

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083122\
 Data File : VY010242.D
 Acq On : 31 Aug 2022 13:57
 Operator : KP/MD
 Sample : N4416-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B

Quant Time: Aug 31 14:45:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:23:17 2022
 Response via : Initial Calibration

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

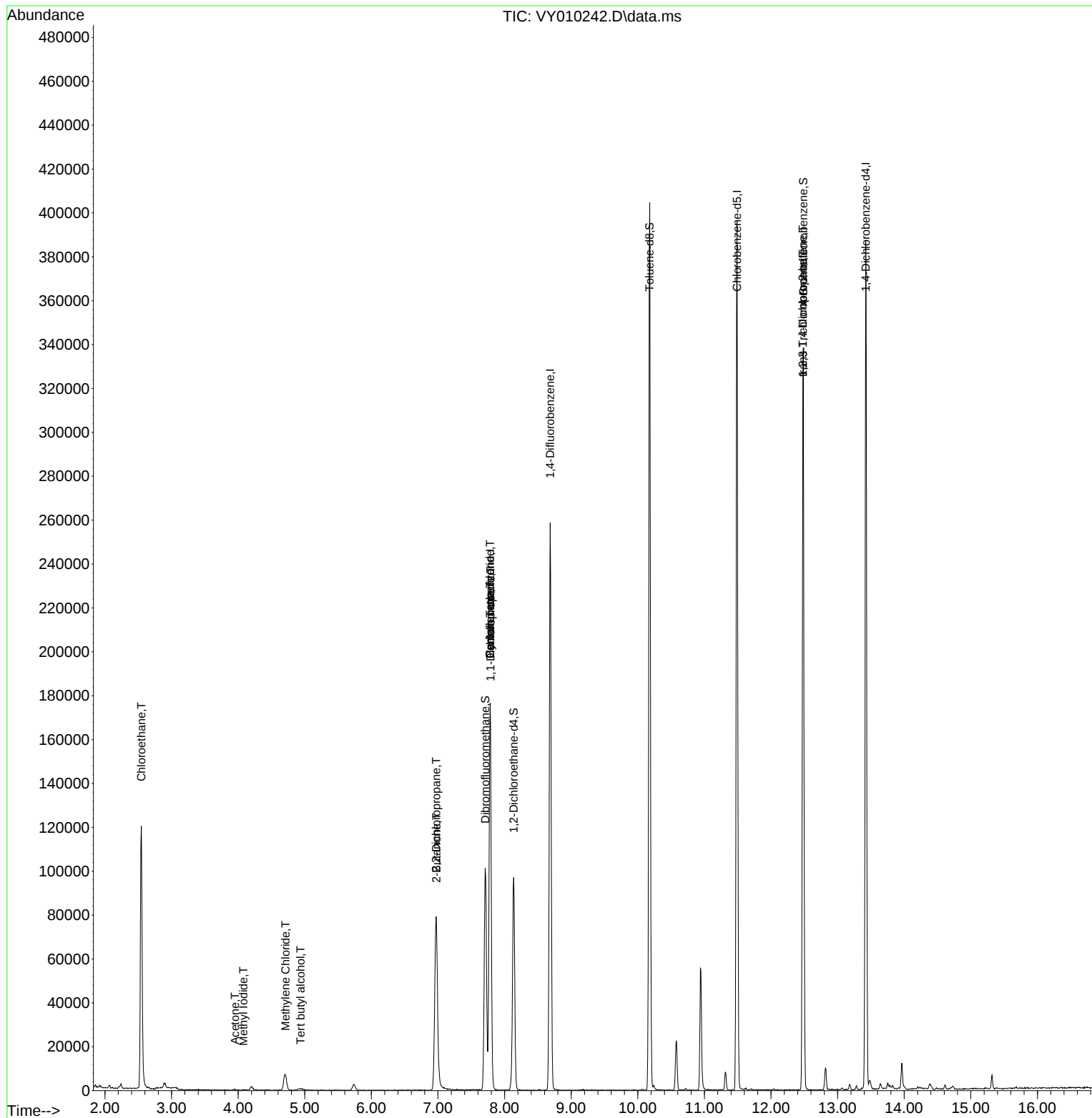
Internal Standards						
1) Pentafluorobenzene	7.783	168	148323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	235950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	227247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75791	60.691	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.380%	
35) Dibromofluoromethane	7.710	113	73513	54.185	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.360%	
50) Toluene-d8	10.179	98	271765	53.910	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	12.483	95	91953	48.915	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.820%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.546	64	857	1.020	ug/l #	82
10) Methyl Iodide	4.076	142	198	1.552	ug/l #	45
11) Tert butyl alcohol	4.936	59	1218	9.748	ug/l #	77
16) Acetone	3.954	43	589	2.243	ug/l #	47
20) Methylene Chloride	4.710	84	6232	4.031	ug/l #	69
25) 2-Butanone	6.978	43	3754	8.301	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	5894	2.762	ug/l #	55
31) Cyclohexane	7.783	56	2362	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	9844	4.784	ug/l #	52
38) Carbon Tetrachloride	7.783	117	13389	5.671	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	45759	42.683	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45759	89.051	ug/l #	7

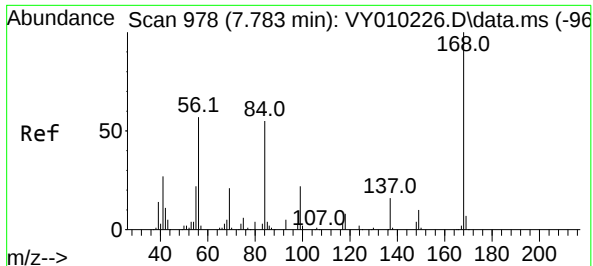
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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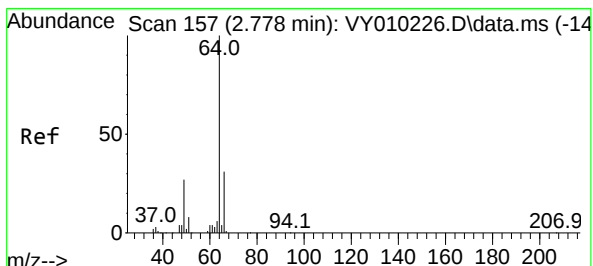
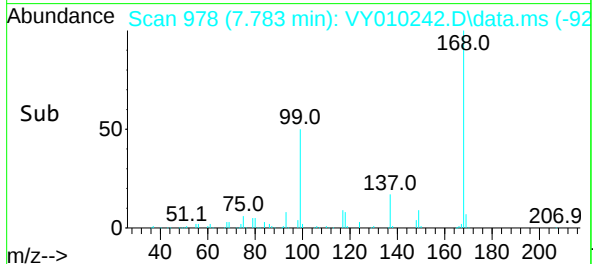
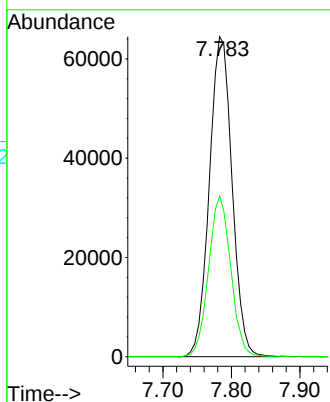
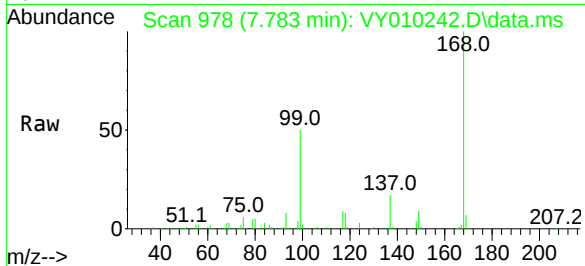




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

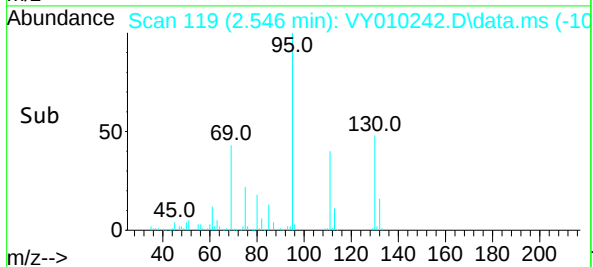
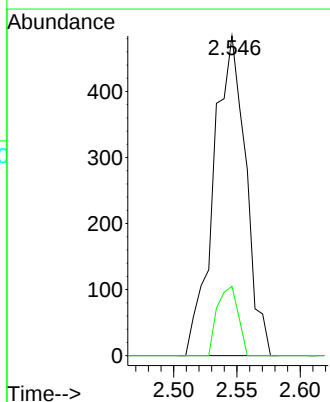
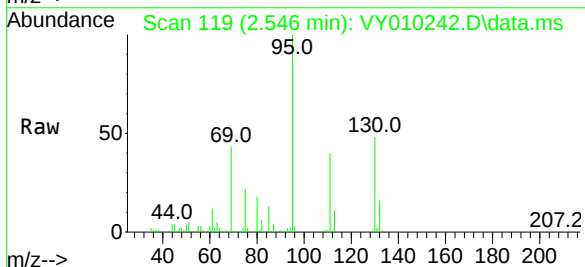
Instrument :
MSVOA_Y
ClientSampleId :
B

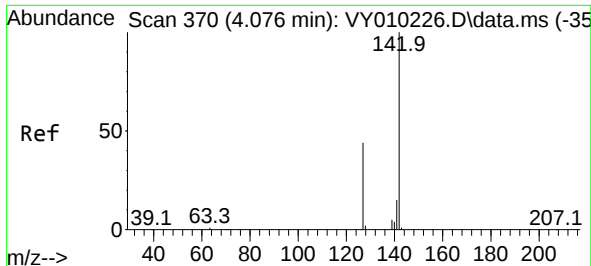
Tgt Ion:168 Resp: 148323
Ion Ratio Lower Upper
168 100
99 50.2 46.9 70.3



#6
Chloroethane
Concen: 1.020 ug/l
RT: 2.546 min Scan# 119
Delta R.T. -0.232 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

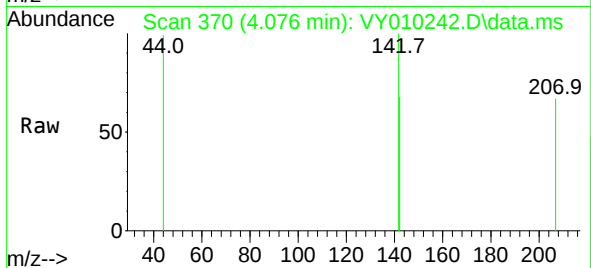
Tgt Ion: 64 Resp: 857
Ion Ratio Lower Upper
64 100
66 21.7 25.4 38.0#



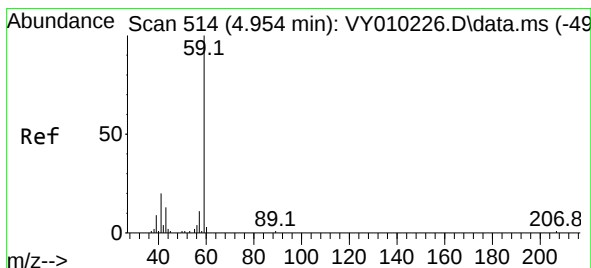
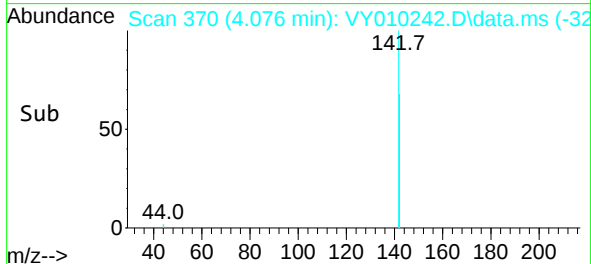
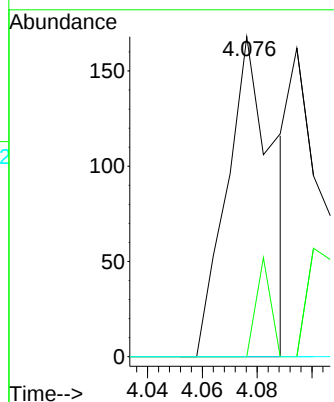


#10
Methyl Iodide
Concen: 1.552 ug/l
RT: 4.076 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Instrument :
MSVOA_Y
ClientSampleId :
B

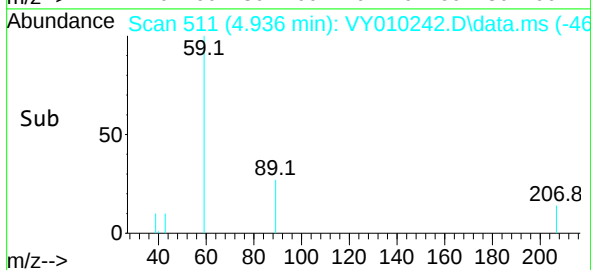
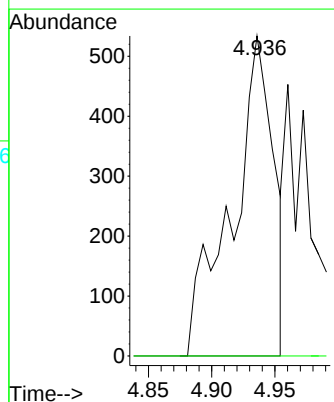
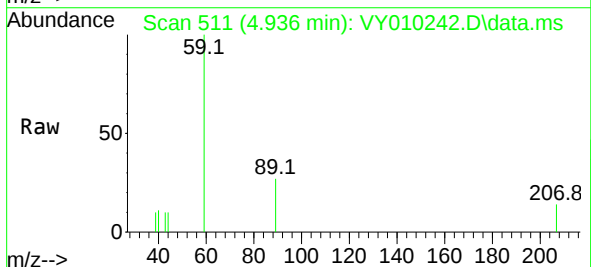


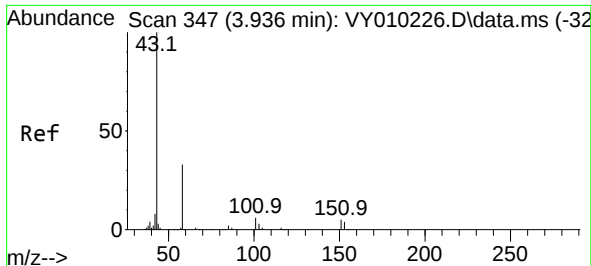
Tgt Ion:142 Resp: 198
Ion Ratio Lower Upper
142 100
127 9.6 41.5 62.3#
141 0.0 11.9 17.9#



#11
Tert butyl alcohol
Concen: 9.748 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion: 59 Resp: 1218
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 2.243 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY010242.D

Acq: 31 Aug 2022 13:57

Instrument :

MSVOA_Y

ClientSampleId :

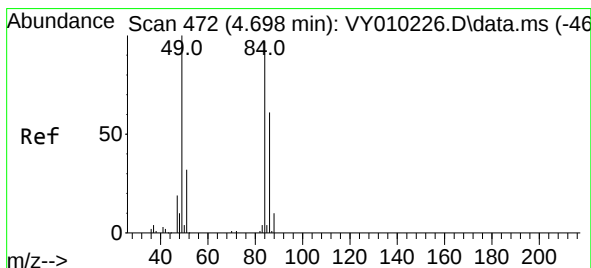
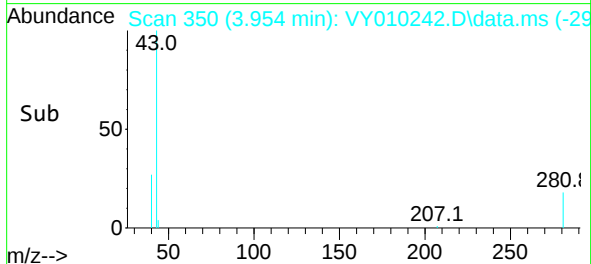
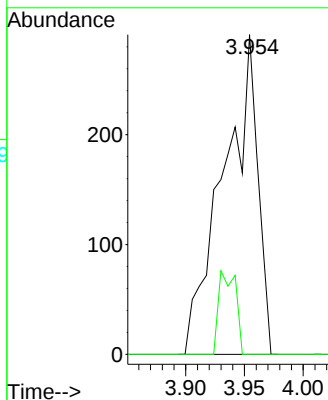
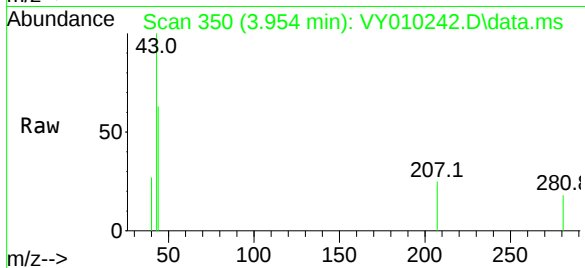
B

Tgt Ion: 43 Resp: 589

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#



#20

Methylene Chloride

Concen: 4.031 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.012 min

Lab File: VY010242.D

Acq: 31 Aug 2022 13:57

Tgt Ion: 84 Resp: 6232

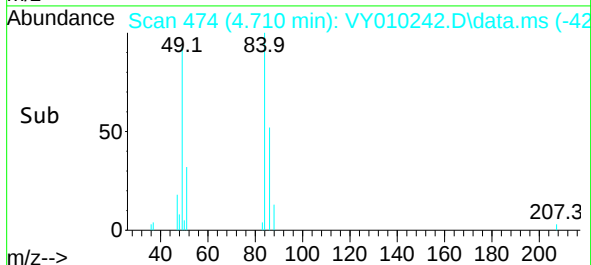
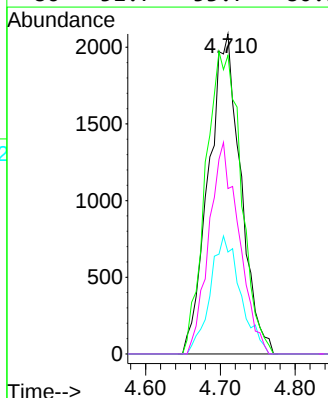
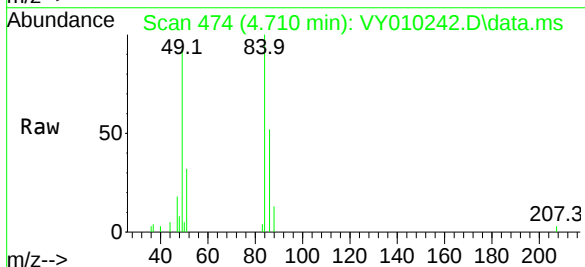
Ion Ratio Lower Upper

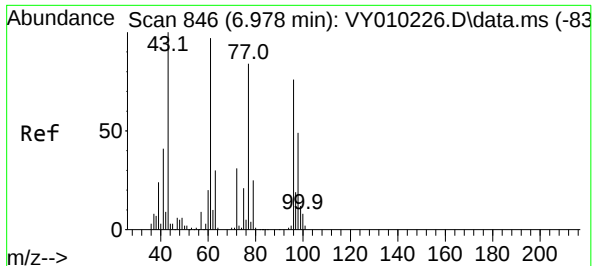
84 100

49 93.3 114.4 171.6#

51 31.8 35.3 52.9#

86 51.7 53.7 80.5#

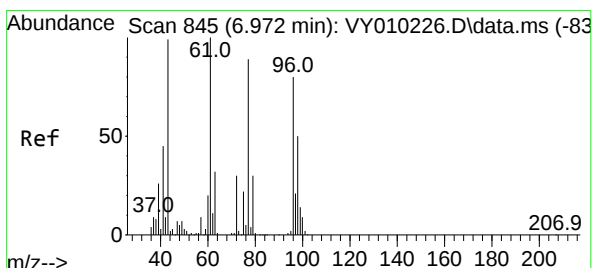
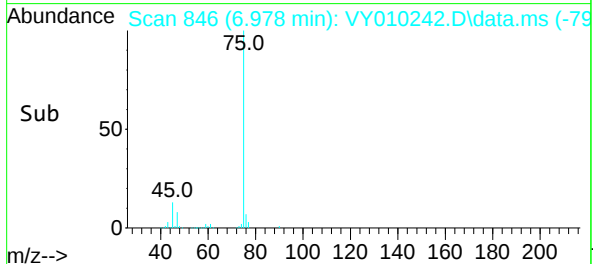
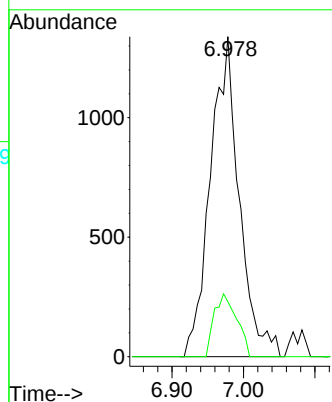
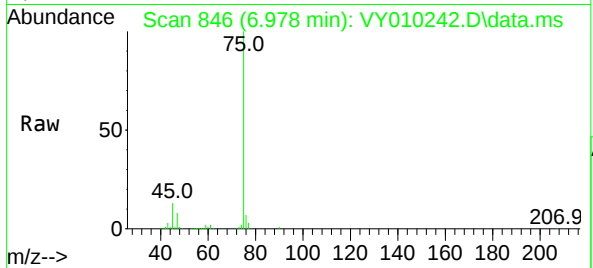




#25
2-Butanone
Concen: 8.301 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

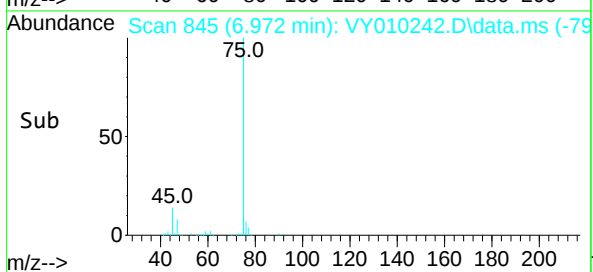
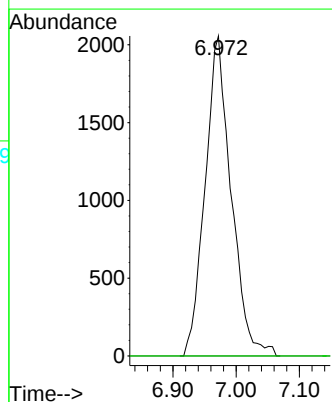
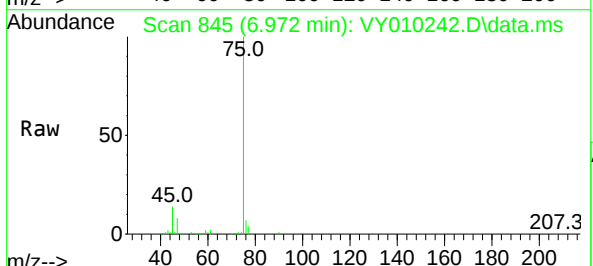
Instrument :
MSVOA_Y
ClientSampleId :
B

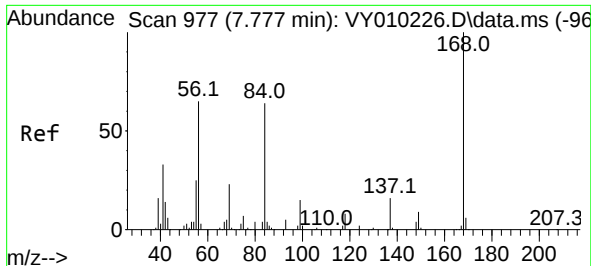
Tgt Ion: 43 Resp: 3754
Ion Ratio Lower Upper
43 100
72 17.2 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 2.762 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion: 77 Resp: 5894
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

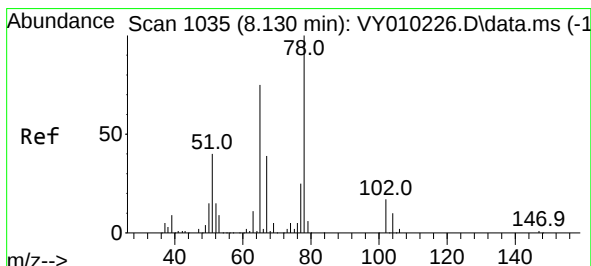
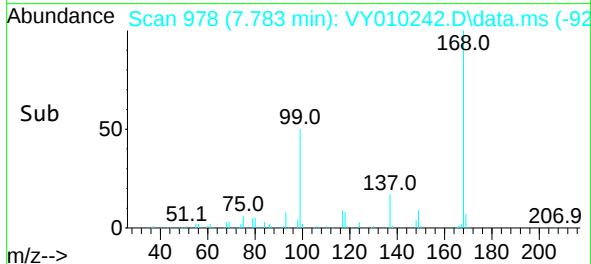
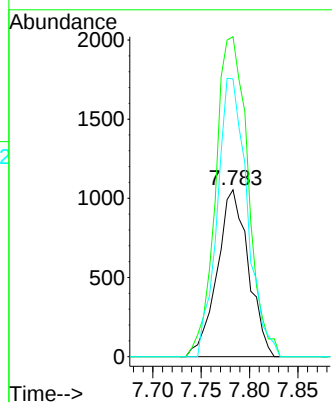
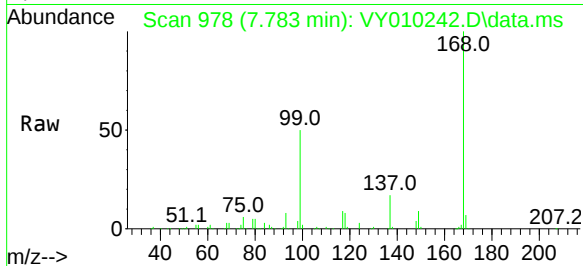




#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

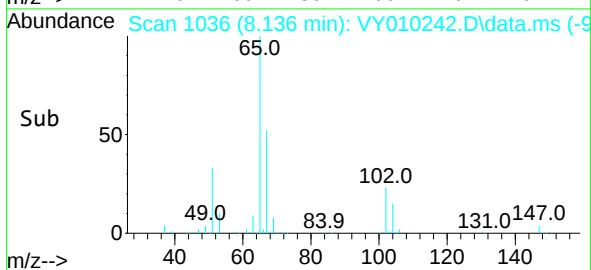
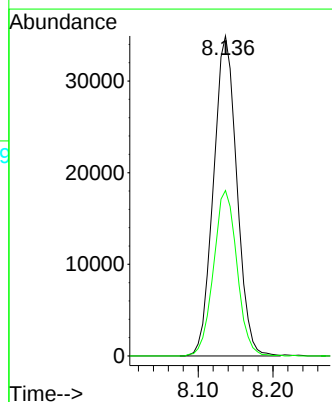
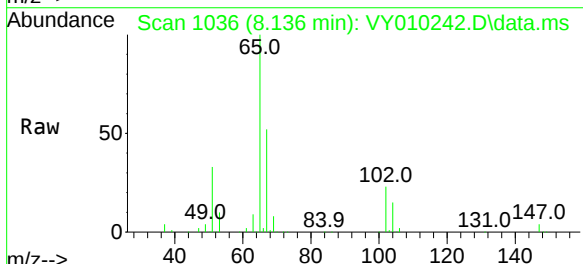
Instrument :
MSVOA_Y
ClientSampleId :
B

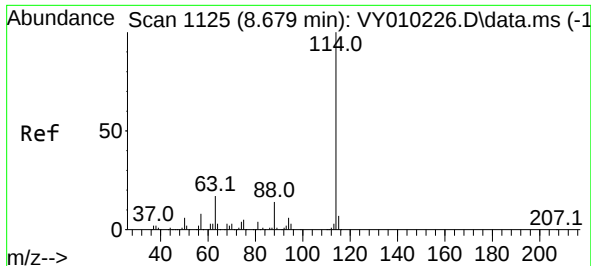
Tgt Ion: 56 Resp: 2362
Ion Ratio Lower Upper
56 100
69 191.7 26.7 40.1#
84 166.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.691 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion: 65 Resp: 75791
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY010242.D

Acq: 31 Aug 2022 13:57

Instrument :

MSVOA_Y

ClientSampleId :

B

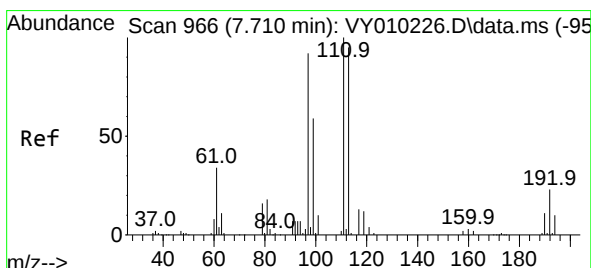
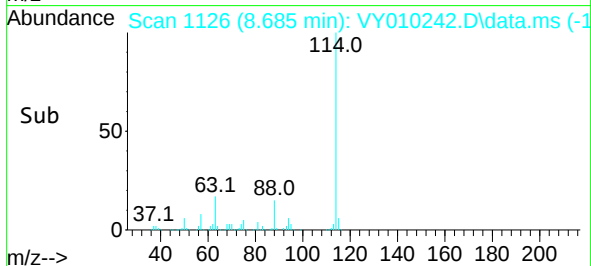
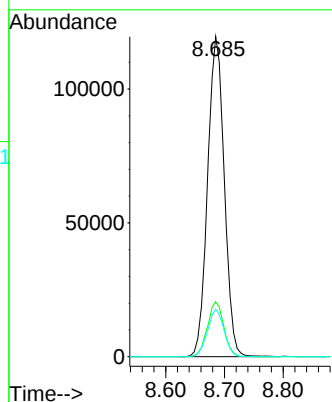
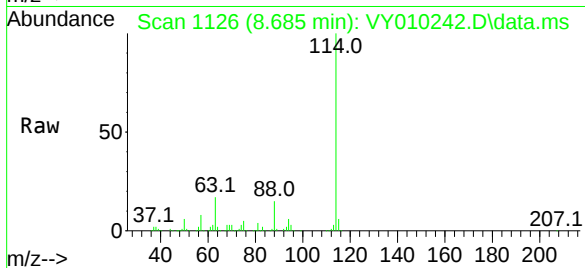
Tgt Ion:114 Resp: 235950

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.185 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010242.D

Acq: 31 Aug 2022 13:57

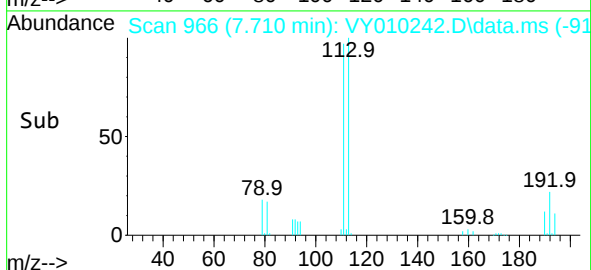
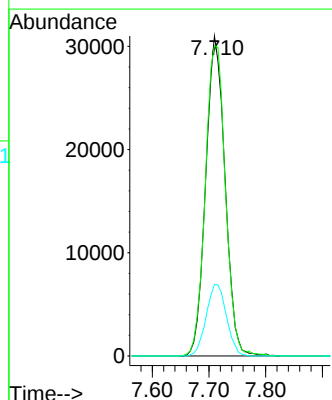
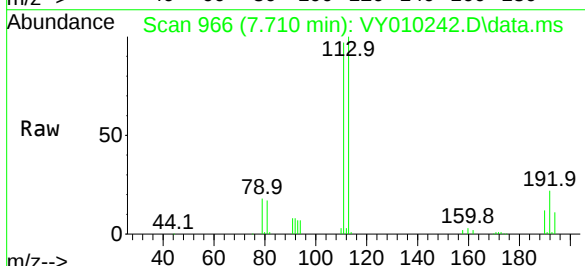
Tgt Ion:113 Resp: 73513

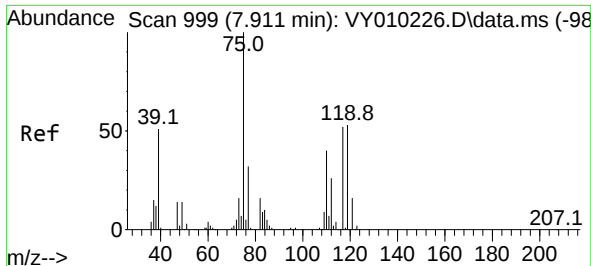
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 23.4 17.6 26.4

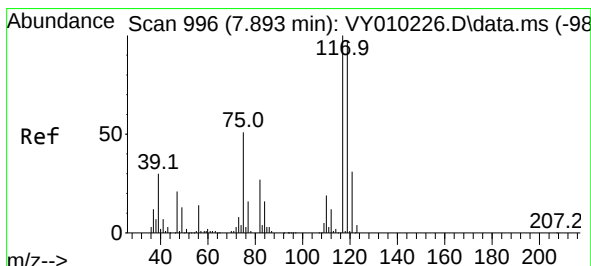
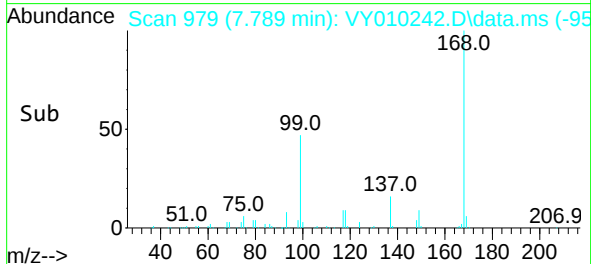
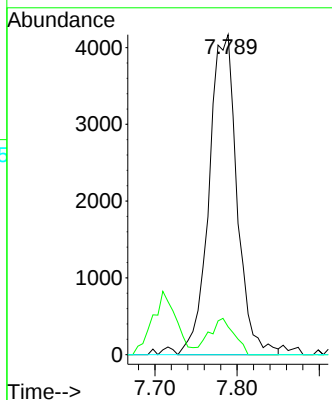
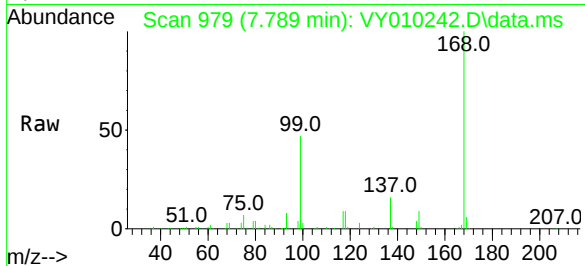




#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

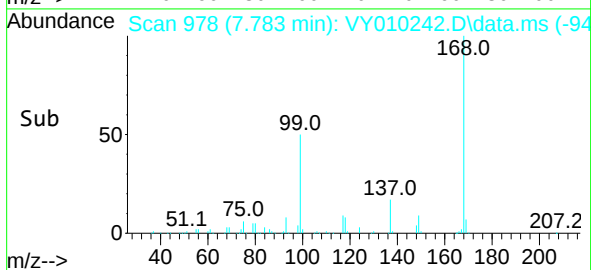
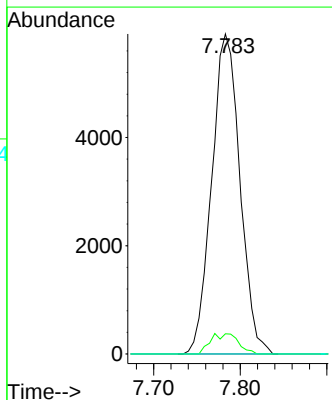
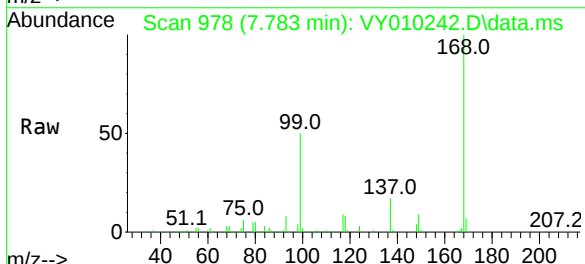
Instrument :
MSVOA_Y
ClientSampleId :
B

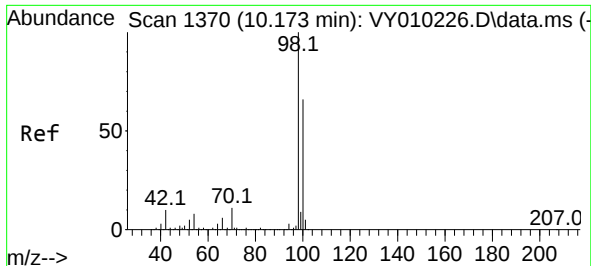
Tgt Ion: 75 Resp: 9844
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion: 117 Resp: 13389
Ion Ratio Lower Upper
117 100
119 6.3 77.9 116.9#
121 0.0 24.8 37.2#

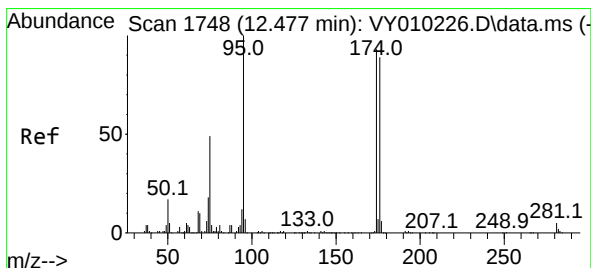
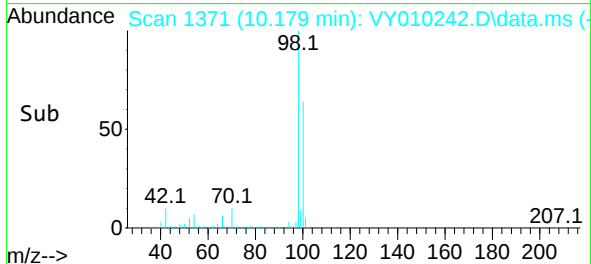
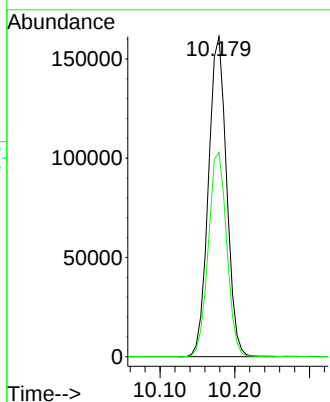
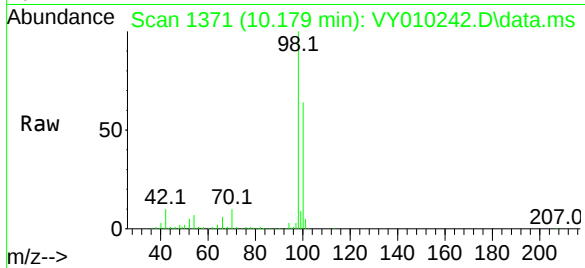




#50
Toluene-d8
Concen: 53.910 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

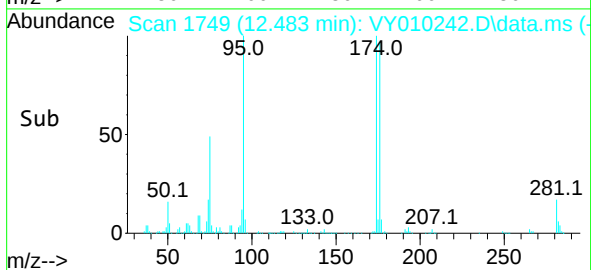
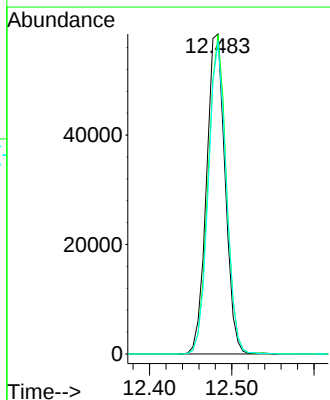
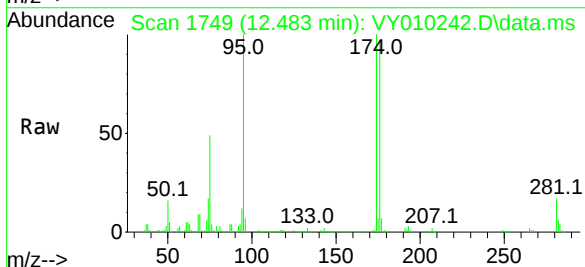
Instrument :
MSVOA_Y
ClientSampleId :
B

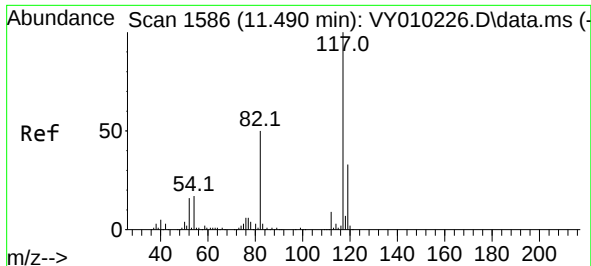
Tgt Ion: 98 Resp: 271765
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 48.915 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion: 95 Resp: 91953
Ion Ratio Lower Upper
95 100
174 97.1 0.0 177.0
176 93.7 0.0 175.8

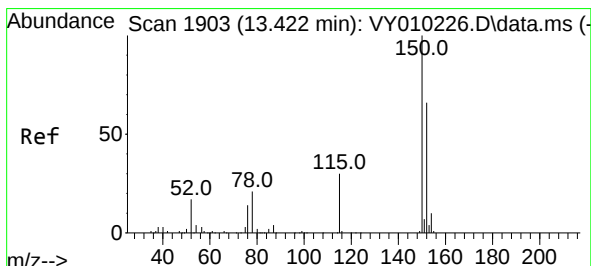
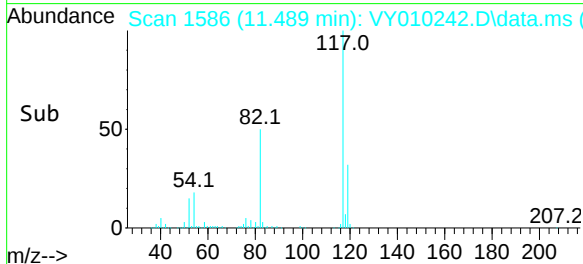
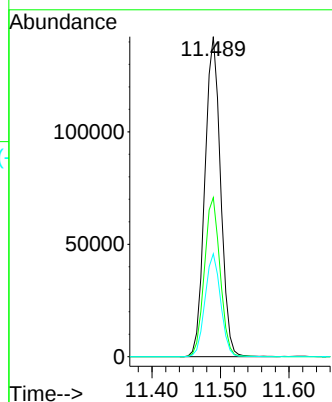
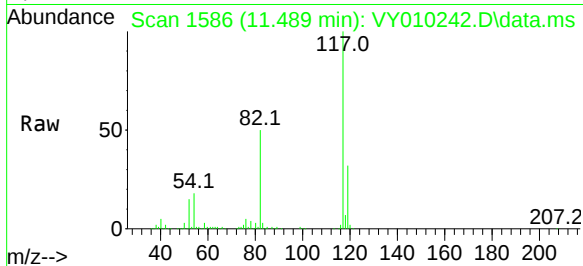




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

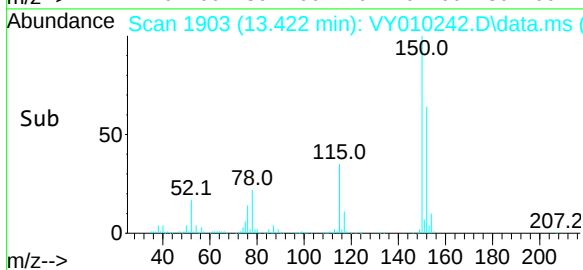
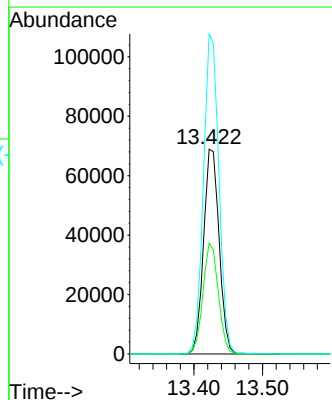
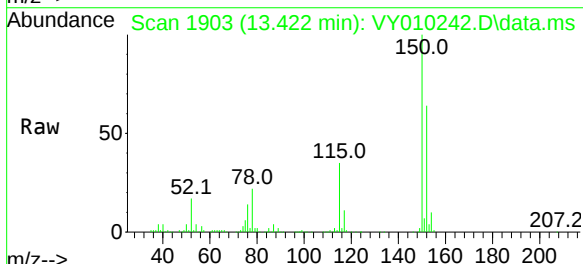
Instrument :
MSVOA_Y
ClientSampleId :
B

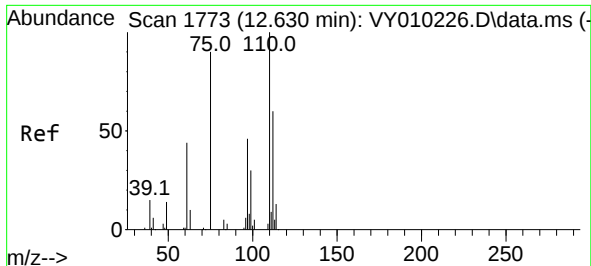
Tgt Ion:117 Resp: 227247
Ion Ratio Lower Upper
117 100
82 49.7 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion:152 Resp: 109027
Ion Ratio Lower Upper
152 100
115 53.5 28.2 84.7
150 155.4 0.0 347.6

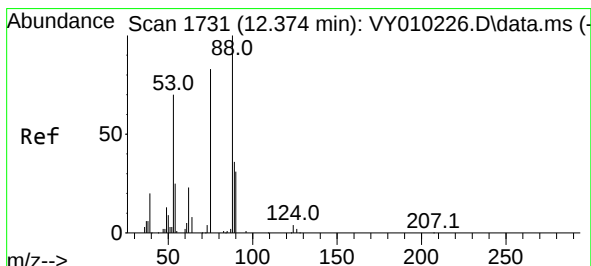
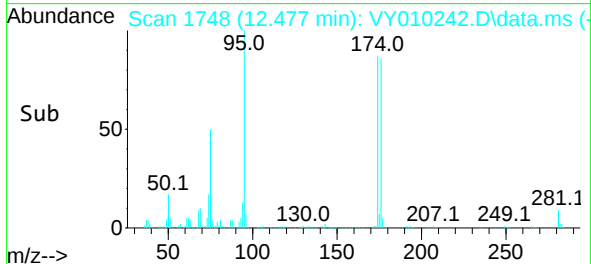
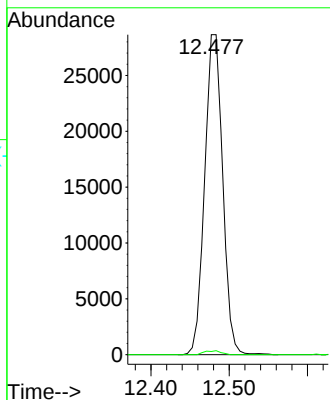
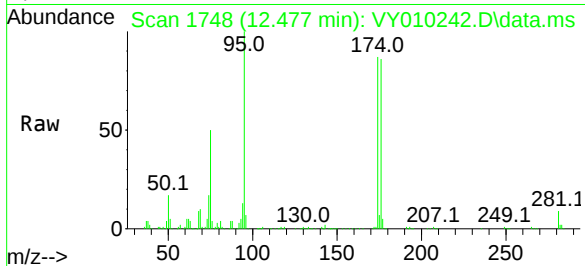




#76
1,2,3-Trichloropropane
Concen: 42.683 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Instrument :
MSVOA_Y
ClientSampleId :
B

Tgt Ion: 75 Resp: 45759
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.051 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010242.D
Acq: 31 Aug 2022 13:57

Tgt Ion: 75 Resp: 45759
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

