

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010565.D
 Acq On : 19 Sep 2022 20:45
 Operator : KP/MD
 Sample : N4641-07
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A1-8-17.5

Quant Time: Sep 20 01:06:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	188854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131688	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112903	62.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.000%
35) Dibromofluoromethane	7.710	113	99875	49.451	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.900%
50) Toluene-d8	10.173	98	377356	50.521	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.040%
62) 4-Bromofluorobenzene	12.477	95	127715	45.881	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.760%

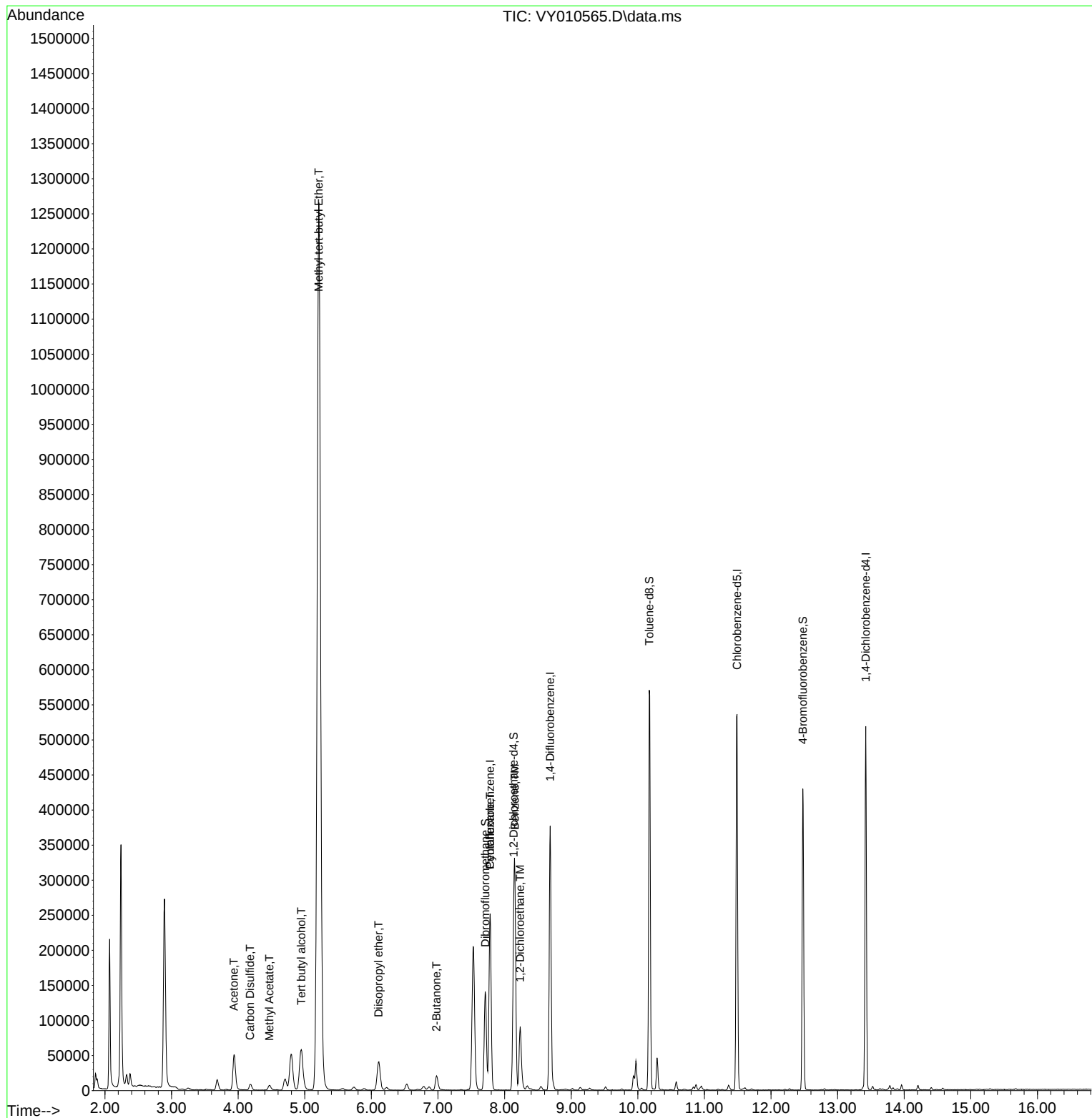
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	112738	718.383	ug/l #	94
16) Acetone	3.936	43	89322	242.485	ug/l	92
17) Carbon Disulfide	4.180	76	16680	1.840	ug/l	99
18) Methyl Acetate	4.466	43	14200	12.061	ug/l #	89
19) Methyl tert-butyl Ether	5.210	73	2264949	544.764	ug/l	97
22) Diisopropyl ether	6.106	45	49628	10.457	ug/l #	89
25) 2-Butanone	6.978	43	34876	60.531	ug/l #	84
31) Cyclohexane	7.783	56	11264	2.113	ug/l #	51
40) Benzene	8.155	78	259059	38.616	ug/l	96
42) 1,2-Dichloroethane	8.234	62	16739	8.103	ug/l	90

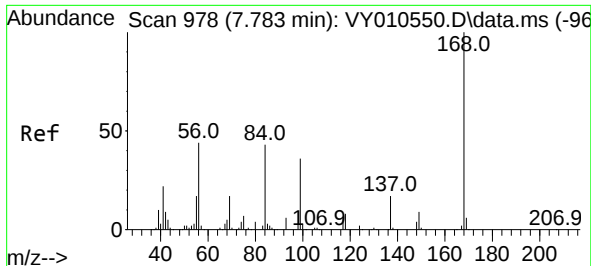
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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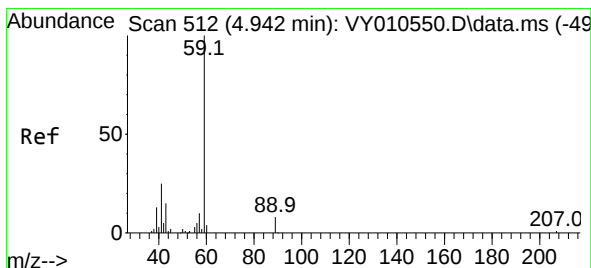
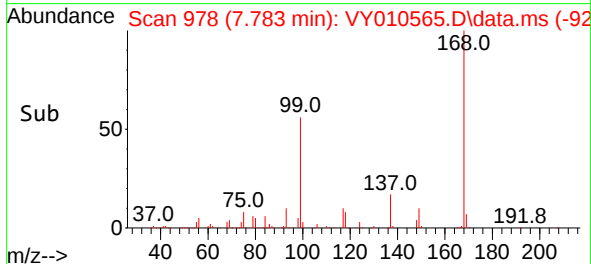
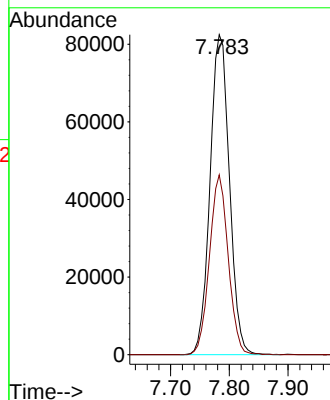
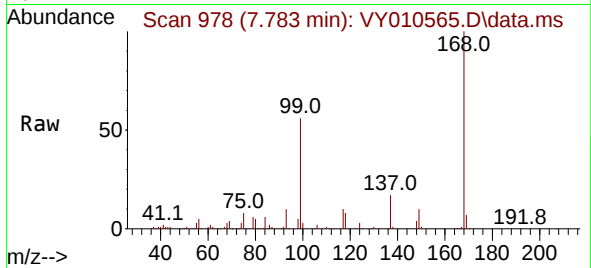




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

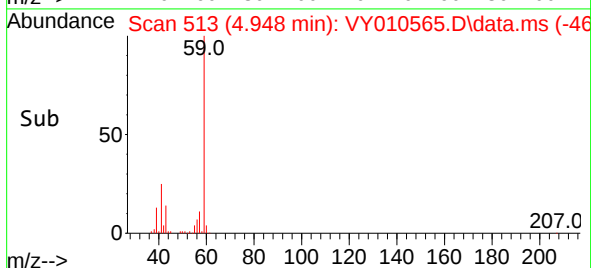
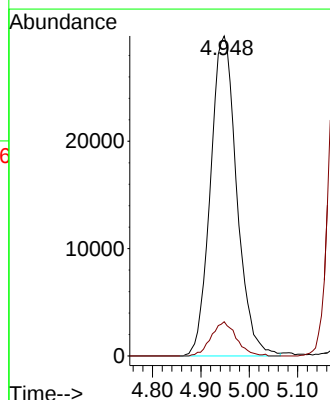
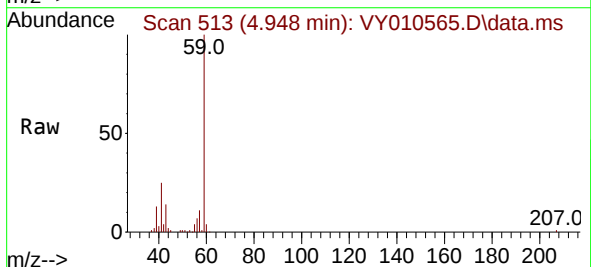
Instrument :
MSVOA_Y
ClientSampleId :
A1-8-17.5

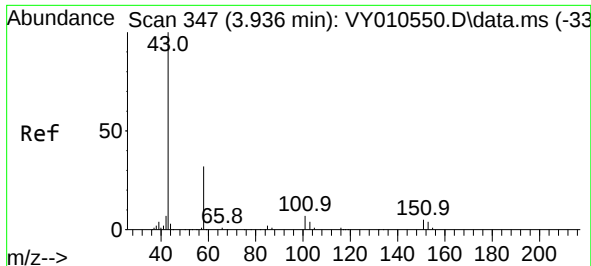
Tgt Ion:168 Resp: 188854
Ion Ratio Lower Upper
168 100
99 56.2 46.9 70.3



#11
Tert butyl alcohol
Concen: 718.383 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion: 59 Resp: 112738
Ion Ratio Lower Upper
59 100
57 10.3 6.4 9.6#





#16

Acetone

Concen: 242.485 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY010565.D

Acq: 19 Sep 2022 20:45

Instrument :

MSVOA_Y

ClientSampleId :

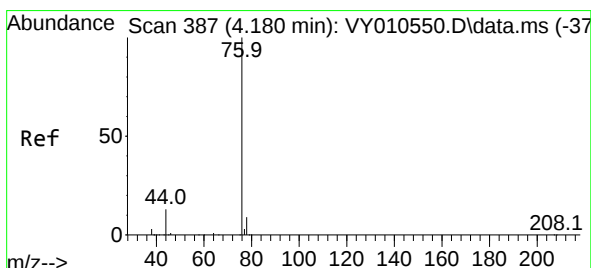
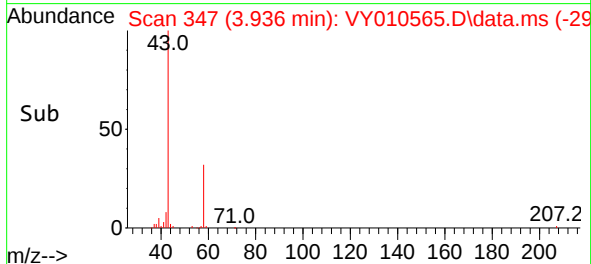
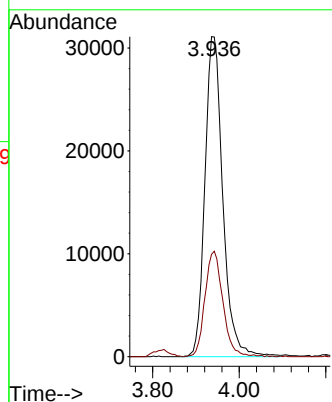
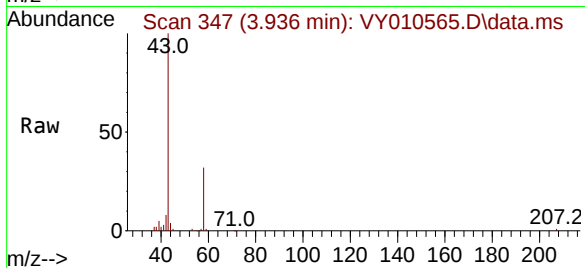
A1-8-17.5

Tgt Ion: 43 Resp: 89322

Ion Ratio Lower Upper

43 100

58 31.8 22.0 33.0



#17

Carbon Disulfide

Concen: 1.840 ug/l

RT: 4.180 min Scan# 387

Delta R.T. -0.000 min

Lab File: VY010565.D

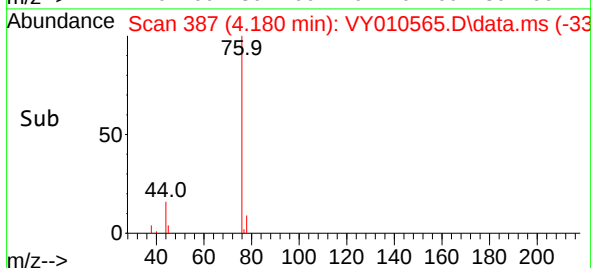
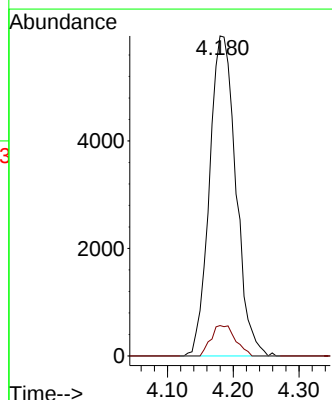
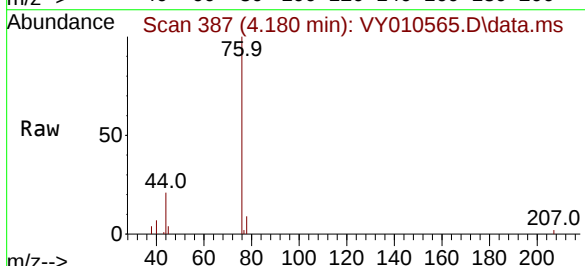
Acq: 19 Sep 2022 20:45

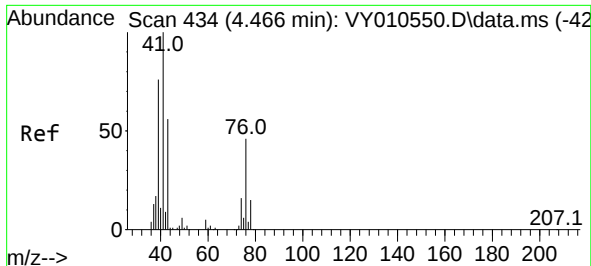
Tgt Ion: 76 Resp: 16680

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

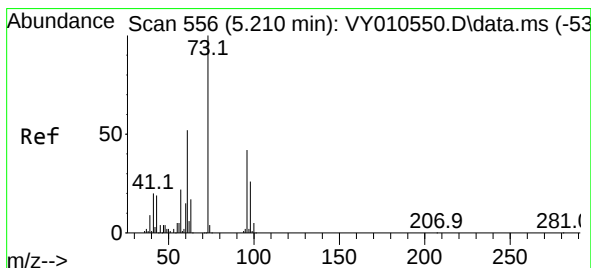
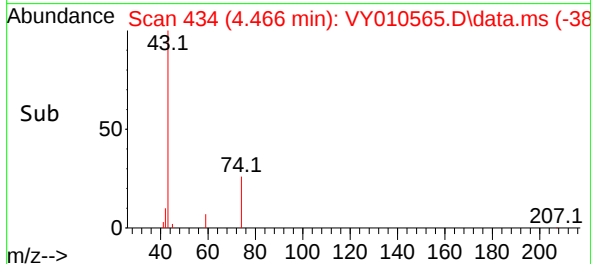
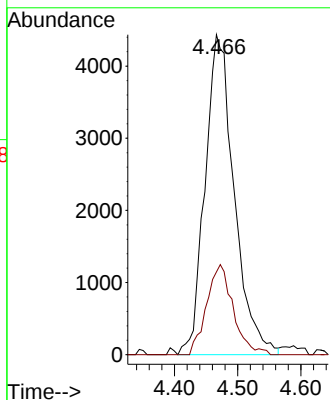
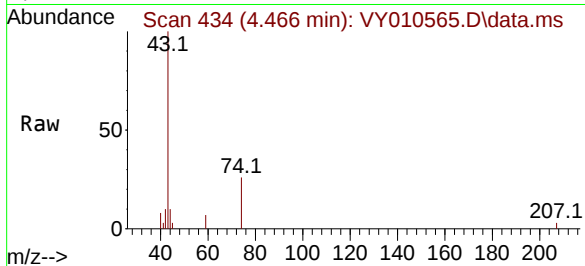




#18
Methyl Acetate
Concen: 12.061 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

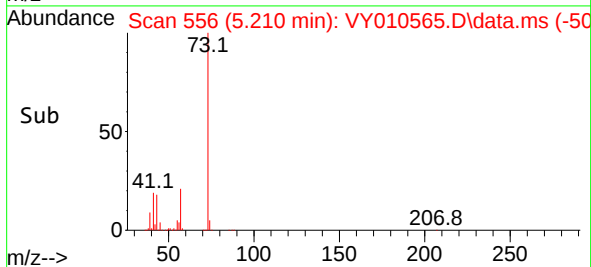
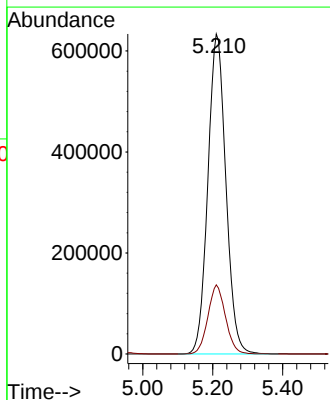
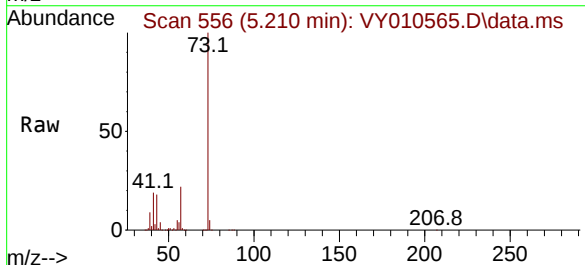
Instrument :
MSVOA_Y
ClientSampleId :
A1-8-17.5

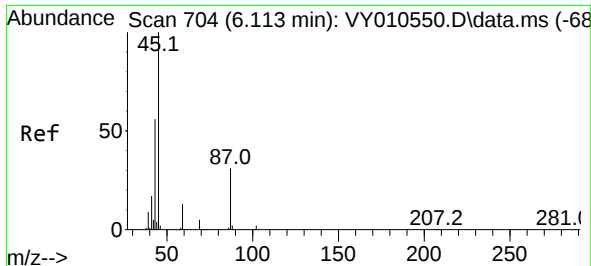
Tgt Ion: 43 Resp: 14200
Ion Ratio Lower Upper
43 100
74 25.7 16.6 24.8#



#19
Methyl tert-butyl Ether
Concen: 544.764 ug/l
RT: 5.210 min Scan# 556
Delta R.T. 0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion: 73 Resp: 2264949
Ion Ratio Lower Upper
73 100
57 21.6 18.6 27.8

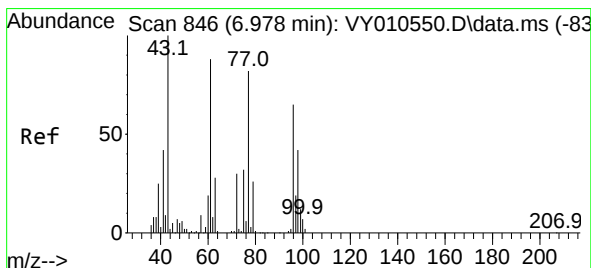
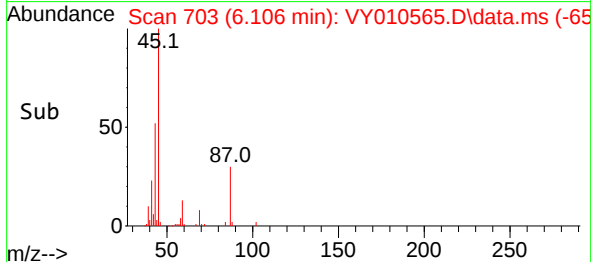
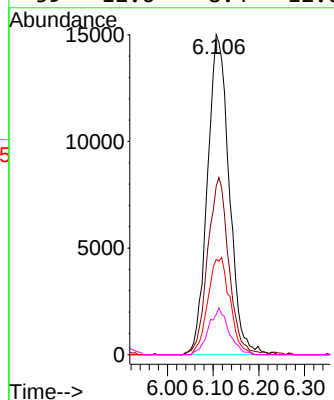
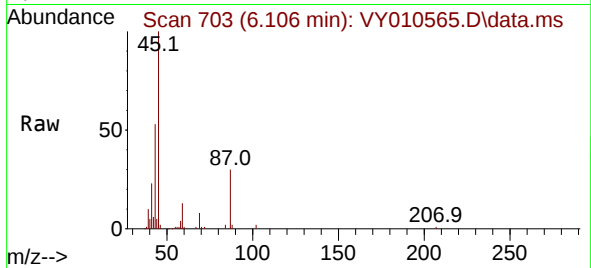




#22
Diisopropyl ether
Concen: 10.457 ug/l
RT: 6.106 min Scan# 704
Delta R.T. -0.007 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

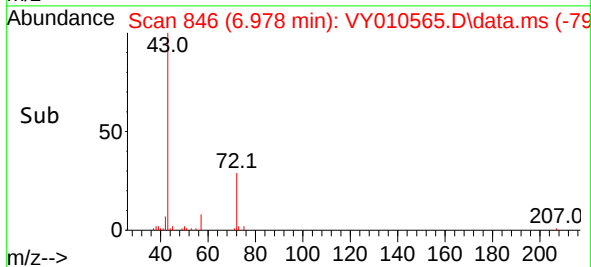
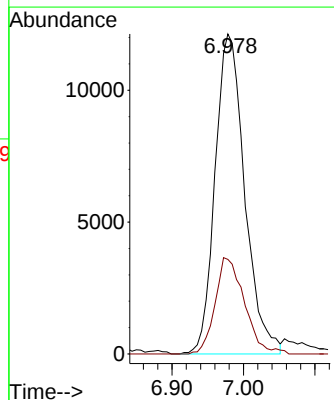
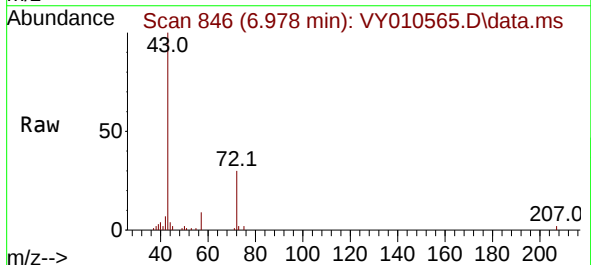
Instrument :
MSVOA_Y
ClientSampleId :
A1-8-17.5

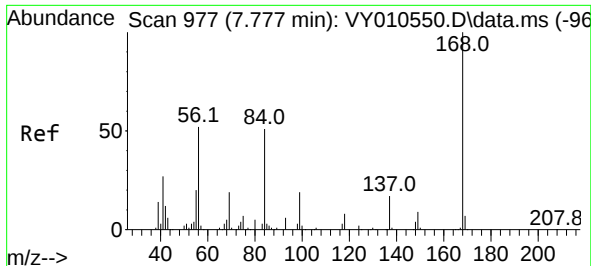
Tgt Ion: 45	Resp: 49628
Ion Ratio	Lower Upper
45 100	
43 52.6	49.3 73.9
87 29.8	19.2 28.8
59 12.6	8.4 12.6



#25
2-Butanone
Concen: 60.531 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion: 43	Resp: 34876
Ion Ratio	Lower Upper
43 100	
72 29.5	17.7 26.5

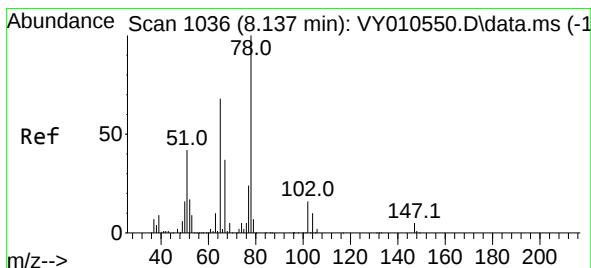
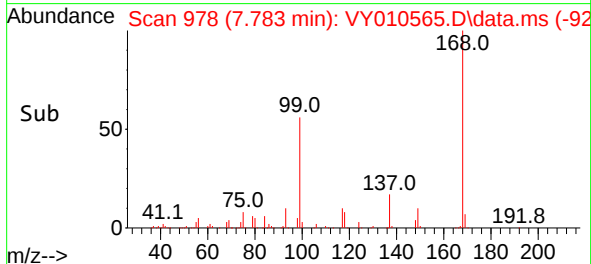
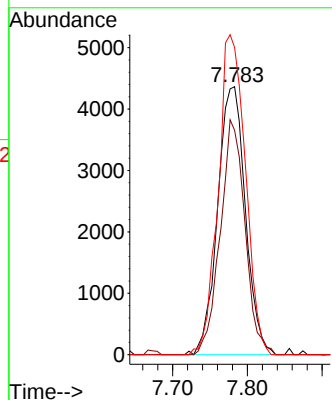
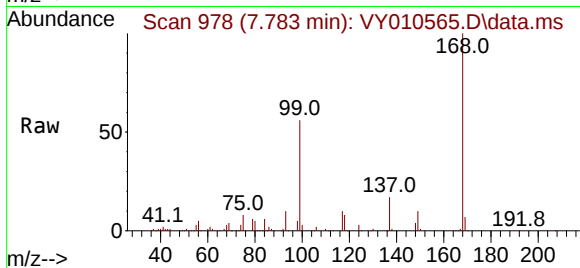




#31
Cyclohexane
Concen: 2.113 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

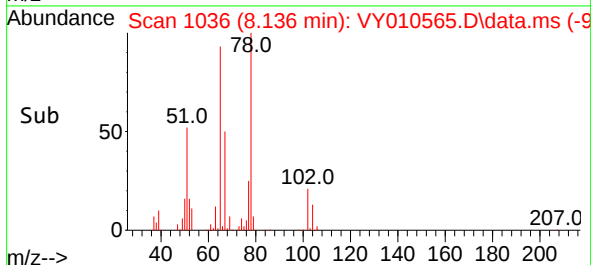
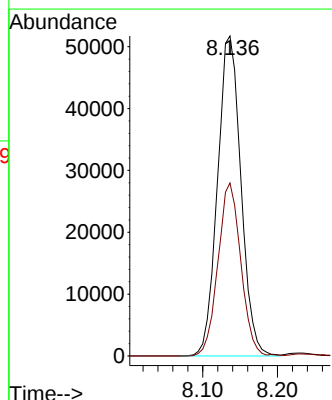
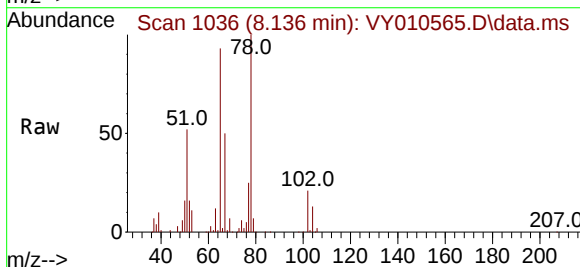
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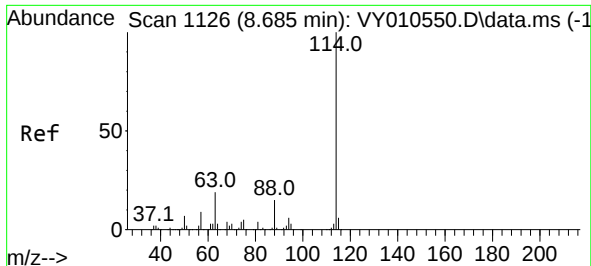
Tgt Ion: 56 Resp: 11264
Ion Ratio Lower Upper
56 100
69 83.7 26.7 40.1#
84 114.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.504 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion: 65 Resp: 112903
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4

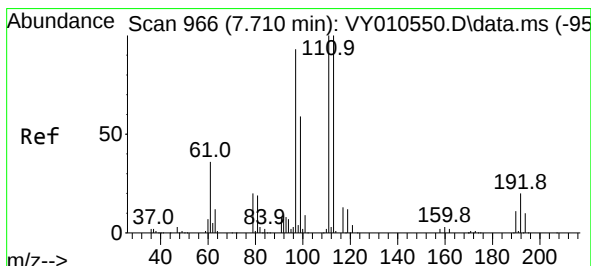
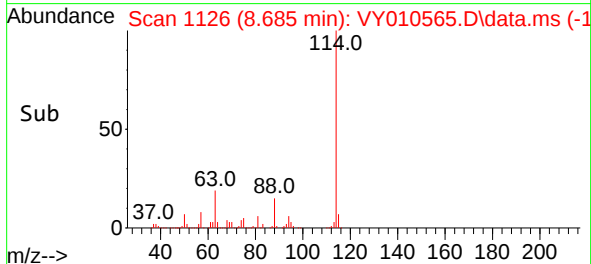
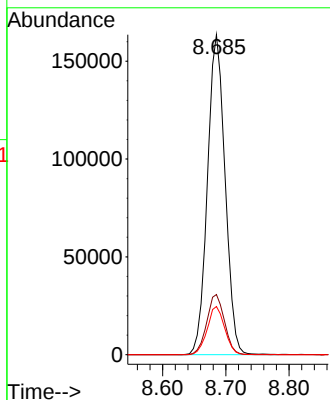
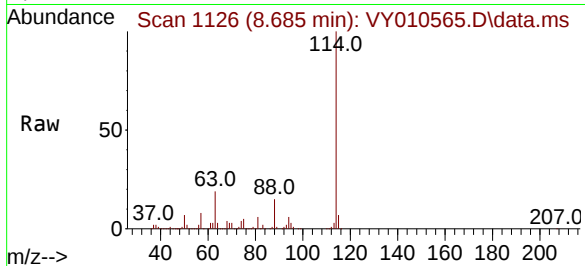




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

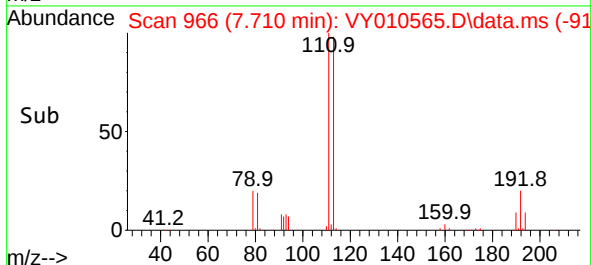
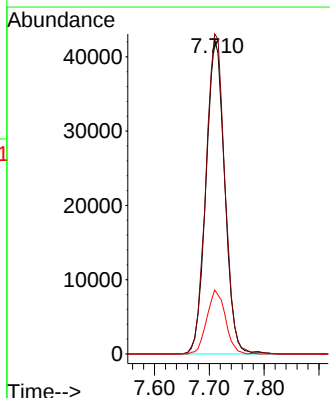
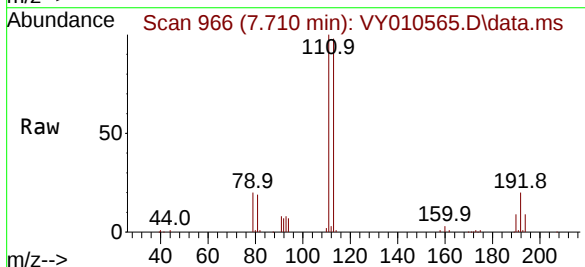
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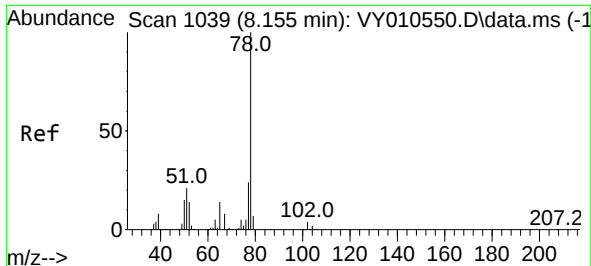
Tgt Ion:114 Resp: 316462
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.2
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.451 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion:113 Resp: 99875
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 20.2 17.6 26.4

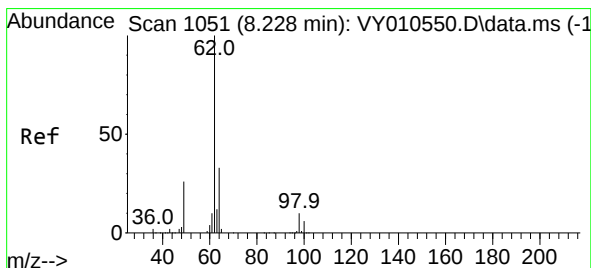
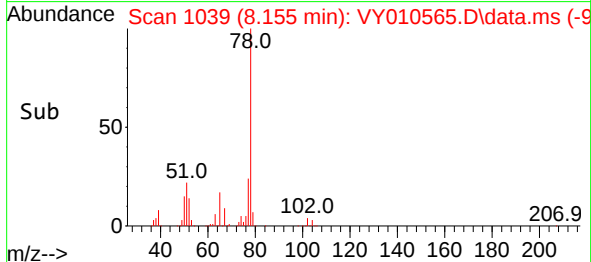
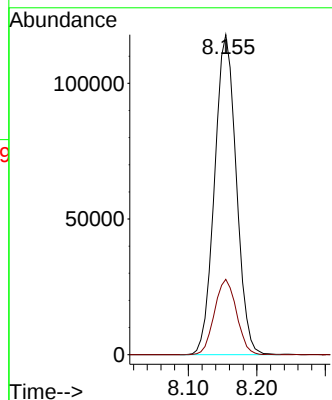
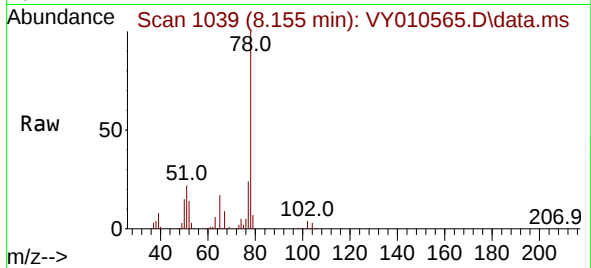




#40
Benzene
Concen: 38.616 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

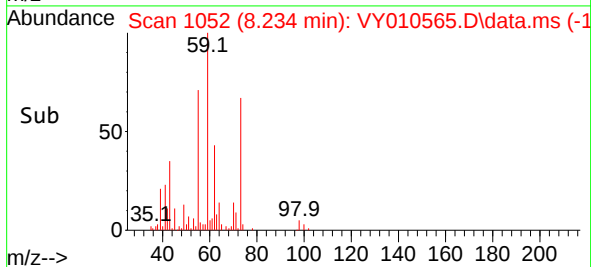
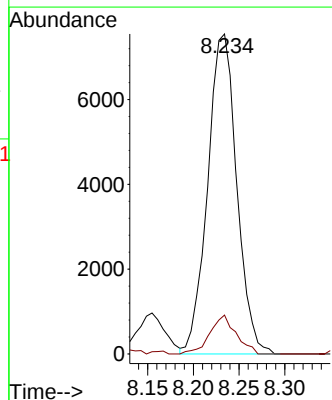
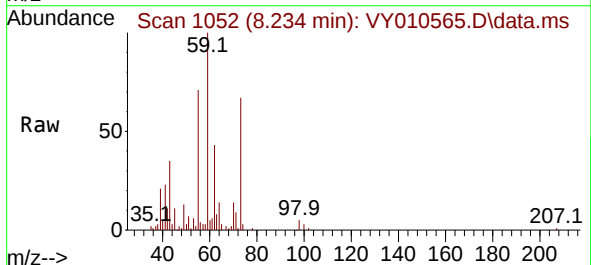
Instrument :
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ClientSampleId :
A1-8-17.5

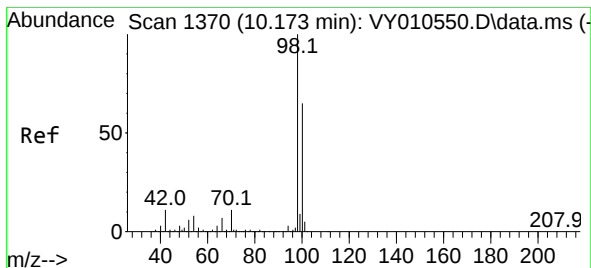
Tgt Ion: 78 Resp: 259059
Ion Ratio Lower Upper
78 100
77 23.5 20.4 30.6



#42
1,2-Dichloroethane
Concen: 8.103 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion: 62 Resp: 16739
Ion Ratio Lower Upper
62 100
98 10.9 0.0 14.8

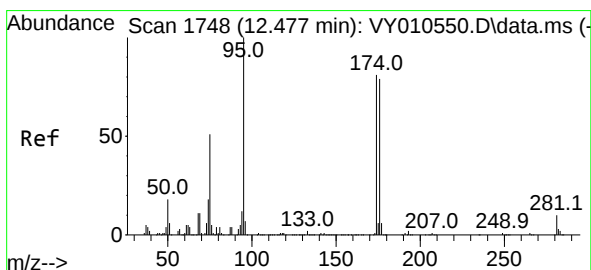
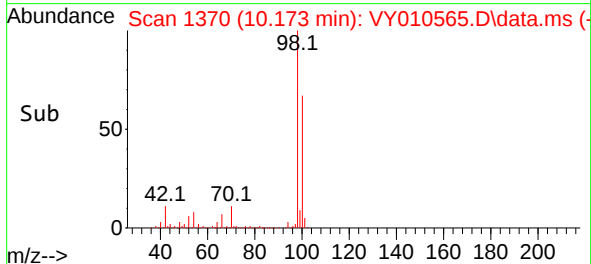
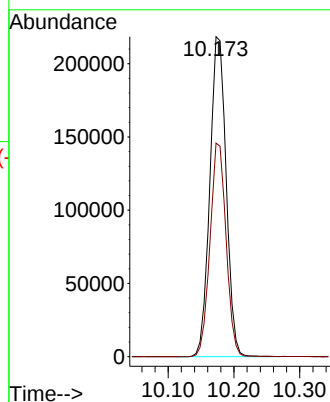
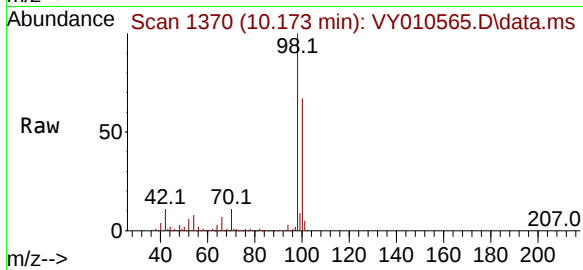




#50
Toluene-d8
Concen: 50.521 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

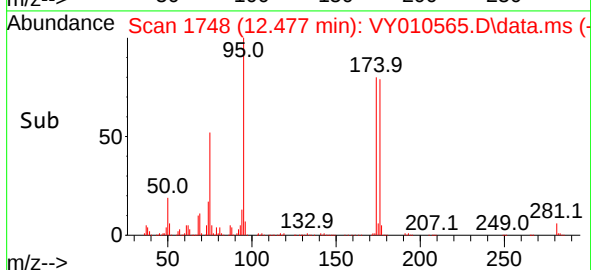
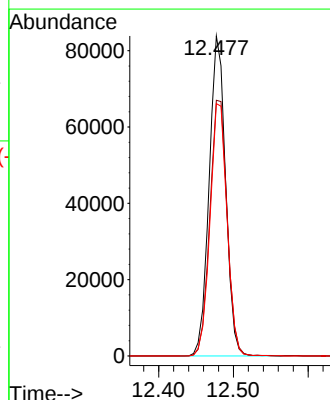
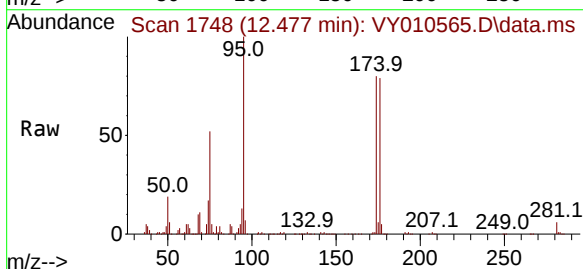
Instrument :
MSVOA_Y
ClientSampleId :
A1-8-17.5

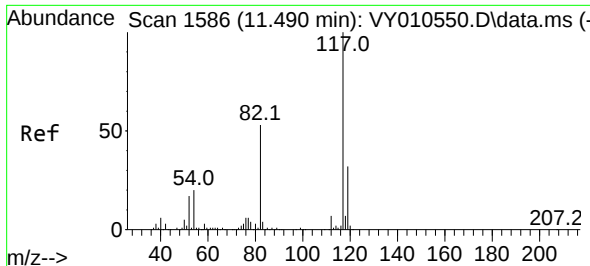
Tgt Ion: 98 Resp: 377356
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.881 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion: 95 Resp: 127715
Ion Ratio Lower Upper
95 100
174 84.5 0.0 177.0
176 81.8 0.0 175.8

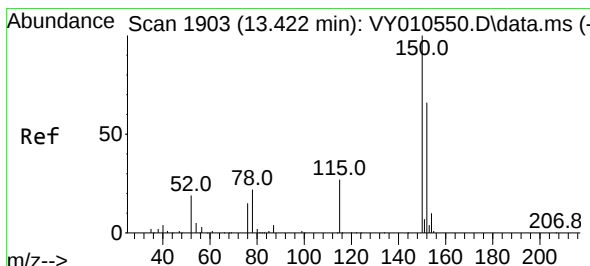
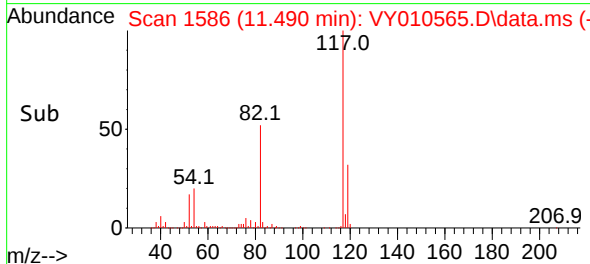
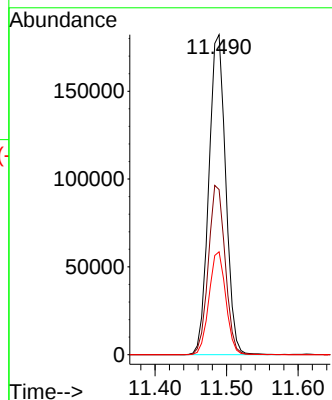
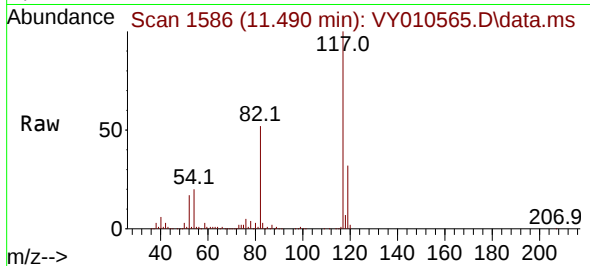




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010565.D
Acq: 19 Sep 2022 20:45

Instrument :
MSVOA_Y
ClientSampleId :
A1-8-17.5

Tgt Ion:117 Resp: 298456
Ion Ratio Lower Upper
117 100
82 51.6 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: VY010565.D
Acq: 19 Sep 2022 20:45

Tgt Ion:152 Resp: 131688
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 158.7 0.0 347.6

