

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062922\
 Data File : VY009377.D
 Acq On : 29 Jun 2022 16:55
 Operator : KP/MD
 Sample : N3516-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-1

Quant Time: Jun 30 05:12:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

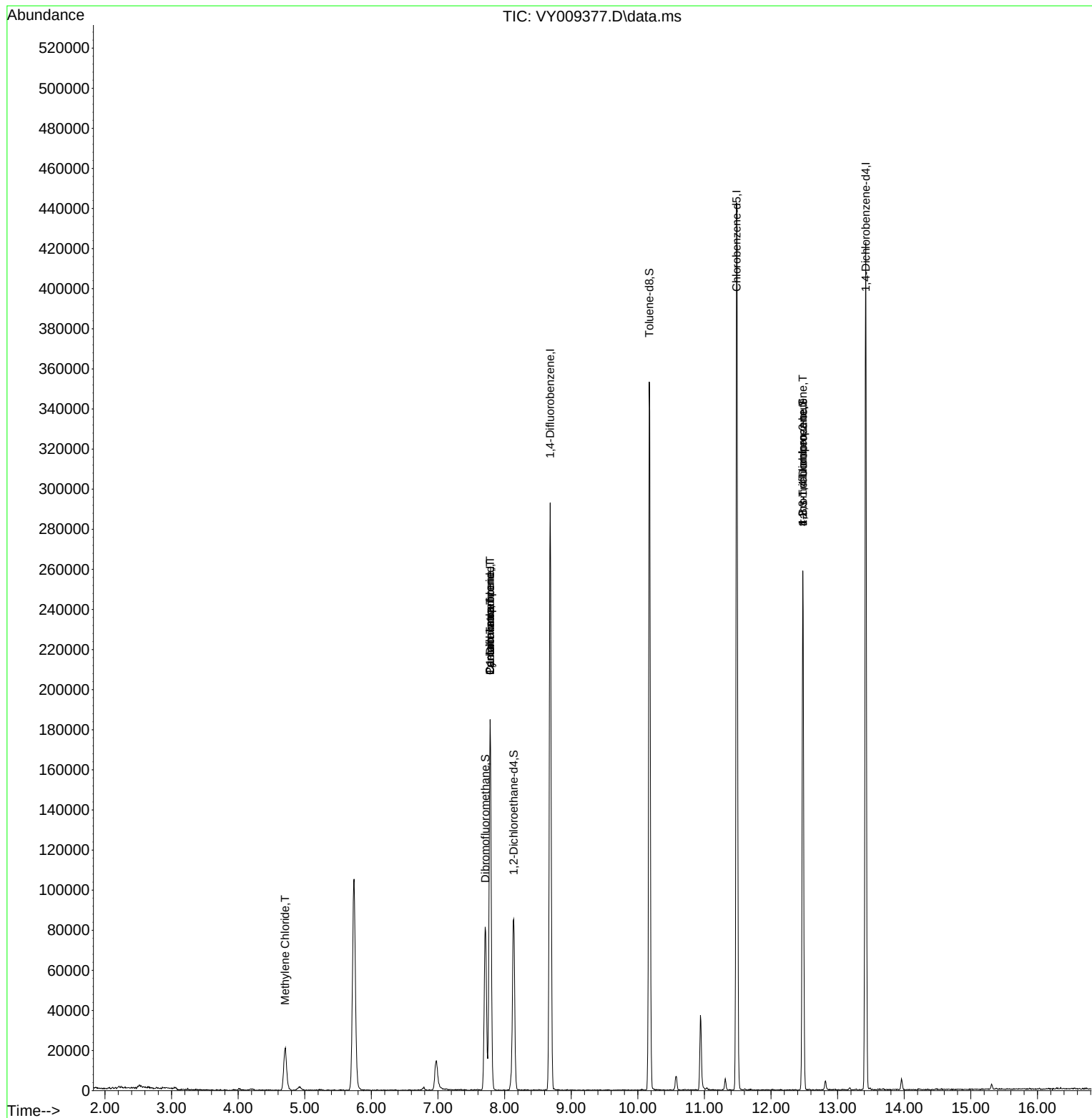
Internal Standards						
1) Pentafluorobenzene	7.783	168	141288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	246227	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	234574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	64972	57.413	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.820%	
35) Dibromofluoromethane	7.710	113	57625	42.522	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.040%	
50) Toluene-d8	10.173	98	224648	54.067	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.140%	
62) 4-Bromofluorobenzene	12.477	95	71169	36.116	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.905	59	780	Below Cal	#	77
18) Methyl Acetate	4.472	43	90	Below Cal	#	56
20) Methylene Chloride	4.704	84	14960	1.869	ug/l #	88
31) Cyclohexane	7.783	56	3199	1.257	ug/l #	16
36) 1,1-Dichloropropene	7.783	75	11286	4.763	ug/l #	51
38) Carbon Tetrachloride	7.783	117	13302	5.371	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	38004	31.001	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	38004	69.024	ug/l #	7

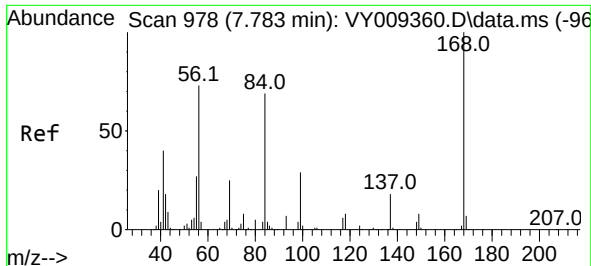
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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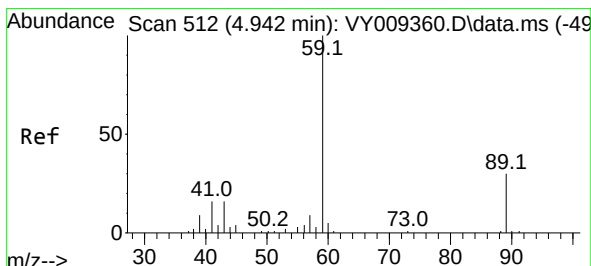
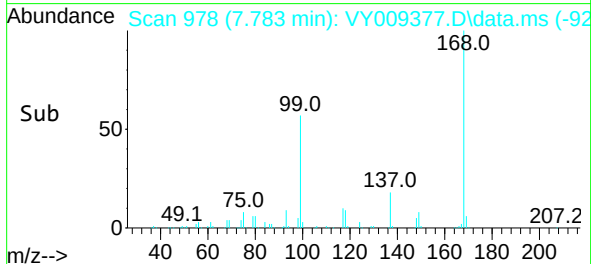
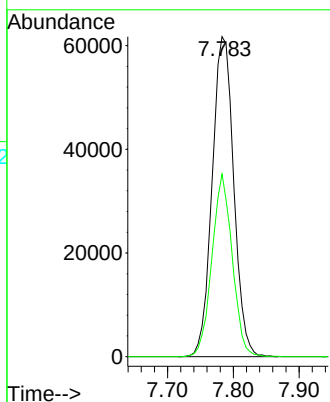
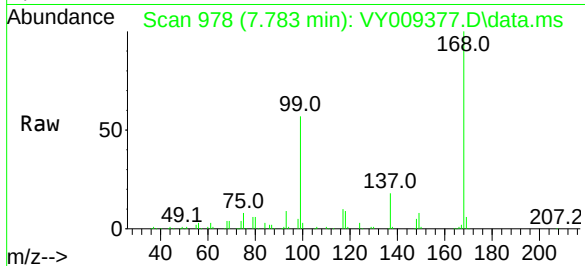




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

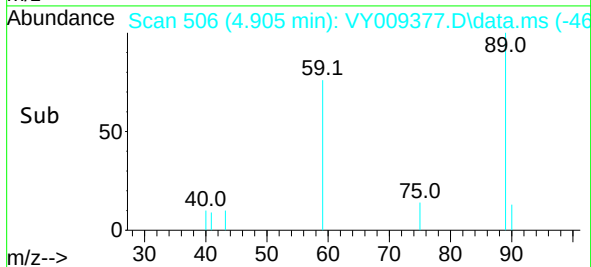
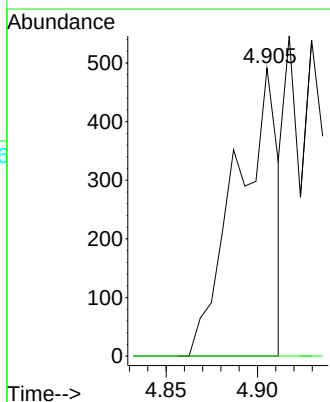
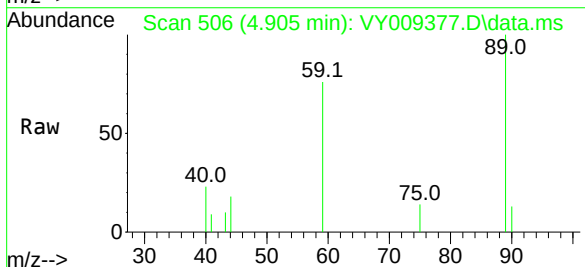
Instrument :
MSVOA_Y
ClientSampleId :
R-1

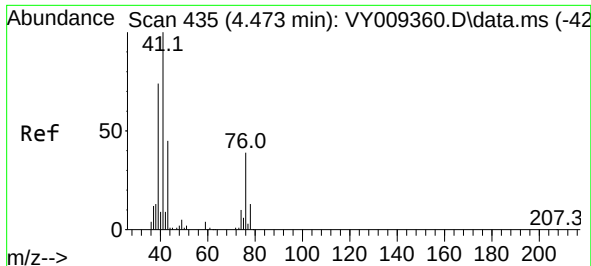
Tgt Ion:168 Resp: 141288
Ion Ratio Lower Upper
168 100
99 57.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.905 min Scan# 506
Delta R.T. -0.037 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion: 59 Resp: 780
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

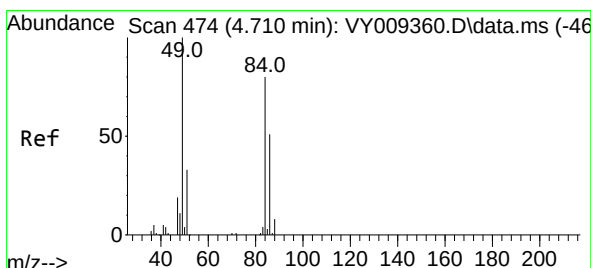
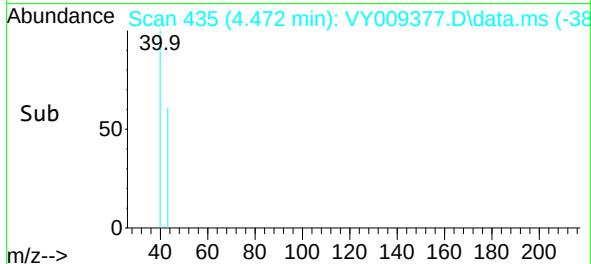
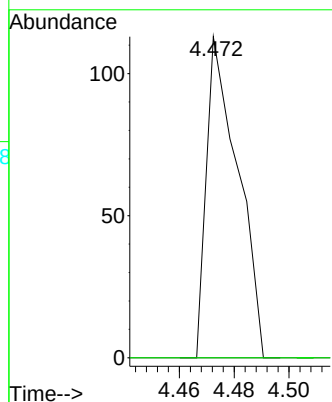
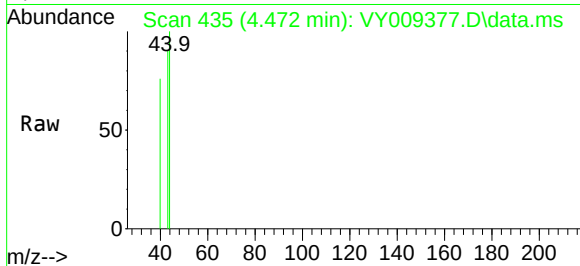




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

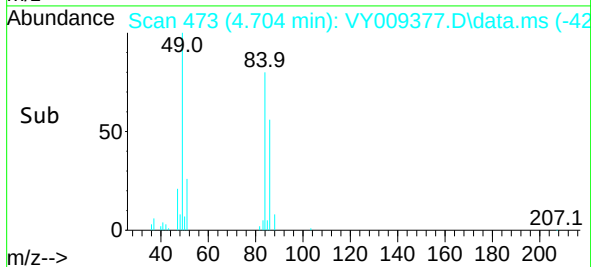
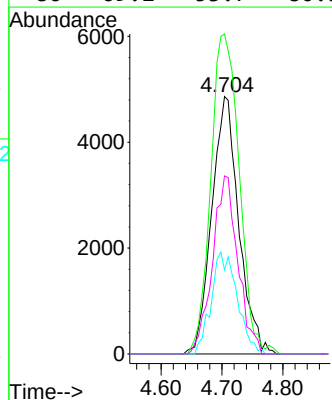
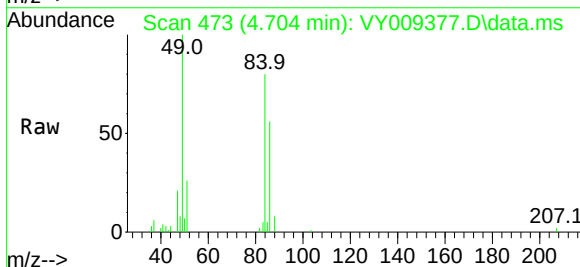
Instrument :
MSVOA_Y
ClientSampleId :
R-1

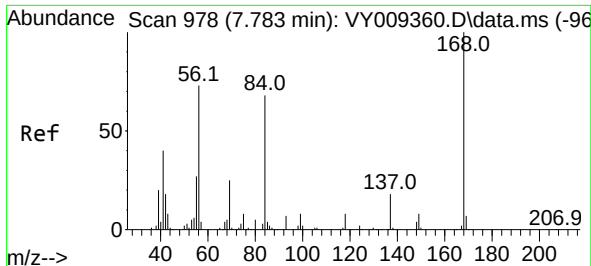
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.869 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion: 84 Resp: 14960
Ion Ratio Lower Upper
84 100
49 124.3 114.4 171.6
51 32.6 35.3 52.9#
86 69.2 53.7 80.5

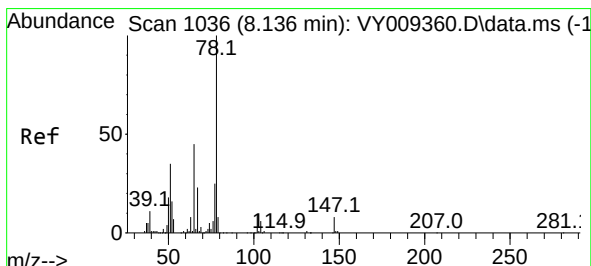
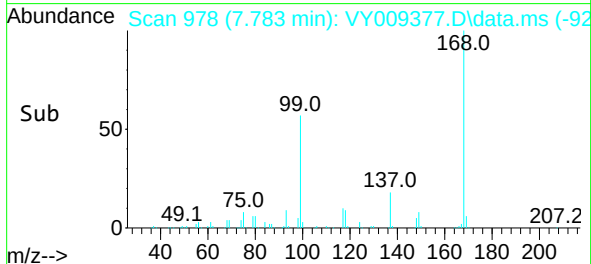
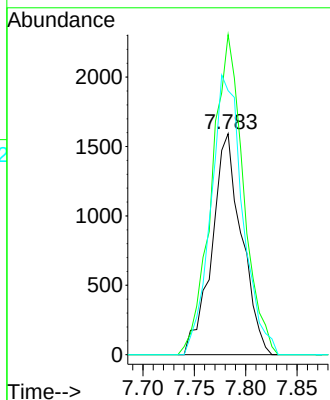
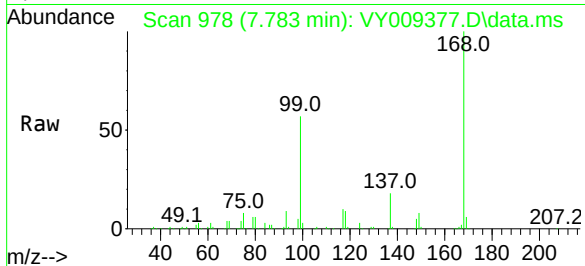




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

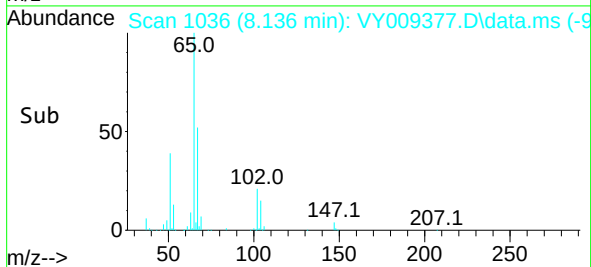
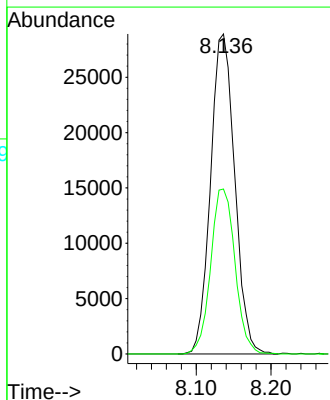
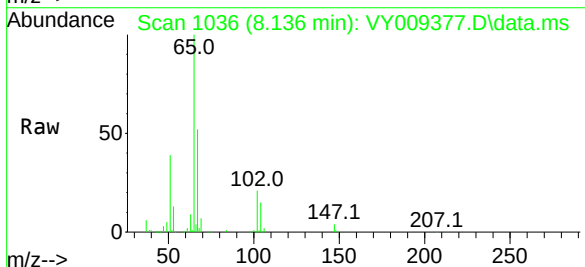
Instrument :
MSVOA_Y
ClientSampleId :
R-1

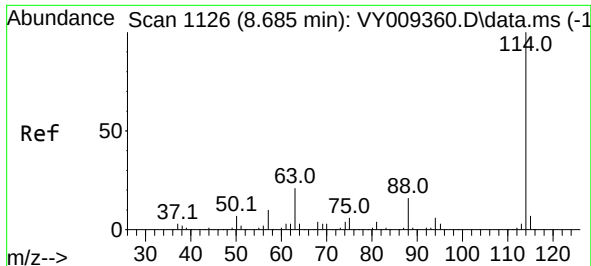
Tgt Ion: 56 Resp: 3199
Ion Ratio Lower Upper
56 100
69 144.8 26.7 40.1#
84 119.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.413 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion: 65 Resp: 64972
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4

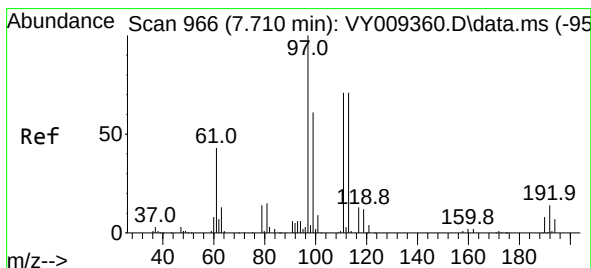
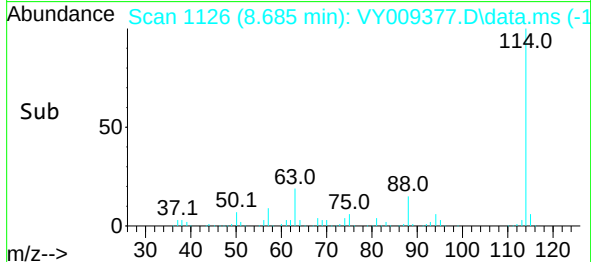
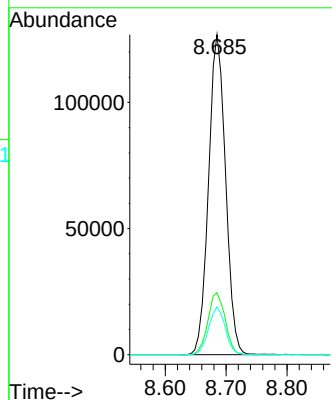
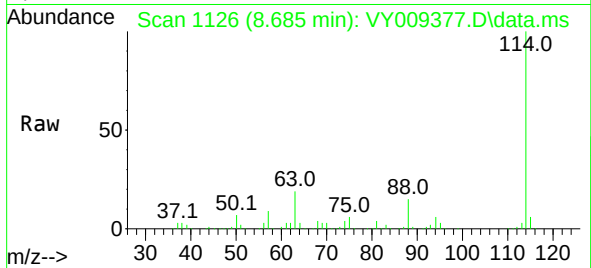




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

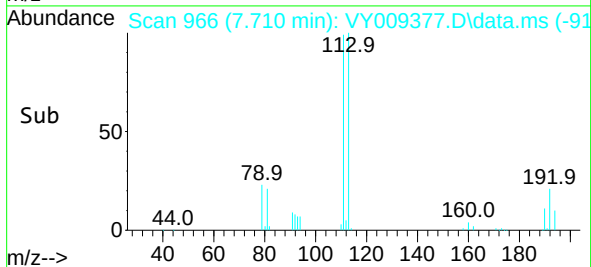
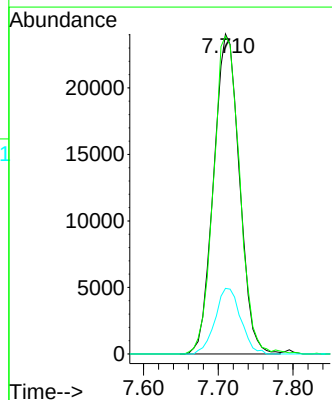
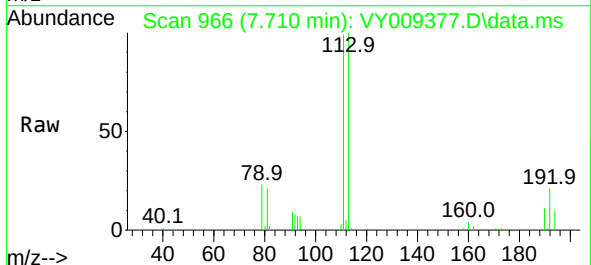
Instrument :
MSVOA_Y
ClientSampleId :
R-1

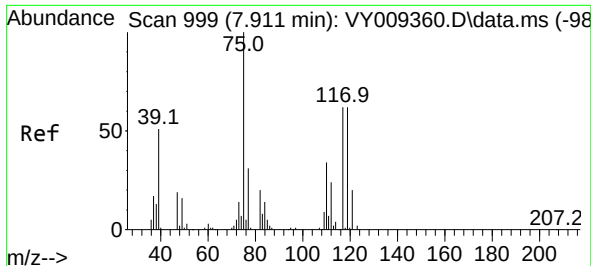
Tgt Ion:114 Resp: 246227
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.2
88 14.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 42.522 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion:113 Resp: 57625
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 20.3 17.6 26.4

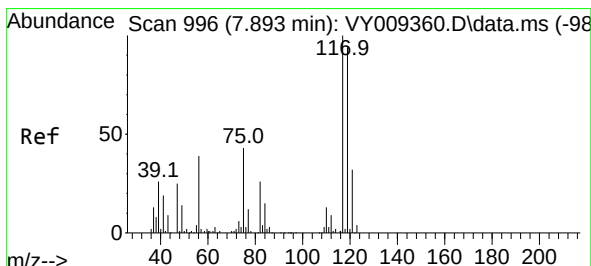
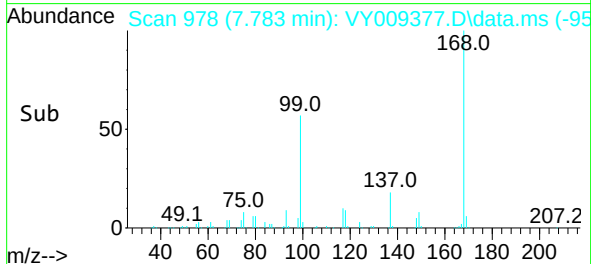
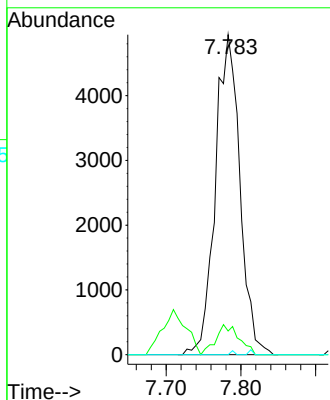
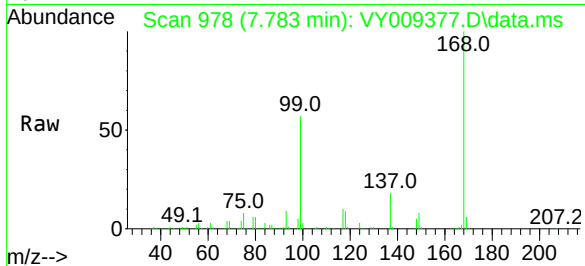




#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

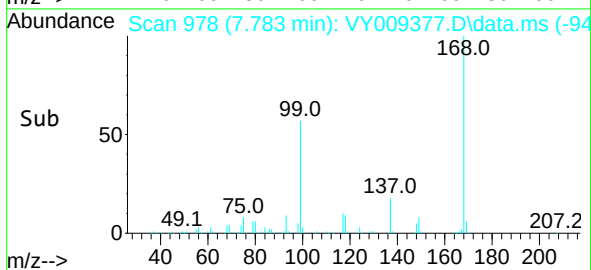
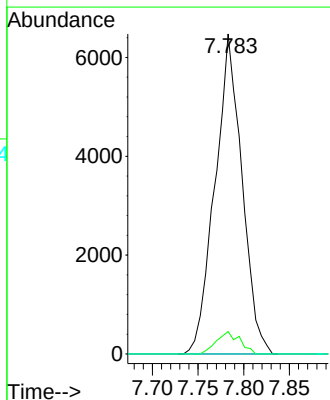
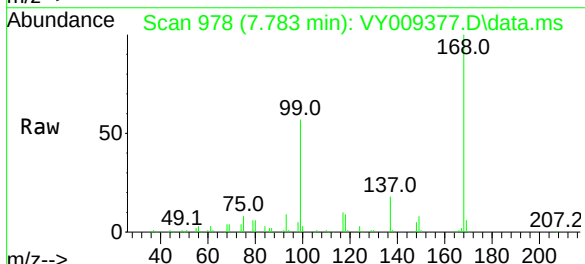
Instrument :
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ClientSampleId :
R-1

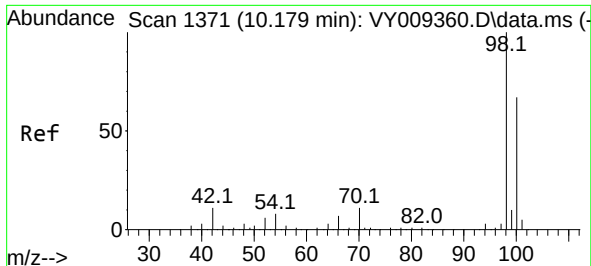
Tgt Ion: 75 Resp: 11286
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.371 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion: 117 Resp: 13302
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#

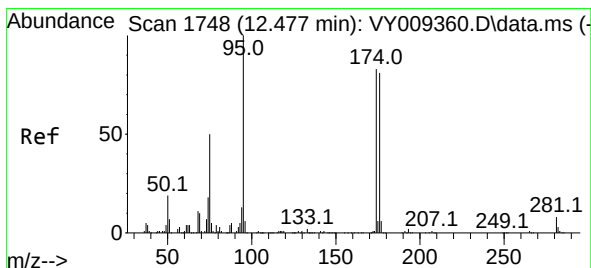
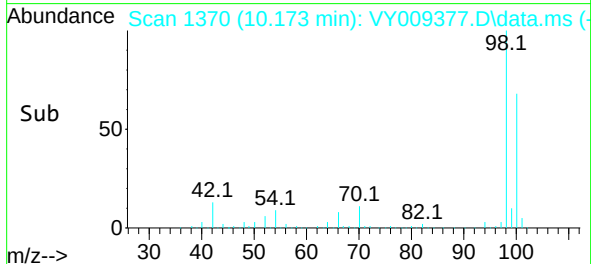
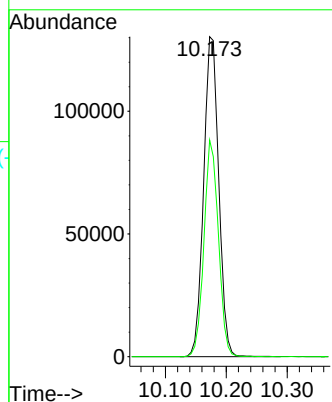
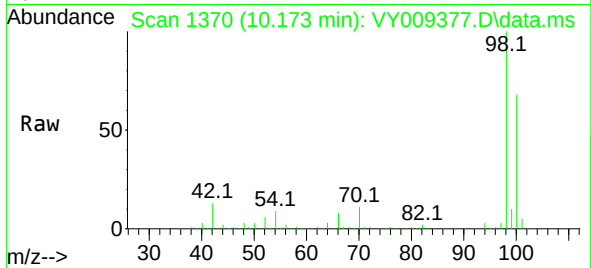




#50
Toluene-d8
Concen: 54.067 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

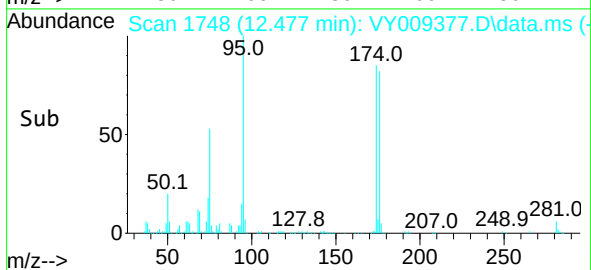
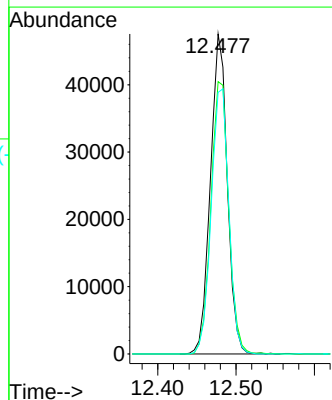
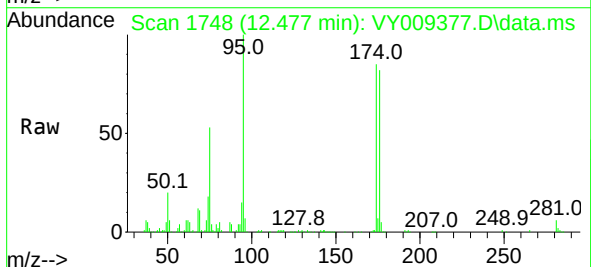
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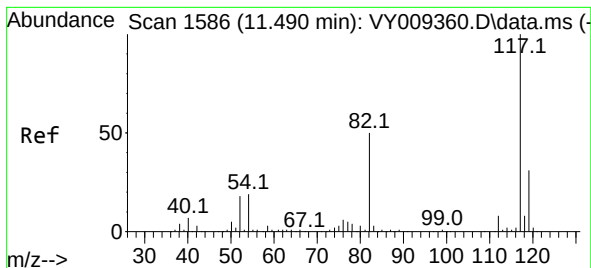
Tgt Ion: 98 Resp: 224648
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.116 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion: 95 Resp: 71169
Ion Ratio Lower Upper
95 100
174 89.4 0.0 177.0
176 86.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY009377.D

Acq: 29 Jun 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

R-1

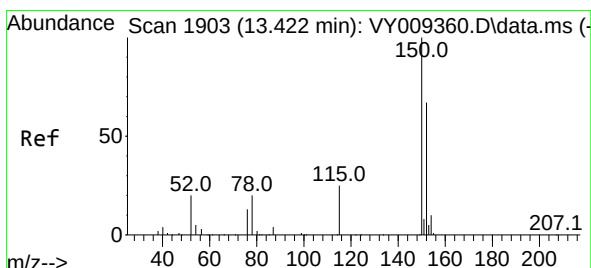
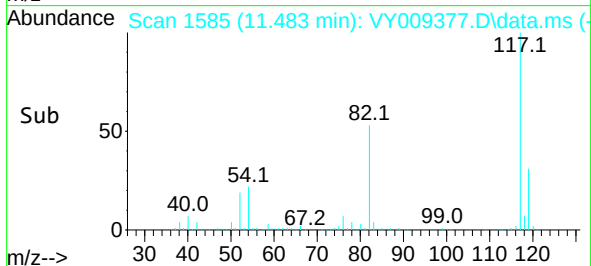
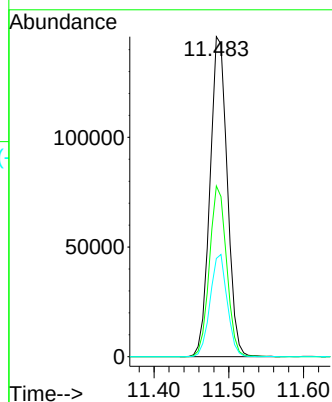
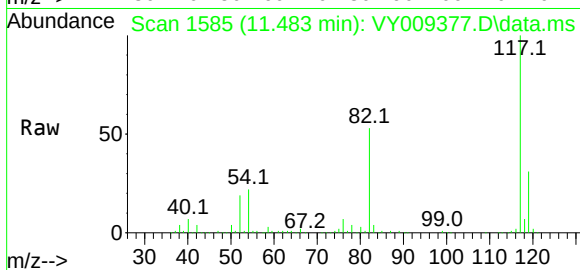
Tgt Ion:117 Resp: 234574

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

119 30.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009377.D

Acq: 29 Jun 2022 16:55

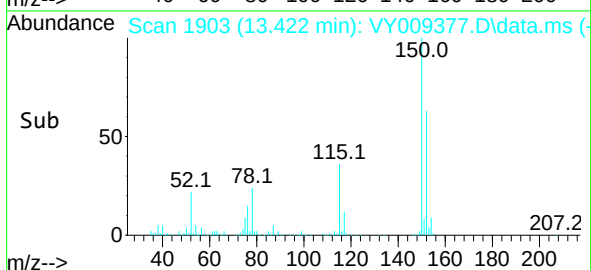
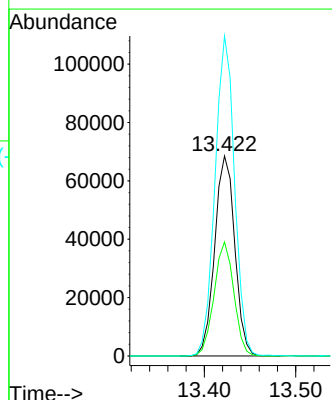
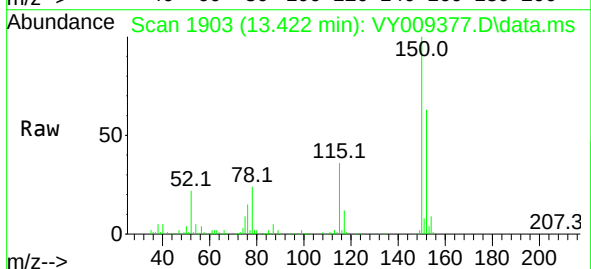
Tgt Ion:152 Resp: 104679

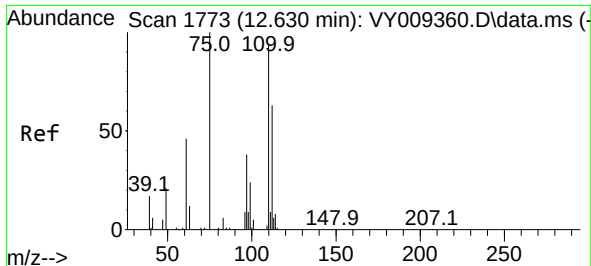
Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

150 155.9 0.0 347.6

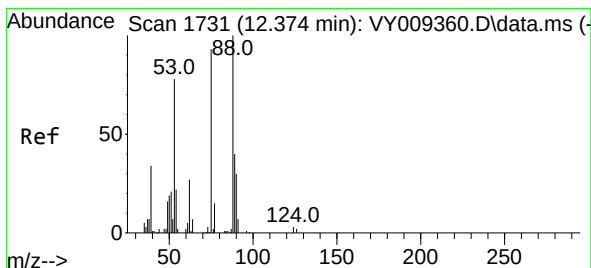
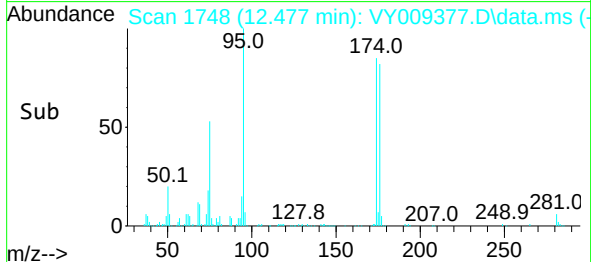
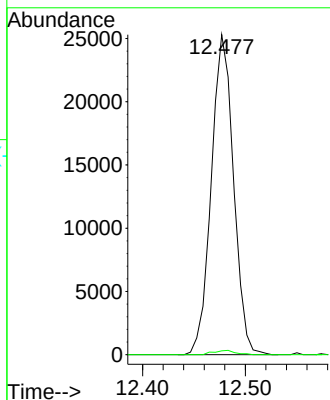
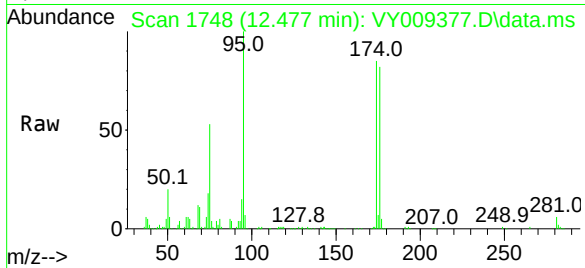




#76
1,2,3-Trichloropropane
Concen: 31.001 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Instrument :
MSVOA_Y
ClientSampleId :
R-1

Tgt Ion: 75 Resp: 38004
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.024 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009377.D
Acq: 29 Jun 2022 16:55

Tgt Ion: 75 Resp: 38004
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#

