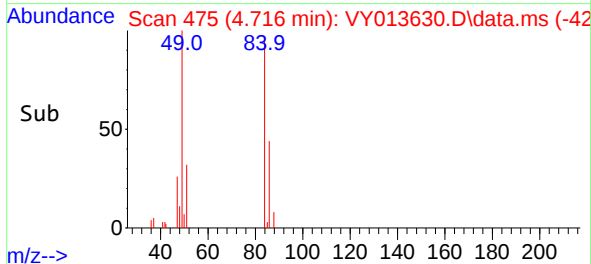


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

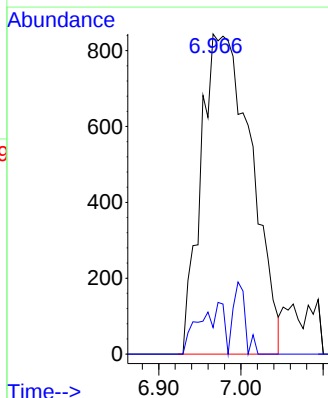
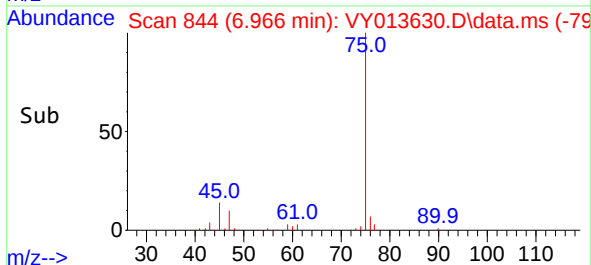
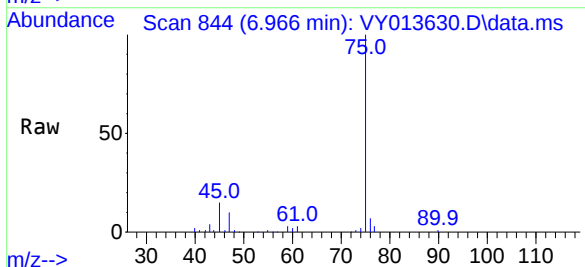


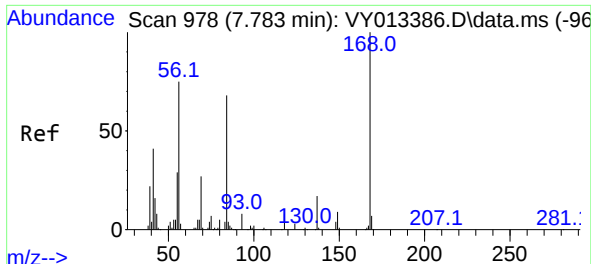
Tgt Ion: 84 Resp: 10482
Ion Ratio Lower Upper
84 100
49 103.4 88.0 132.0
51 33.6 27.4 41.0
86 45.9 50.4 75.6#



#25
2-Butanone
Concen: 2.949 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

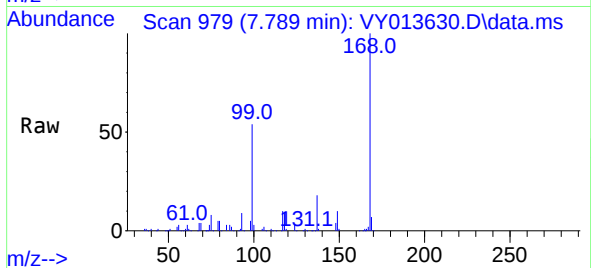
Tgt Ion: 43 Resp: 3579
Ion Ratio Lower Upper
43 100
72 8.3 21.9 32.9#



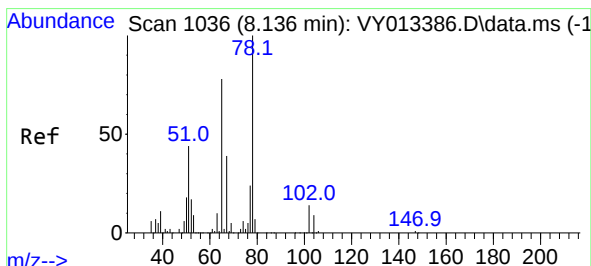
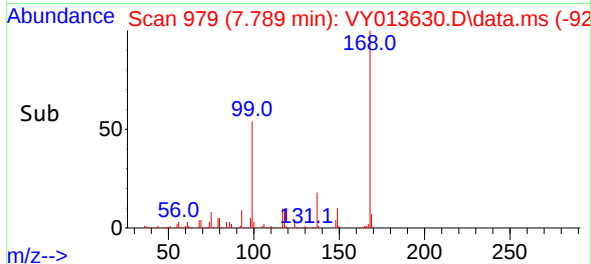
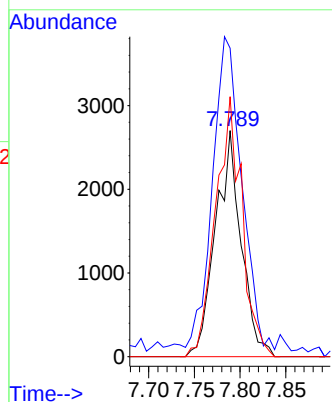


#31
Cyclohexane
Concen: 1.208 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

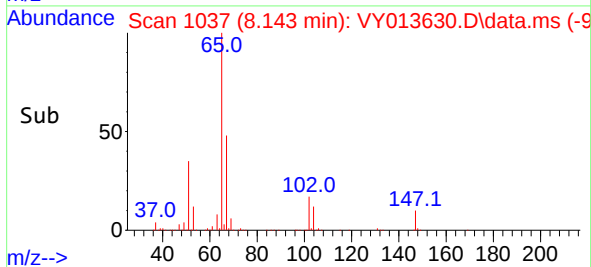
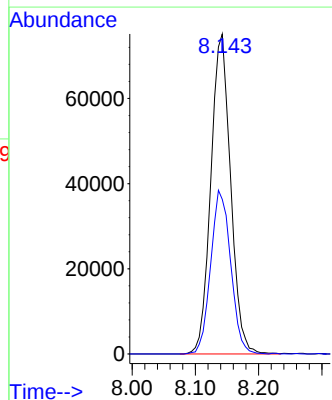
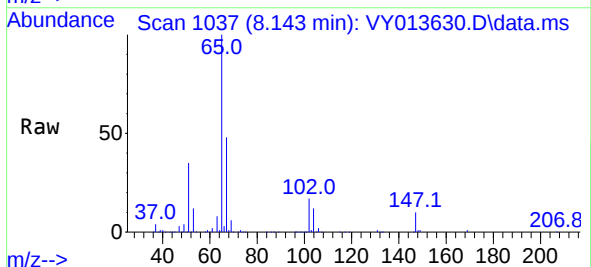


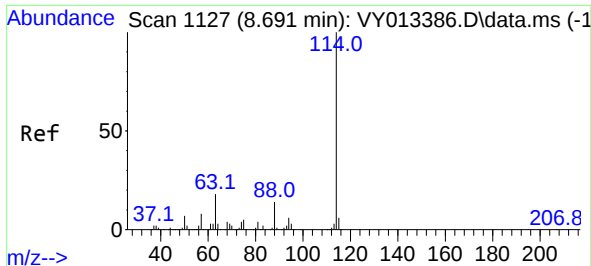
Tgt Ion: 56 Resp: 5258
Ion Ratio Lower Upper
56 100
69 131.3 29.2 43.8#
84 115.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 67.117 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Tgt Ion: 65 Resp: 163111
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4



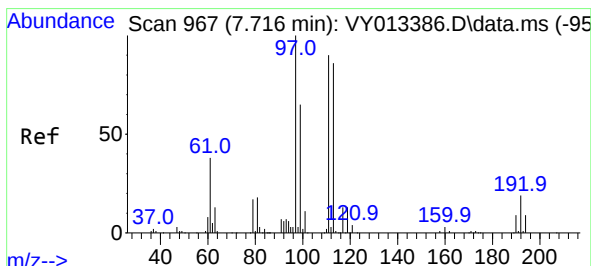
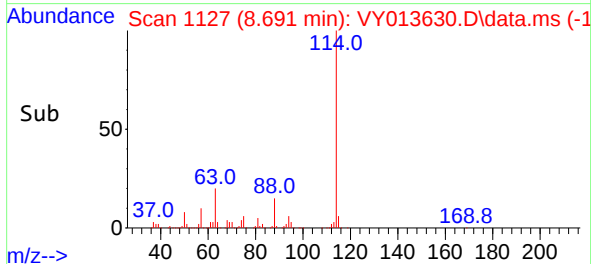
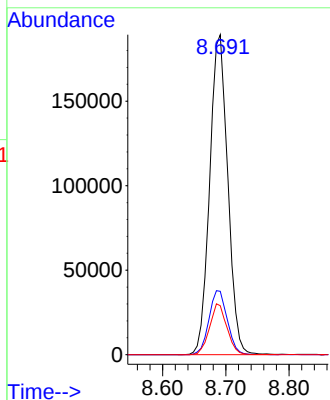
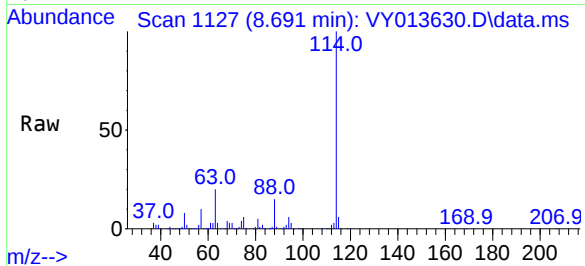


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Instrument :
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ClientSampleId :
ZONE-B-3-6-05012023

Tgt Ion:114 Resp: 375443

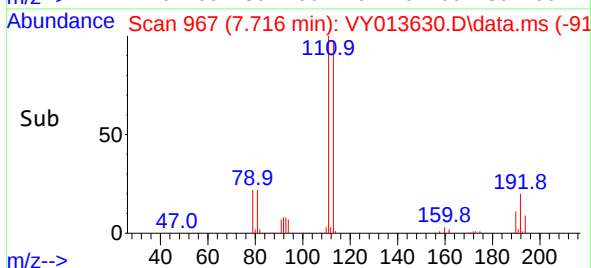
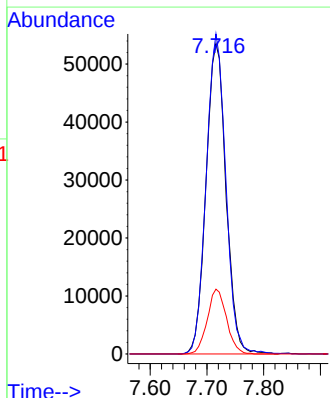
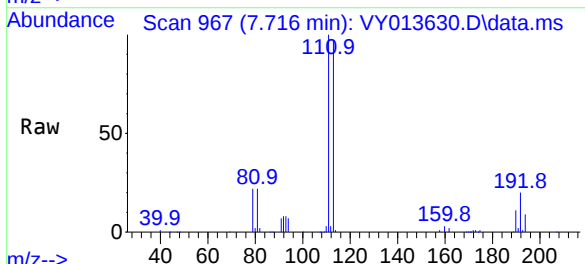
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	36.6
88	15.3	0.0	28.8

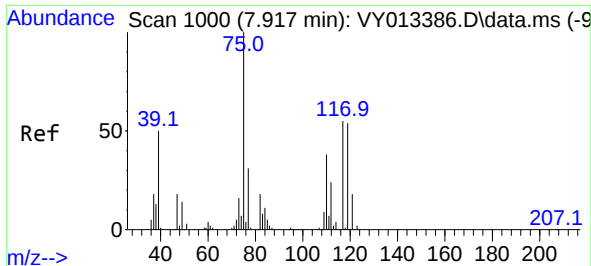


#35
Dibromofluoromethane
Concen: 55.412 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Tgt Ion:113 Resp: 130848

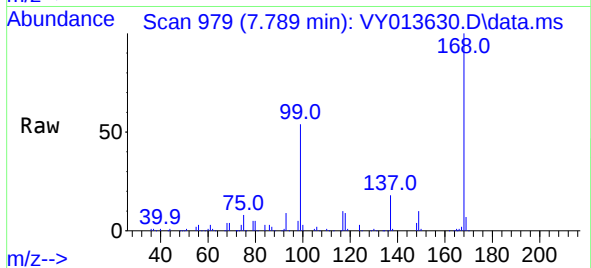
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.2	123.2
192	20.1	16.7	25.1



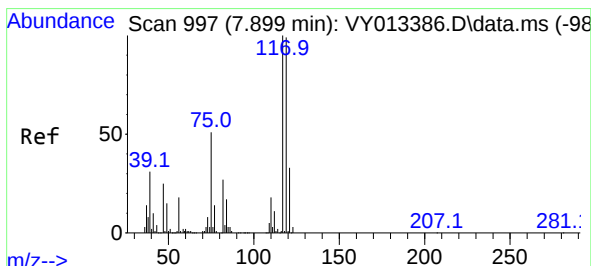
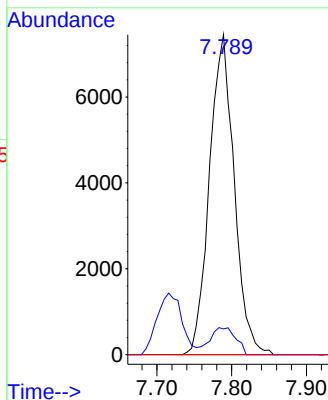
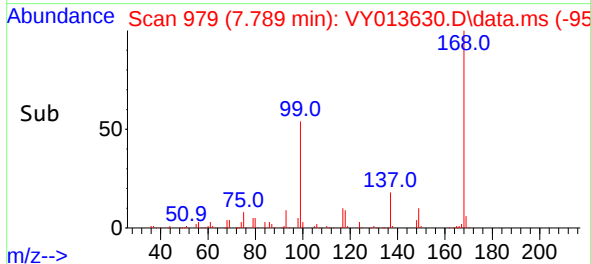


#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

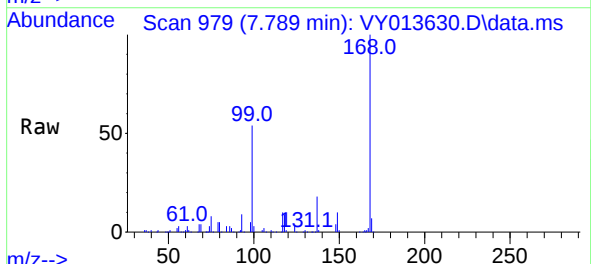
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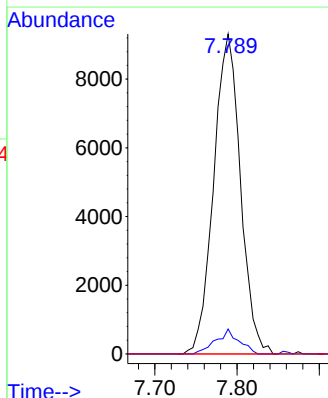
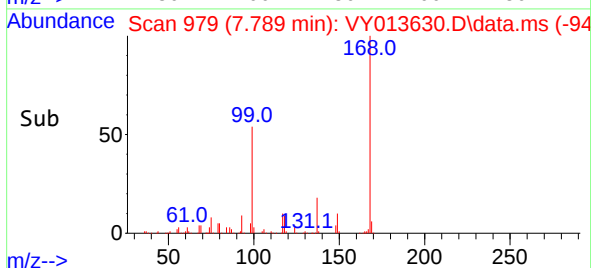
Tgt Ion: 75 Resp: 17115
Ion Ratio Lower Upper
75 100
110 9.0 18.7 56.1#
77 0.0 24.6 37.0#

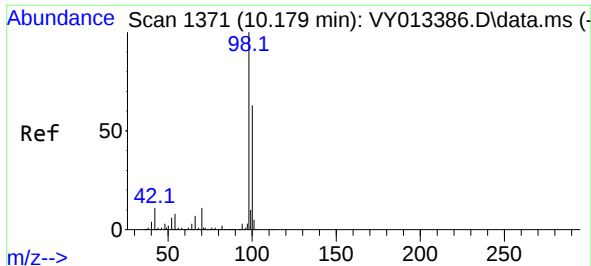


#38
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05



Tgt Ion: 117 Resp: 21074
Ion Ratio Lower Upper
117 100
119 7.8 79.0 118.6#
121 0.0 26.6 40.0#

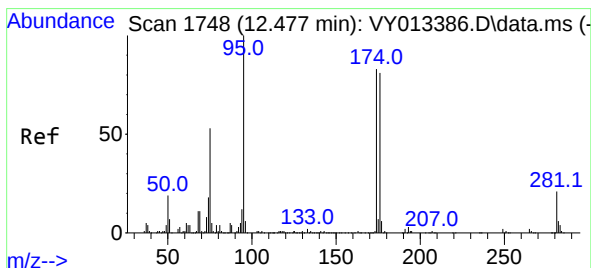
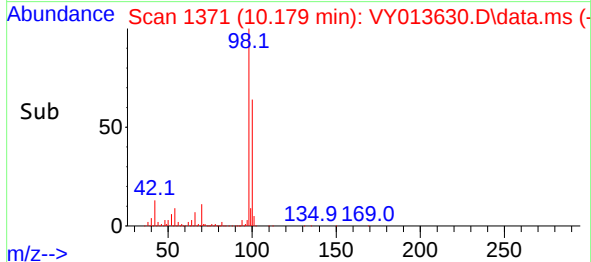
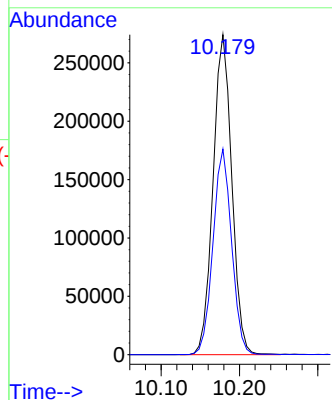
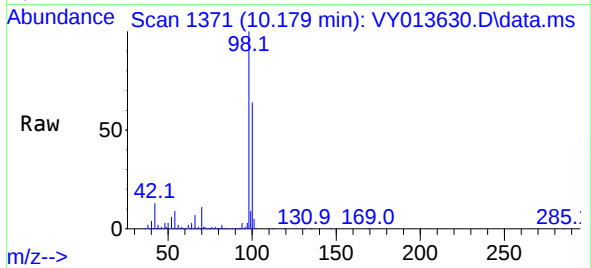




#50
Toluene-d8
Concen: 54.192 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

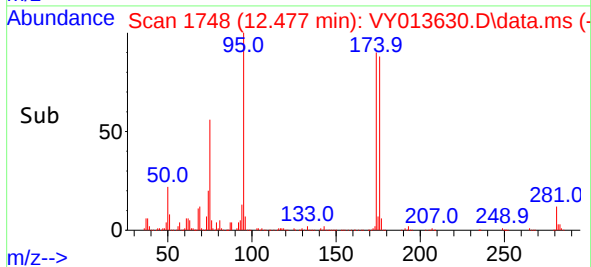
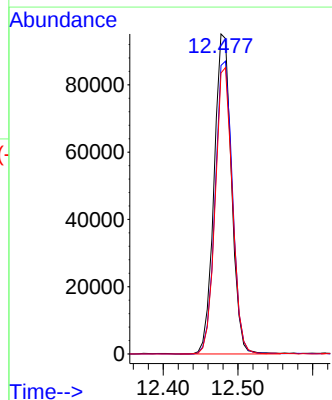
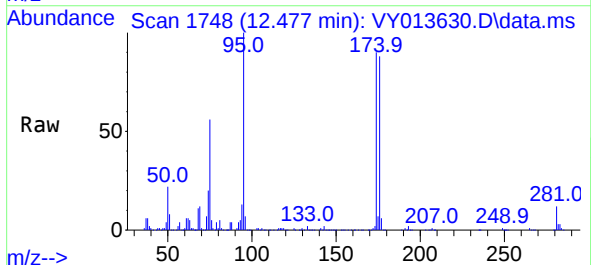
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

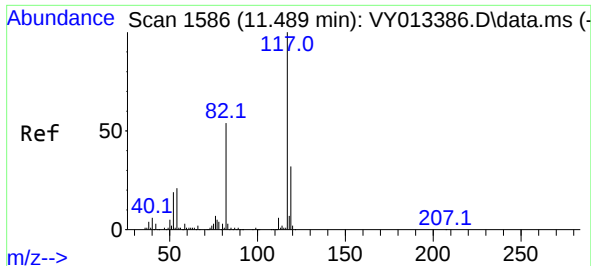
Tgt Ion: 98 Resp: 455231
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 54.427 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Tgt Ion: 95 Resp: 154134
Ion Ratio Lower Upper
95 100
174 91.2 0.0 182.0
176 88.0 0.0 175.4

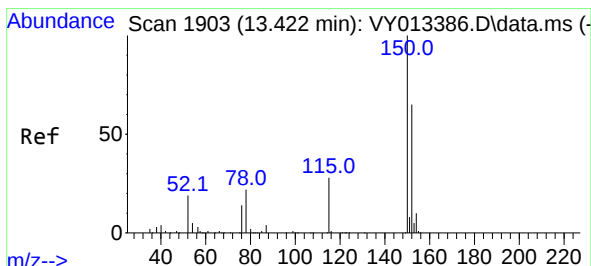
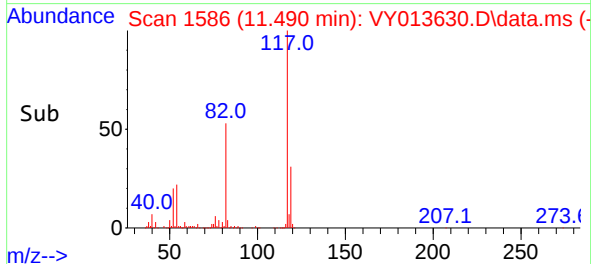
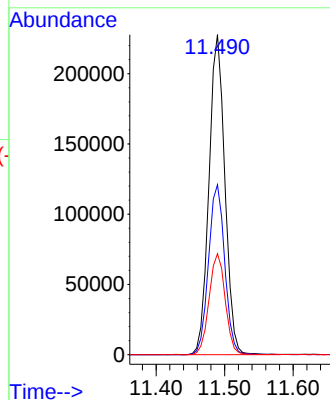
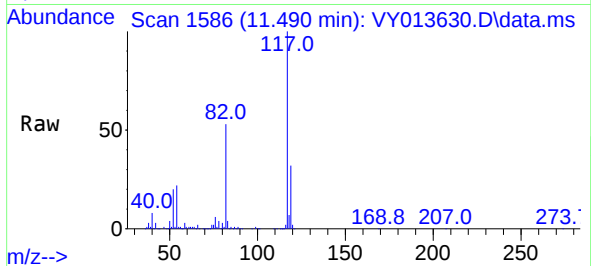




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

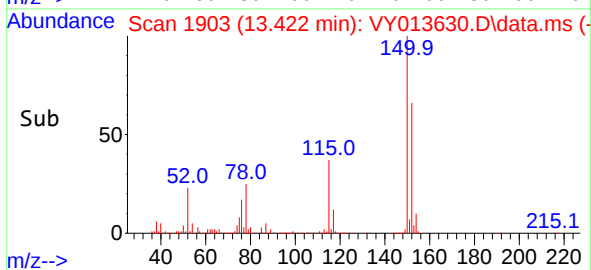
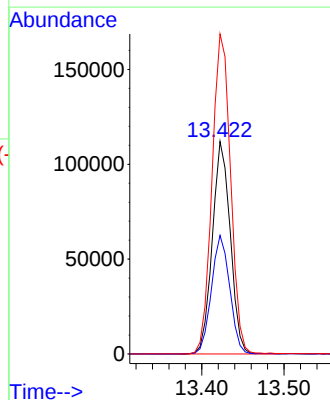
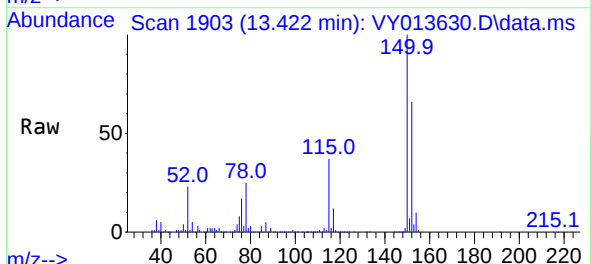
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

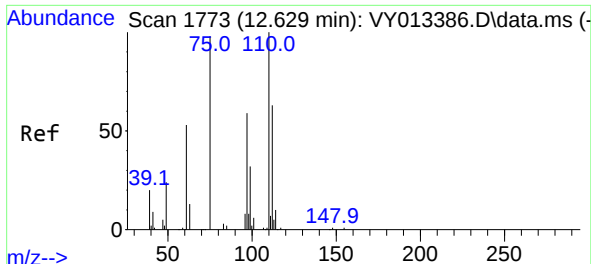
Tgt Ion:117 Resp: 368036
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.6
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Tgt Ion:152 Resp: 169819
Ion Ratio Lower Upper
152 100
115 56.8 28.1 84.2
150 155.8 0.0 352.0

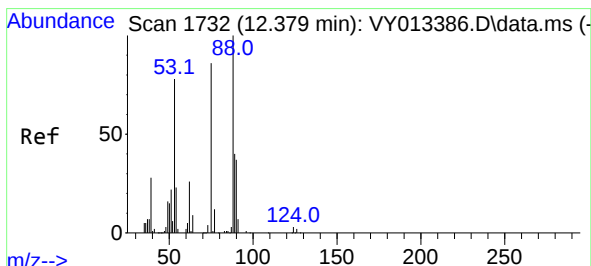
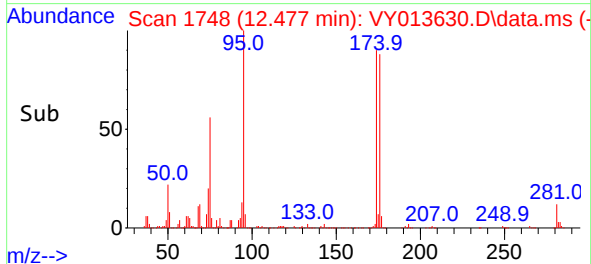
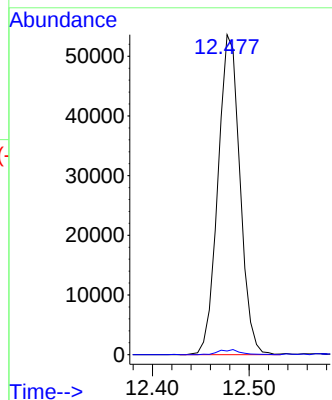
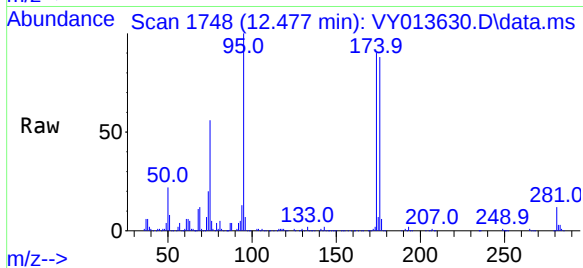




#76
1,2,3-Trichloropropane
Concen: 36.929 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-B-3-6-05012023

Tgt Ion: 75 Resp: 84575
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.540 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013630.D
Acq: 05 May 2023 17:05

Tgt Ion: 75 Resp: 84575
Ion Ratio Lower Upper
75 100
53 0.8 73.2 109.8#
89 0.3 38.0 57.0#

