

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010111.D
 Acq On : 19 Aug 2022 18:15
 Operator : KP/MD
 Sample : N4200-10
 Misc : 9.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S5

Quant Time: Aug 22 02:44:00 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)

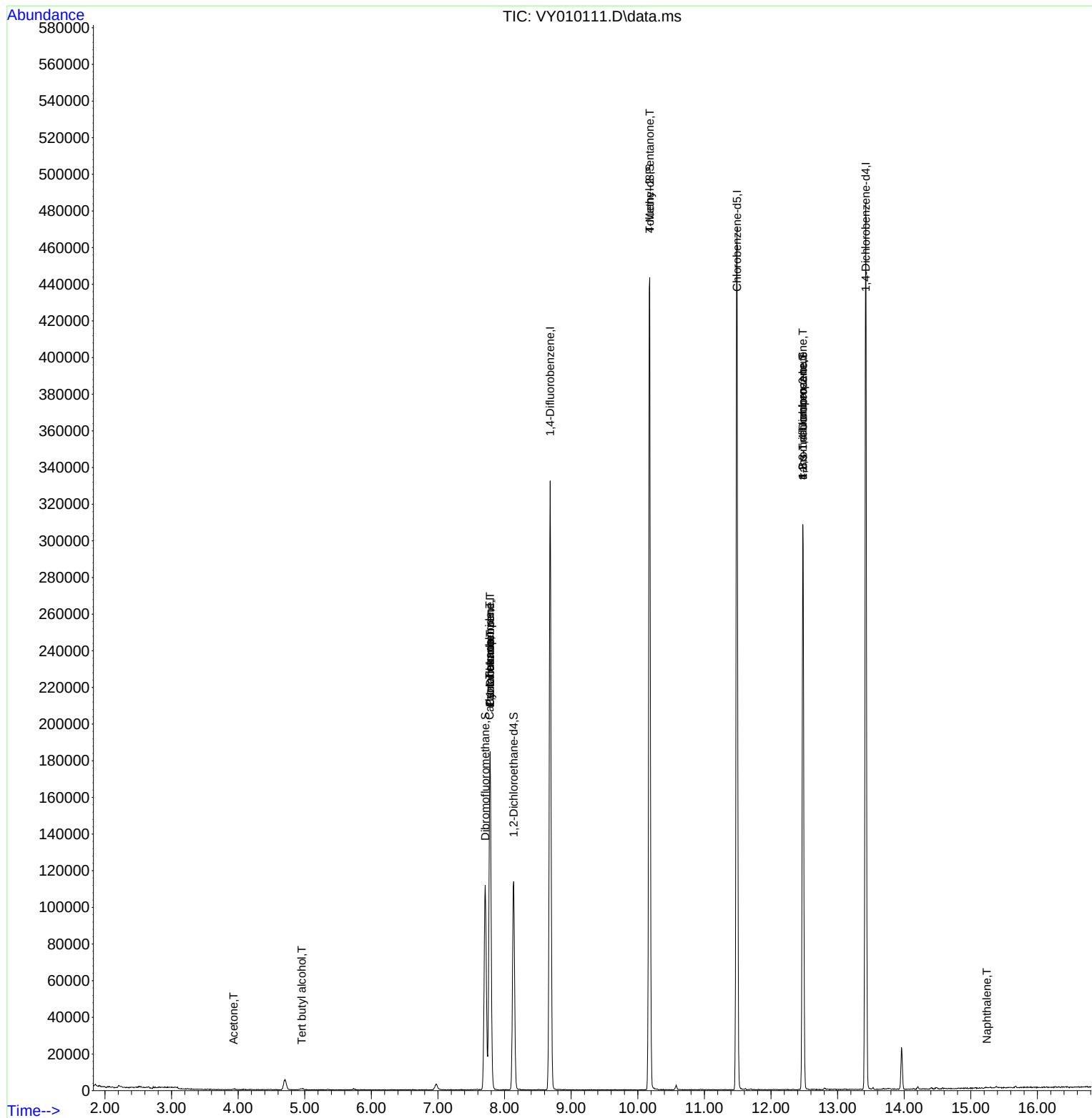
Internal Standards						
1) Pentafluorobenzene	7.783	168	146952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	278510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	84072	69.846	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.700%	
35) Dibromofluoromethane	7.710	113	80432	51.252	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.500%	
50) Toluene-d8	10.179	98	296911	50.491	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.980%	
62) 4-Bromofluorobenzene	12.477	95	89677	42.682	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1168	19.423	ug/l #	73
16) Acetone	3.930	43	419	1.391	ug/l #	40
20) Methylene Chloride	4.704	84	4188	Below Cal		89
31) Cyclohexane	7.783	56	2596	1.053	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10396	4.150	ug/l #	48
38) Carbon Tetrachloride	7.777	117	13698	5.214	ug/l #	16
51) 4-Methyl-2-Pentanone	10.179	43	1255	1.010	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	45251	38.033	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45251	76.389	ug/l #	18
95) Naphthalene	15.239	128	363	3.956	ug/l #	69

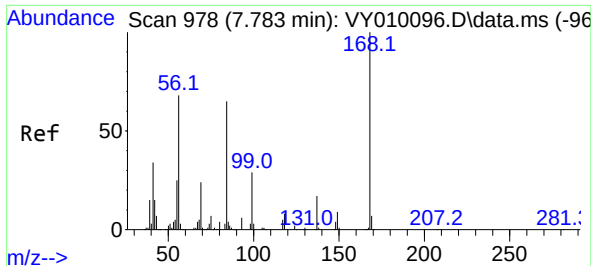
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 22 02:37:07 2022
Response via : Initial Calibration

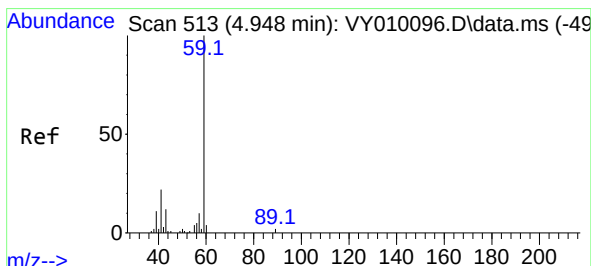
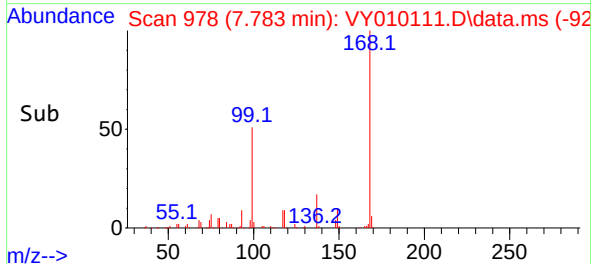
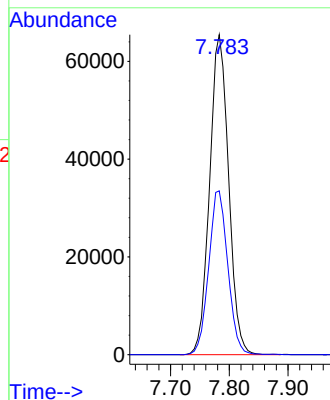
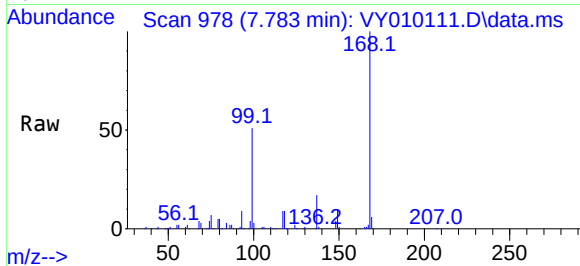




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

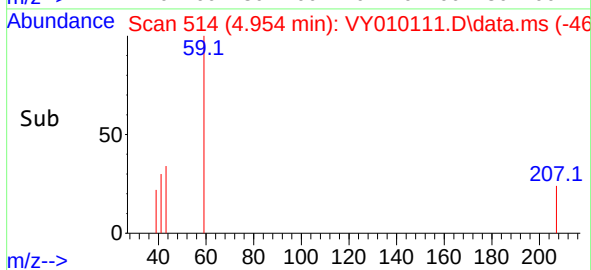
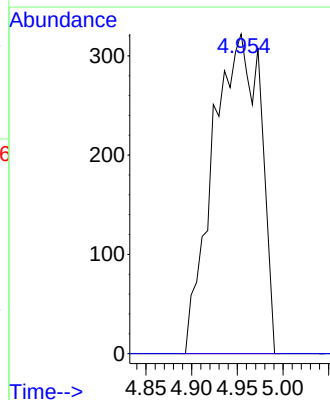
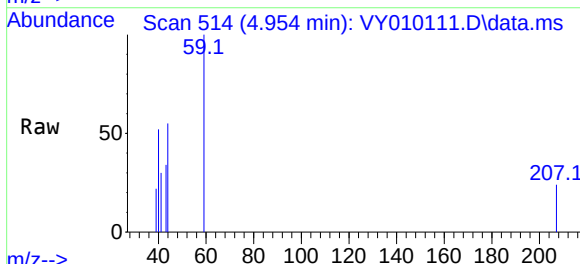
Instrument :
MSVOA_Y
ClientSampleId :
S5

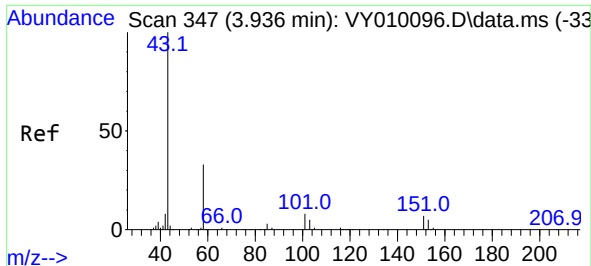
Tgt Ion:168 Resp: 146952
Ion Ratio Lower Upper
168 100
99 51.2 40.7 61.1



#11
Tert butyl alcohol
Concen: 19.423 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion: 59 Resp: 1168
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

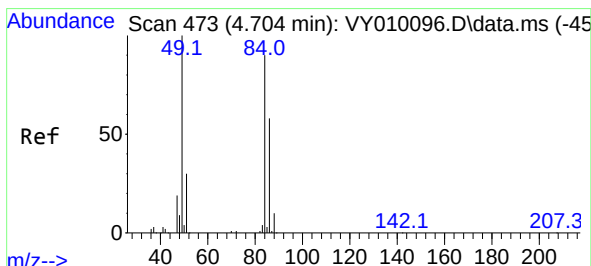
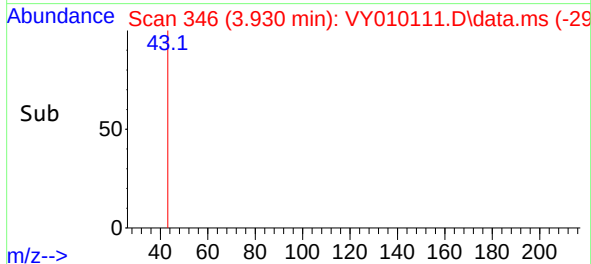
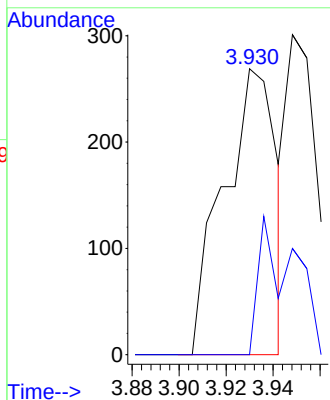
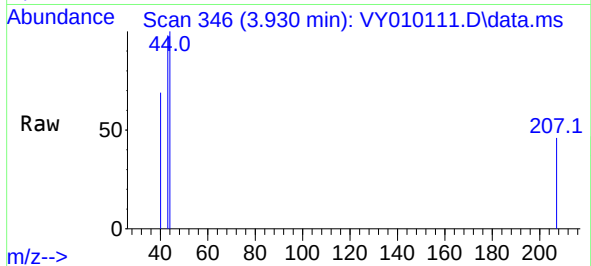




#16
Acetone
Concen: 1.391 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

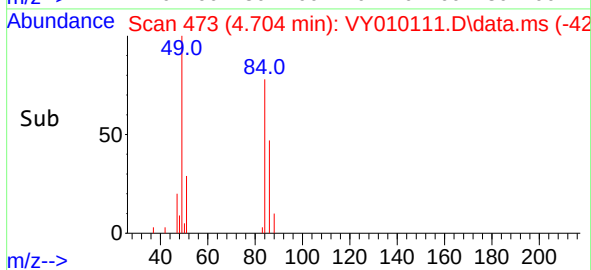
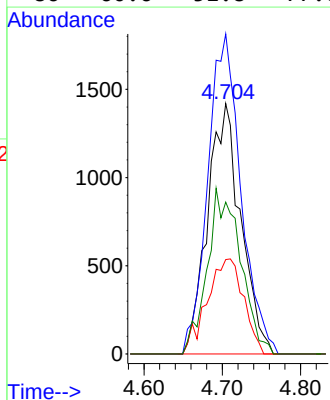
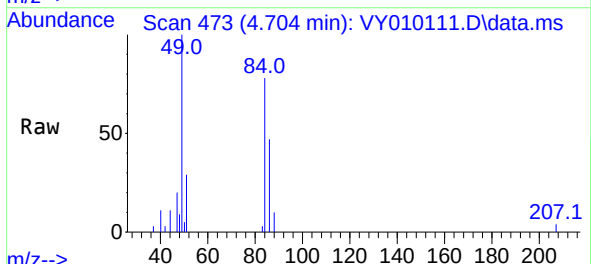
Instrument :
MSVOA_Y
ClientSampleId :
S5

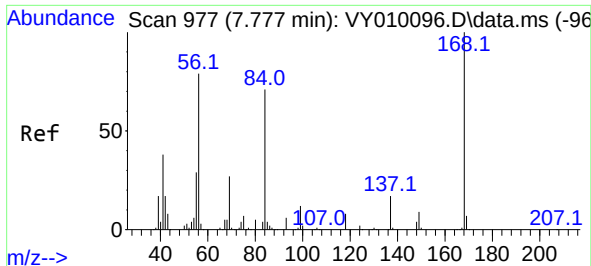
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion: 84 Resp: 4188
Ion Ratio Lower Upper
84 100
49 127.7 89.0 133.4
51 37.7 27.0 40.6
86 60.6 51.8 77.6

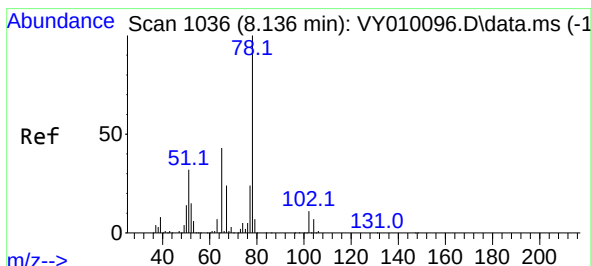
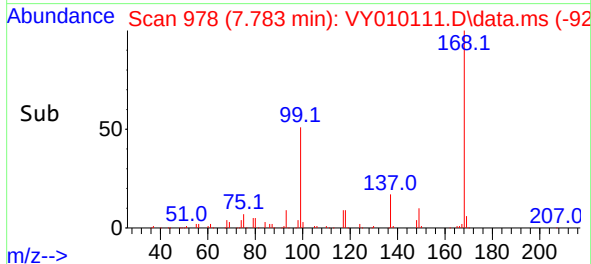
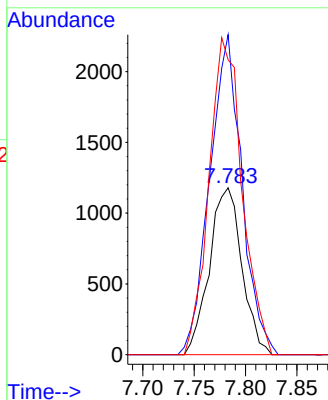
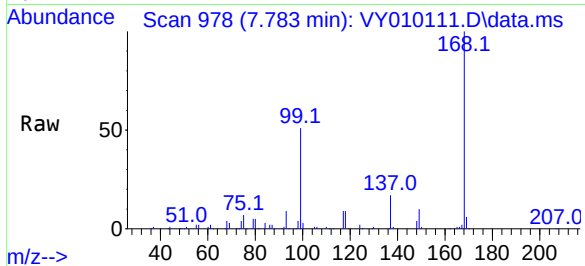




#31
Cyclohexane
Concen: 1.053 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

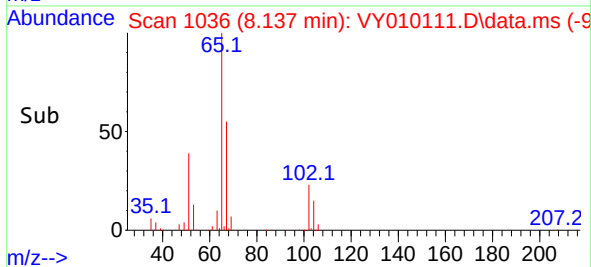
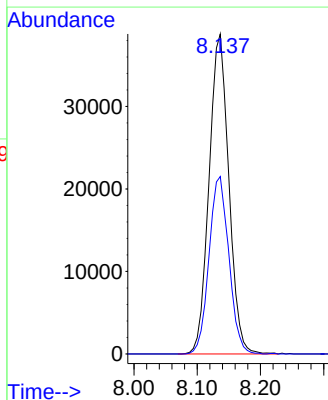
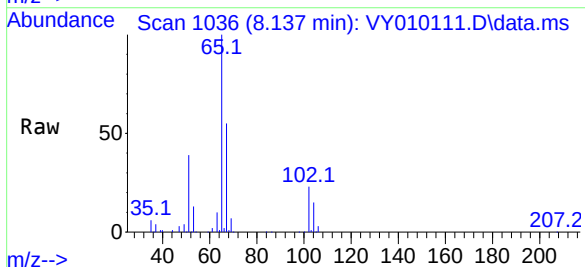
Instrument :
MSVOA_Y
ClientSampleId :
S5

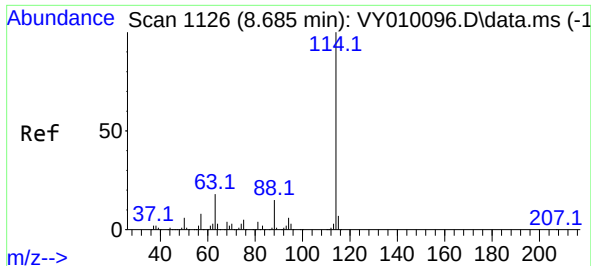
Tgt Ion: 56 Resp: 2596
Ion Ratio Lower Upper
56 100
69 191.8 27.3 40.9#
84 176.7 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 69.846 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion: 65 Resp: 84072
Ion Ratio Lower Upper
65 100
67 55.7 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: VY010111.D

Acq: 19 Aug 2022 18:15

Instrument :

MSVOA_Y

ClientSampleId :

S5

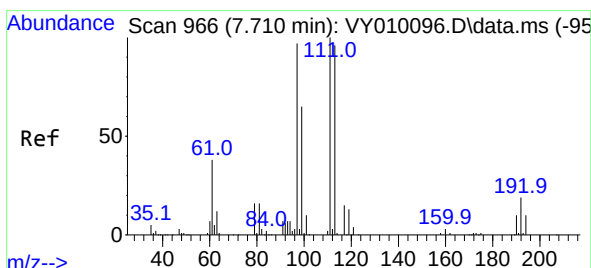
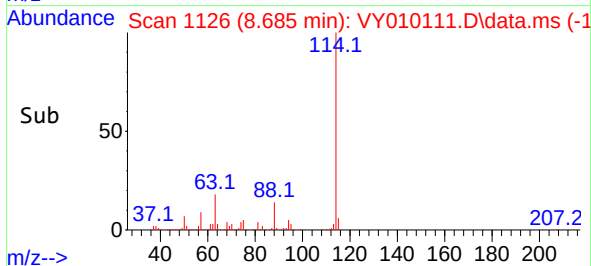
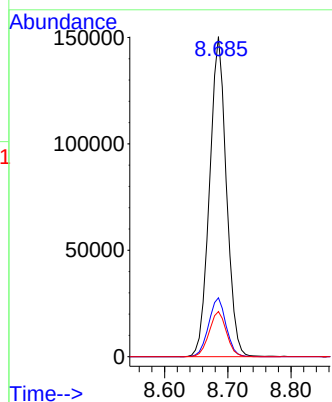
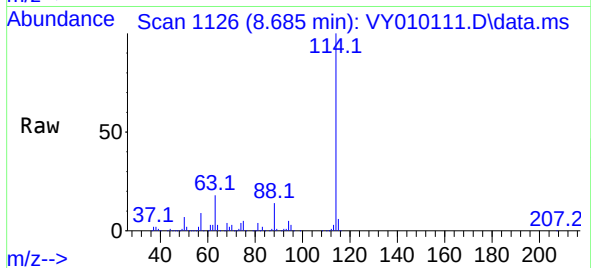
Tgt Ion:114 Resp: 278510

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 51.252 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010111.D

Acq: 19 Aug 2022 18:15

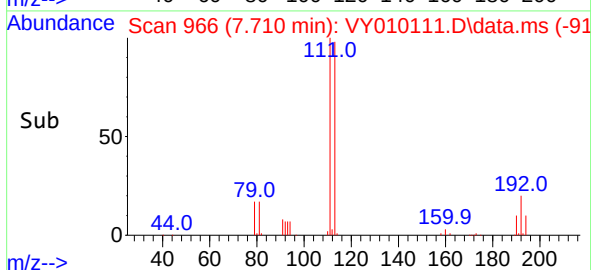
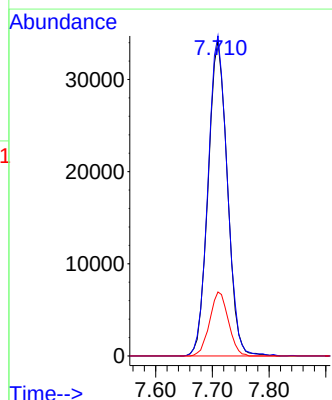
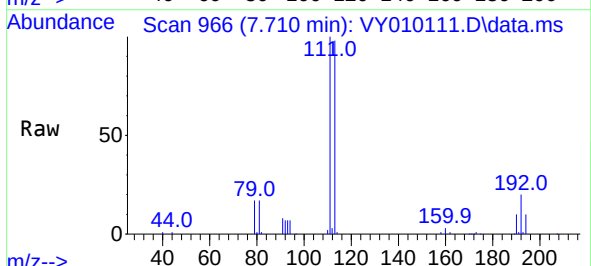
Tgt Ion:113 Resp: 80432

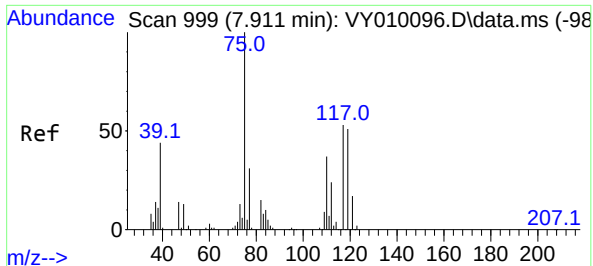
Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 19.8 16.3 24.5





#36

1,1-Dichloropropene

Concen: 4.150 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010111.D

Acq: 19 Aug 2022 18:15

Instrument :

MSVOA_Y

ClientSampleId :

S5

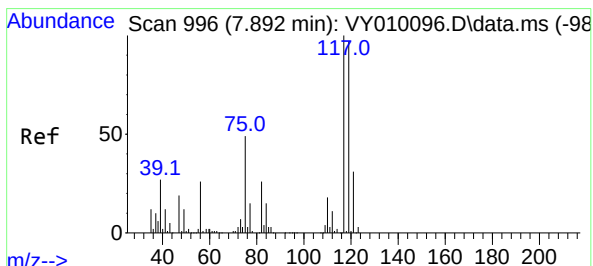
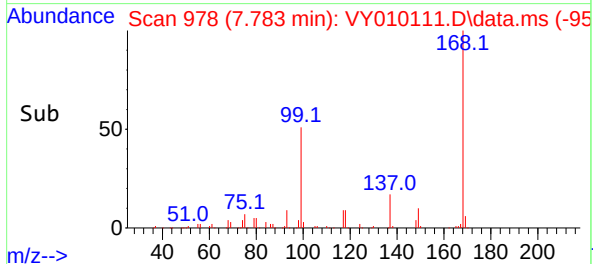
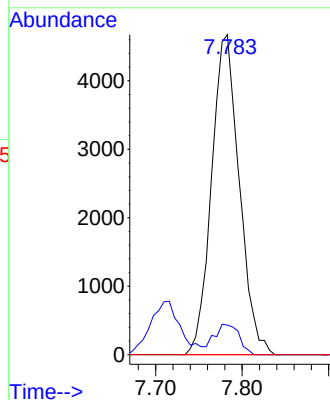
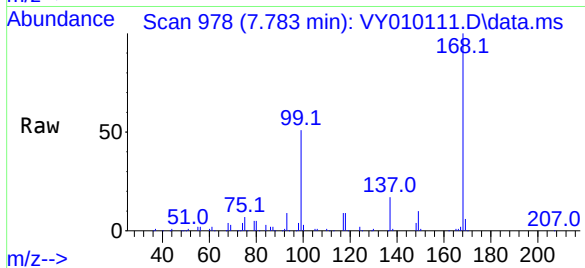
Tgt Ion: 75 Resp: 10396

Ion Ratio Lower Upper

75 100

110 8.3 18.6 56.0#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.214 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.115 min

Lab File: VY010111.D

Acq: 19 Aug 2022 18:15

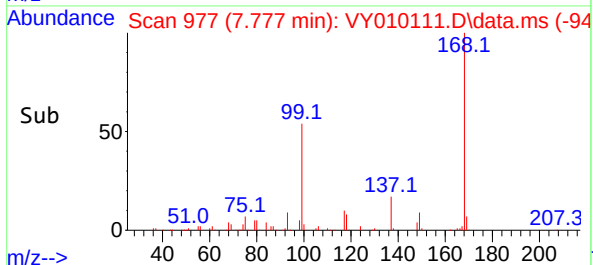
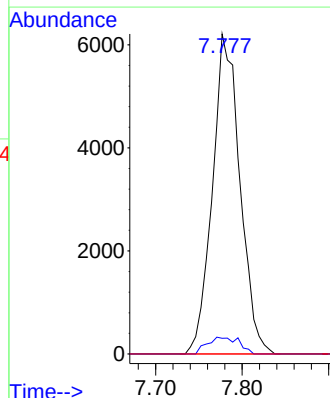
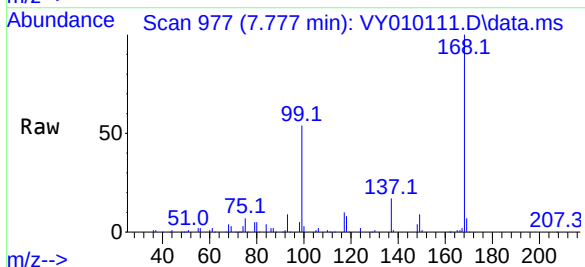
Tgt Ion: 117 Resp: 13698

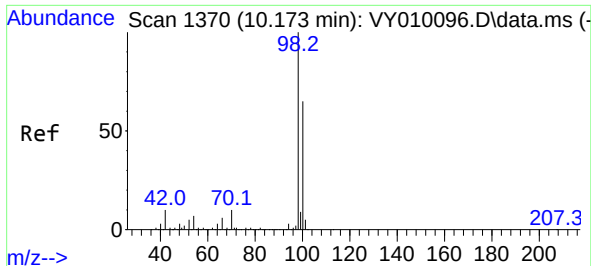
Ion Ratio Lower Upper

117 100

119 4.9 77.1 115.7#

121 0.0 24.7 37.1#

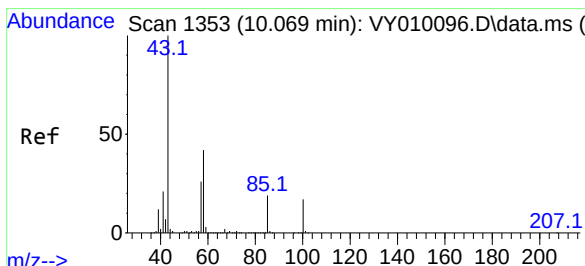
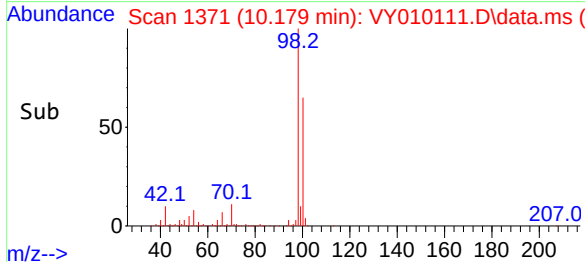
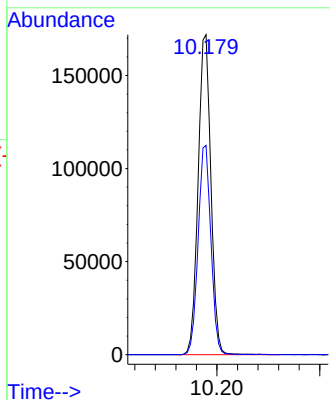
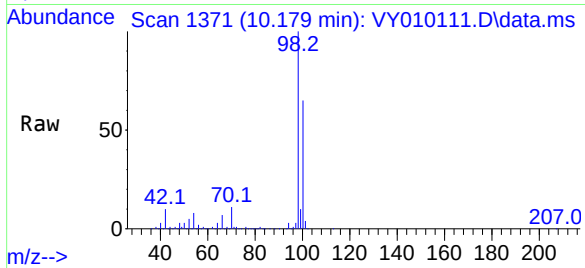




#50
Toluene-d8
Concen: 50.491 ug/l
RT: 10.179 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

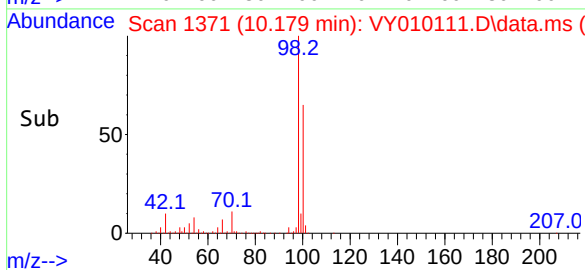
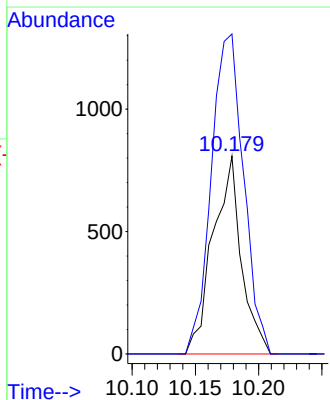
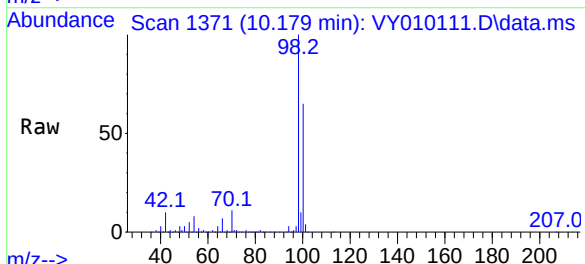
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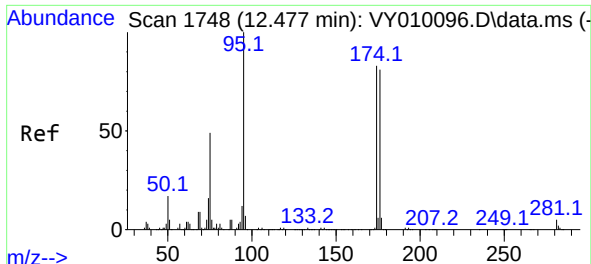
Tgt Ion: 98 Resp: 296911
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.010 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.110 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
58 185.0 33.3 49.9#

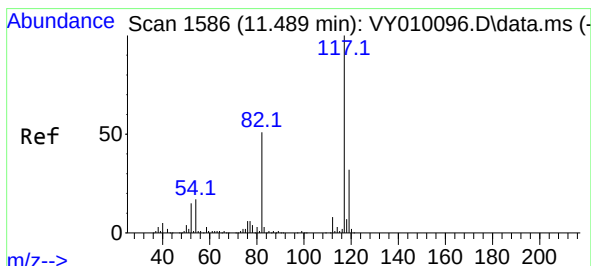
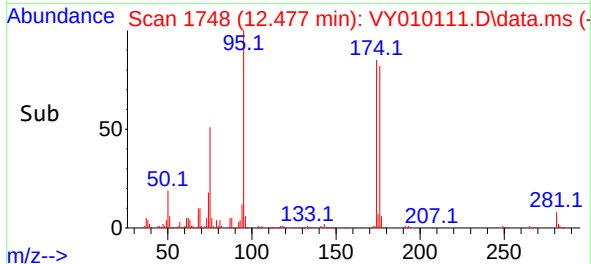
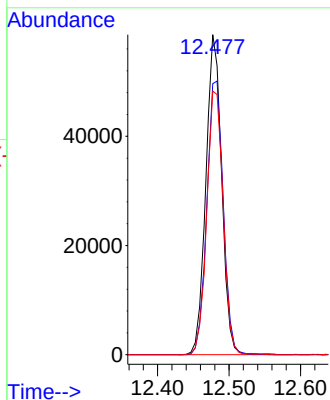
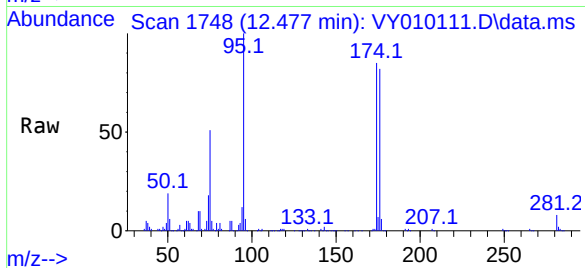




#62
4-Bromofluorobenzene
Concen: 42.682 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

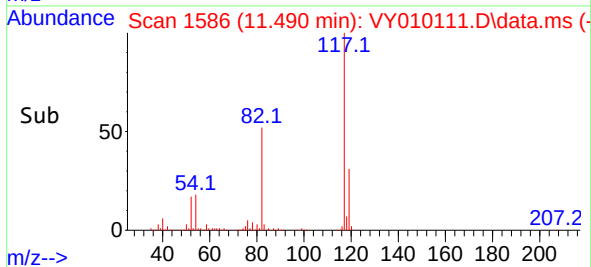
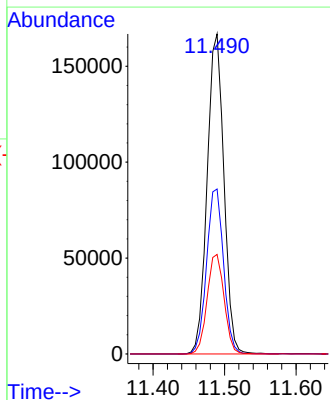
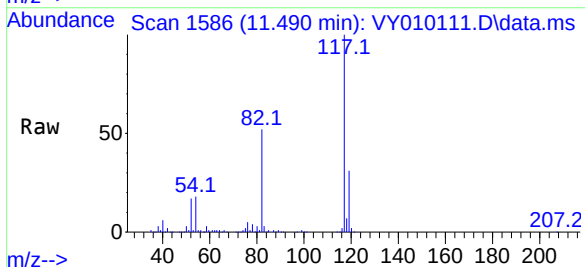
Instrument :
MSVOA_Y
ClientSampleId :
S5

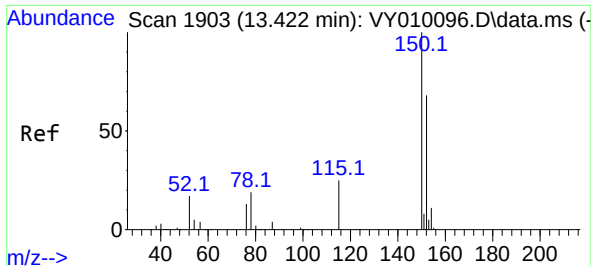
Tgt Ion: 95 Resp: 89677
Ion Ratio Lower Upper
95 100
174 89.2 0.0 173.8
176 85.5 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion: 117 Resp: 271214
Ion Ratio Lower Upper
117 100
82 51.5 40.6 61.0
119 31.1 25.8 38.8

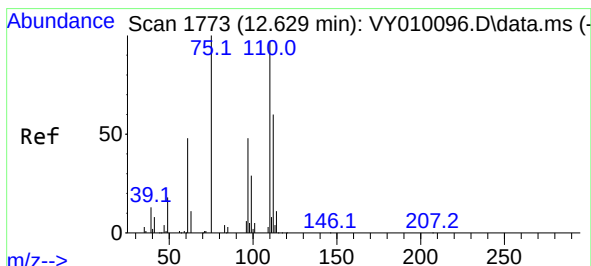
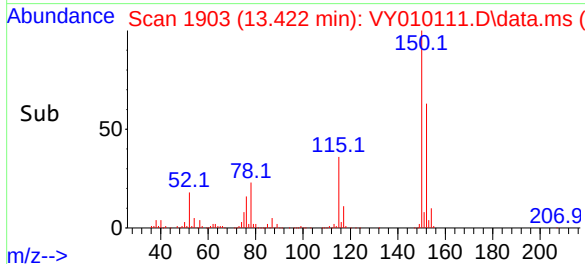
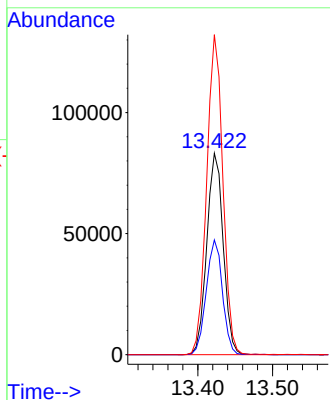
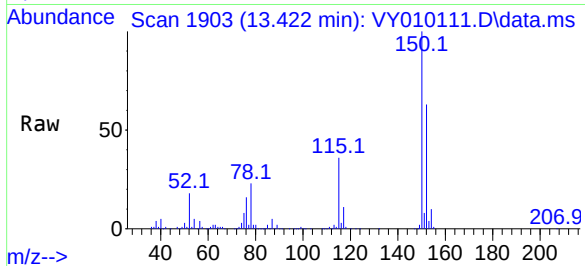




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

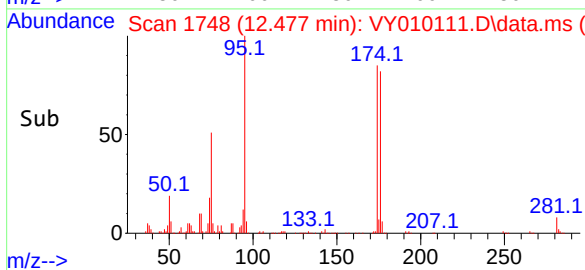
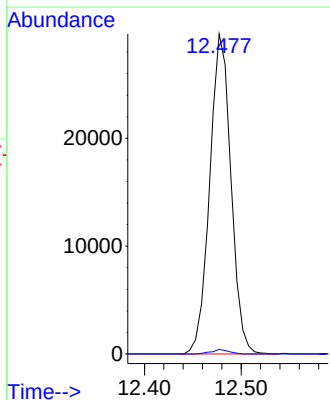
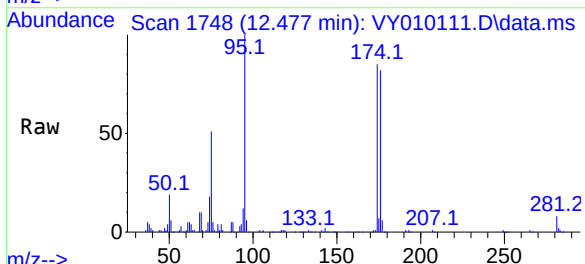
Instrument :
MSVOA_Y
ClientSampleId :
S5

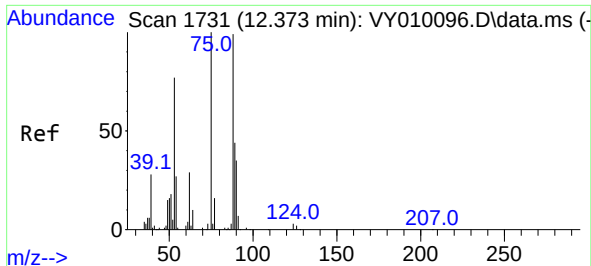
Tgt Ion:152 Resp: 127043
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.2
150 156.2 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 38.033 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion: 75 Resp: 45251
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

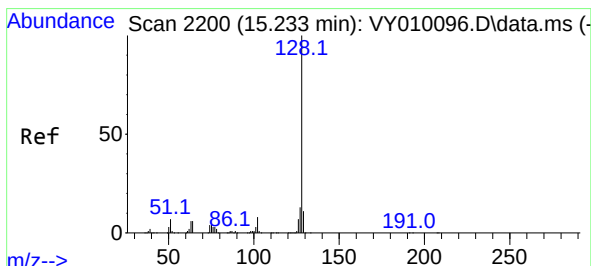
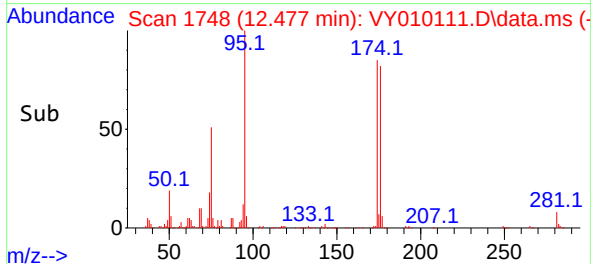
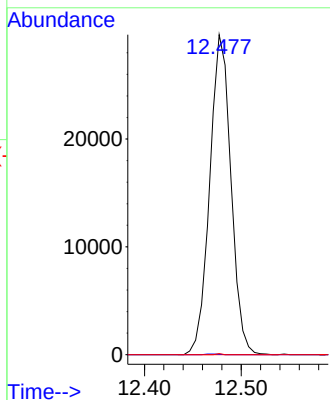
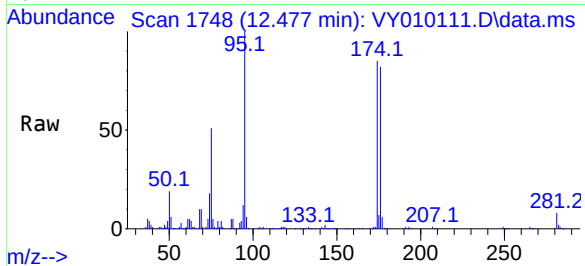




#81
trans-1,4-Dichloro-2-butene
Concen: 76.389 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Instrument :
MSVOA_Y
ClientSampleId :
S5

Tgt Ion: 75 Resp: 45251
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 36.8 55.2#



#95
Naphthalene
Concen: 3.956 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010111.D
Acq: 19 Aug 2022 18:15

Tgt Ion:128 Resp: 363
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

