

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010112.D
 Acq On : 19 Aug 2022 18:39
 Operator : KP/MD
 Sample : N4200-13
 Misc : 11.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S1

Quant Time: Aug 22 02:44:20 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)

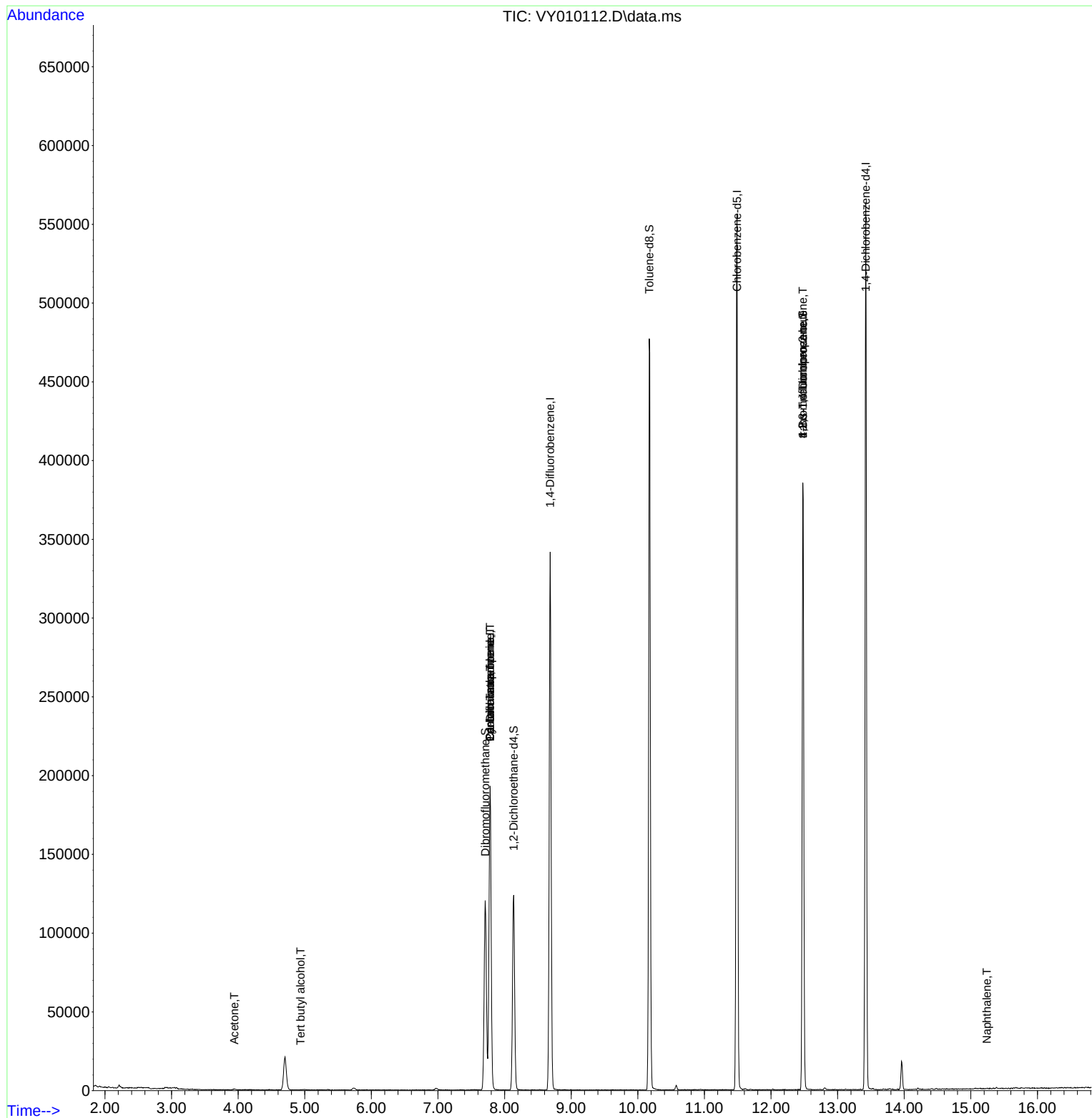
Internal Standards						
1) Pentafluorobenzene	7.783	168	152214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	295556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	313798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91868	73.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.360%	
35) Dibromofluoromethane	7.709	113	86570	51.981	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.960%	
50) Toluene-d8	10.172	98	316797	50.766	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.477	95	119285	53.499	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	215	12.048	ug/l #	73
16) Acetone	3.942	43	838	2.686	ug/l #	83
31) Cyclohexane	7.783	56	2947	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10827	4.073	ug/l #	48
38) Carbon Tetrachloride	7.783	117	14694	5.271	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	56814	41.474	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56814	83.301	ug/l #	18
95) Naphthalene	15.239	128	426	3.957	ug/l #	69

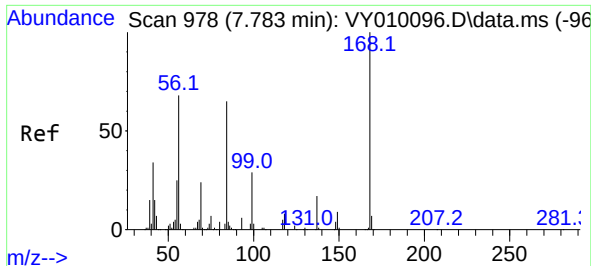
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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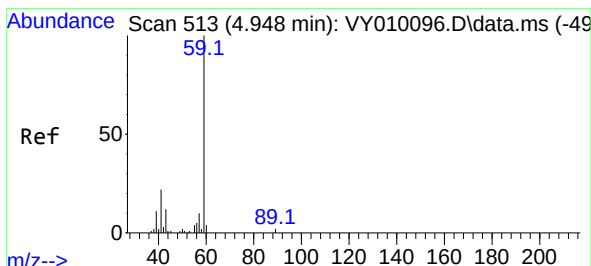
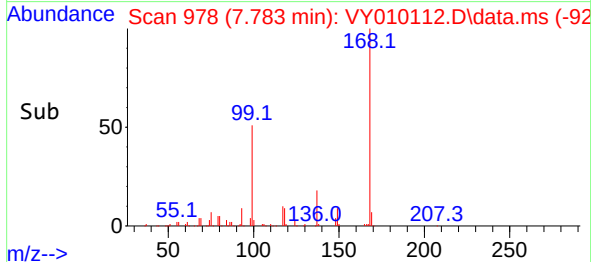
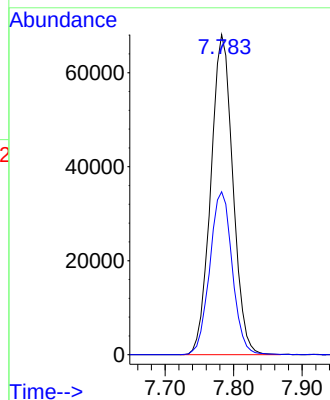
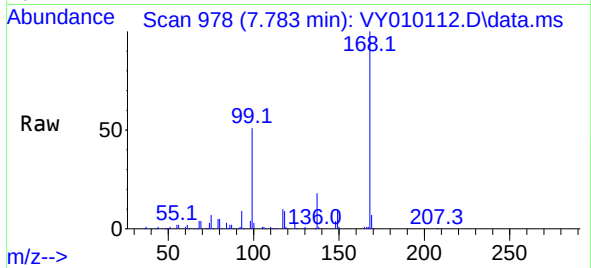




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

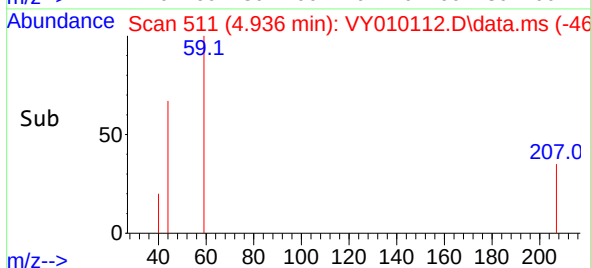
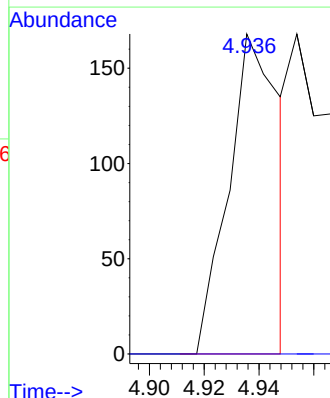
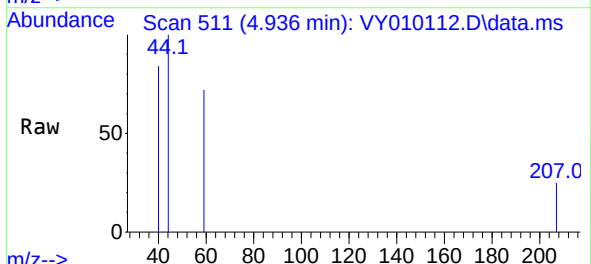
Instrument :
MSVOA_Y
ClientSampleId :
S1

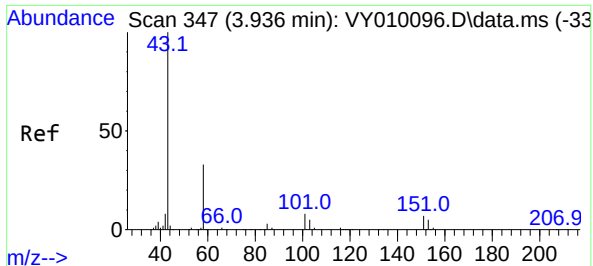
Tgt Ion:168 Resp: 152214
Ion Ratio Lower Upper
168 100
99 50.9 40.7 61.1



#11
Tert butyl alcohol
Concen: 12.048 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion: 59 Resp: 215
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

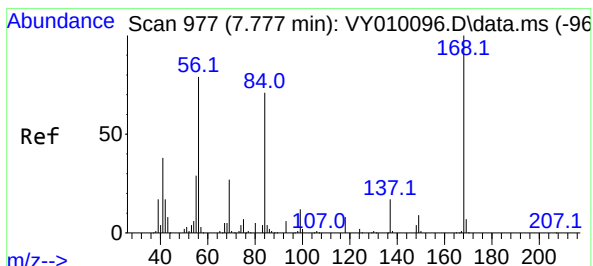
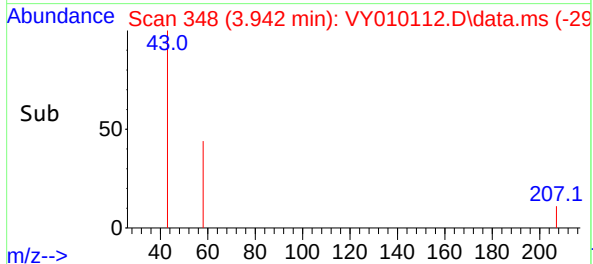
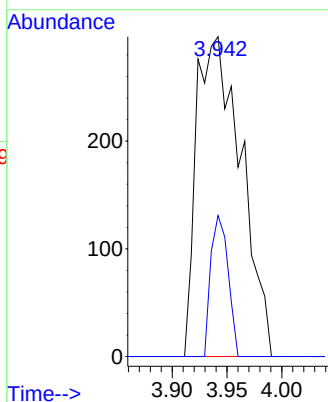
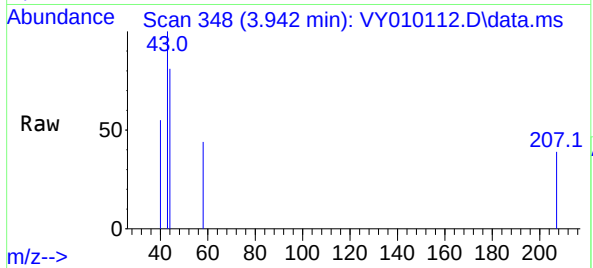




#16
Acetone
Concen: 2.686 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

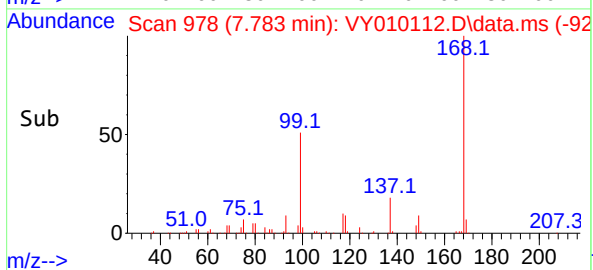
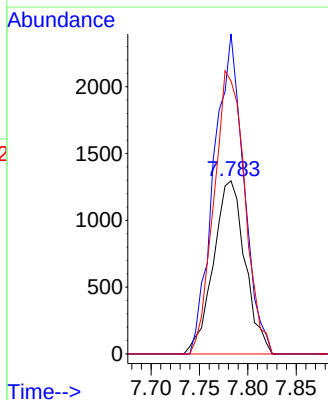
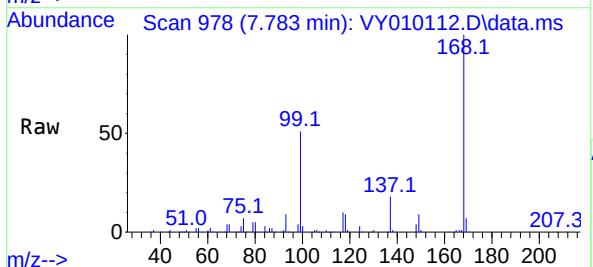
Instrument :
MSVOA_Y
ClientSampleId :
S1

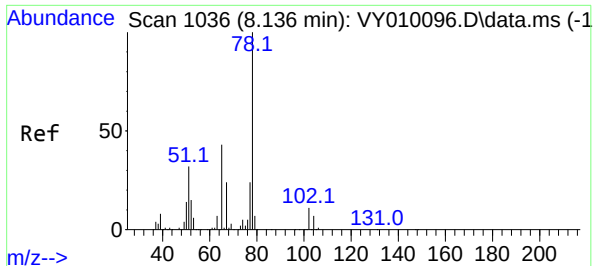
Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
58 44.1 27.4 41.0#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion: 56 Resp: 2947
Ion Ratio Lower Upper
56 100
69 184.8 27.3 40.9#
84 157.6 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 73.684 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010112.D

Acq: 19 Aug 2022 18:39

Instrument :

MSVOA_Y

ClientSampleId :

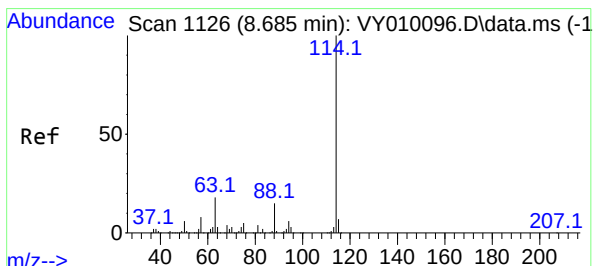
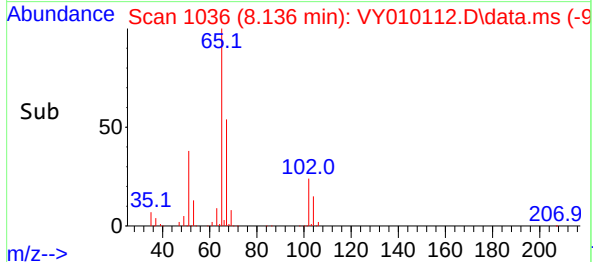
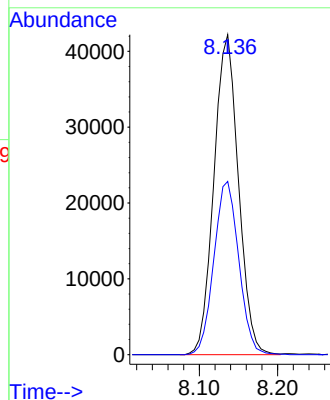
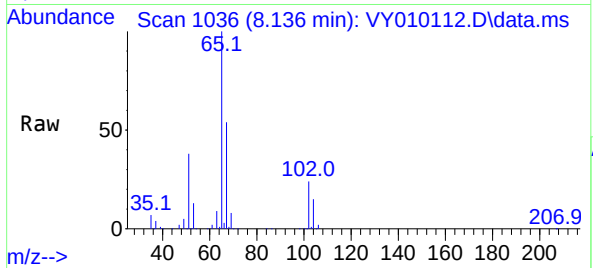
S1

Tgt Ion: 65 Resp: 91868

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: VY010112.D

Acq: 19 Aug 2022 18:39

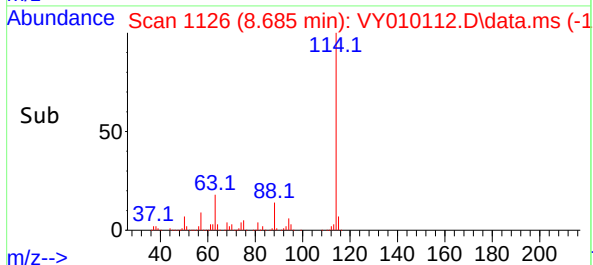
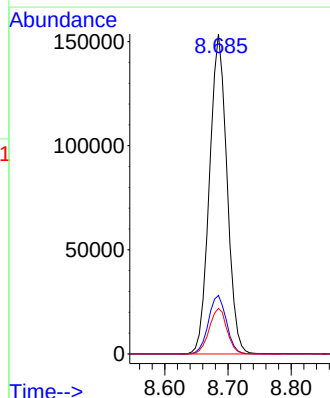
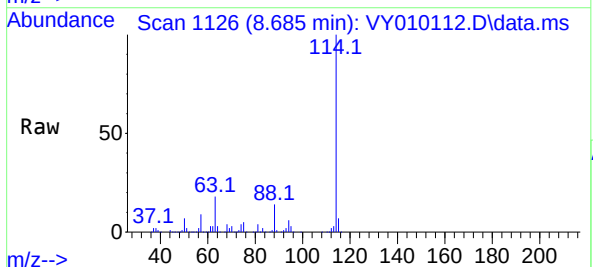
Tgt Ion: 114 Resp: 295556

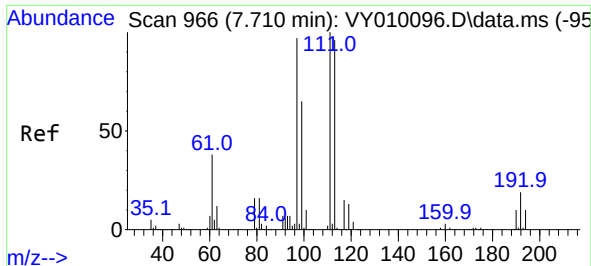
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

88 14.3 0.0 29.6

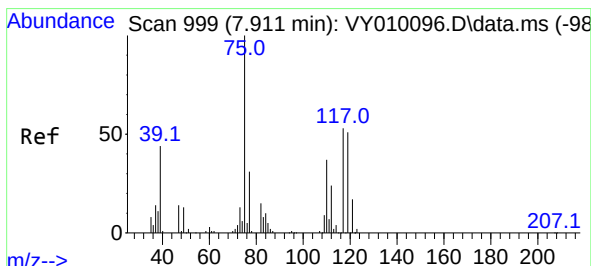
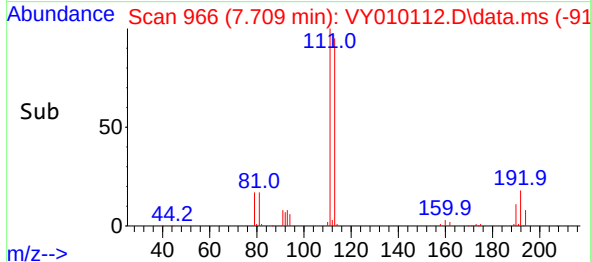
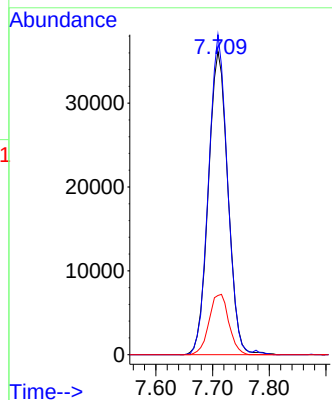
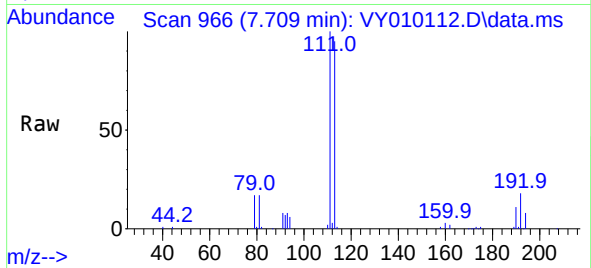




#35
Dibromofluoromethane
Concen: 51.981 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

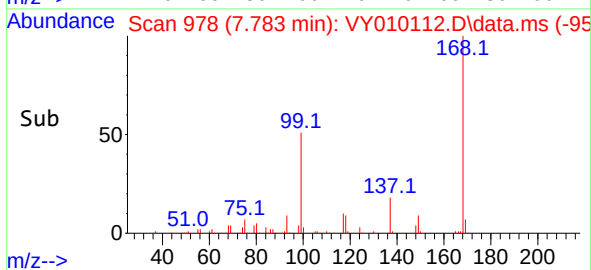
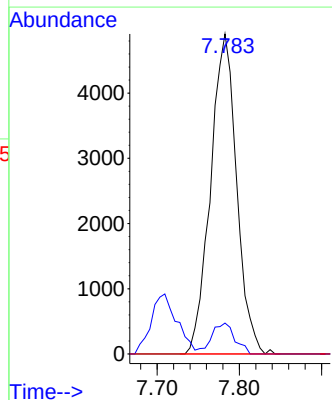
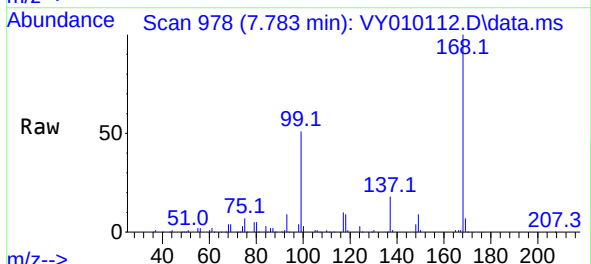
Instrument :
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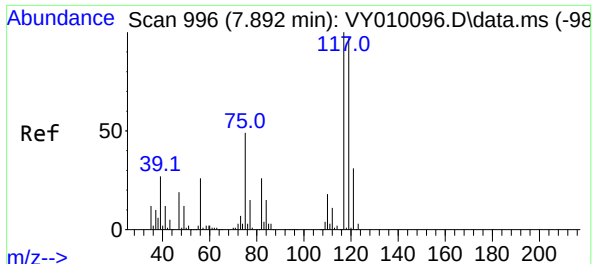
Tgt Ion:113 Resp: 86570
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 20.1 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.073 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion: 75 Resp: 10827
Ion Ratio Lower Upper
75 100
110 8.3 18.6 56.0#
77 0.0 24.9 37.3#

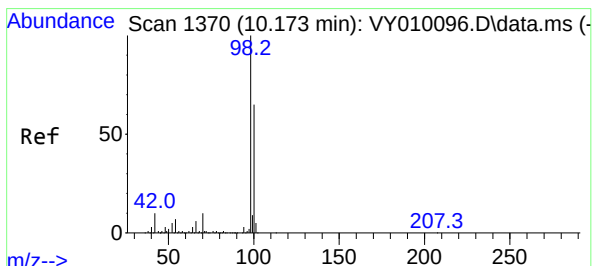
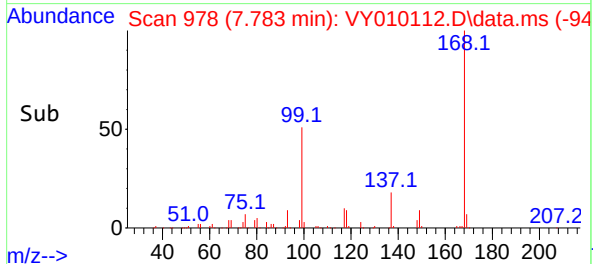
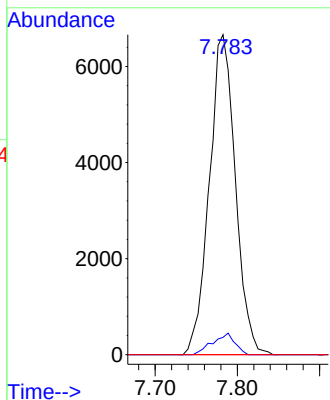
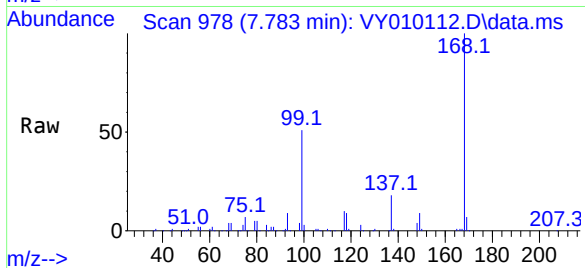




#38
Carbon Tetrachloride
Concen: 5.271 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

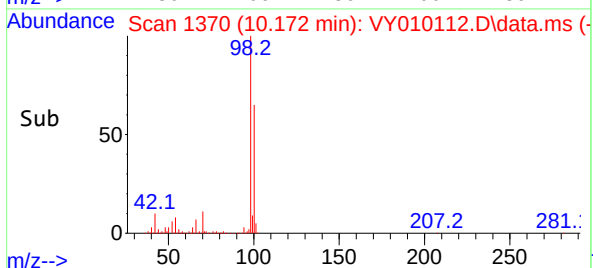
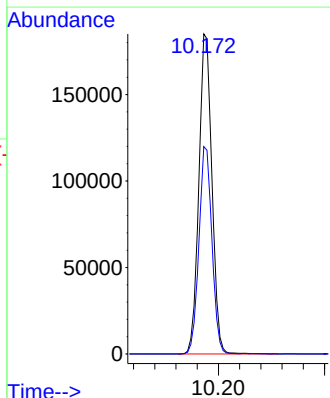
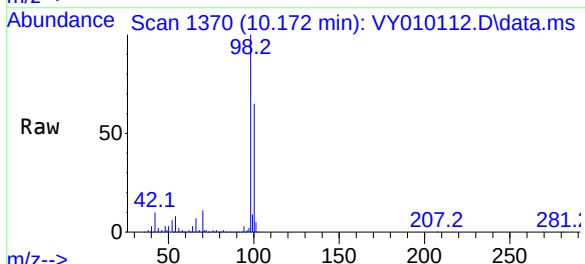
Instrument :
MSVOA_Y
ClientSampleId :
S1

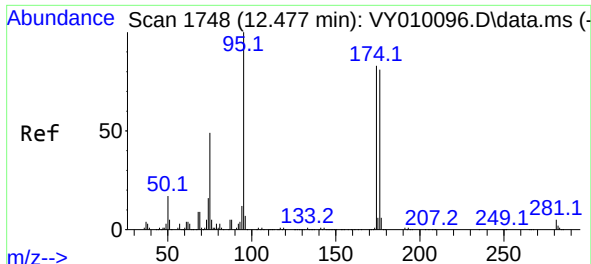
Tgt Ion:117 Resp: 14694
Ion Ratio Lower Upper
117 100
119 5.4 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.766 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.001 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion: 98 Resp: 316797
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

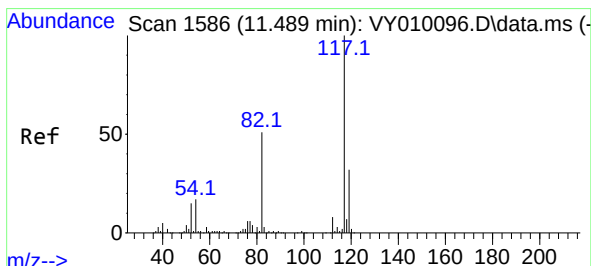
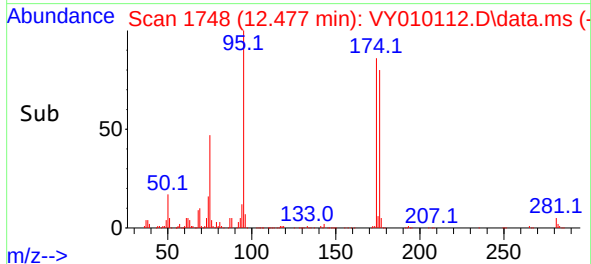
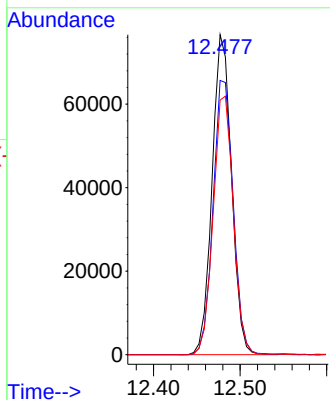
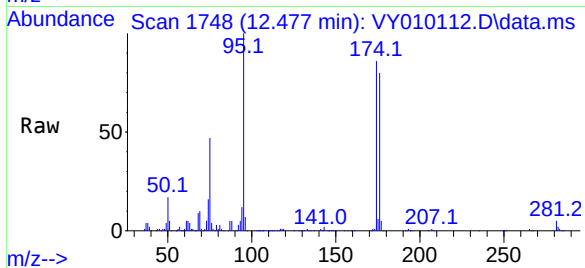




#62
4-Bromofluorobenzene
Concen: 53.499 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

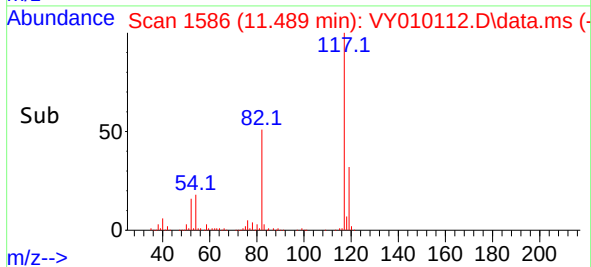
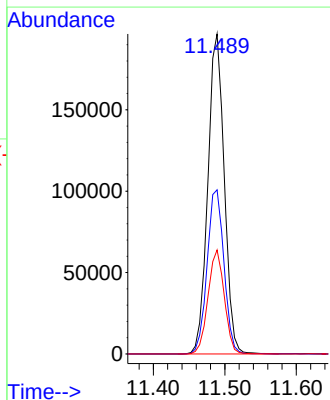
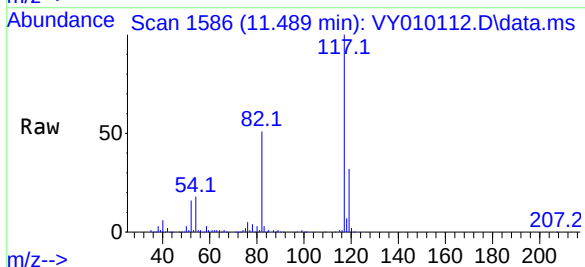
Instrument :
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ClientSampleId :
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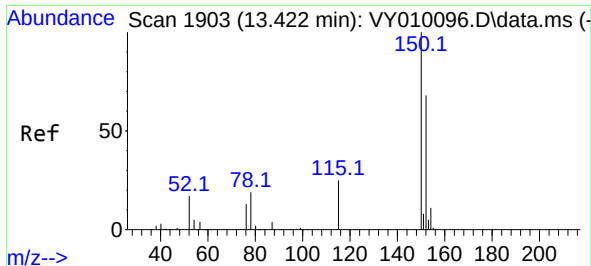
Tgt Ion: 95 Resp: 119285
Ion Ratio Lower Upper
95 100
174 88.8 0.0 173.8
176 83.9 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion: 117 Resp: 313798
Ion Ratio Lower Upper
117 100
82 51.3 40.6 61.0
119 32.5 25.8 38.8

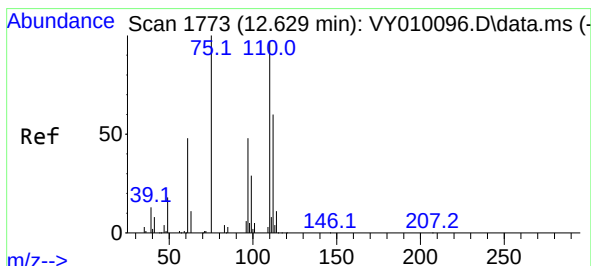
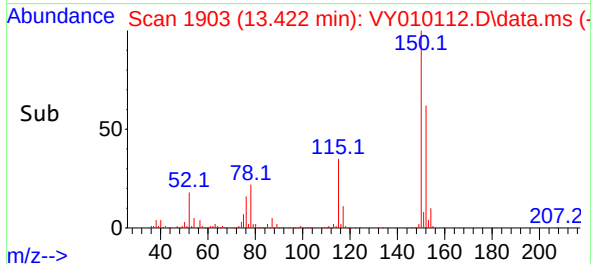
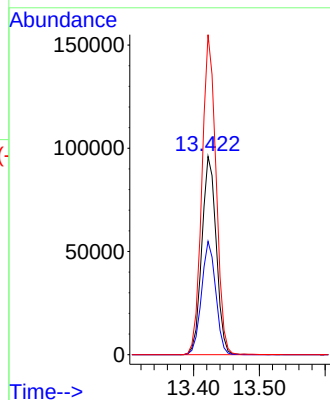
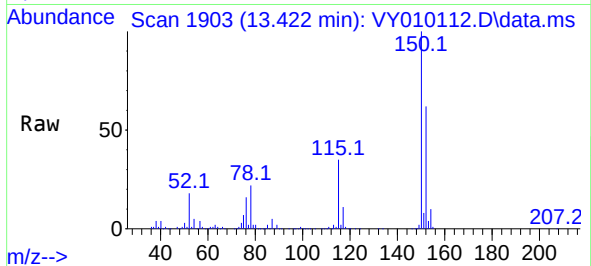




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

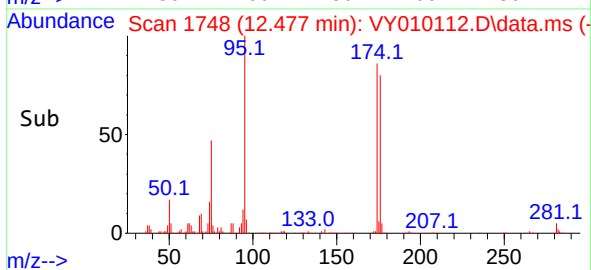
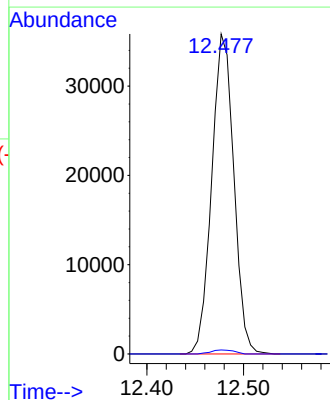
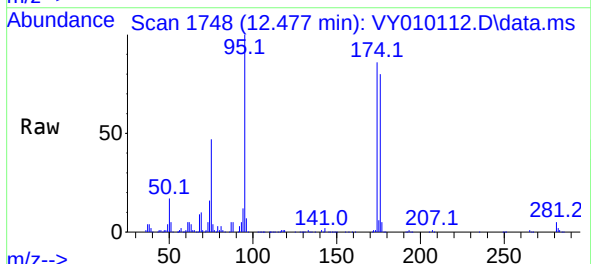
Instrument :
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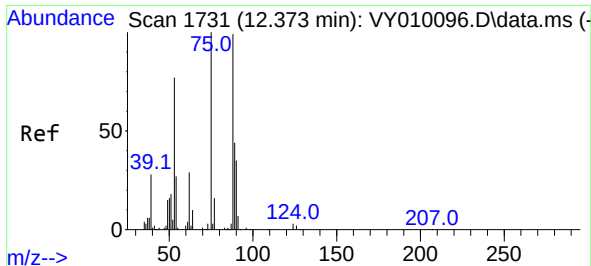
Tgt Ion:152 Resp: 146271
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.2
150 158.3 0.0 346.2



#76
1,2,3-Trichloropropane
Concen: 41.474 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion: 75 Resp: 56814
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

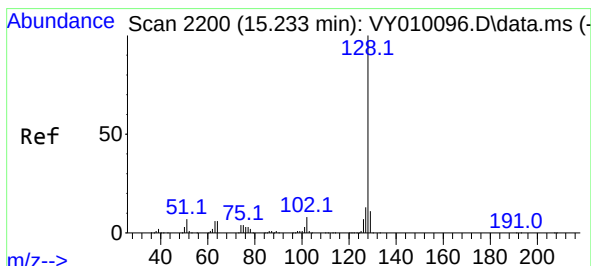
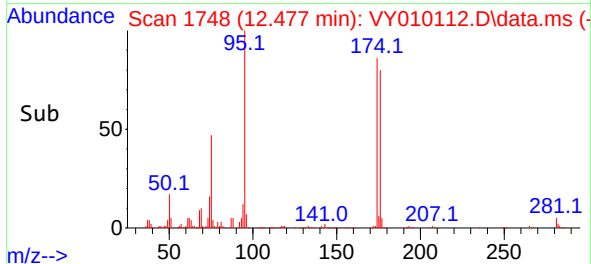
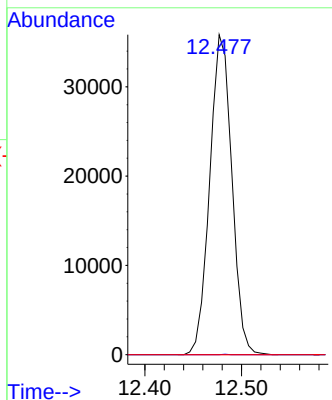
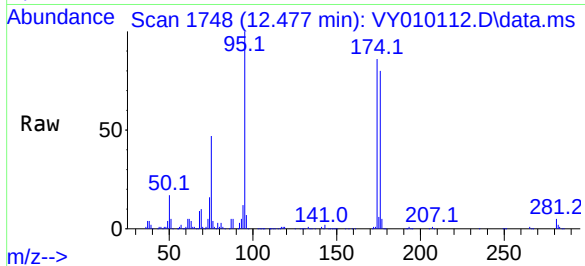




#81
trans-1,4-Dichloro-2-butene
Concen: 83.301 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Instrument :
MSVOA_Y
ClientSampleId :
S1

Tgt Ion: 75 Resp: 56814
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 3.957 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY010112.D
Acq: 19 Aug 2022 18:39

Tgt Ion:128 Resp: 426
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

