

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053123\
 Data File : VY013944.D
 Acq On : 31 May 2023 18:33
 Operator : KP/MD
 Sample : 02972-01
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-11-0A

Quant Time: Jun 01 03:31:13 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)

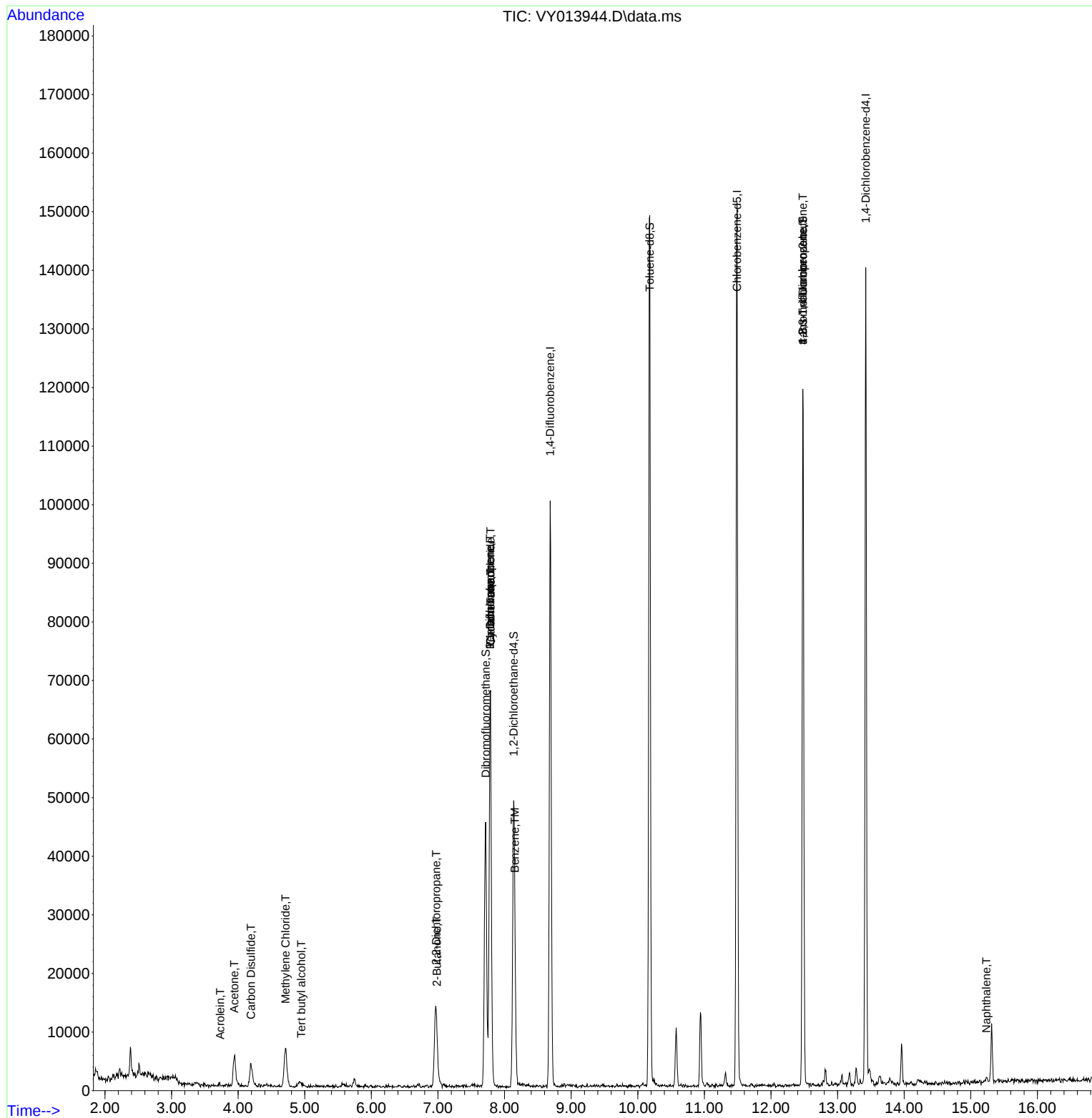
Internal Standards						
1) Pentafluorobenzene	7.783	168	51275	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	82409	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.490	117	82193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	35195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	38747	65.318	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.640%			
35) Dibromofluoromethane	7.716	113	31037	58.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.640%			
50) Toluene-d8	10.179	98	100298	49.585	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.477	95	31072	46.214	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.420%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	1308	28.783	ug/l #	73
13) Acrolein	3.729	56	171	2.502	ug/l	84
16) Acetone	3.942	43	9626	54.674	ug/l	97
17) Carbon Disulfide	4.192	76	2818	1.882	ug/l #	86
20) Methylene Chloride	4.710	84	4518	4.949	ug/l	97
25) 2-Butanone	6.984	43	1921	8.942	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1190	1.280	ug/l #	53
31) Cyclohexane	7.789	56	1288	1.413	ug/l #	58
36) 1,1-Dichloropropene	7.783	75	4189	5.168	ug/l #	53
38) Carbon Tetrachloride	7.789	117	5054	5.482	ug/l #	14
40) Benzene	8.155	78	7481	3.213	ug/l	93
76) 1,2,3-Trichloropropane	12.477	75	16937	40.812	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	16937	88.591	ug/l #	10
95) Naphthalene	15.233	128	957	5.128	ug/l #	87

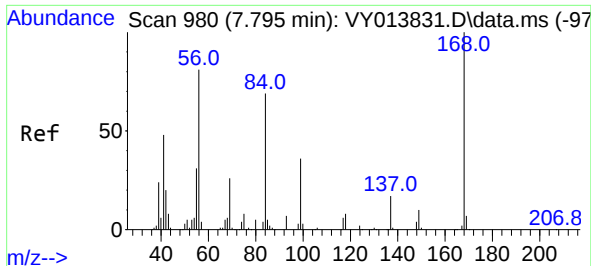
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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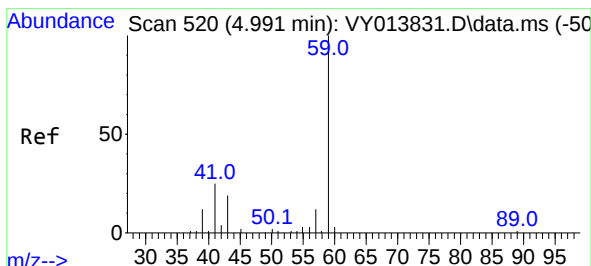
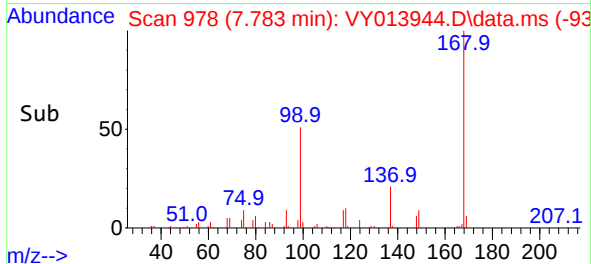
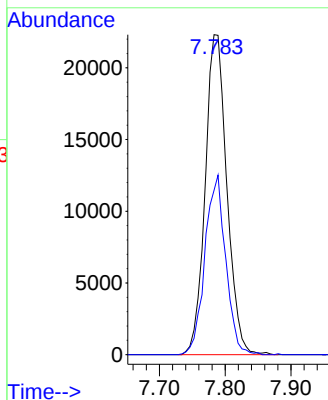
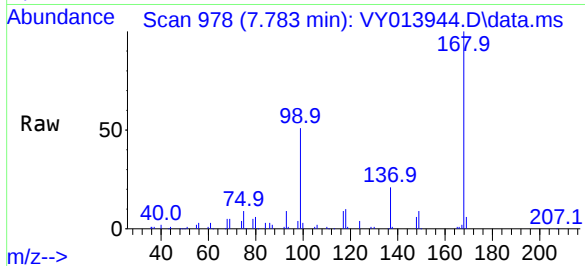




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

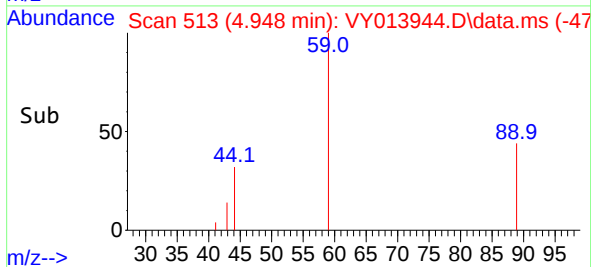
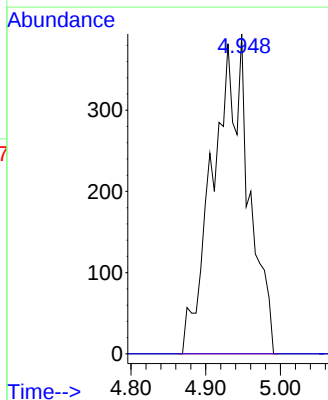
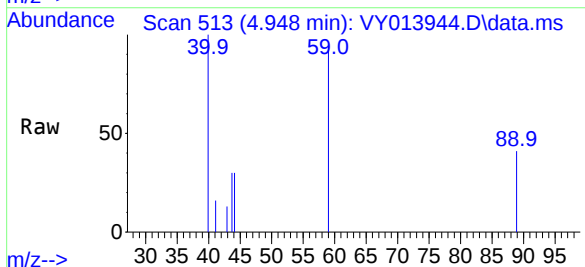
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

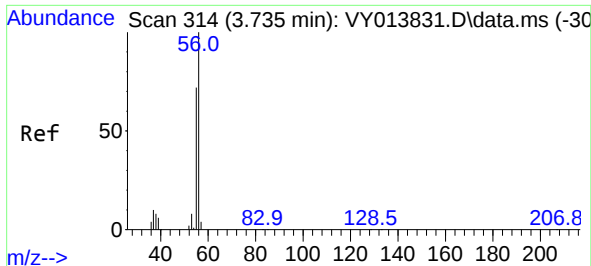
Tgt Ion:168 Resp: 51275
Ion Ratio Lower Upper
168 100
99 51.4 43.4 65.2



#11
Tert butyl alcohol
Concen: 28.783 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.043 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 59 Resp: 1308
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

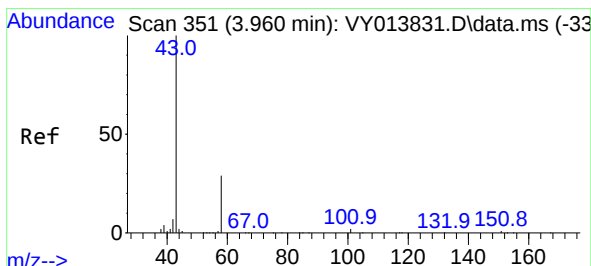
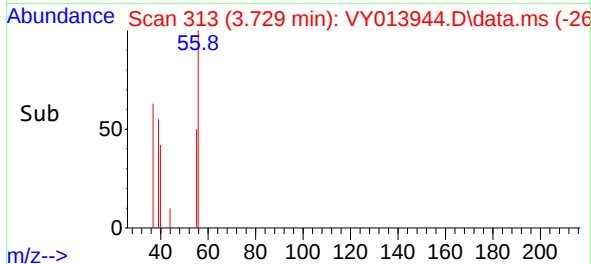
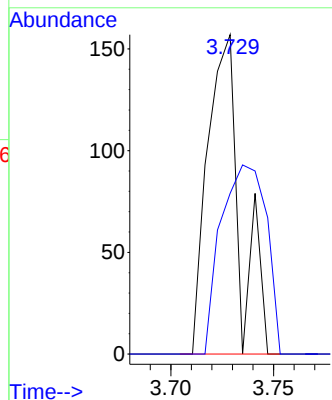
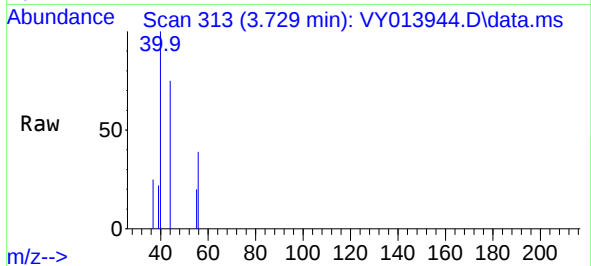




#13
Acrolein
Concen: 2.502 ug/l
RT: 3.729 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

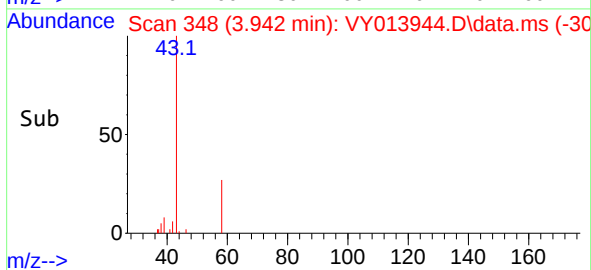
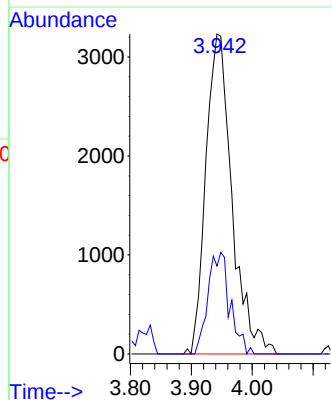
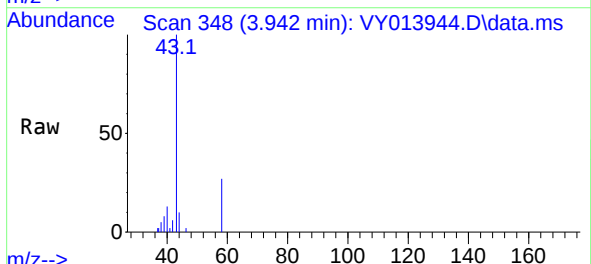
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

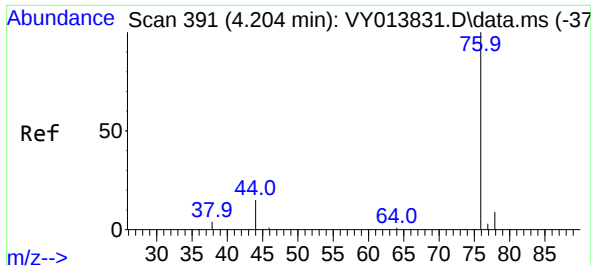
Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 83.6 56.2 84.2



#16
Acetone
Concen: 54.674 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.018 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 43 Resp: 9626
Ion Ratio Lower Upper
43 100
58 27.5 23.3 34.9

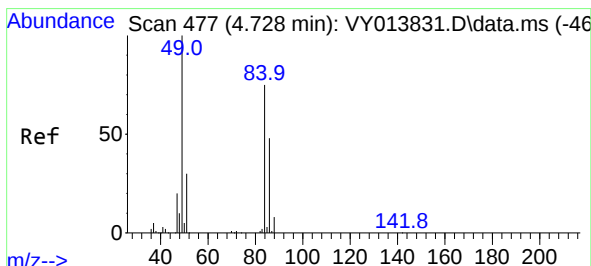
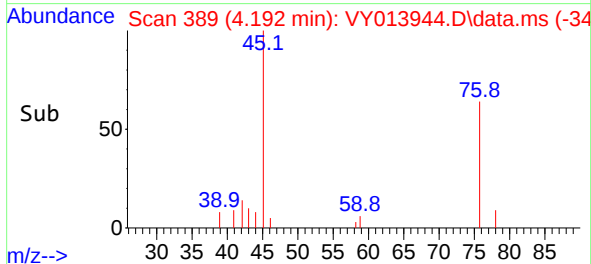
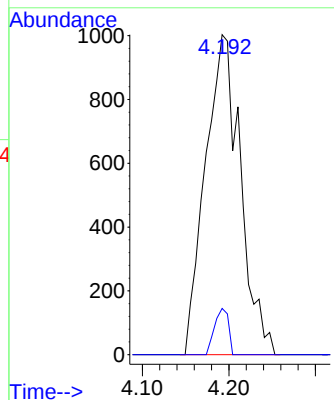
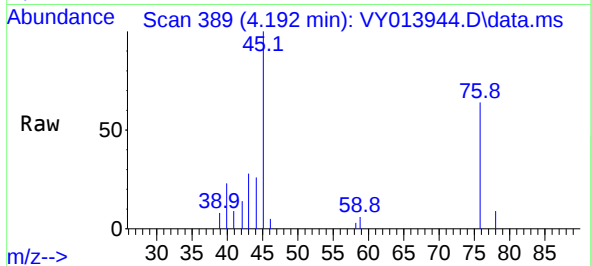




#17
Carbon Disulfide
Concen: 1.882 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

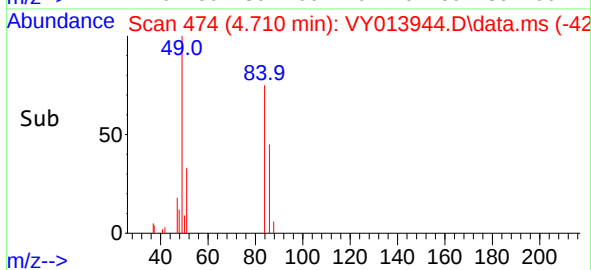
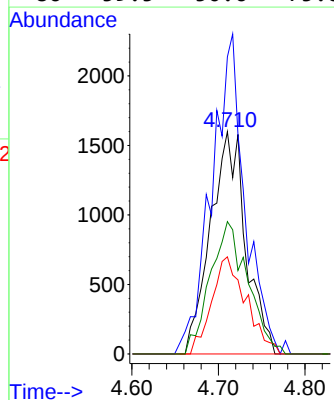
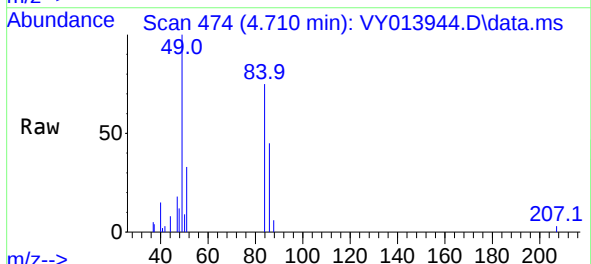
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

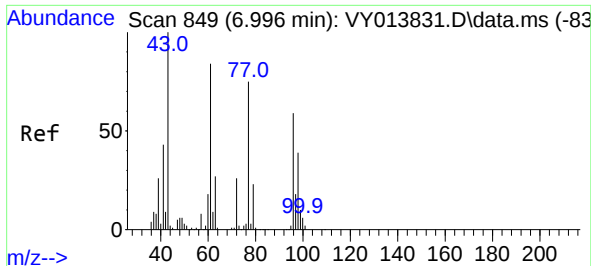
Tgt Ion: 76 Resp: 2818
Ion Ratio Lower Upper
76 100
78 14.5 7.5 11.3#



#20
Methylene Chloride
Concen: 4.949 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.018 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 84 Resp: 4518
Ion Ratio Lower Upper
84 100
49 133.7 106.2 159.2
51 43.7 31.4 47.0
86 59.5 50.6 75.8

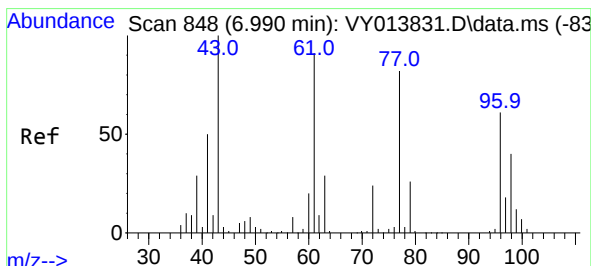
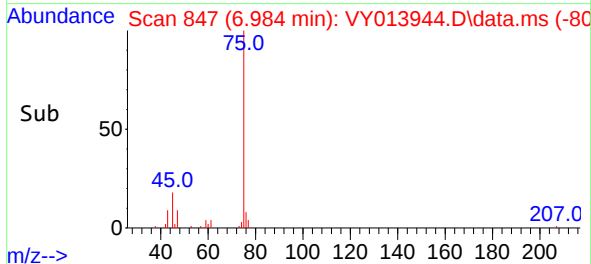
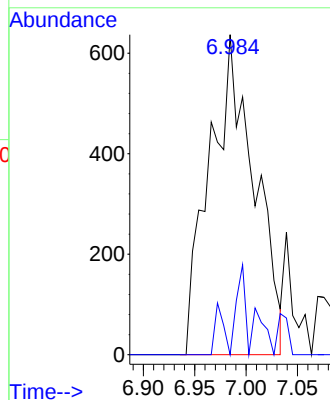
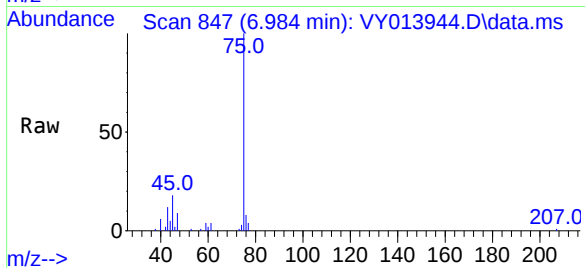




#25
2-Butanone
Concen: 8.942 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

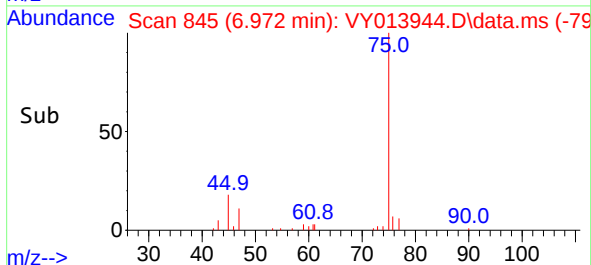
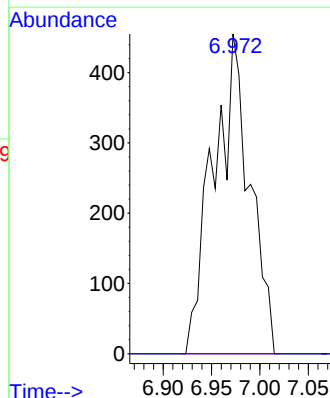
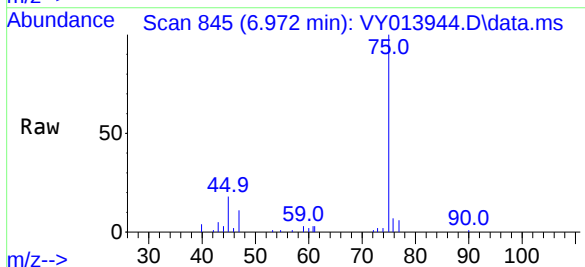
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

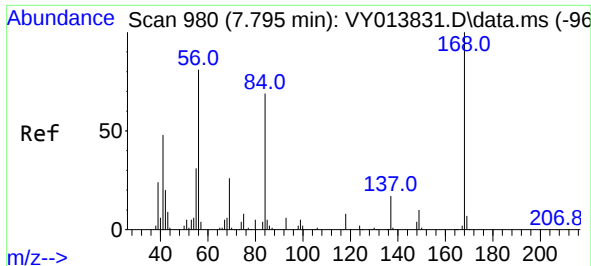
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.280 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 77 Resp: 1190
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#

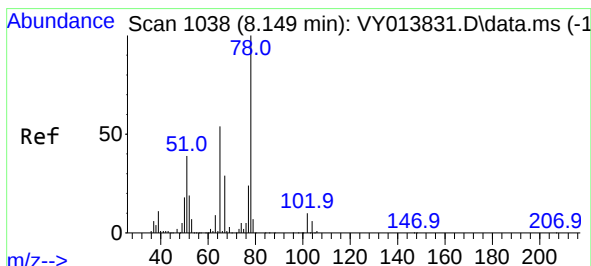
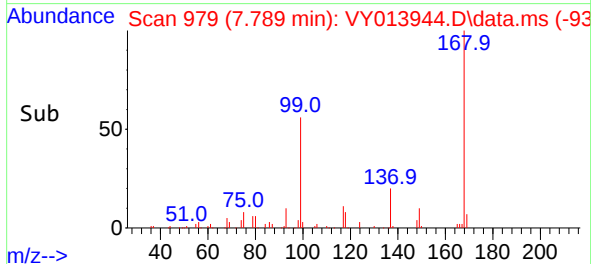
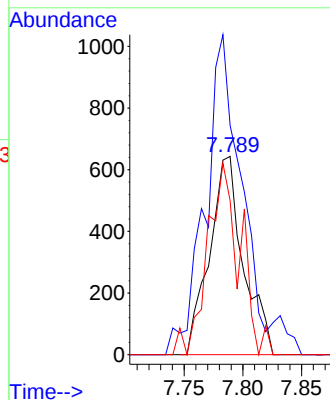
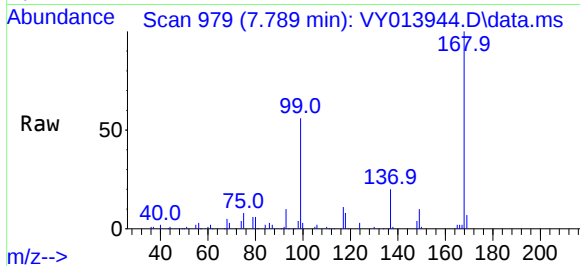




#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

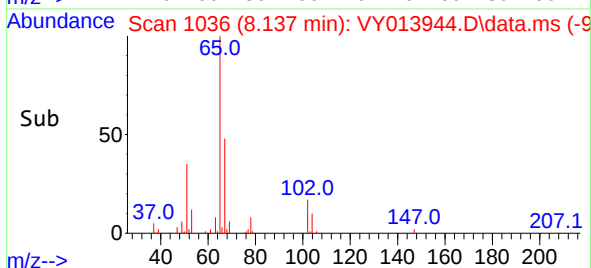
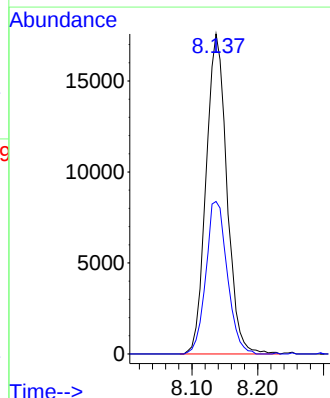
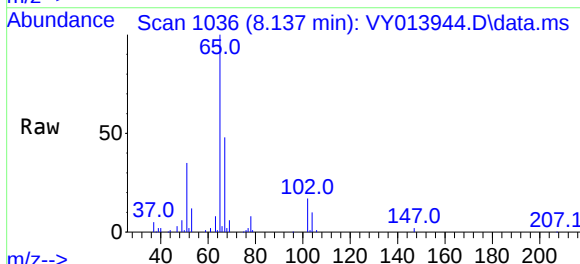
Instrument :
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ClientSampleId :
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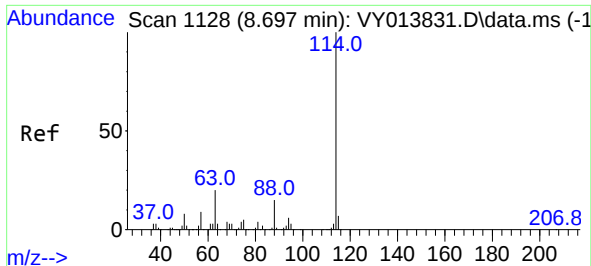
Tgt Ion: 56 Resp: 1288
Ion Ratio Lower Upper
56 100
69 104.8 25.8 38.8#
84 77.8 68.2 102.2



#33
1,2-Dichloroethane-d4
Concen: 65.318 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 65 Resp: 38747
Ion Ratio Lower Upper
65 100
67 48.9 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VY013944.D

Acq: 31 May 2023 18:33

Instrument :

MSVOA_Y

ClientSampleId :

TP-11-0A

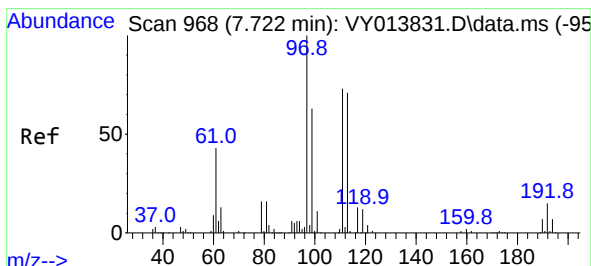
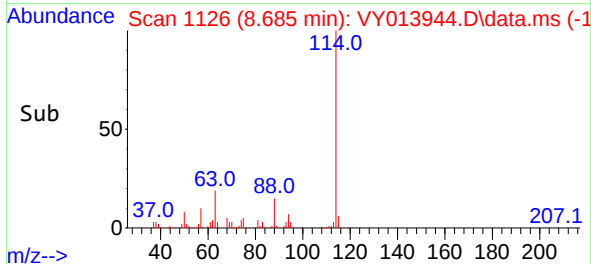
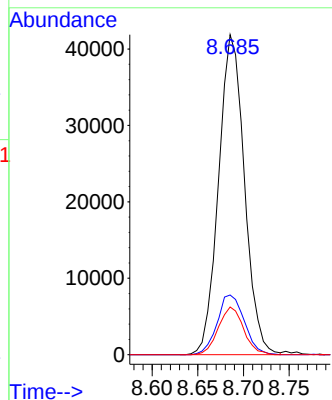
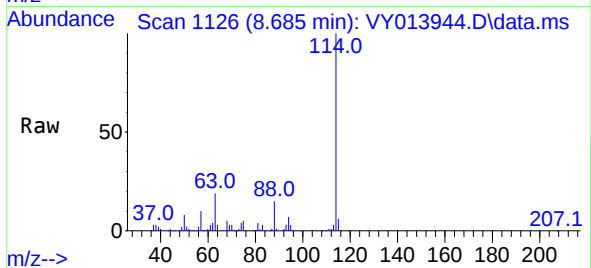
Tgt Ion:114 Resp: 82409

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.2

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 58.318 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013944.D

Acq: 31 May 2023 18:33

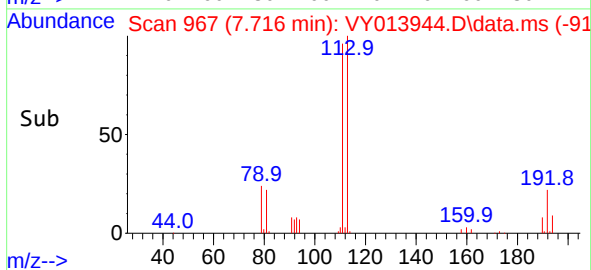
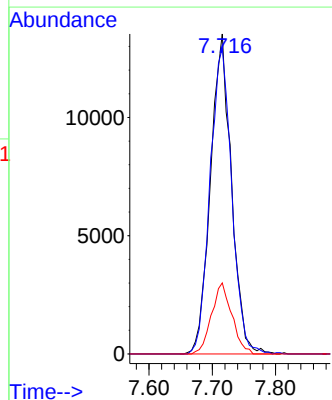
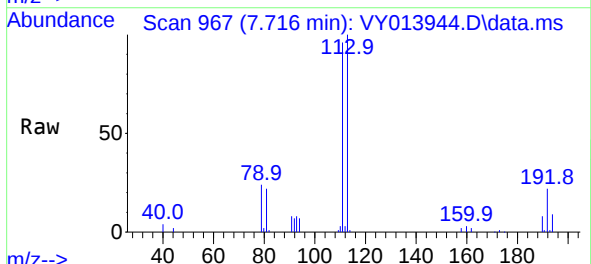
Tgt Ion:113 Resp: 31037

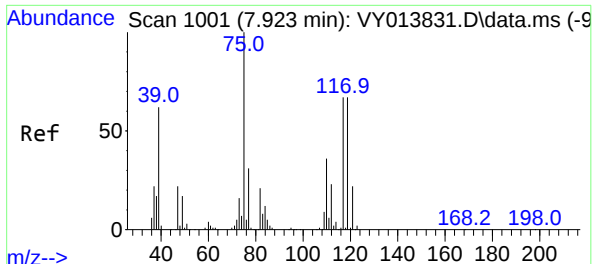
Ion Ratio Lower Upper

113 100

111 99.3 80.4 120.6

192 21.6 16.6 25.0

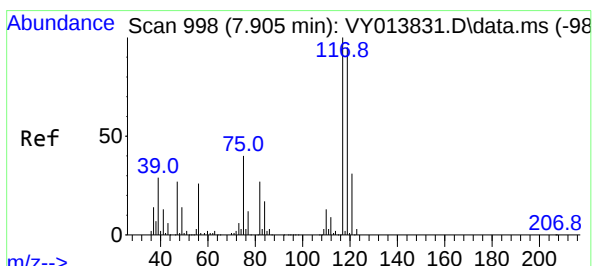
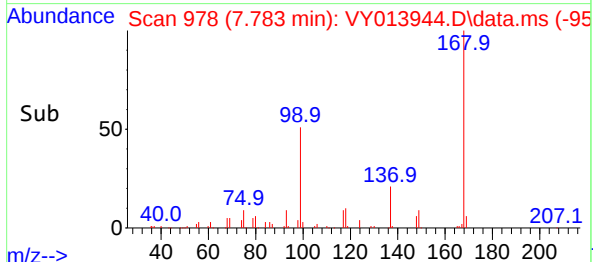
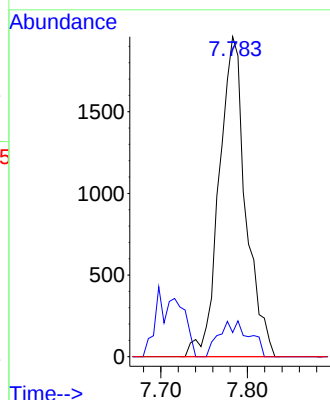
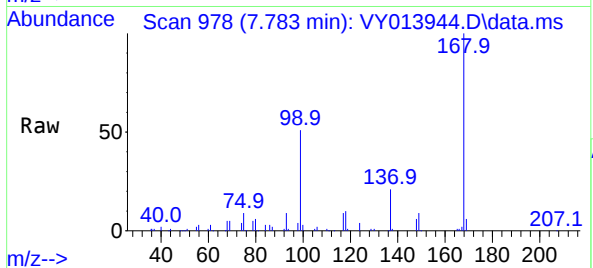




#36
1,1-Dichloropropene
Concen: 5.168 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

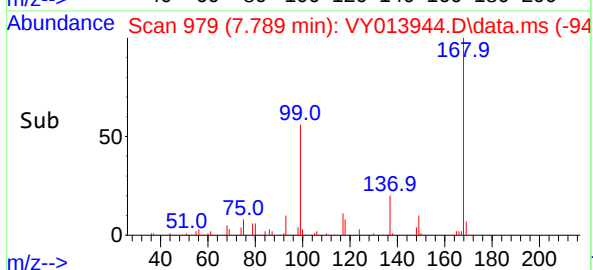
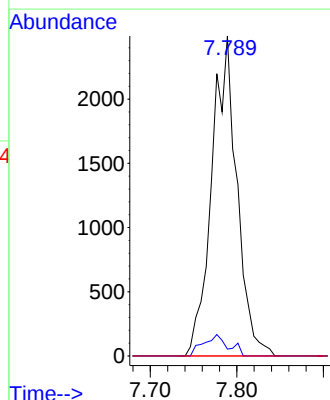
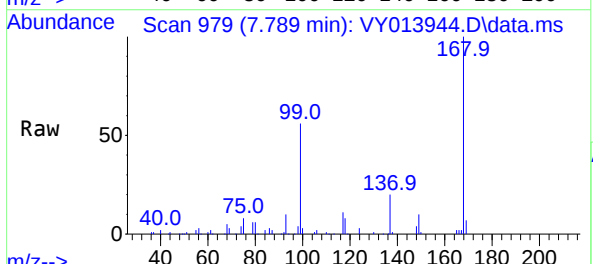
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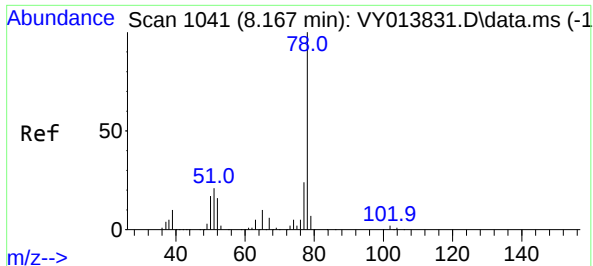
Tgt Ion: 75 Resp: 4189
Ion Ratio Lower Upper
75 100
110 12.6 17.5 52.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 117 Resp: 5054
Ion Ratio Lower Upper
117 100
119 2.1 75.6 113.4#
121 0.0 24.8 37.2#

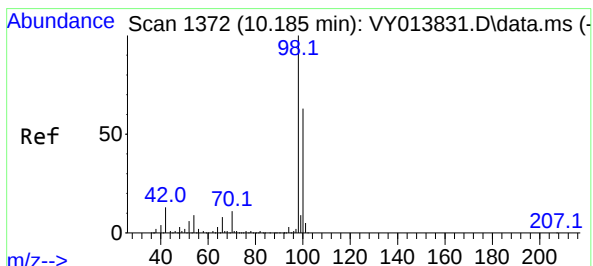
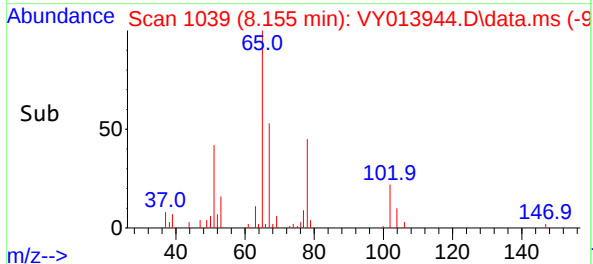
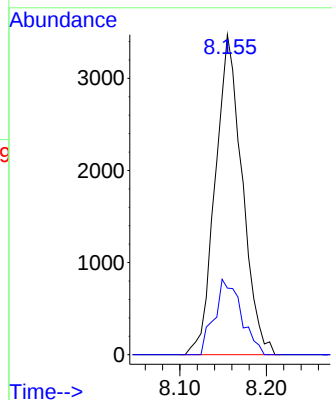
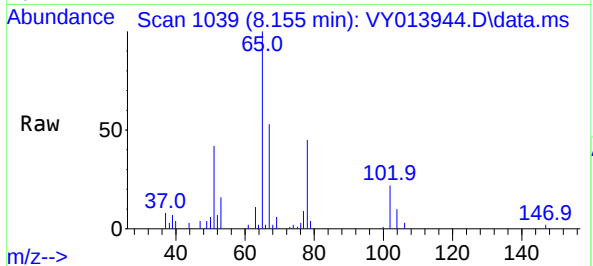




#40
Benzene
Concen: 3.213 ug/l
RT: 8.155 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

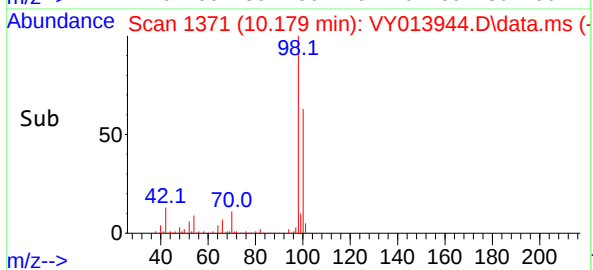
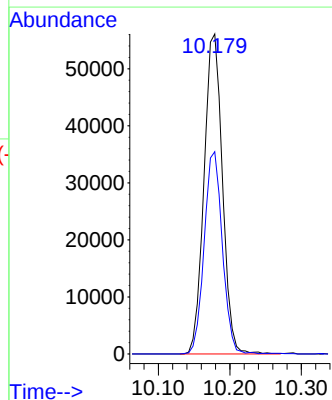
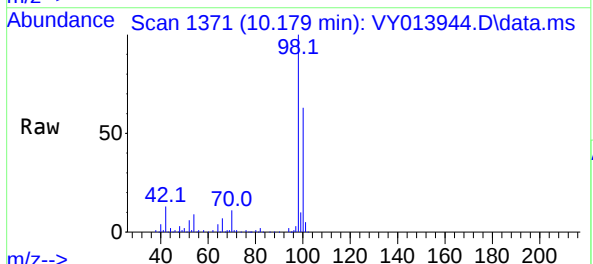
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

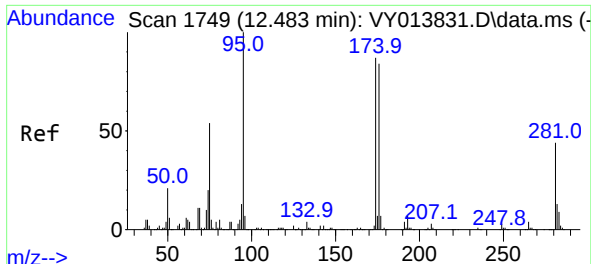
Tgt Ion: 78 Resp: 7481
Ion Ratio Lower Upper
78 100
77 20.8 19.5 29.3



#50
Toluene-d8
Concen: 49.585 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 98 Resp: 100298
Ion Ratio Lower Upper
98 100
100 62.3 50.8 76.2

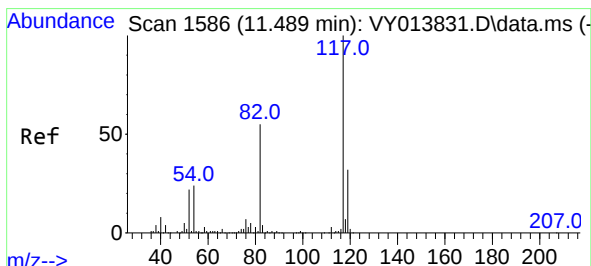
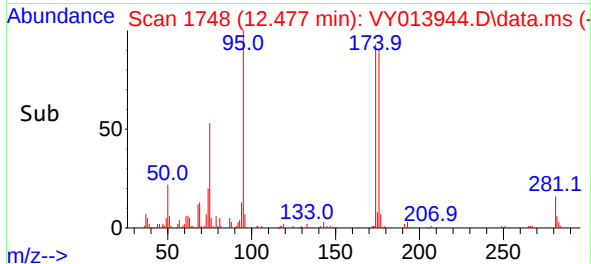
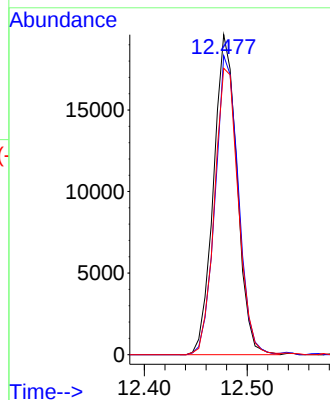
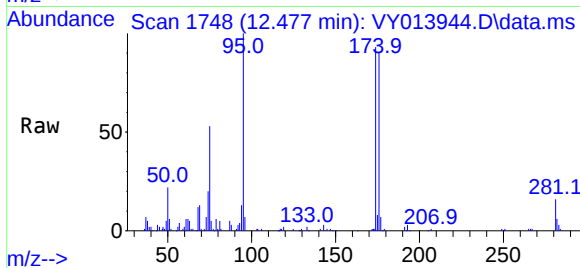




#62
4-Bromofluorobenzene
Concen: 46.214 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

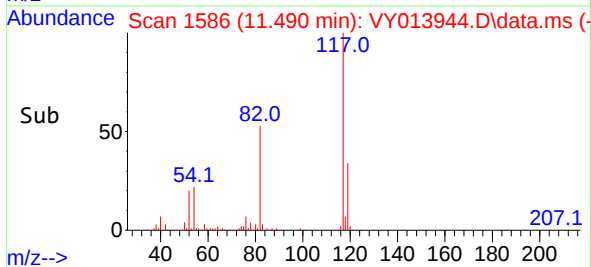
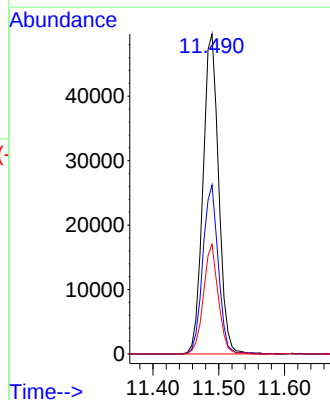
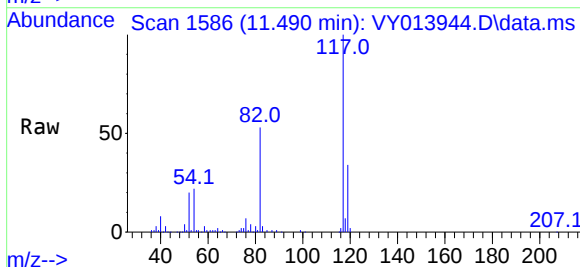
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

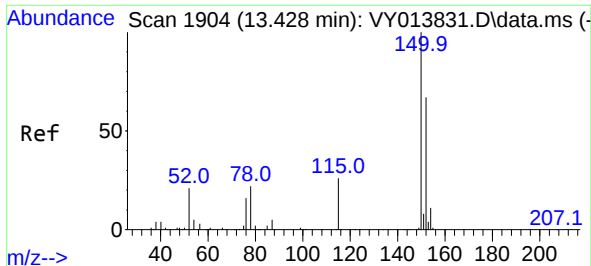
Tgt Ion: 95 Resp: 31072
Ion Ratio Lower Upper
95 100
174 92.1 0.0 176.0
176 90.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 117 Resp: 82193
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.4
119 34.2 25.7 38.5

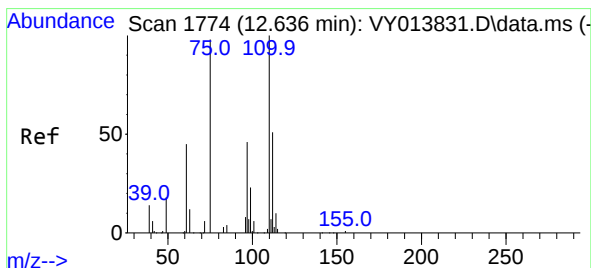
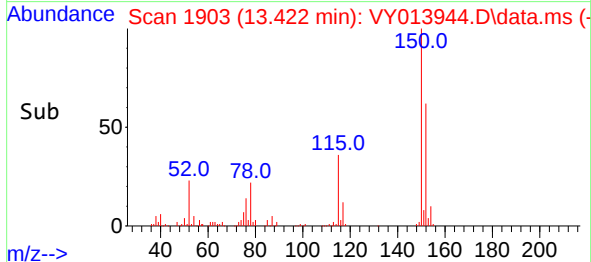
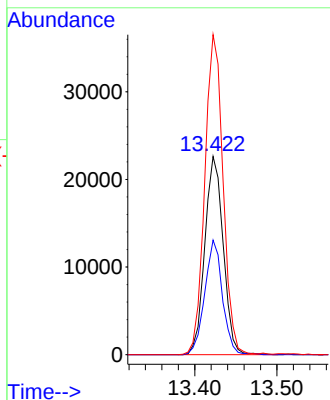
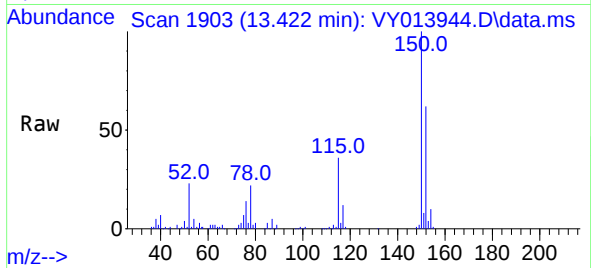




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

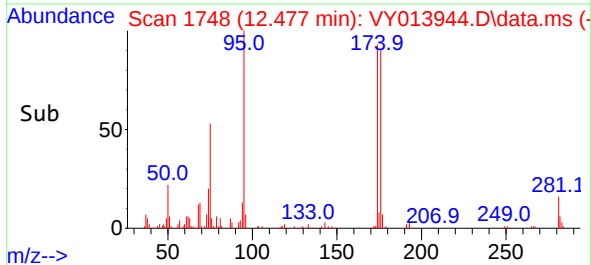
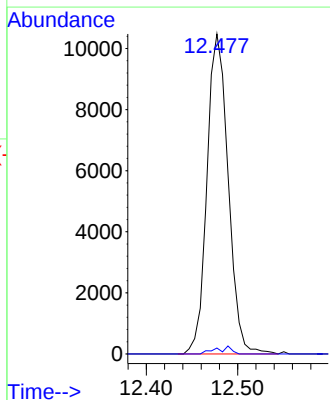
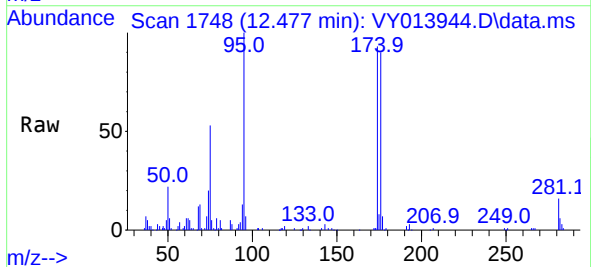
Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

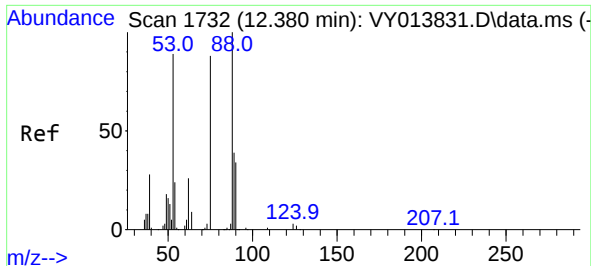
Tgt Ion:152 Resp: 35195
Ion Ratio Lower Upper
152 100
115 55.8 28.8 86.5
150 160.1 0.0 353.4



#76
1,2,3-Trichloropropane
Concen: 40.812 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion: 75 Resp: 16937
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

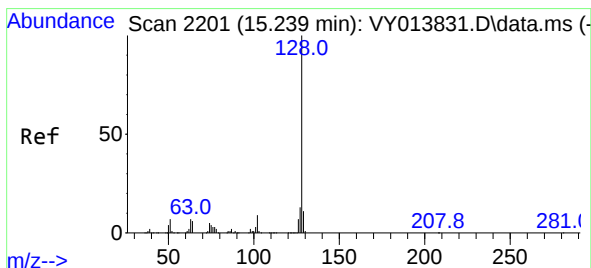
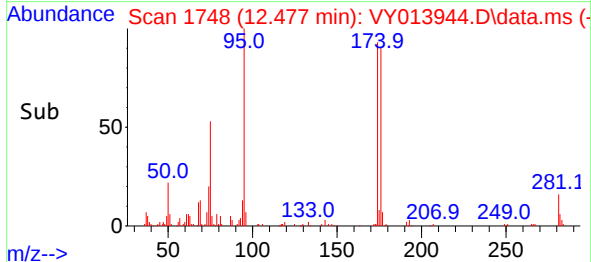
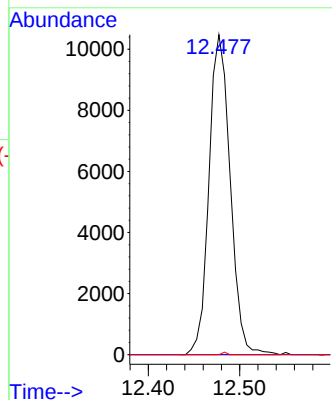
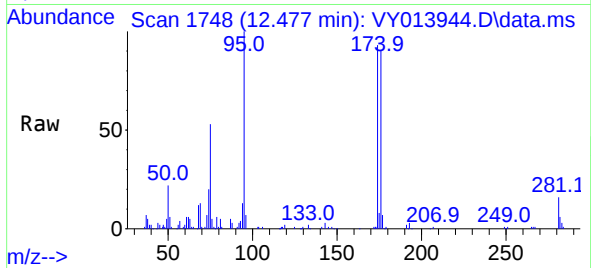




#81
trans-1,4-Dichloro-2-butene
Concen: 88.591 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Instrument :
MSVOA_Y
ClientSampleId :
TP-11-0A

Tgt Ion: 75 Resp: 16937
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.2 36.4 54.6#



#95
Naphthalene
Concen: 5.128 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013944.D
Acq: 31 May 2023 18:33

Tgt Ion:128 Resp: 957
Ion Ratio Lower Upper
128 100
127 7.8 10.7 16.1#
129 6.5 9.0 13.4#

