

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010182.D
 Acq On : 23 Aug 2022 21:52
 Operator : KP/MD
 Sample : N4188-22RE
 Misc : 9.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S11

Quant Time: Aug 24 04:35:52 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)

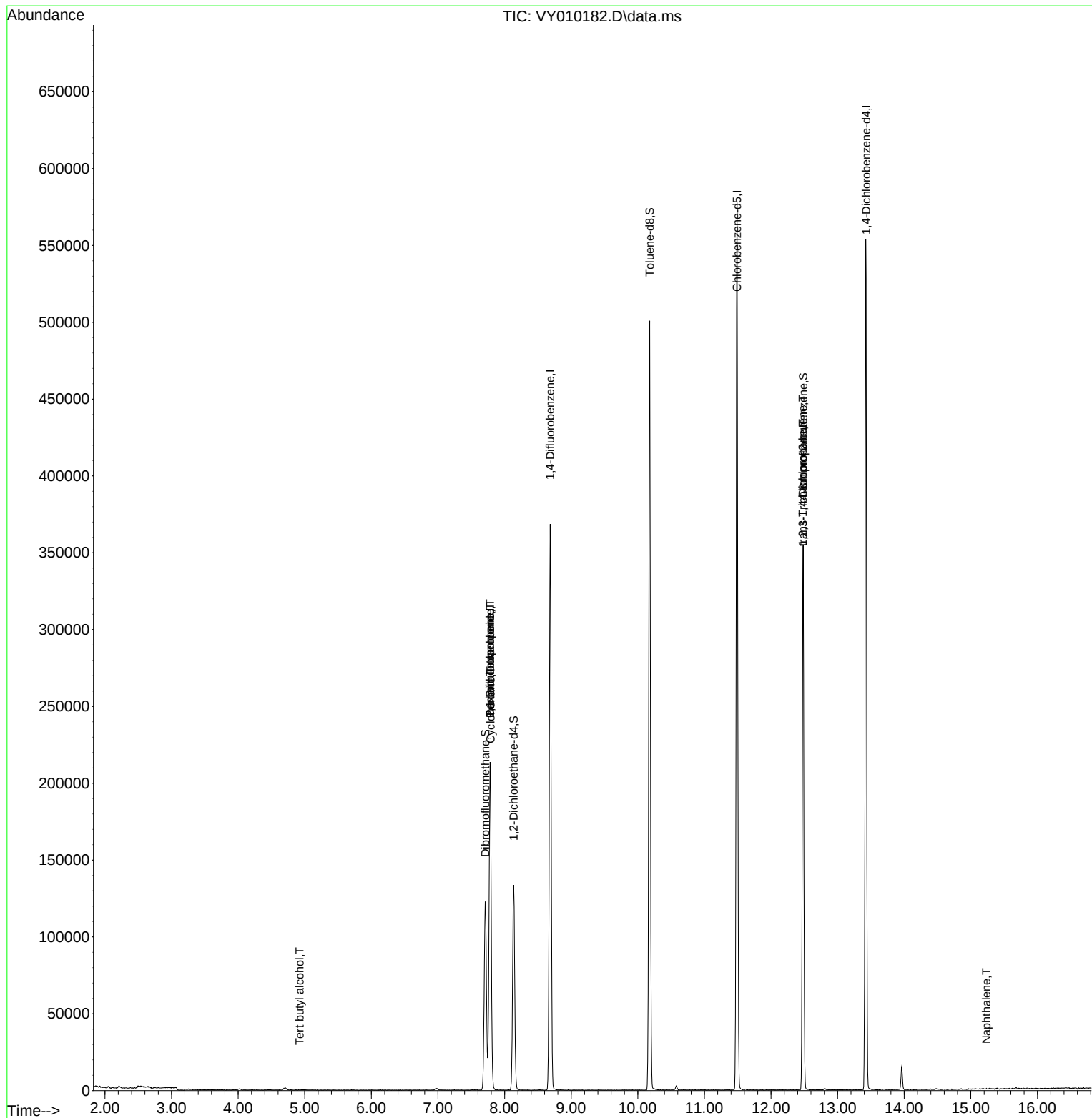
Internal Standards						
1) Pentafluorobenzene	7.783	168	169083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	317224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	99761	72.032	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.060%	
35) Dibromofluoromethane	7.710	113	88184	49.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.460%	
50) Toluene-d8	10.179	98	328245	49.404	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.800%	
62) 4-Bromofluorobenzene	12.483	95	104728	44.116	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.240%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	286	12.363	ug/l #	73
20) Methylene Chloride	4.710	84	1198	Below Cal	#	86
31) Cyclohexane	7.789	56	3135	1.105	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	12354	4.365	ug/l #	48
38) Carbon Tetrachloride	7.783	117	16045	5.405	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	51847	38.197	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51847	76.719	ug/l #	18
95) Naphthalene	15.233	128	184	3.917	ug/l #	69

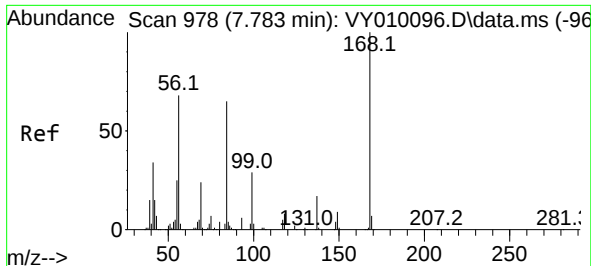
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

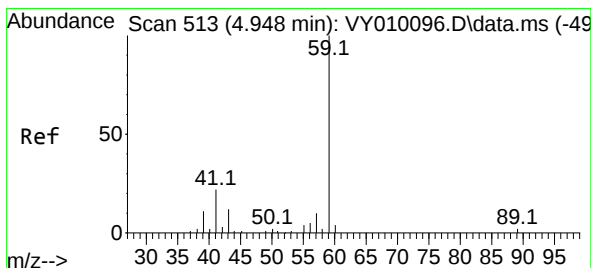
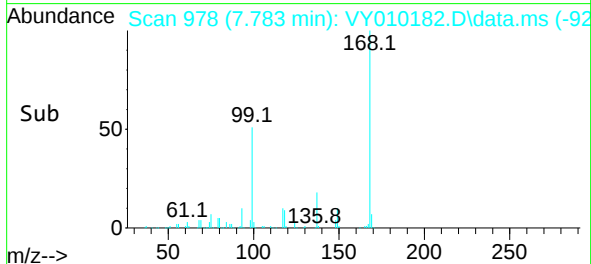
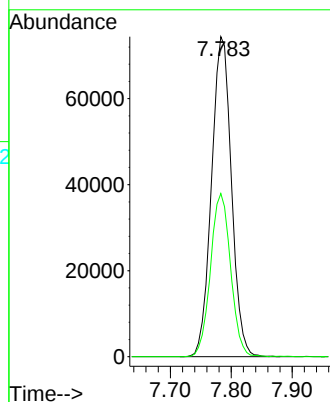
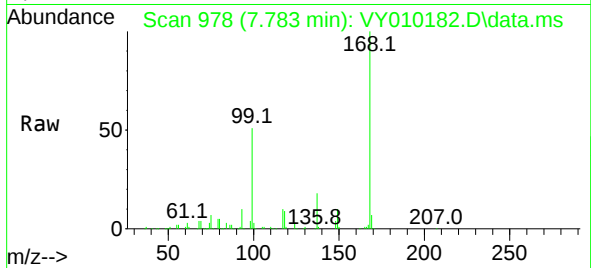




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

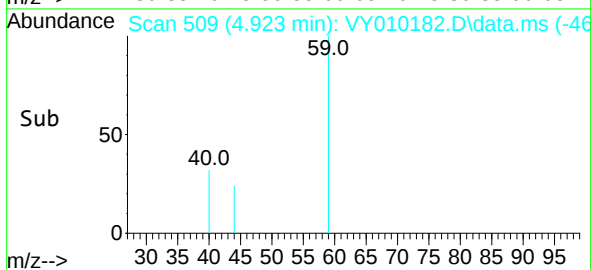
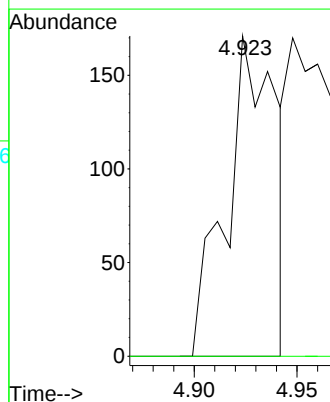
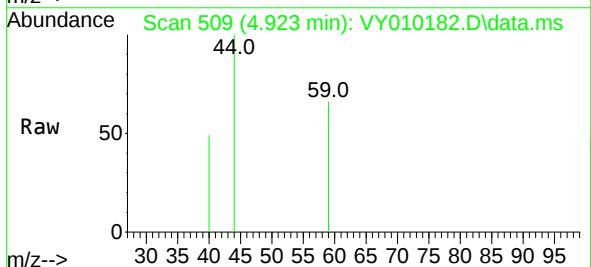
Instrument :
MSVOA_Y
ClientSampleId :
S11

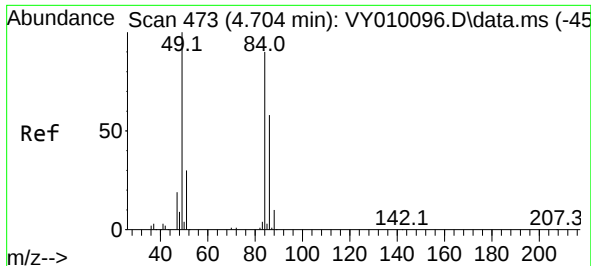
Tgt Ion:168 Resp: 169083
Ion Ratio Lower Upper
168 100
99 51.0 40.7 61.1



#11
Tert butyl alcohol
Concen: 12.363 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

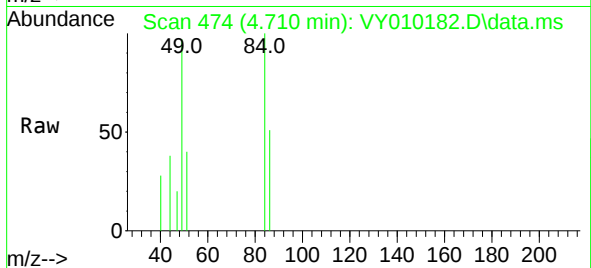
Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





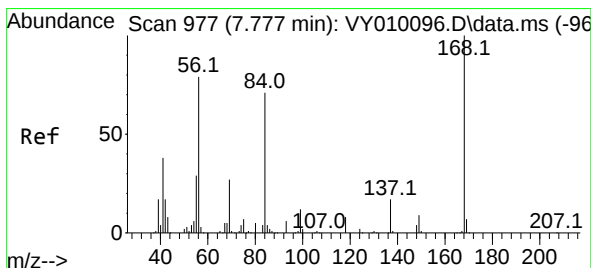
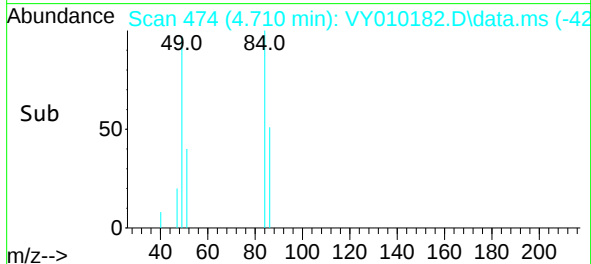
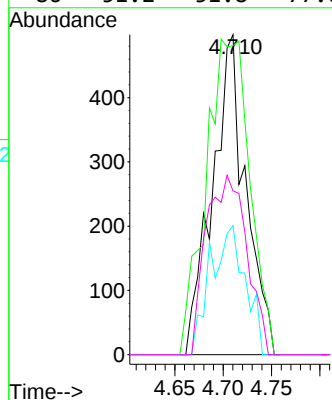
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

Instrument :
MSVOA_Y
ClientSampleId :
S11



Tgt Ion: 84 Resp: 1198

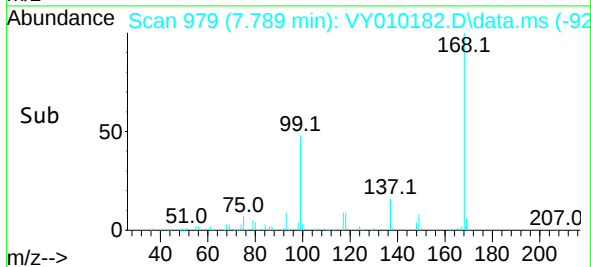
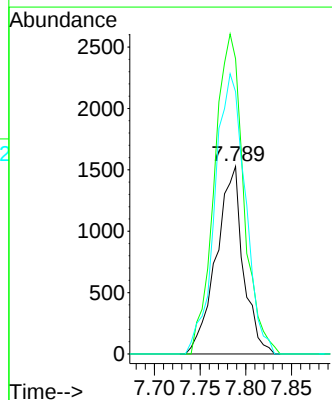
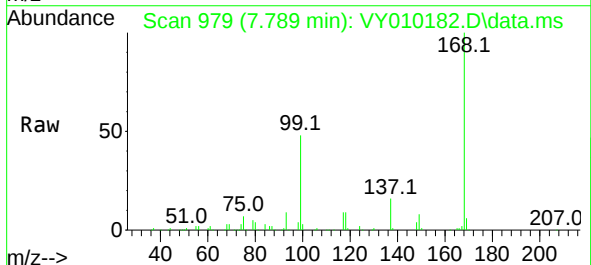
Ion	Ratio	Lower	Upper
84	100		
49	96.6	89.0	133.4
51	40.4	27.0	40.6
86	51.2	51.8	77.6

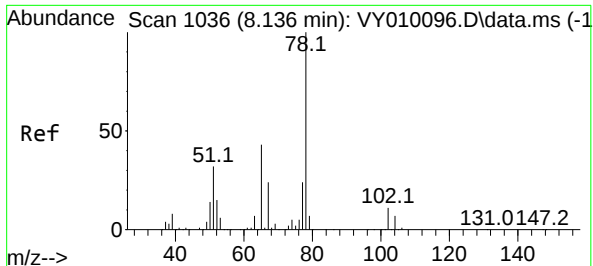


#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

Tgt Ion: 56 Resp: 3135

Ion	Ratio	Lower	Upper
56	100		
69	157.4	27.3	40.9
84	139.9	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 72.032 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010182.D

Acq: 23 Aug 2022 21:52

Instrument :

MSVOA_Y

ClientSampleId :

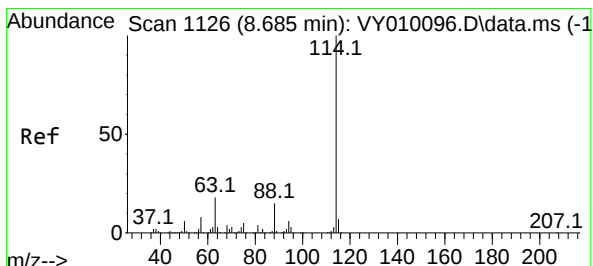
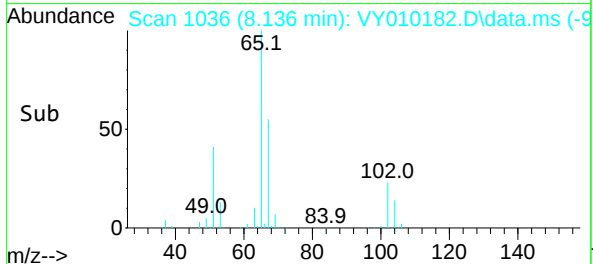
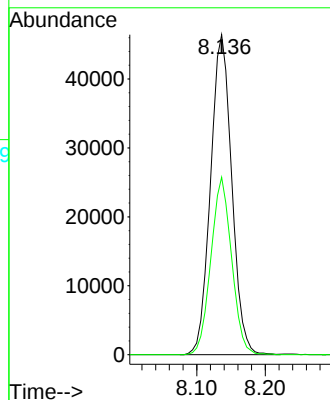
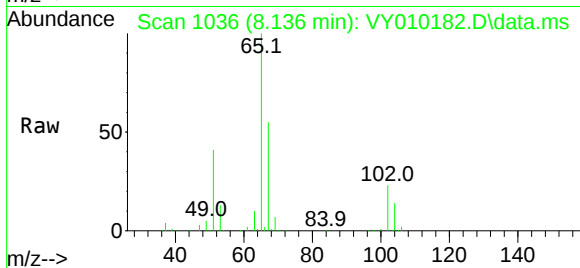
S11

Tgt Ion: 65 Resp: 99761

Ion Ratio Lower Upper

65 100

67 54.1 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: VY010182.D

Acq: 23 Aug 2022 21:52

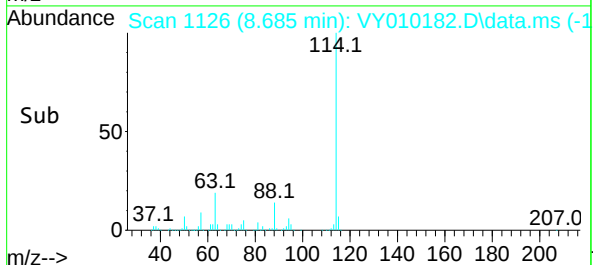
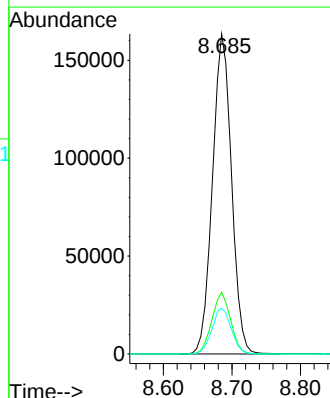
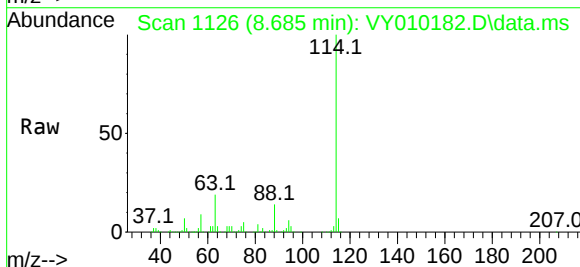
Tgt Ion: 114 Resp: 314678

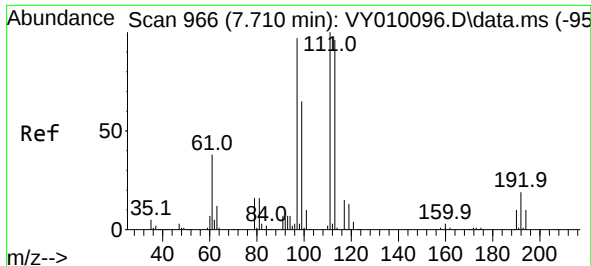
Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.6

88 14.3 0.0 29.6

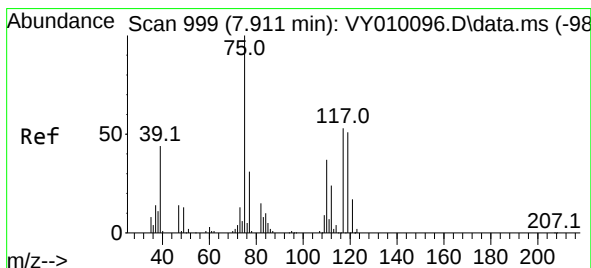
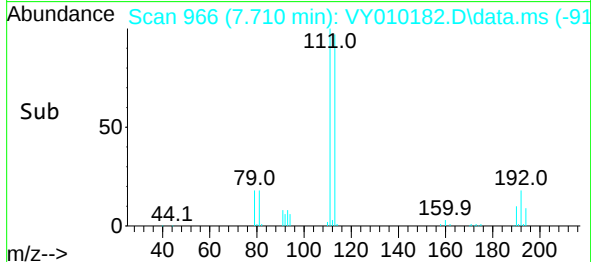
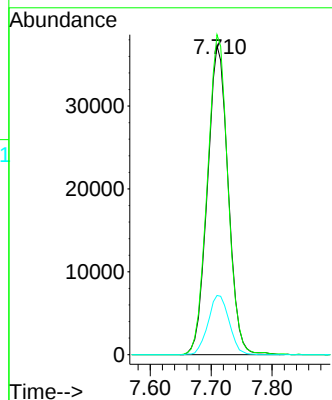
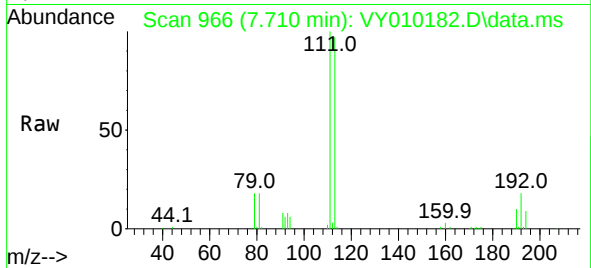




#35
Dibromofluoromethane
Concen: 49.733 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

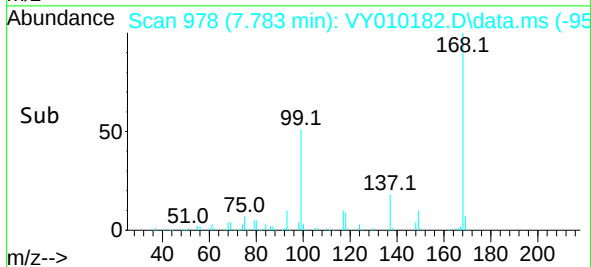
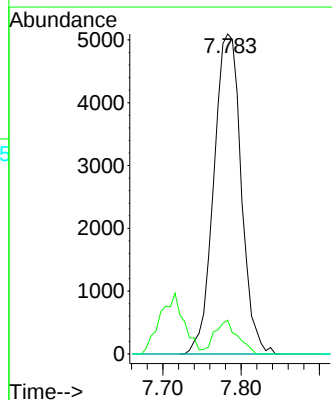
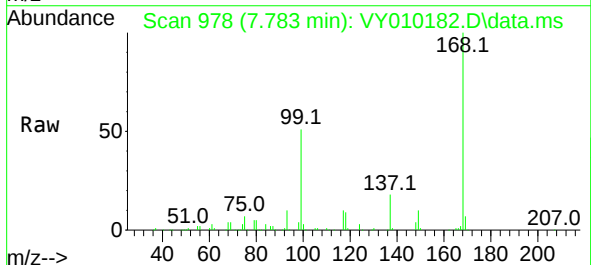
Instrument :
MSVOA_Y
ClientSampleId :
S11

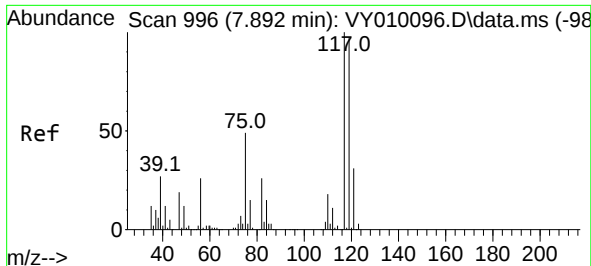
Tgt Ion:113 Resp: 88184
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 19.4 16.3 24.5



#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

Tgt Ion: 75 Resp: 12354
Ion Ratio Lower Upper
75 100
110 8.7 18.6 56.0#
77 0.0 24.9 37.3#

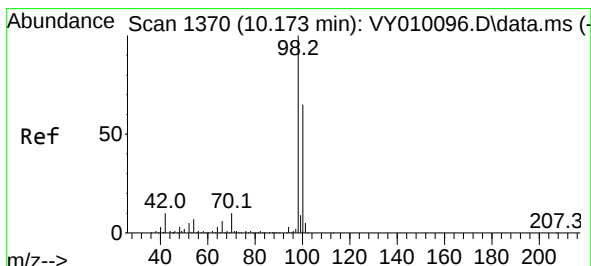
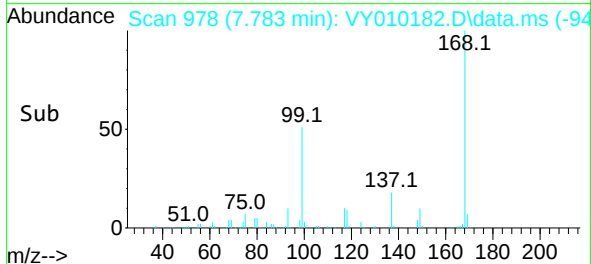
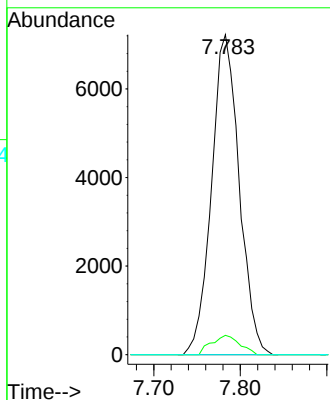
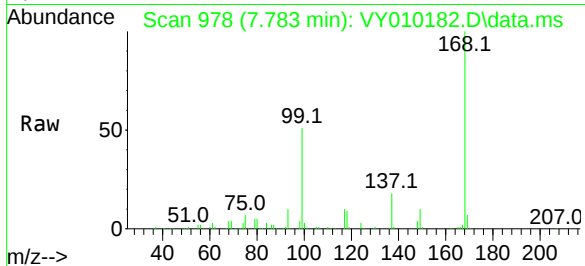




#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

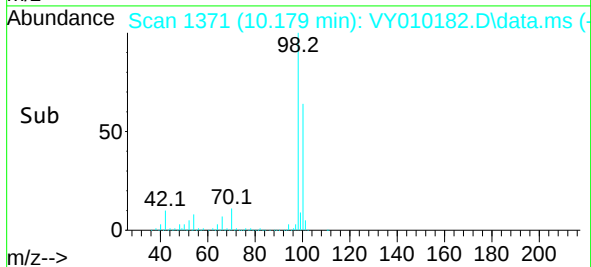
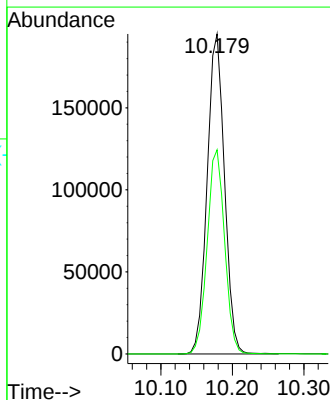
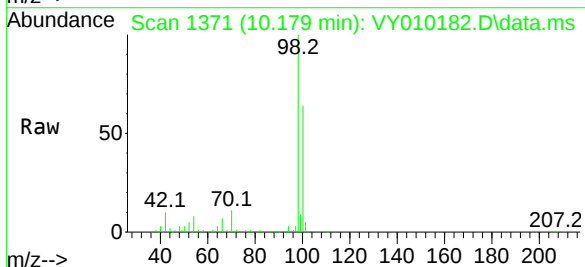
Instrument :
MSVOA_Y
ClientSampleId :
S11

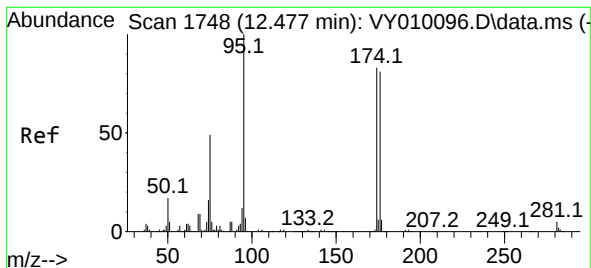
Tgt Ion:117 Resp: 16045
Ion Ratio Lower Upper
117 100
119 6.0 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.404 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

Tgt Ion: 98 Resp: 328245
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 44.116 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY010182.D

Acq: 23 Aug 2022 21:52

Instrument :

MSVOA_Y

ClientSampleId :

S11

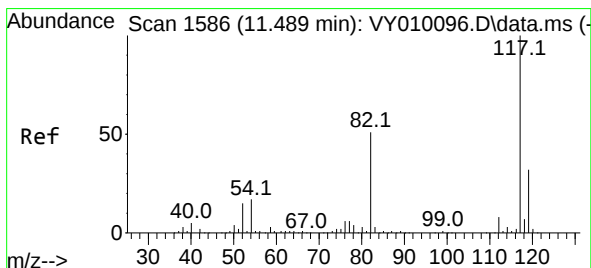
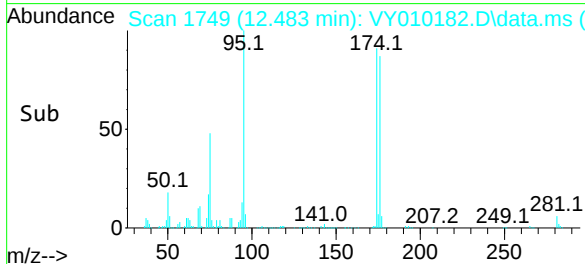
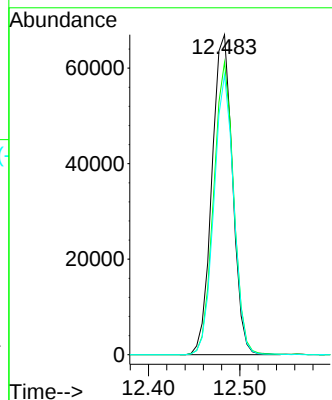
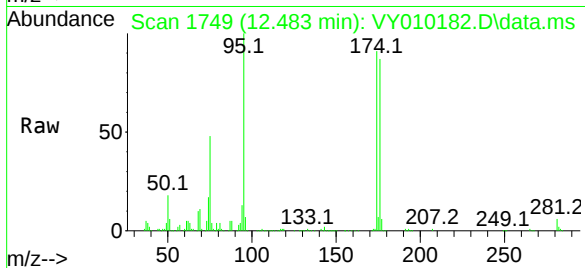
Tgt Ion: 95 Resp: 104728

Ion Ratio Lower Upper

95 100

174 89.1 0.0 173.8

176 84.5 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: VY010182.D

Acq: 23 Aug 2022 21:52

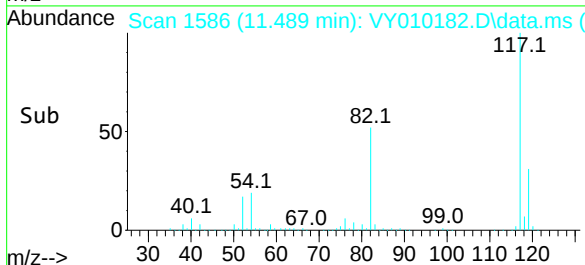
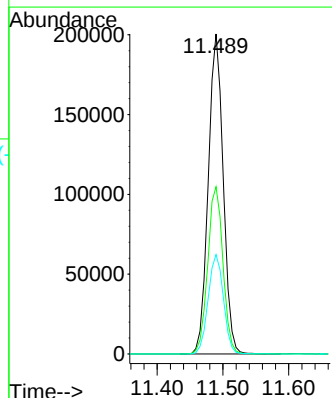
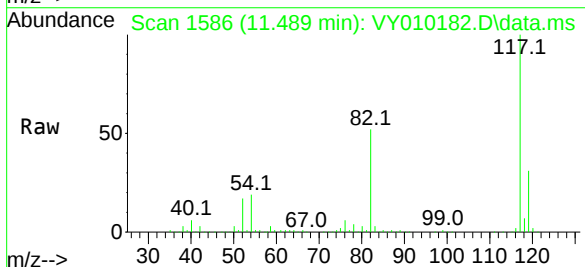
Tgt Ion: 117 Resp: 317224

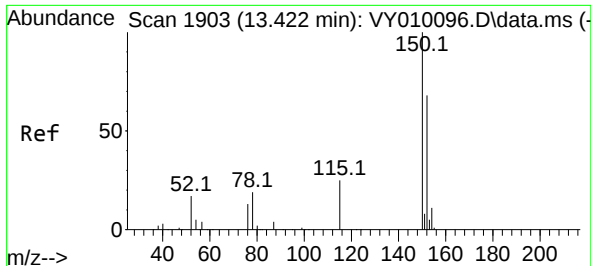
Ion Ratio Lower Upper

117 100

82 52.2 40.6 61.0

119 31.0 25.8 38.8

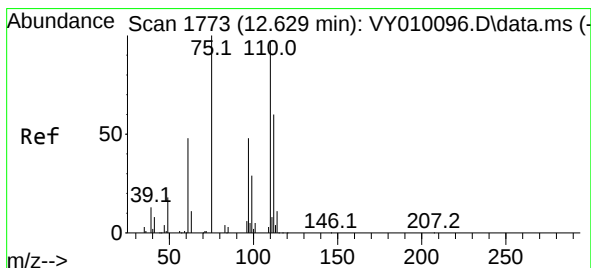
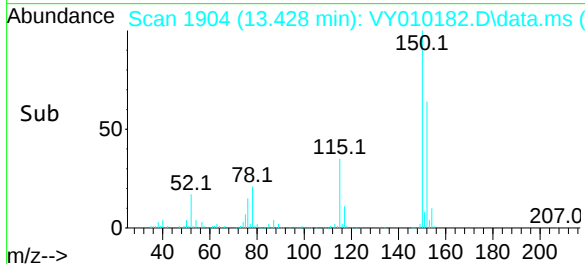
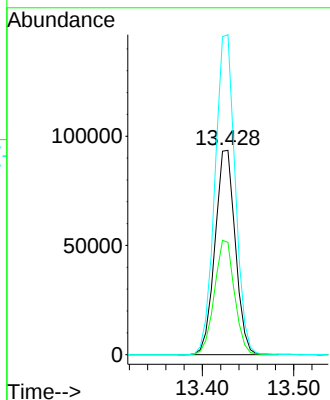
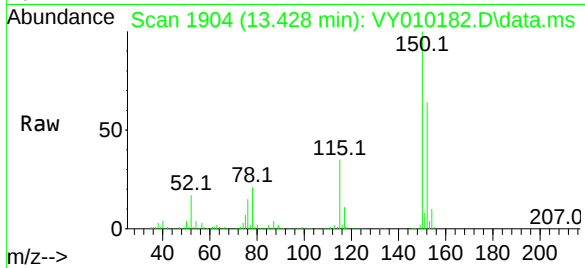




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: VY010182.D
 Acq: 23 Aug 2022 21:52

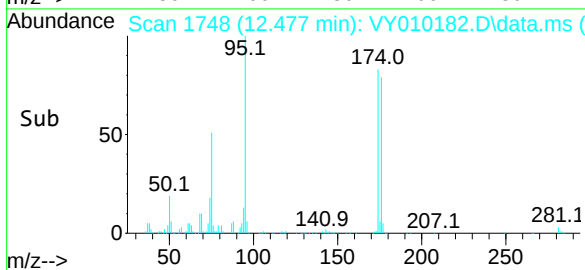
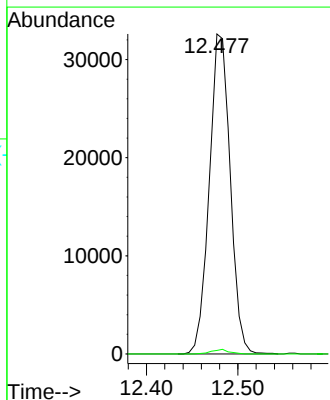
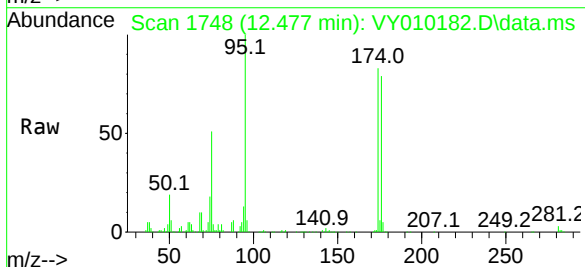
Instrument :
 MSVOA_Y
 ClientSampleId :
 S11

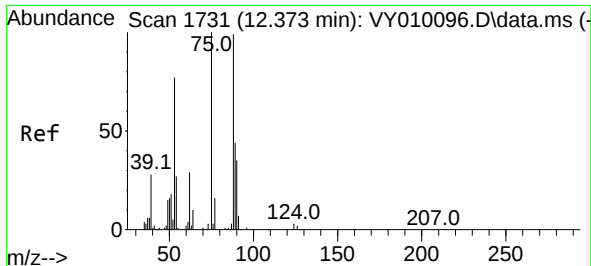
Tgt Ion:152 Resp: 144935
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.1 84.2
 150 156.1 0.0 346.2



#76
 1,2,3-Trichloropropane
 Concen: 38.197 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY010182.D
 Acq: 23 Aug 2022 21:52

Tgt Ion: 75 Resp: 51847
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

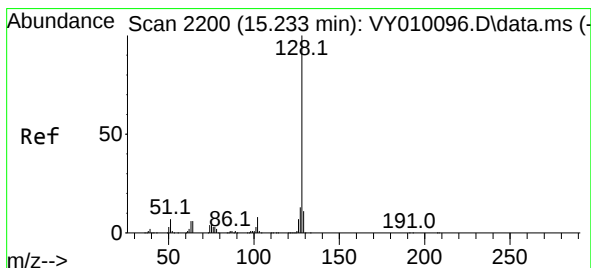
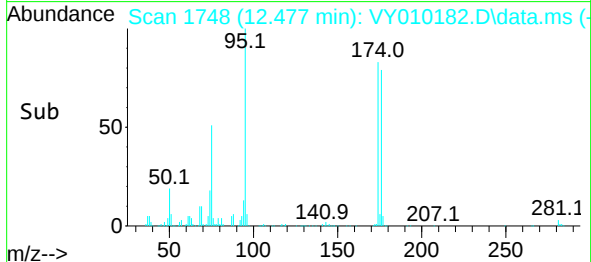
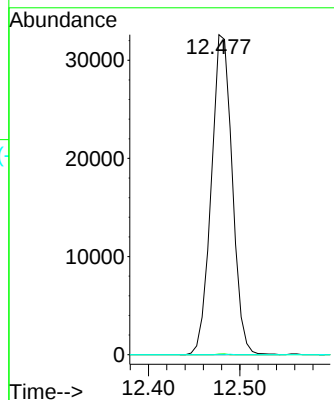
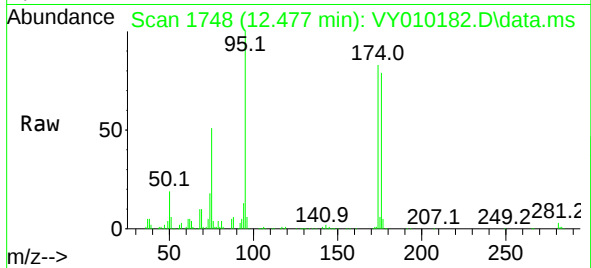




#81
trans-1,4-Dichloro-2-butene
Concen: 76.719 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

Instrument :
MSVOA_Y
ClientSampleId :
S11

Tgt Ion: 75 Resp: 51847
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 3.917 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010182.D
Acq: 23 Aug 2022 21:52

Tgt Ion: 128 Resp: 184
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

