

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060823\
 Data File : VY014079.D
 Acq On : 08 Jun 2023 17:39
 Operator : KP/MD
 Sample : 03096-01
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-24-0A

Quant Time: Jun 09 04:22:43 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)

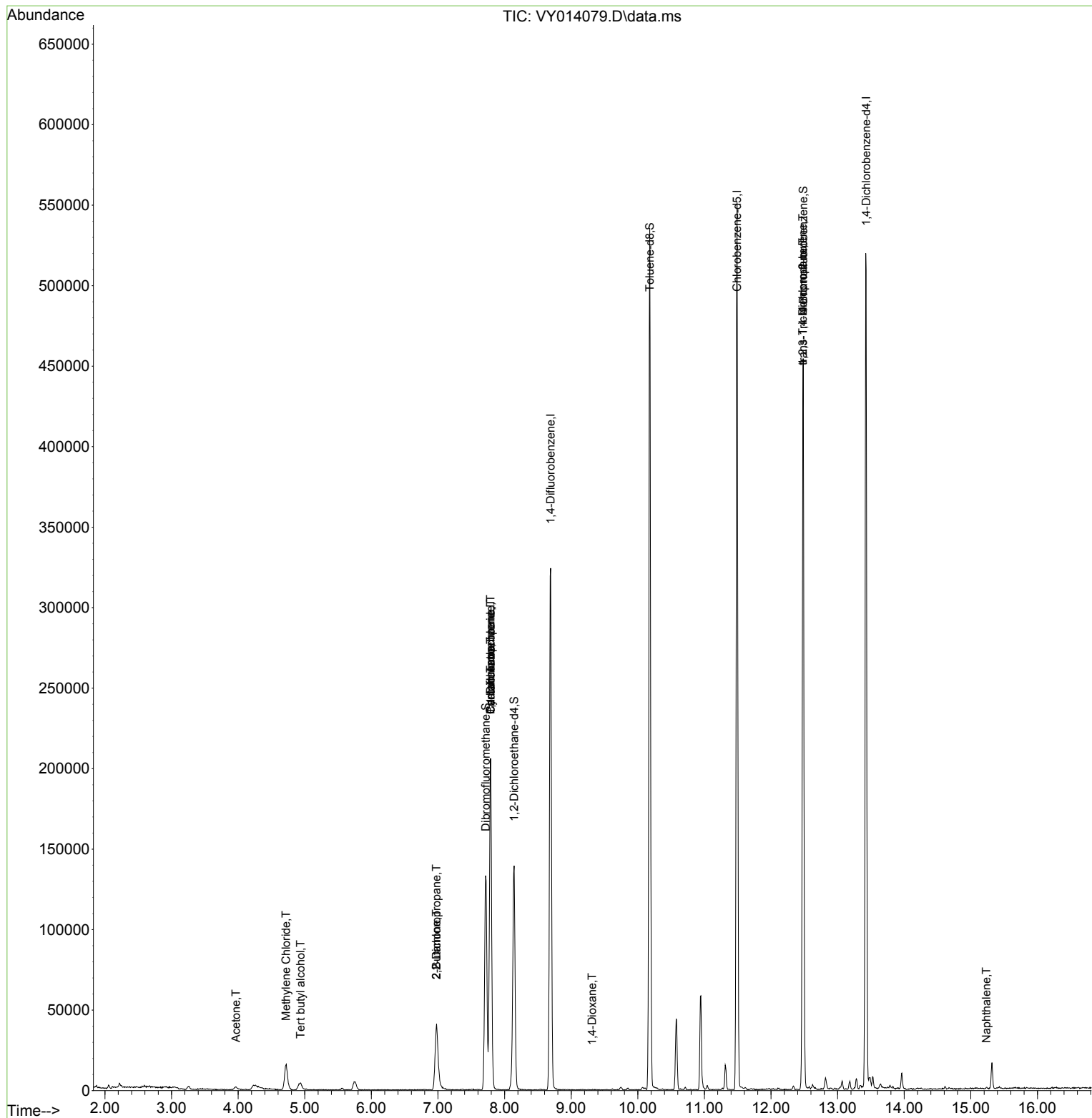
Internal Standards						
1) Pentafluorobenzene	7.789	168	160283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	287884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	114162	53.805	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.620%			
35) Dibromofluoromethane	7.716	113	92929	53.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.360%			
50) Toluene-d8	10.179	98	342622	51.881	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.483	95	120010	53.304	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	4777	10.955	ug/l #	89
16) Acetone	3.966	43	4388	6.045	ug/l	95
20) Methylene Chloride	4.716	84	11684	2.126	ug/l	94
25) 2-Butanone	6.978	43	2512	2.778	ug/l #	66
26) 2,2-Dichloropropane	6.978	77	3218	1.096	ug/l #	54
31) Cyclohexane	7.789	56	3565	1.395	ug/l #	24
36) 1,1-Dichloropropene	7.789	75	11923	4.834	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15620	5.651	ug/l #	15
49) 1,4-Dioxane	9.313	88	26	1.422	ug/l #	36
76) 1,2,3-Trichloropropane	12.477	75	67134	36.375	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67134	77.170	ug/l #	11
95) Naphthalene	15.233	128	909	4.012	ug/l #	85

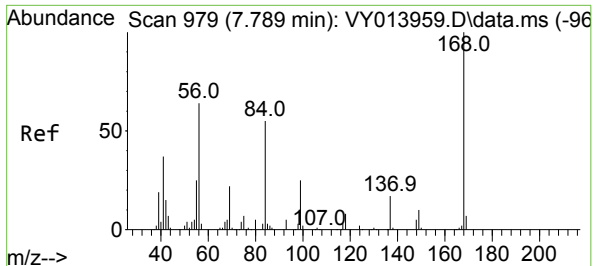
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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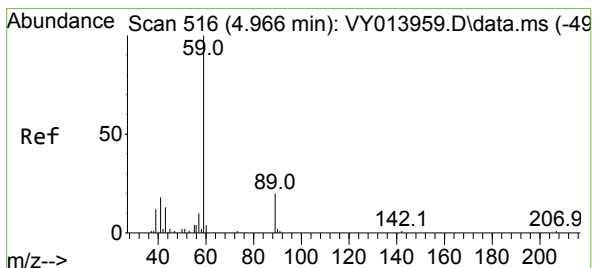
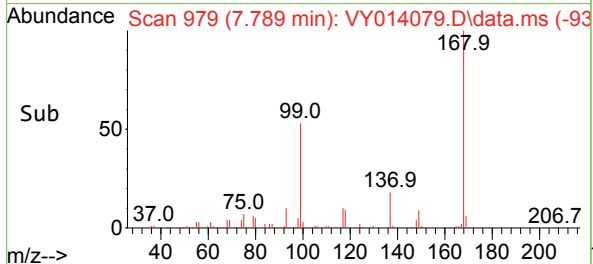
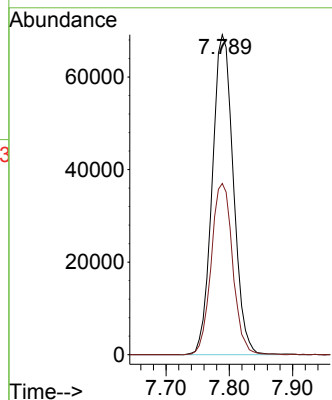
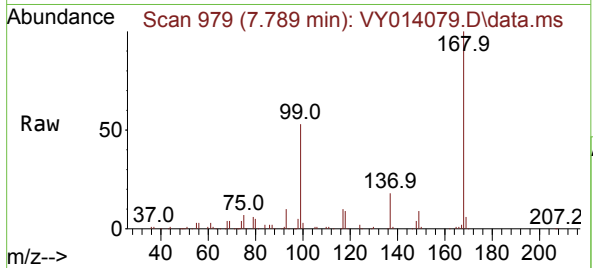




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

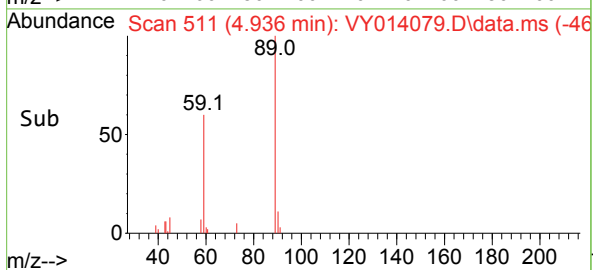
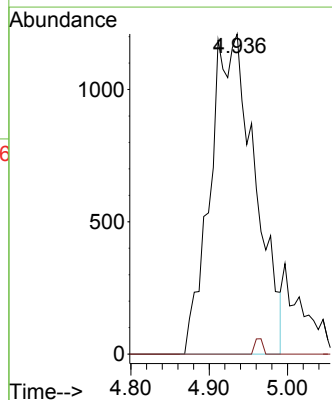
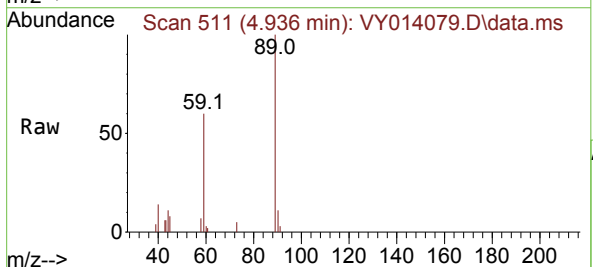
Instrument :
MSVOA_Y
ClientSampleId :
TP-24-0A

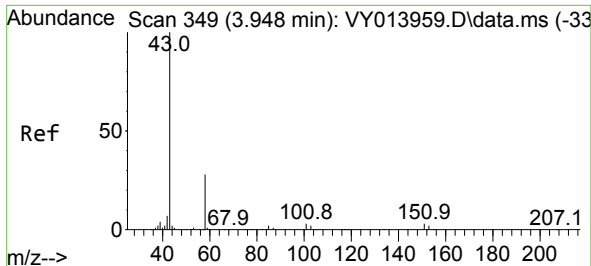
Tgt Ion:168 Resp: 160283
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 10.955 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion: 59 Resp: 4777
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

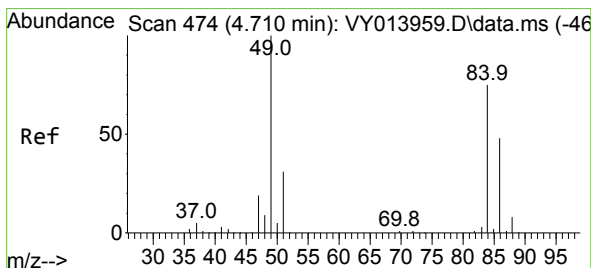
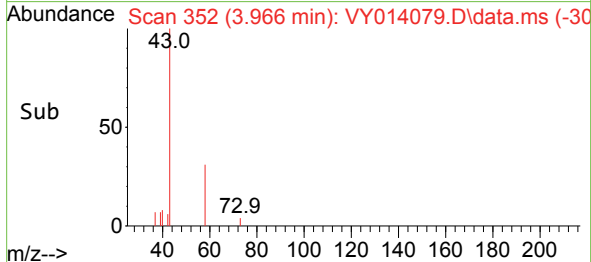
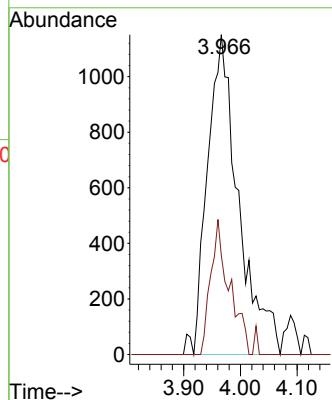
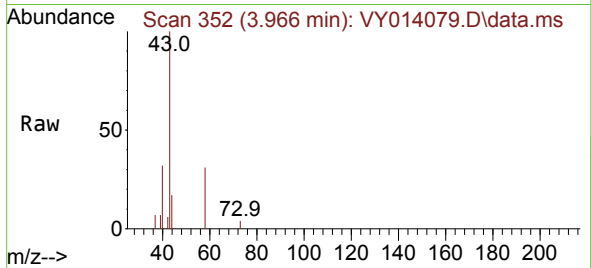




#16
Acetone
Concen: 6.045 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

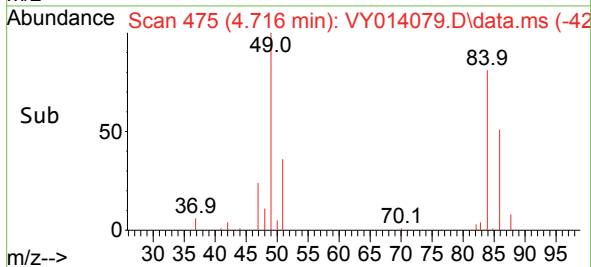
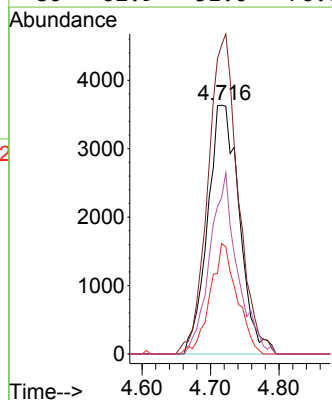
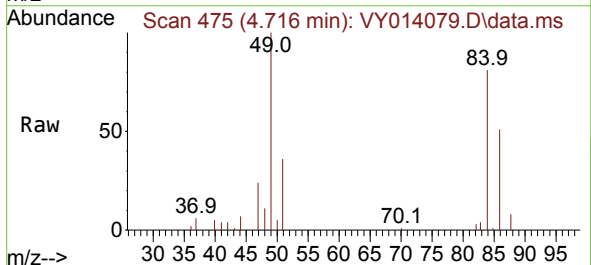
Instrument :
MSVOA_Y
ClientSampleId :
TP-24-0A

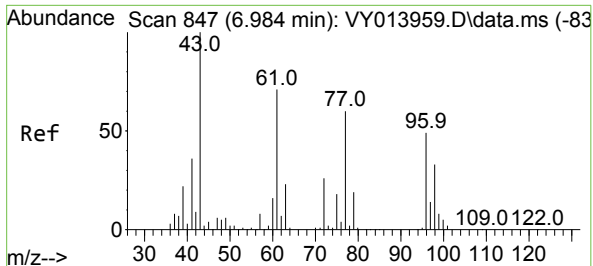
Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
58 31.0 22.7 34.1



#20
Methylene Chloride
Concen: 2.126 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion: 84 Resp: 11684
Ion Ratio Lower Upper
84 100
49 124.1 106.9 160.3
51 44.5 33.2 49.8
86 62.9 51.0 76.6





#25

2-Butanone

Concen: 2.778 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY014079.D

Acq: 08 Jun 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

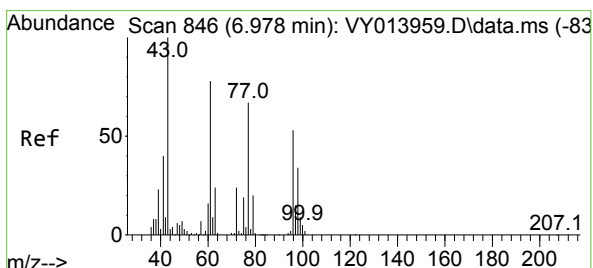
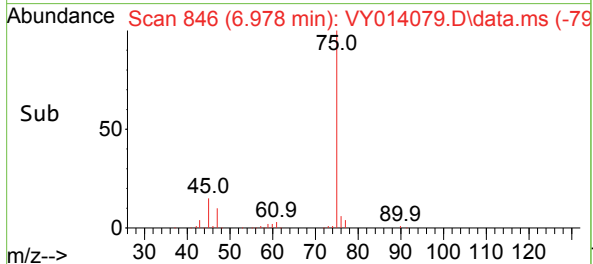
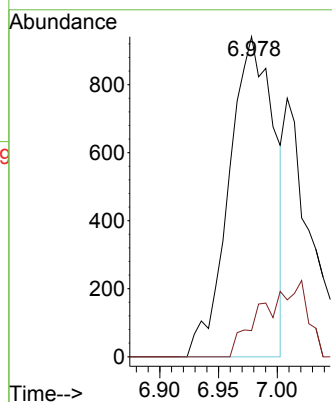
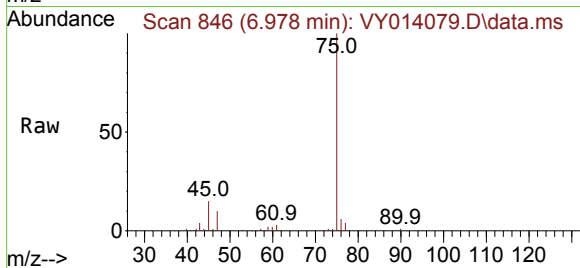
TP-24-0A

Tgt Ion: 43 Resp: 2512

Ion Ratio Lower Upper

43 100

72 8.2 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.096 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY014079.D

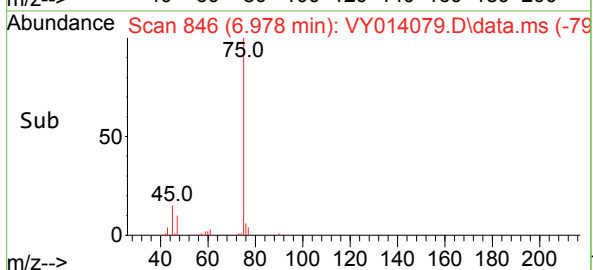
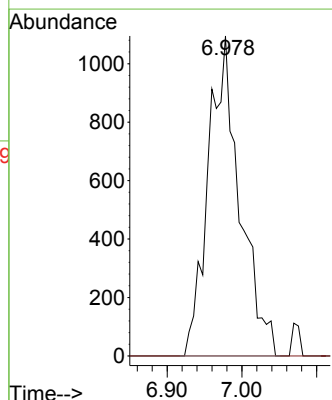
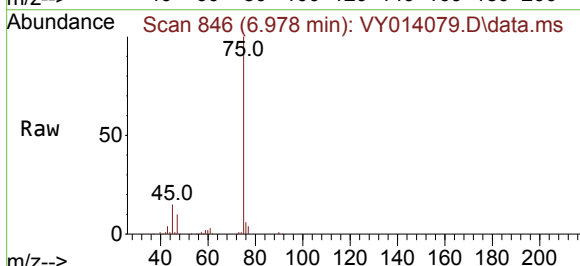
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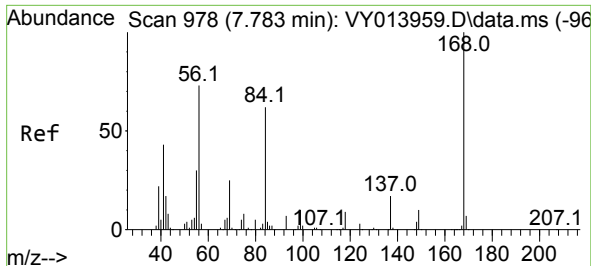
Tgt Ion: 77 Resp: 3218

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

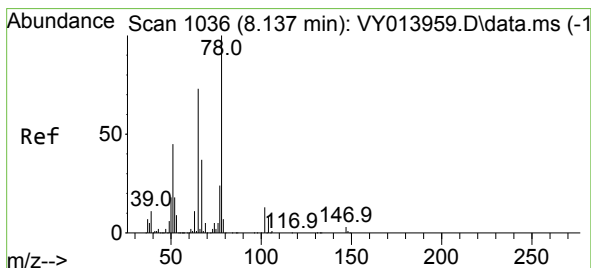
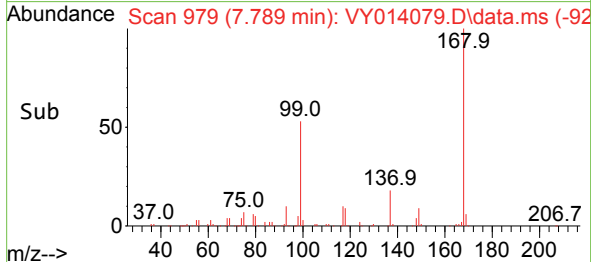
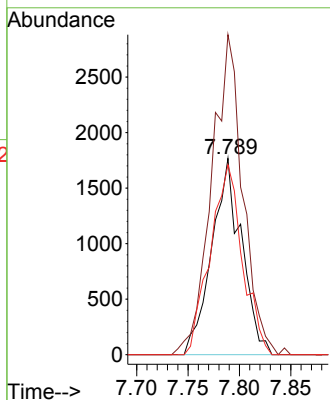
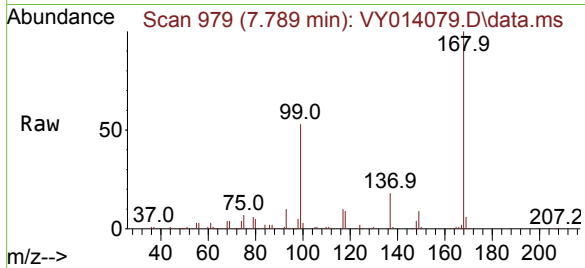




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

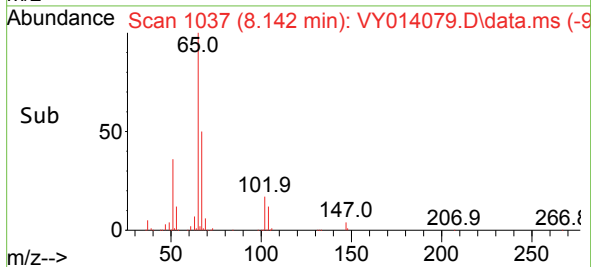
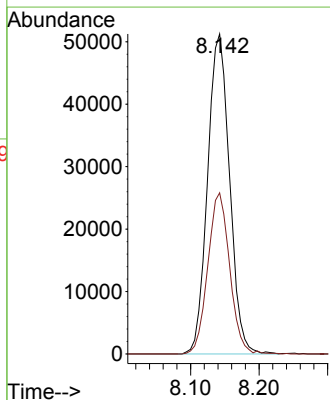
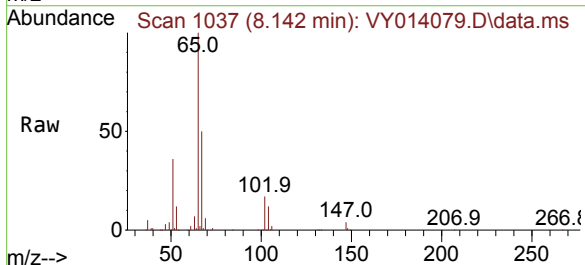
Instrument :
MSVOA_Y
ClientSampleId :
TP-24-0A

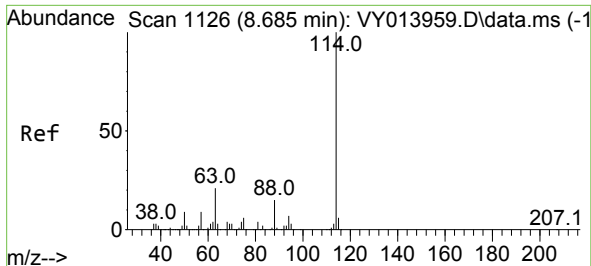
Tgt Ion: 56 Resp: 3565
Ion Ratio Lower Upper
56 100
69 163.0 27.8 41.6#
84 96.8 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 53.805 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion: 65 Resp: 114162
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

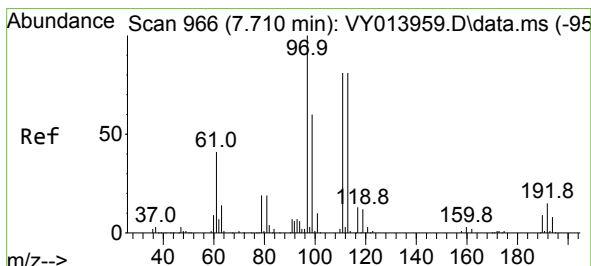
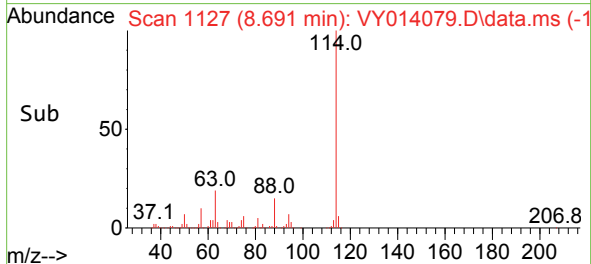
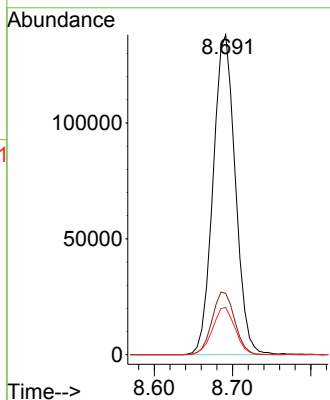
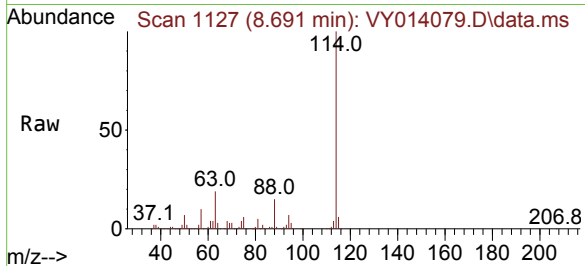




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

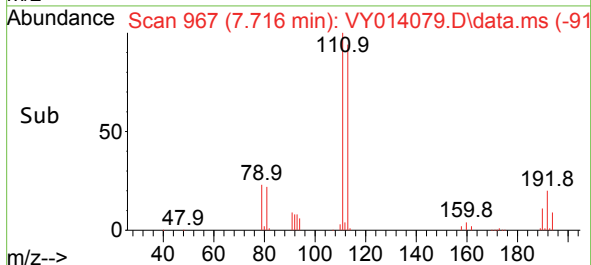
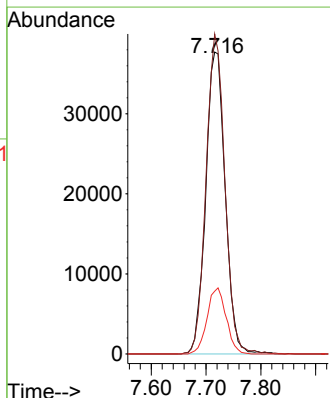
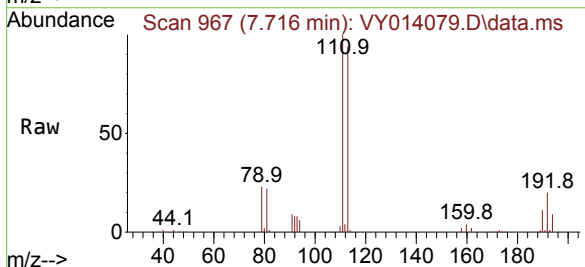
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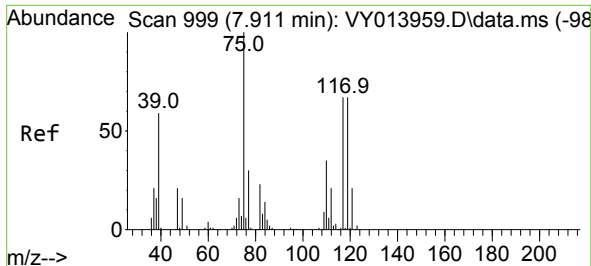
Tgt Ion:114 Resp: 272430
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.675 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion:113 Resp: 92929
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 21.4 16.9 25.3

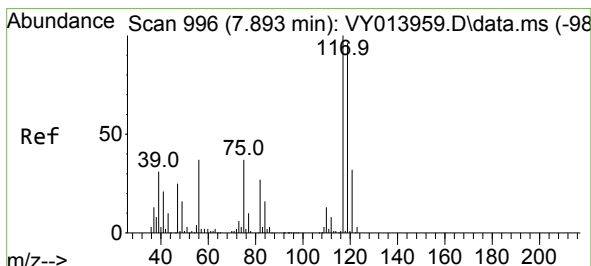
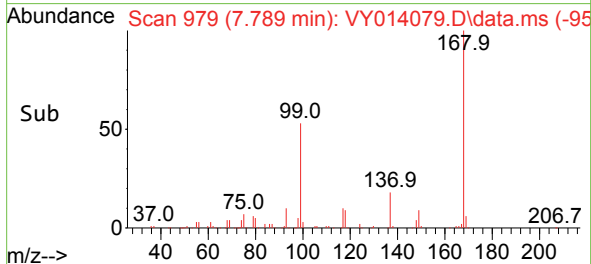
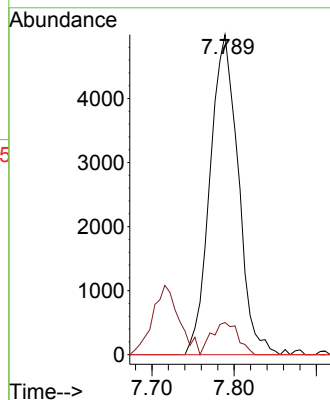
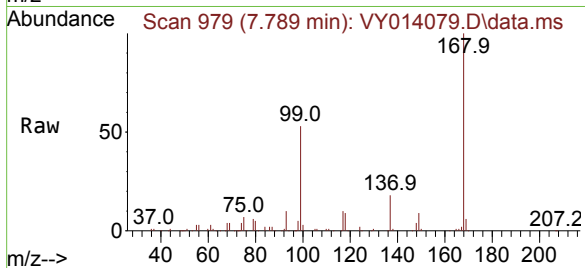




#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 7.789 min Scan# 919
Delta R.T. -0.122 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

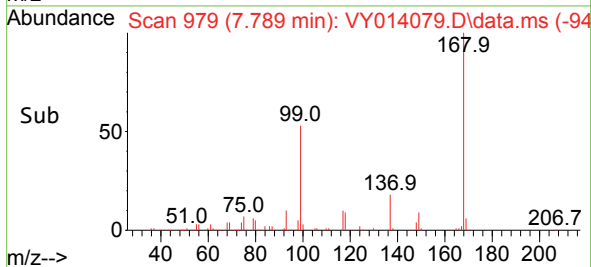
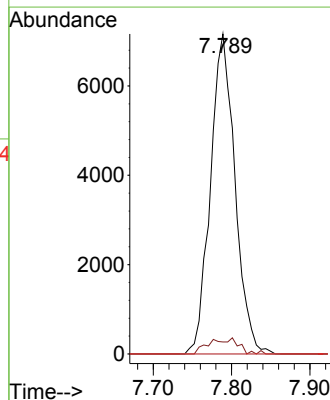
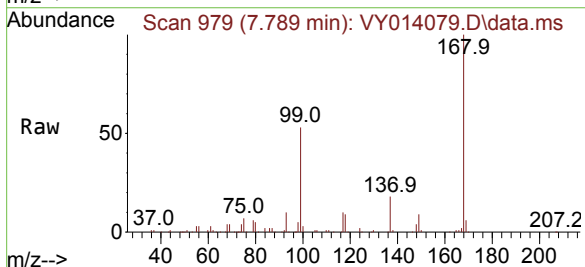
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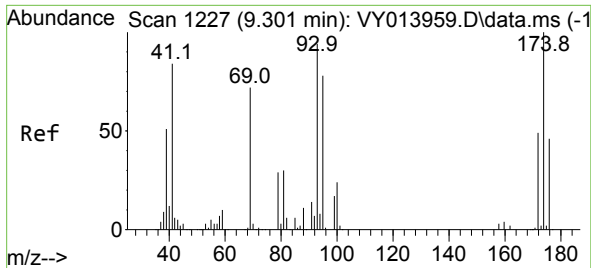
Tgt Ion: 75 Resp: 11923
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion: 117 Resp: 15620
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 25.8 38.6#

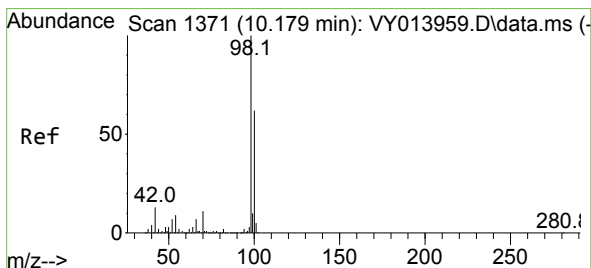
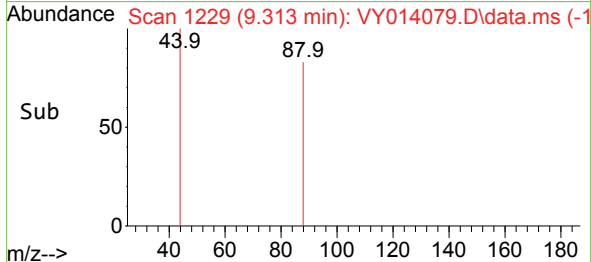
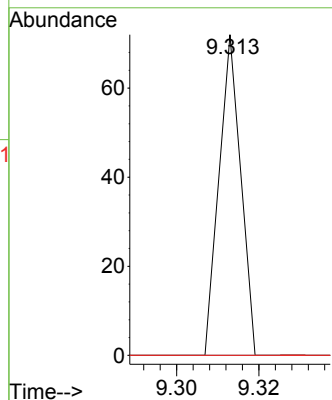
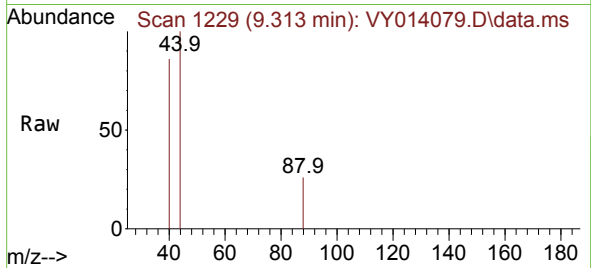




#49
1,4-Dioxane
Concen: 1.422 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

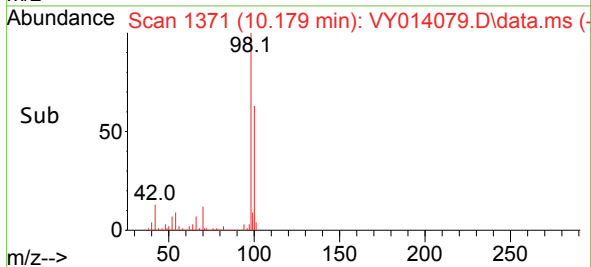
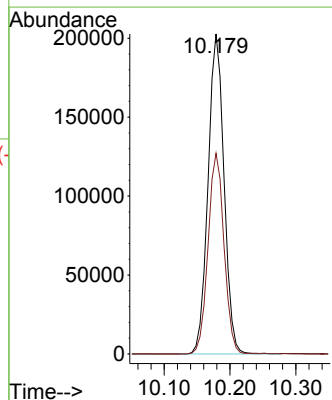
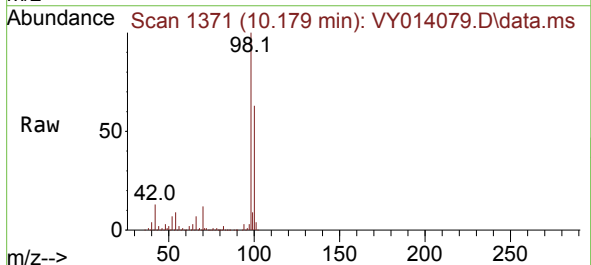
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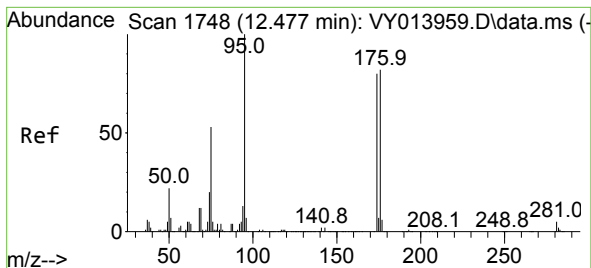
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 30.9 46.3#



#50
Toluene-d8
Concen: 51.881 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion: 98 Resp: 342622
Ion Ratio Lower Upper
98 100
100 62.5 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 53.304 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014079.D

Acq: 08 Jun 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-24-0A

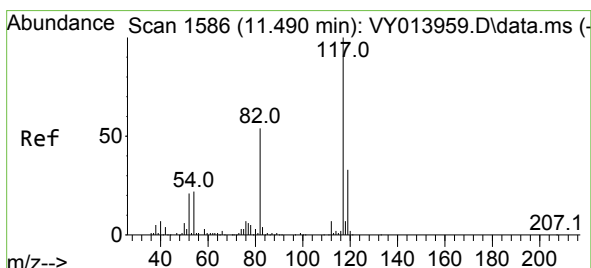
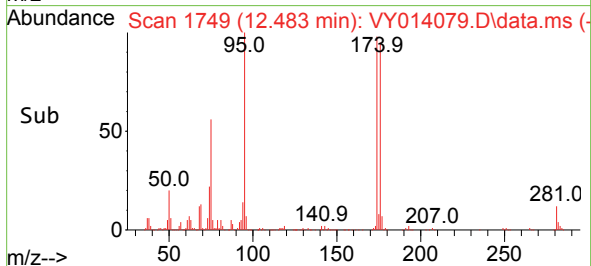
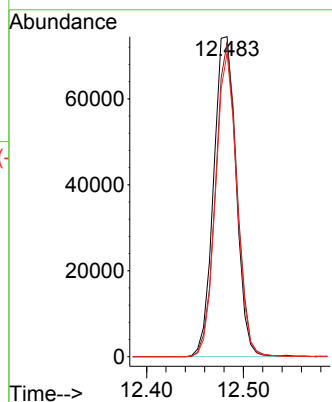
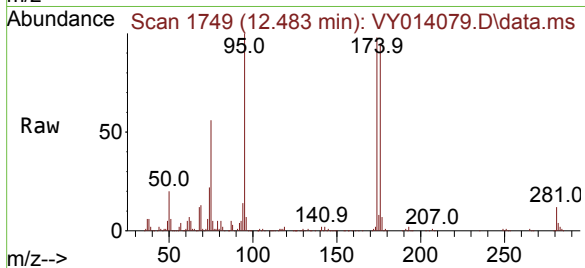
Tgt Ion: 95 Resp: 120010

Ion Ratio Lower Upper

95 100

174 94.3 0.0 178.2

176 89.7 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: VY014079.D

Acq: 08 Jun 2023 17:39

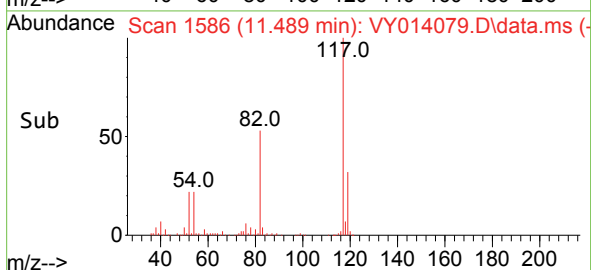
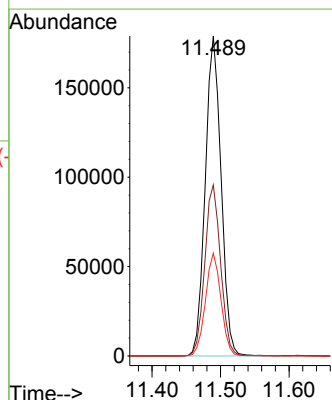
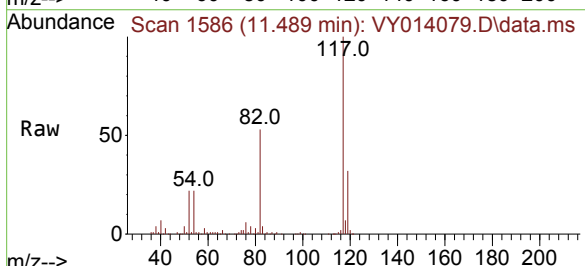
Tgt Ion: 117 Resp: 287884

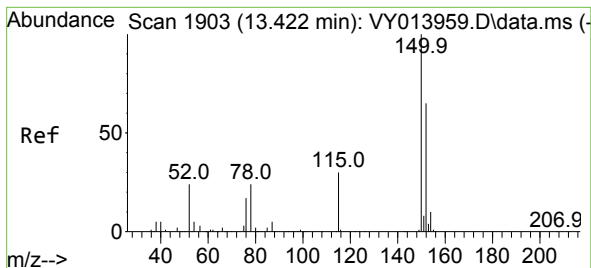
Ion Ratio Lower Upper

117 100

82 53.5 43.4 65.0

119 32.1 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: VY014079.D

Acq: 08 Jun 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

TP-24-0A

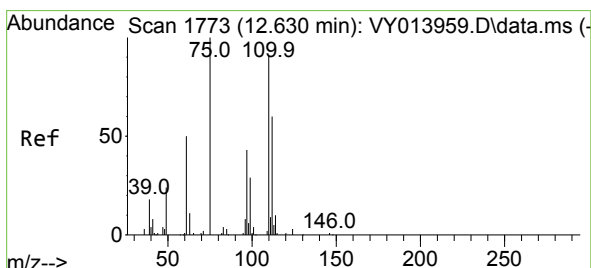
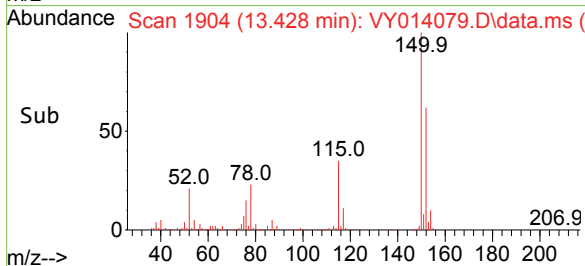
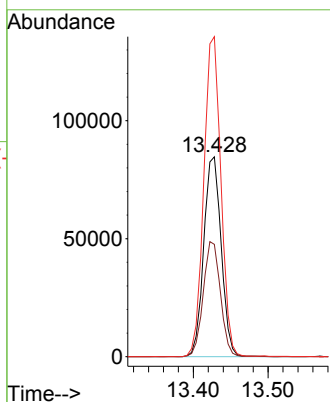
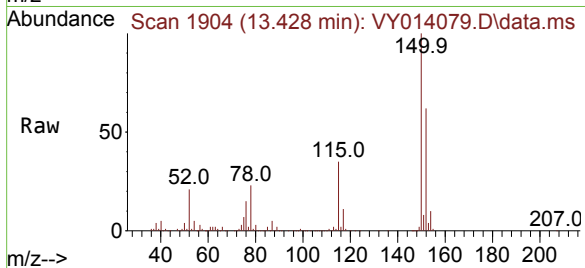
Tgt Ion:152 Resp: 137149

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 157.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 36.375 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014079.D

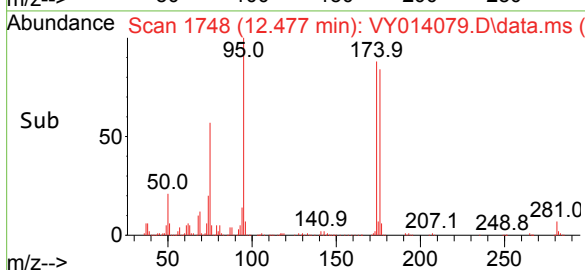
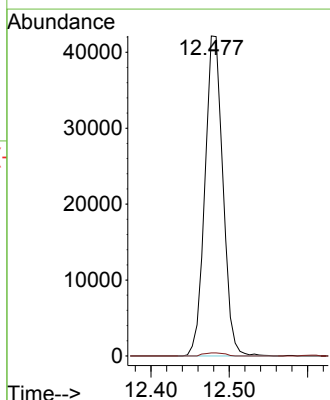
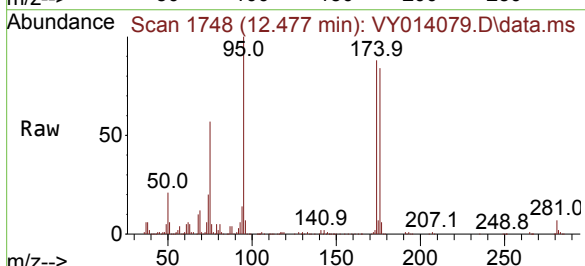
Acq: 08 Jun 2023 17:39

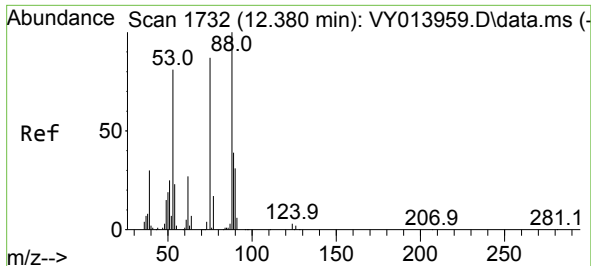
Tgt Ion: 75 Resp: 67134

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

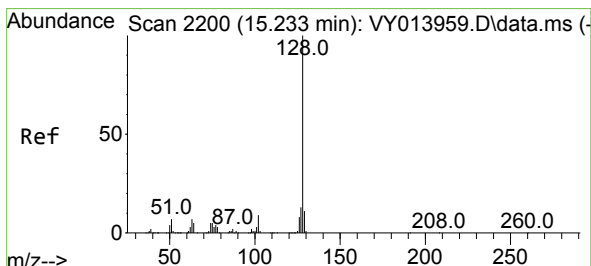
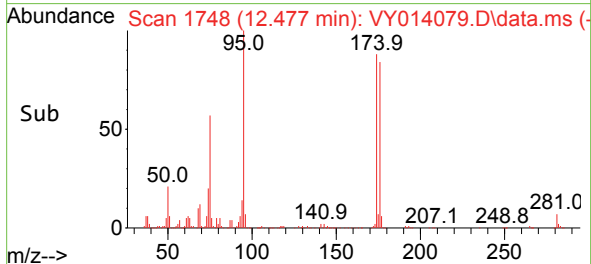
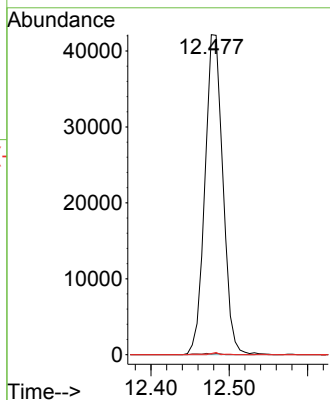
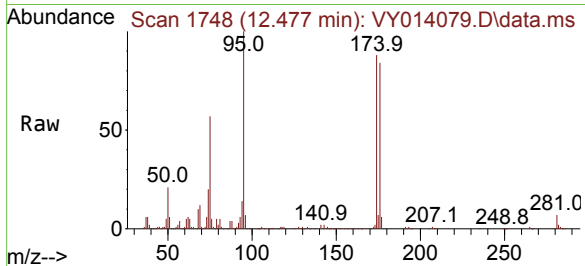




#81
trans-1,4-Dichloro-2-butene
Concen: 77.170 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-24-0A

Tgt Ion: 75 Resp: 67134
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.3 37.4 56.0#



#95
Naphthalene
Concen: 4.012 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014079.D
Acq: 08 Jun 2023 17:39

Tgt Ion:128 Resp: 909
Ion Ratio Lower Upper
128 100
127 15.2 10.8 16.2
129 0.0 8.6 13.0#

