

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082222\
 Data File : VY010153.D
 Acq On : 22 Aug 2022 18:55
 Operator : KP/MD
 Sample : N4258-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 280251

Quant Time: Aug 23 00:16:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

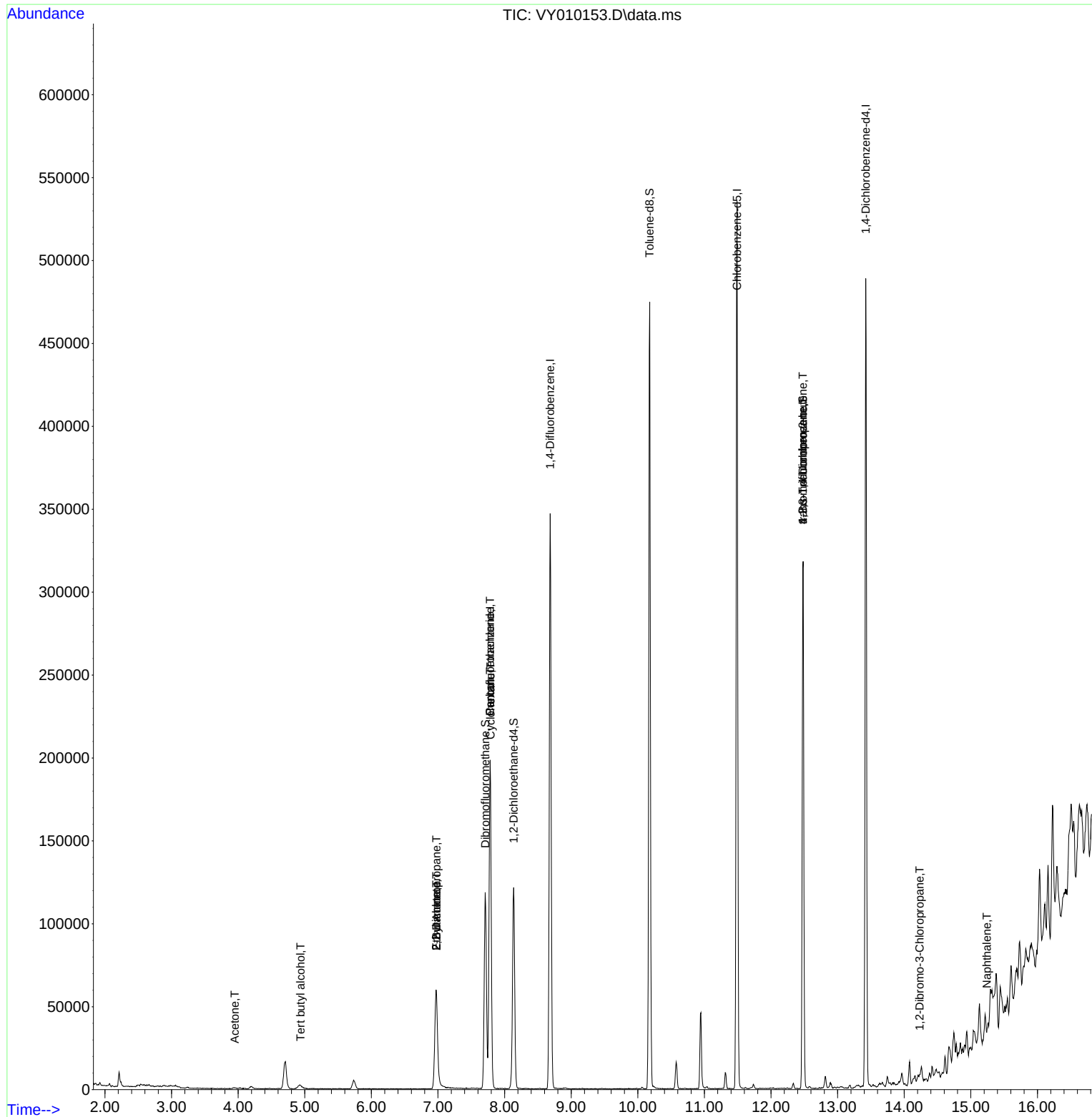
Internal Standards						
1) Pentafluorobenzene	7.783	168	159283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	299417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	129527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88569	67.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.780%
35) Dibromofluoromethane	7.710	113	85157	50.293	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.580%
50) Toluene-d8	10.179	98	311993	49.174	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.477	95	97443	42.985	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	4171	40.003	ug/l #	74
16) Acetone	3.948	43	1342	4.110	ug/l #	86
20) Methylene Chloride	4.710	84	12506	Below Cal		95
25) 2-Butanone	6.978	43	3087	5.877	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	4477	1.820	ug/l #	50
31) Cyclohexane	7.789	56	3063	1.146	ug/l #	1
37) Ethyl Acetate	6.978	43	3087	2.250	ug/l #	1
38) Carbon Tetrachloride	7.783	117	15001	5.292	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	47791	39.397	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47791	79.129	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.233	75	387	1.452	ug/l #	1
95) Naphthalene	15.239	128	822	4.042	ug/l #	56

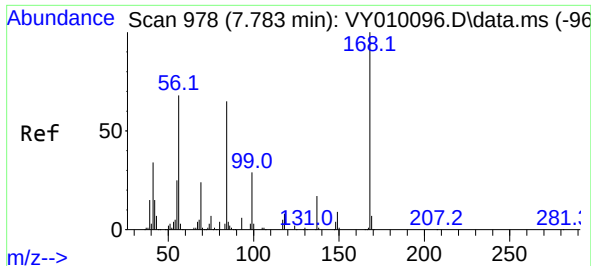
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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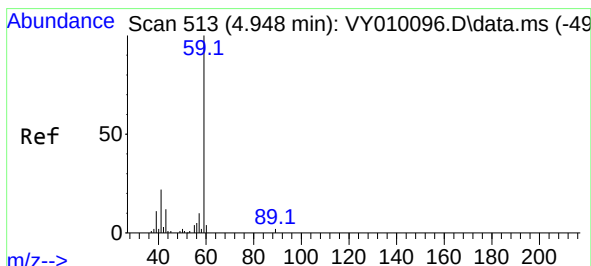
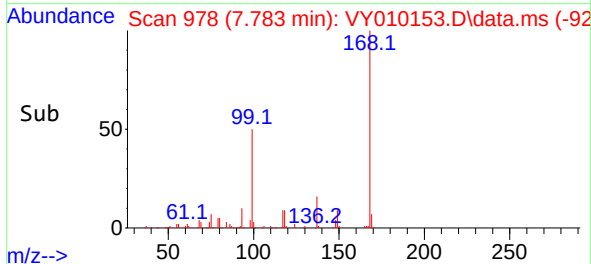
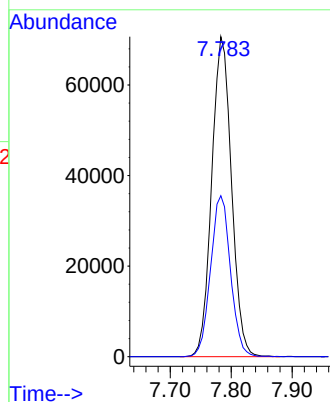
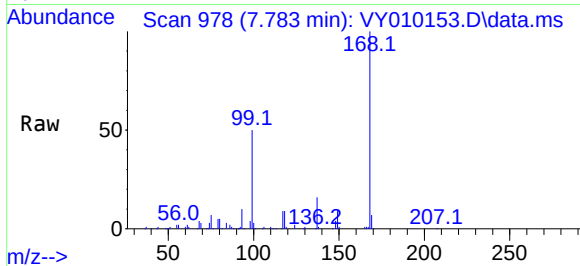




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

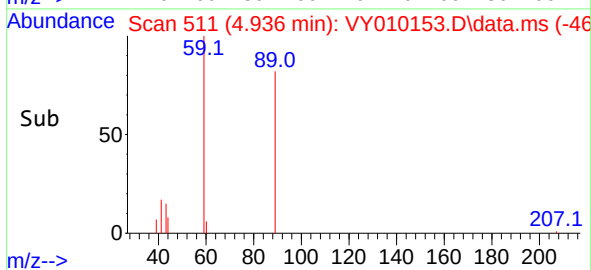
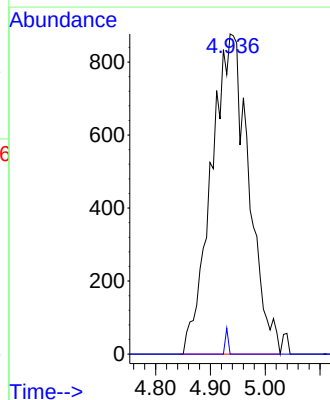
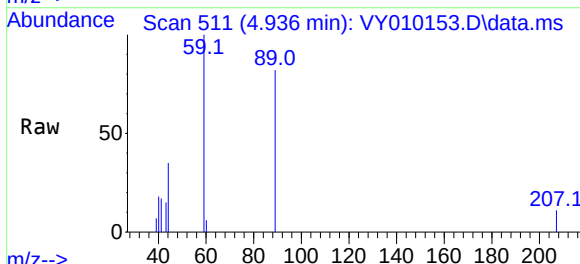
Instrument :
MSVOA_Y
ClientSampleId :
280251

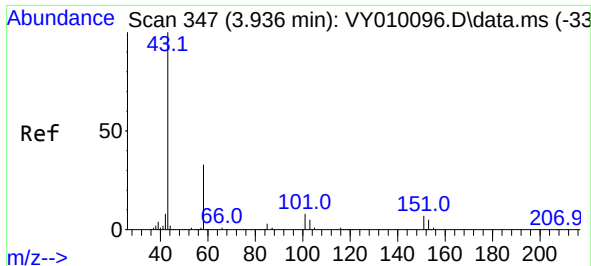
Tgt Ion:168 Resp: 159283
Ion Ratio Lower Upper
168 100
99 50.3 40.7 61.1



#11
Tert butyl alcohol
Concen: 40.003 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 59 Resp: 4171
Ion Ratio Lower Upper
59 100
57 0.6 8.2 12.2#

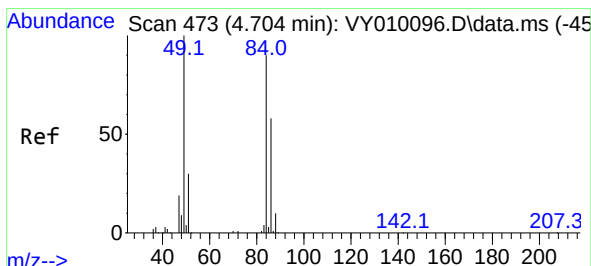
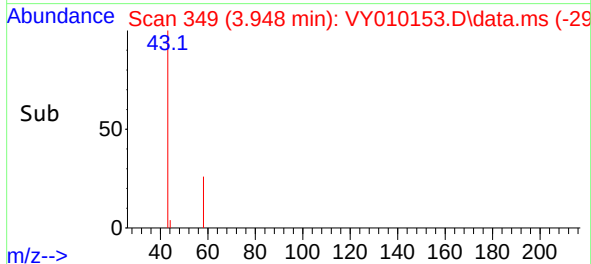
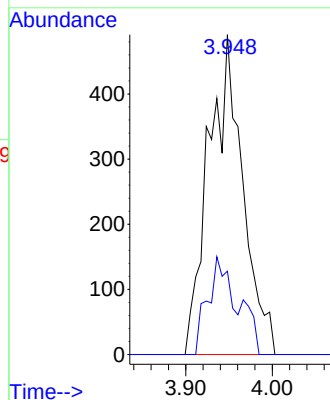
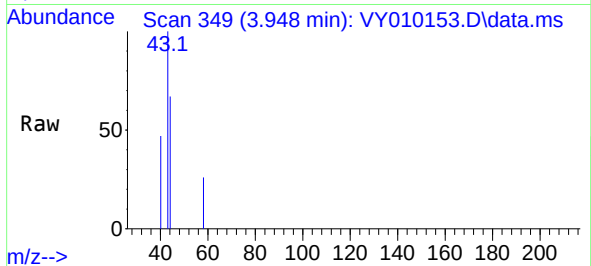




#16
Acetone
Concen: 4.110 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

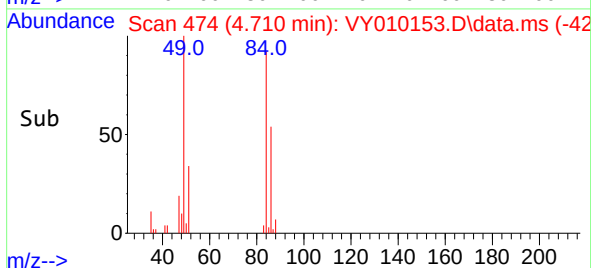
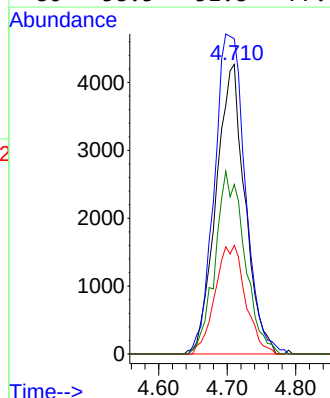
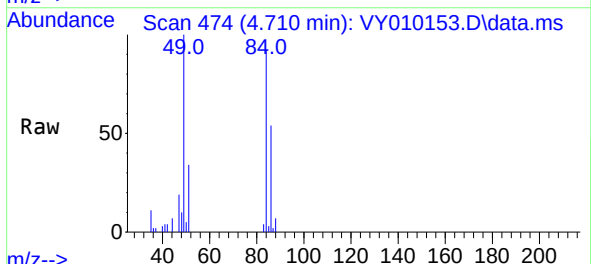
Instrument :
MSVOA_Y
ClientSampleId :
280251

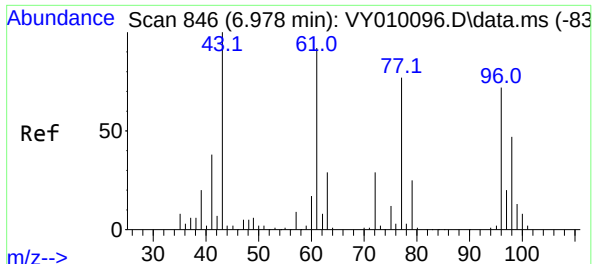
Tgt Ion: 43 Resp: 1342
Ion Ratio Lower Upper
43 100
58 26.1 27.4 41.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 84 Resp: 12506
Ion Ratio Lower Upper
84 100
49 108.9 89.0 133.4
51 37.5 27.0 40.6
86 58.5 51.8 77.6





#25

2-Butanone

Concen: 5.877 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010153.D

Acq: 22 Aug 2022 18:55

Instrument :

MSVOA_Y

ClientSampleId :

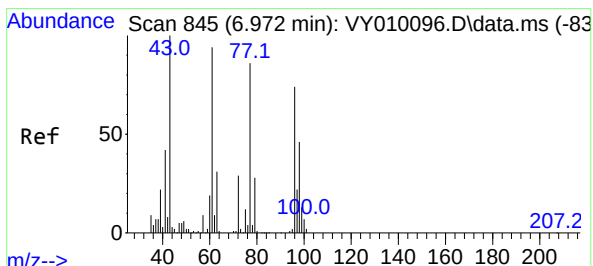
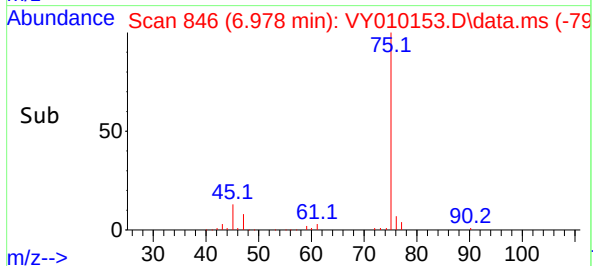
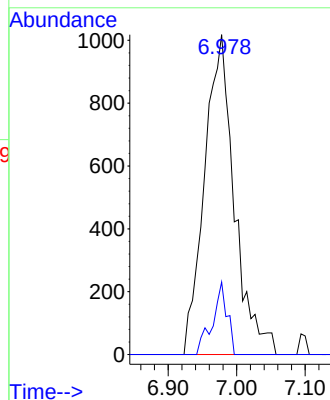
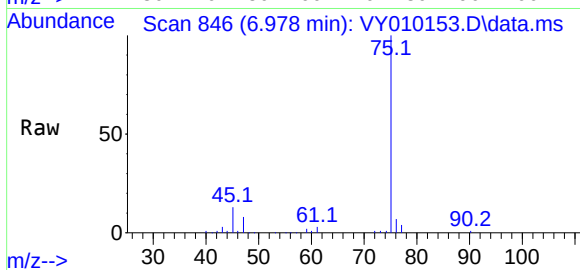
280251

Tgt Ion: 43 Resp: 3087

Ion Ratio Lower Upper

43 100

72 22.7 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 1.820 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY010153.D

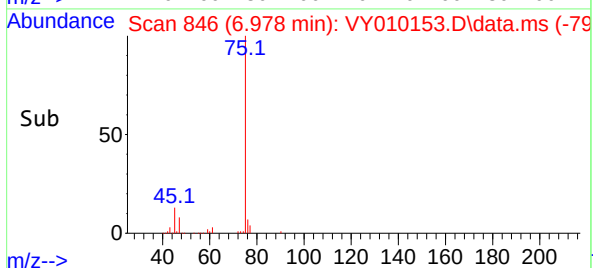
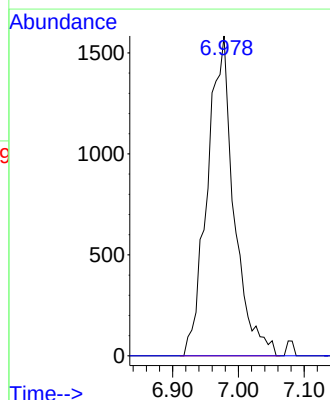
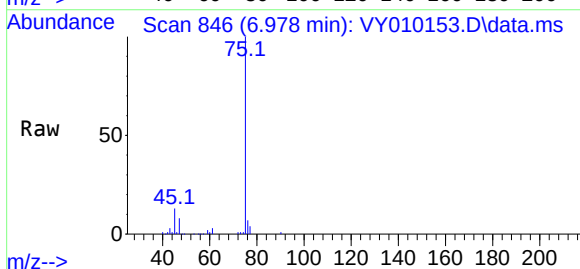
Acq: 22 Aug 2022 18:55

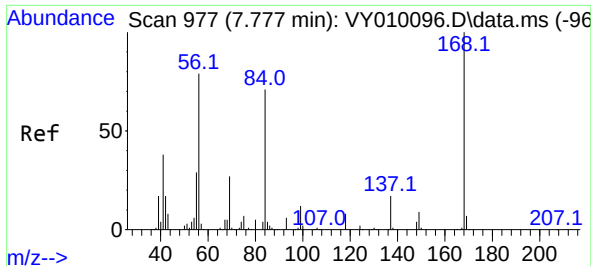
Tgt Ion: 77 Resp: 4477

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

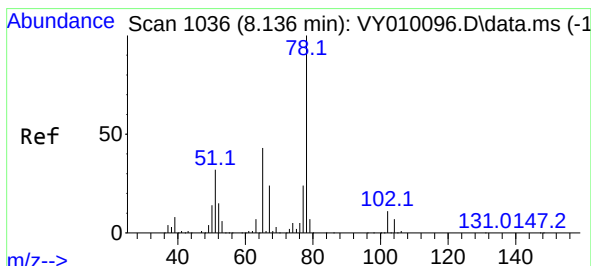
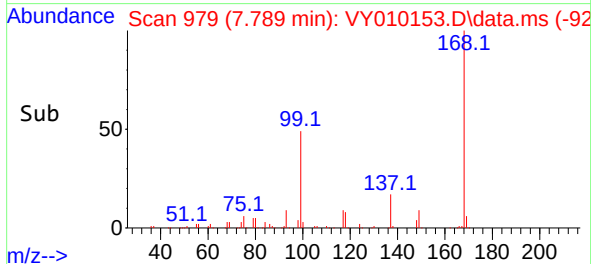
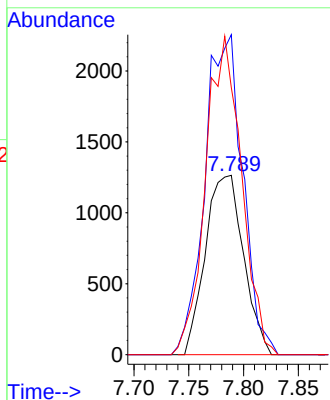
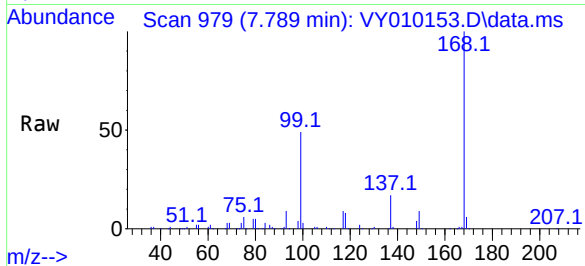




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

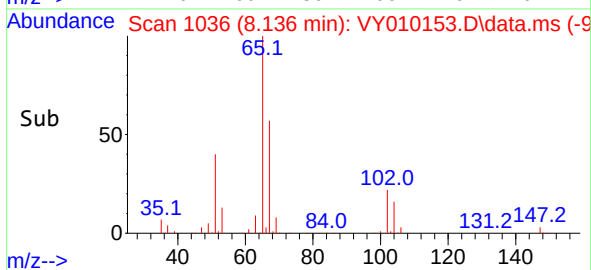
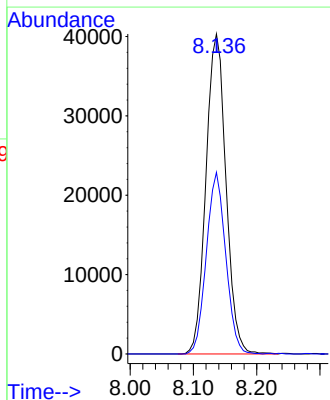
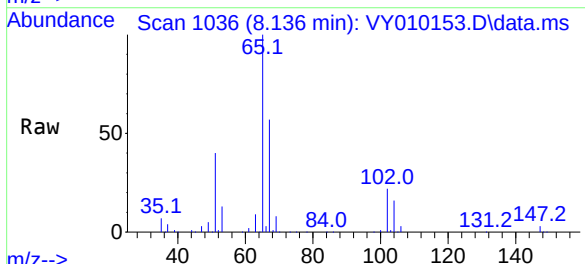
Instrument :
MSVOA_Y
ClientSampleId :
280251

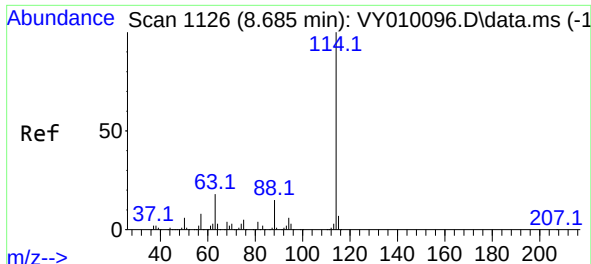
Tgt Ion: 56 Resp: 3063
Ion Ratio Lower Upper
56 100
69 178.5 27.3 40.9#
84 149.0 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 67.886 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 65 Resp: 88569
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010153.D

Acq: 22 Aug 2022 18:55

Instrument :

MSVOA_Y

ClientSampleId :

280251

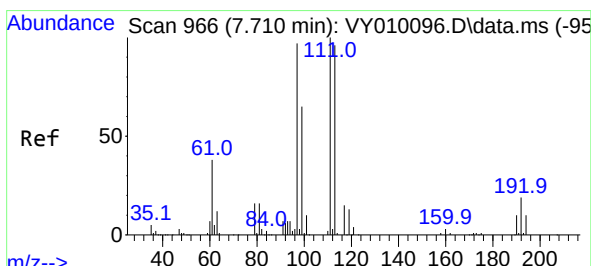
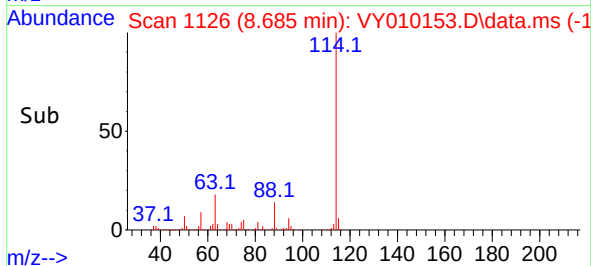
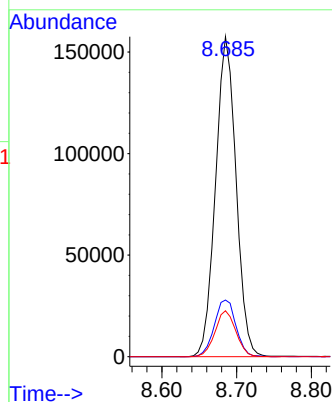
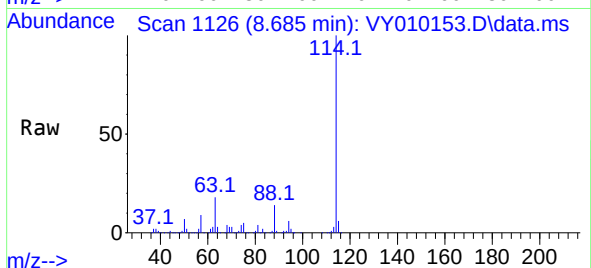
Tgt Ion:114 Resp: 300494

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 14.4 0.0 29.6



#35

Dibromofluoromethane

Concen: 50.293 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010153.D

Acq: 22 Aug 2022 18:55

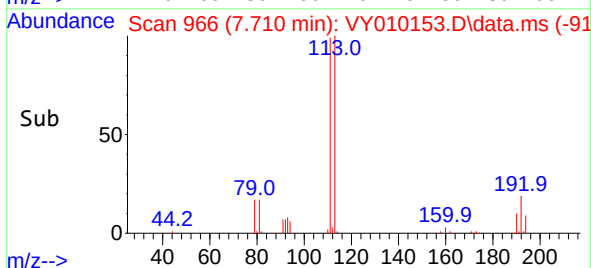
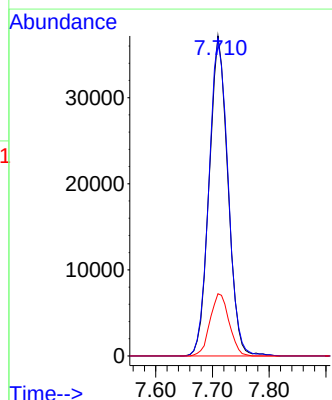
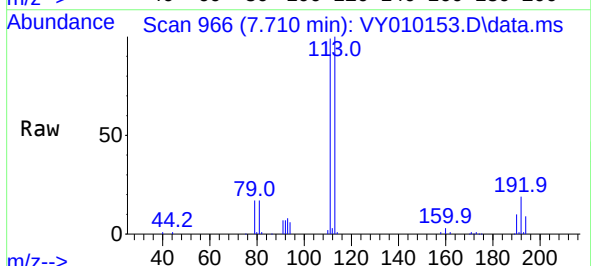
Tgt Ion:113 Resp: 85157

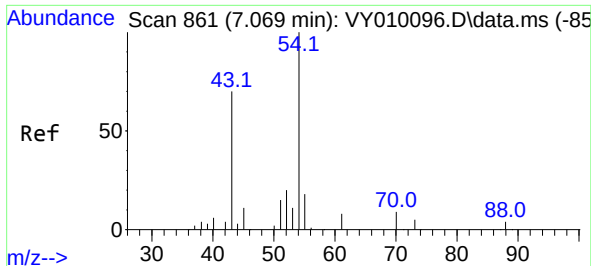
Ion Ratio Lower Upper

113 100

111 101.7 82.8 124.2

192 19.8 16.3 24.5

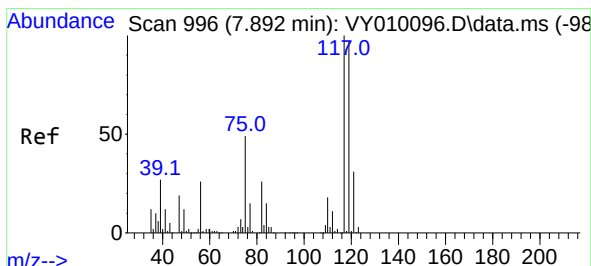
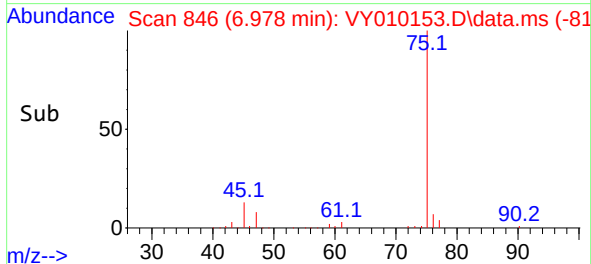
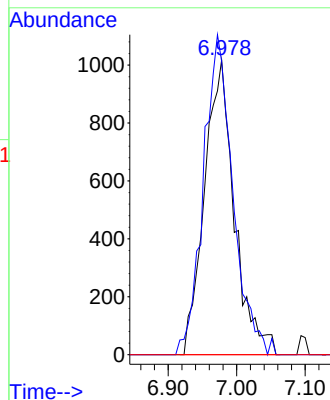
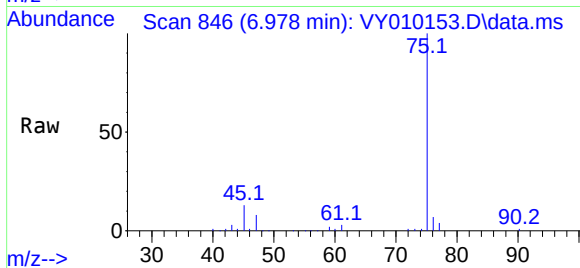




#37
Ethyl Acetate
Concen: 2.250 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.091 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

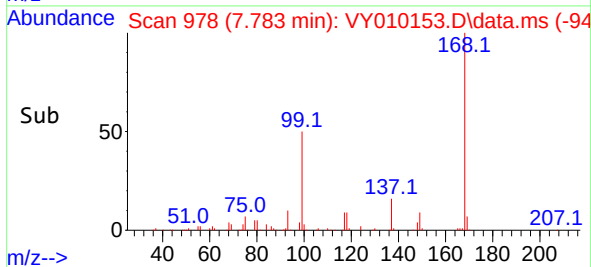
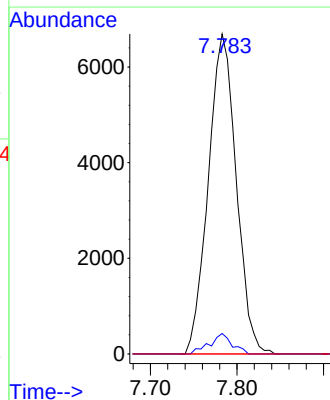
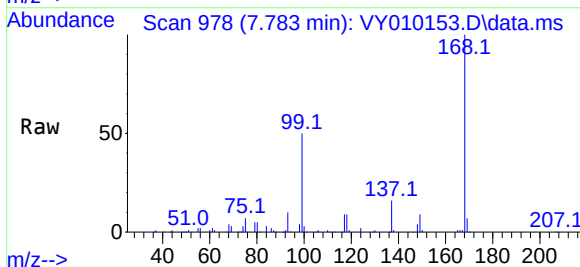
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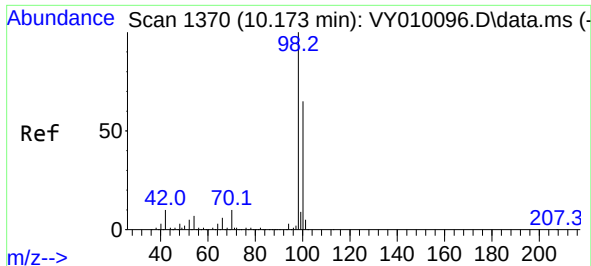
Tgt Ion: 43 Resp: 3087
Ion Ratio Lower Upper
43 100
61 107.2 11.7 17.5#
70 0.0 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 5.292 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 117 Resp: 15001
Ion Ratio Lower Upper
117 100
119 6.4 77.1 115.7#
121 0.0 24.7 37.1#

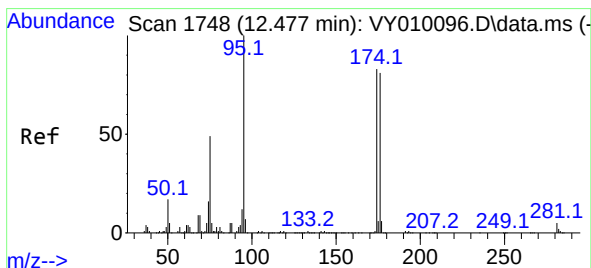
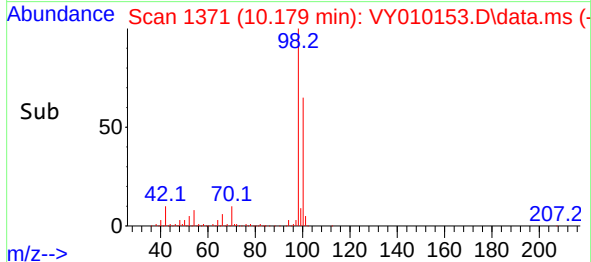
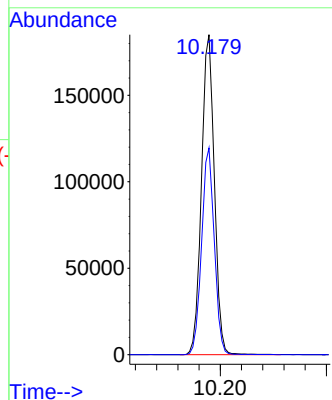
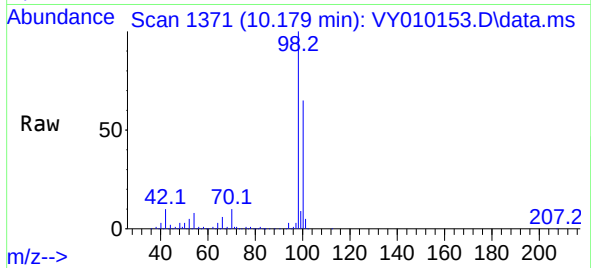




#50
Toluene-d8
Concen: 49.174 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

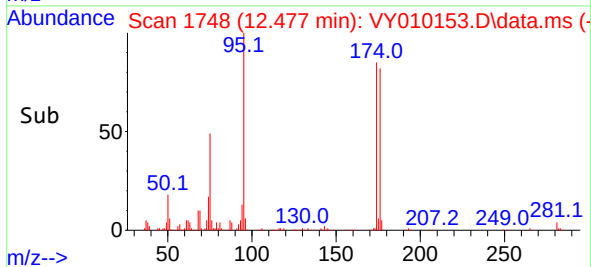
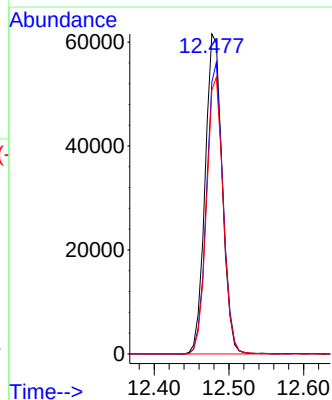
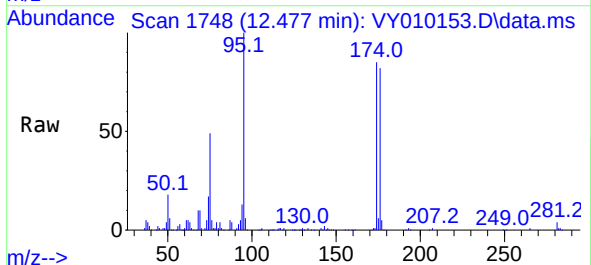
Instrument :
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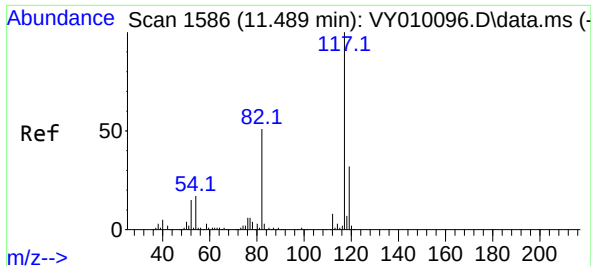
Tgt Ion: 98 Resp: 311993
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.985 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 95 Resp: 97443
Ion Ratio Lower Upper
95 100
174 88.5 0.0 173.8
176 84.5 0.0 167.2

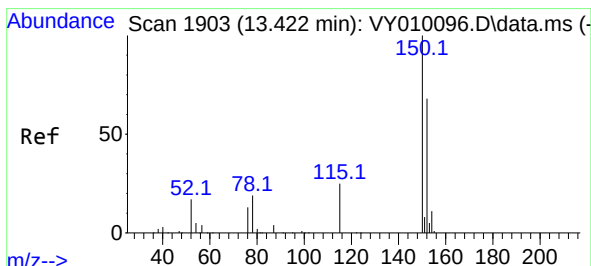
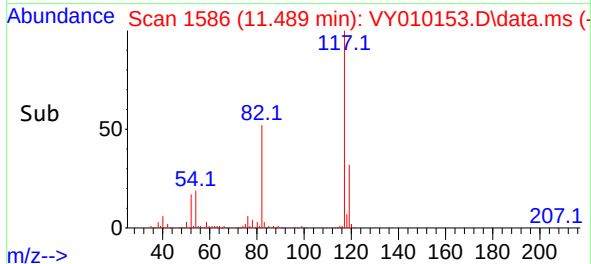
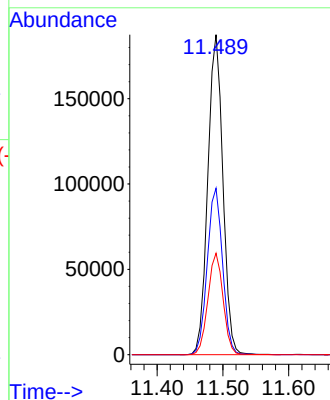
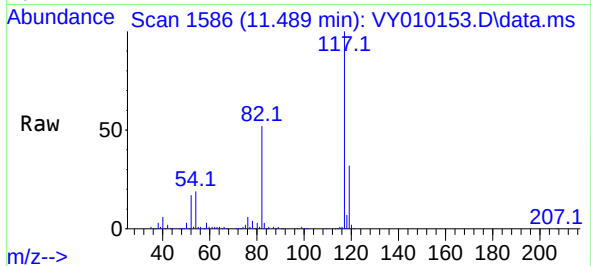




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

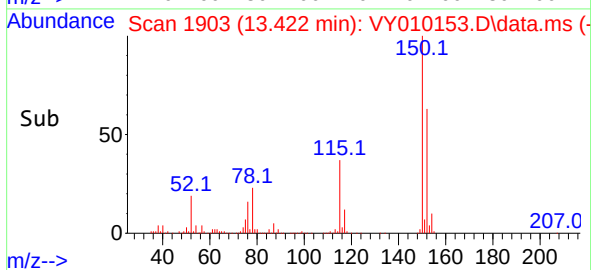
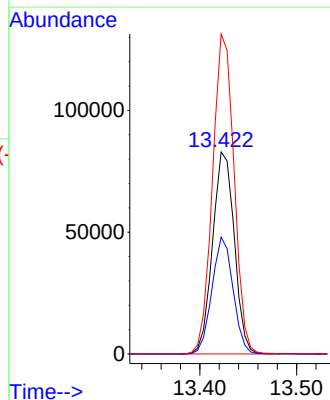
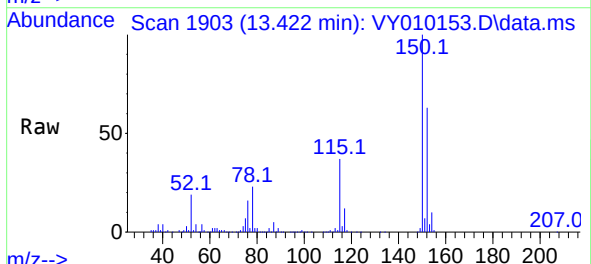
Instrument :
MSVOA_Y
ClientSampleId :
280251

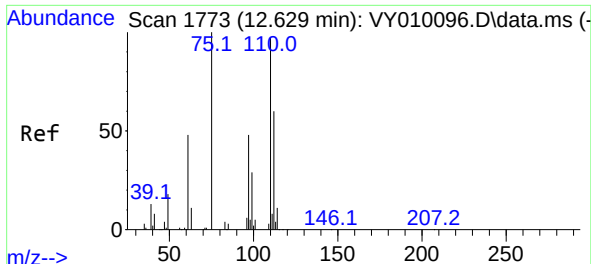
Tgt Ion:117 Resp: 299417
Ion Ratio Lower Upper
117 100
82 52.0 40.6 61.0
119 31.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion:152 Resp: 129527
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.2
150 157.3 0.0 346.2

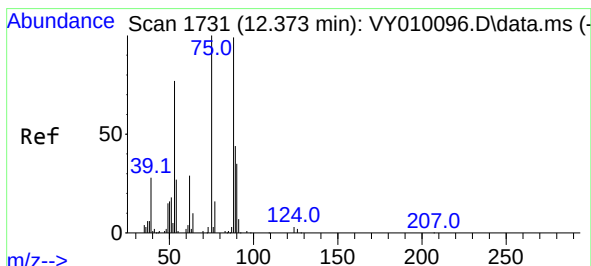
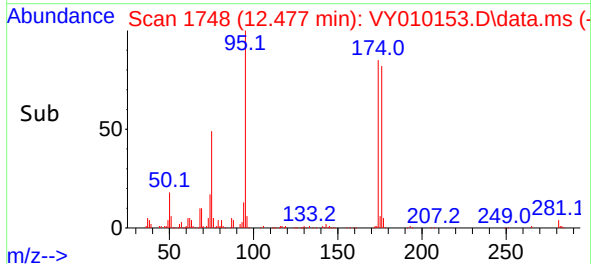
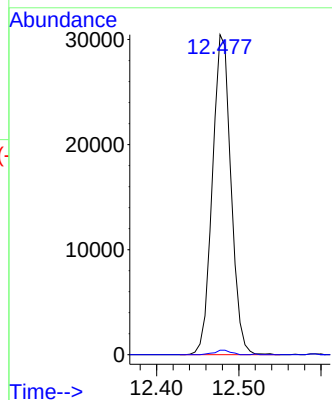
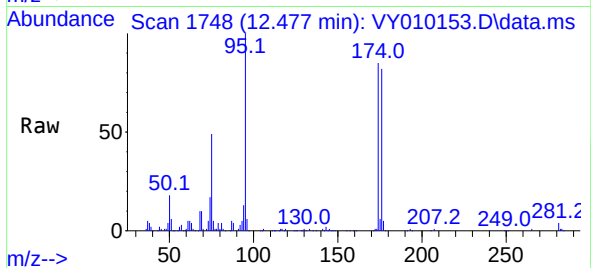




#76
1,2,3-Trichloropropane
Concen: 39.397 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

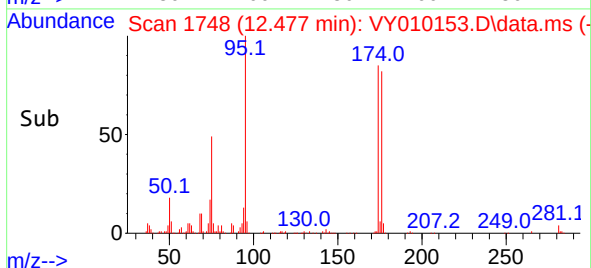
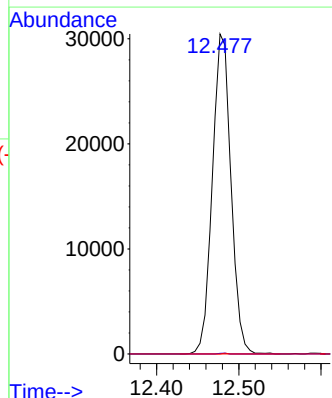
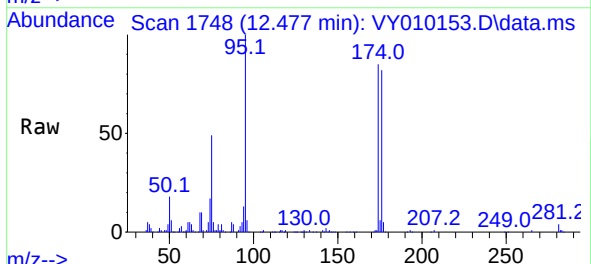
Instrument :
MSVOA_Y
ClientSampleId :
280251

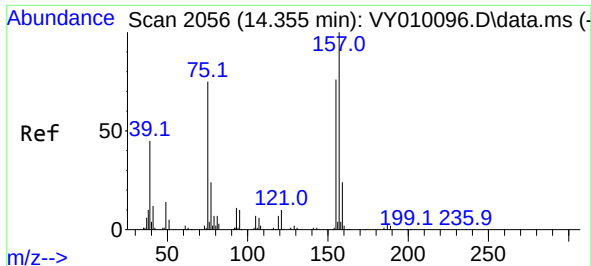
Tgt Ion: 75 Resp: 47791
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.129 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 75 Resp: 47791
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 36.8 55.2#

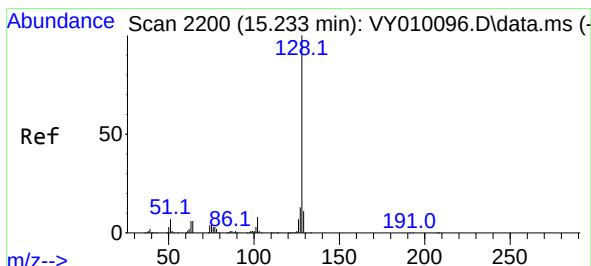
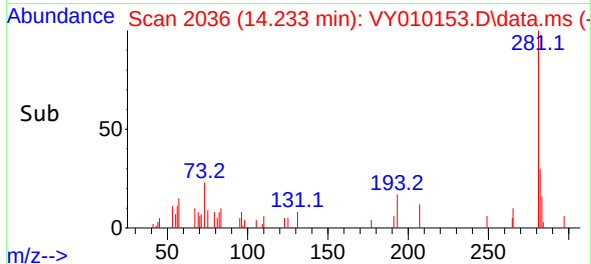
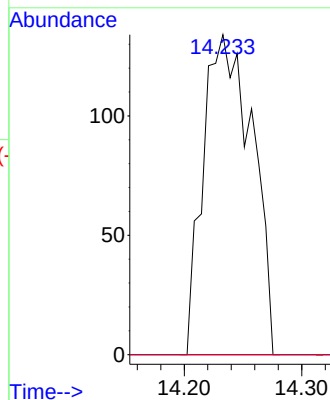
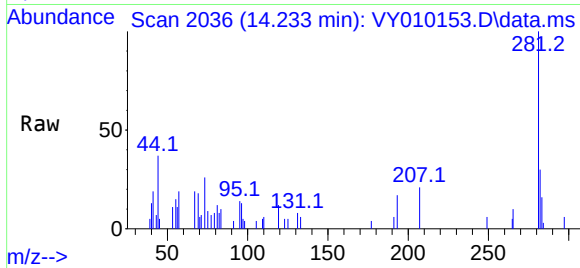




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.452 ug/l
RT: 14.233 min Scan# 2056
Delta R.T. -0.122 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Instrument :
MSVOA_Y
ClientSampleId :
280251

Tgt Ion: 75 Resp: 387
Ion Ratio Lower Upper
75 100
155 0.0 49.1 147.4#
157 0.0 62.3 186.8#



#95
Naphthalene
Concen: 4.042 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010153.D
Acq: 22 Aug 2022 18:55

Tgt Ion: 128 Resp: 822
Ion Ratio Lower Upper
128 100
127 35.4 10.2 15.2#
129 0.0 8.9 13.3#

