

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010580.D
 Acq On : 20 Sep 2022 17:10
 Operator : KP/MD
 Sample : N4697-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:21:29 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	187918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	327129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	311392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144216	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	105385	58.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.260%	
35) Dibromofluoromethane	7.709	113	101481	48.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.220%	
50) Toluene-d8	10.179	98	389732	50.479	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.960%	
62) 4-Bromofluorobenzene	12.477	95	133036	46.256	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.520%	

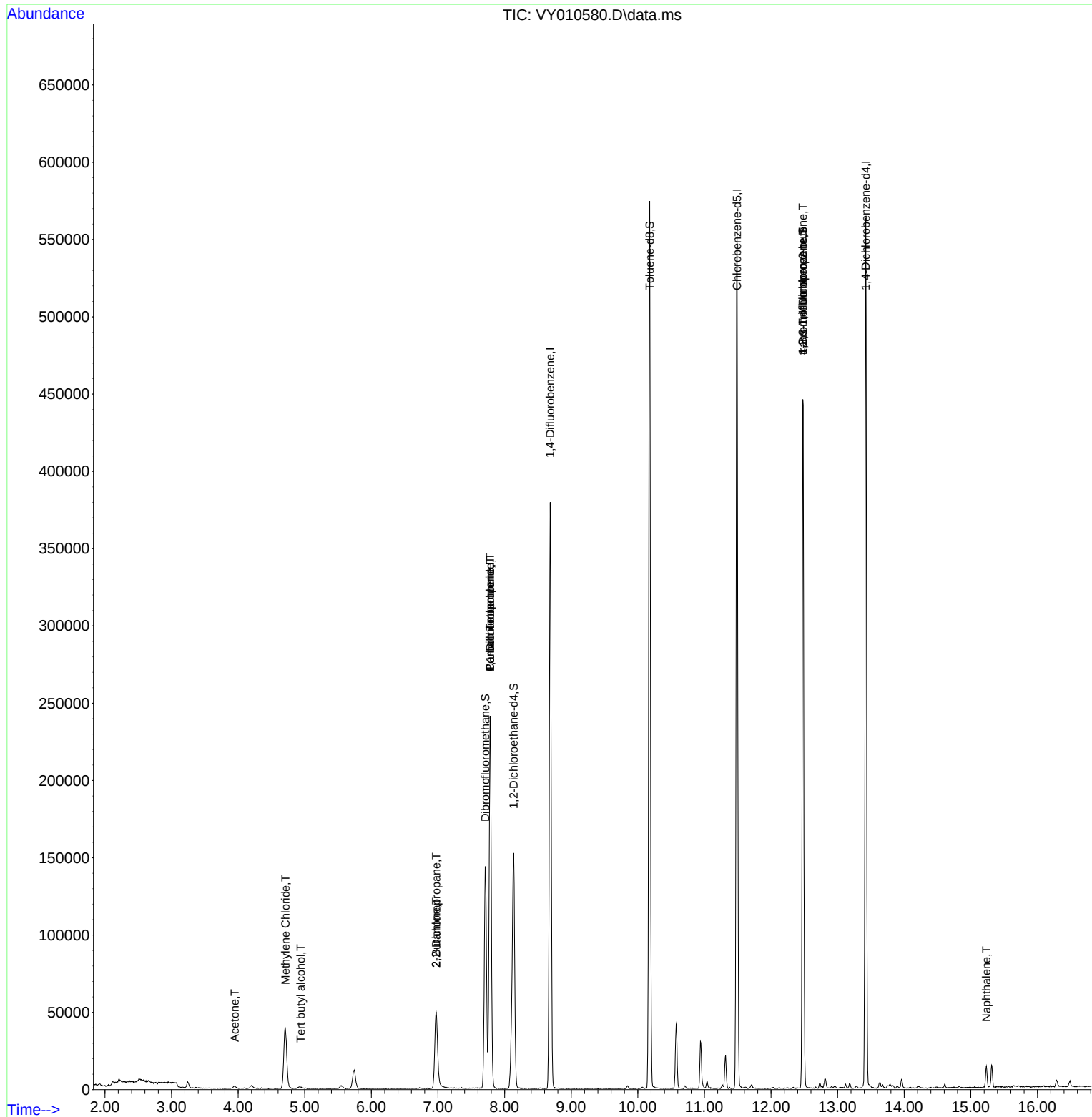
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	537	Below Cal		76
3) Chloromethane	2.113	50	672	Below Cal	#	84
4) Vinyl Chloride	2.290	62	19	Below Cal	#	43
5) Bromomethane	2.649	94	291	Below Cal	#	56
11) Tert butyl alcohol	4.942	59	1981	1.207	ug/l #	81
16) Acetone	3.948	43	2642	7.208	ug/l #	86
17) Carbon Disulfide	4.192	76	24	Below Cal	#	75
18) Methyl Acetate	4.497	43	49	Below Cal	#	56
20) Methylene Chloride	4.710	84	31404	5.553	ug/l #	81
25) 2-Butanone	6.972	43	2521	4.397	ug/l #	87
26) 2,2-Dichloropropane	6.972	77	3766	1.382	ug/l #	55
31) Cyclohexane	7.783	56	3728	Below Cal	#	3
36) 1,1-Dichloropropene	7.783	75	14589	6.272	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18648	6.972	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	68675	49.893	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	68675	110.934	ug/l #	7
95) Naphthalene	15.232	128	11768	2.497	ug/l	98

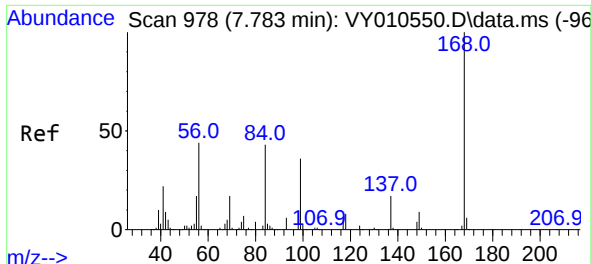
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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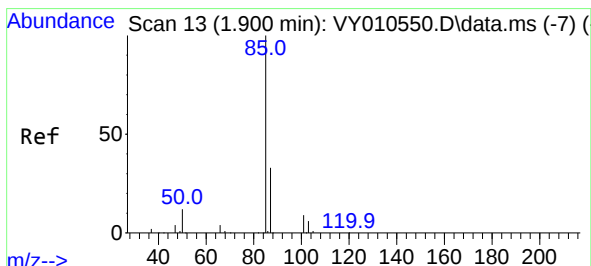
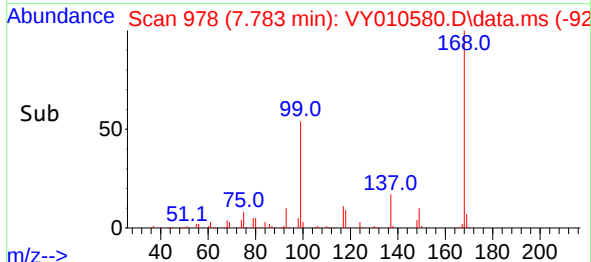
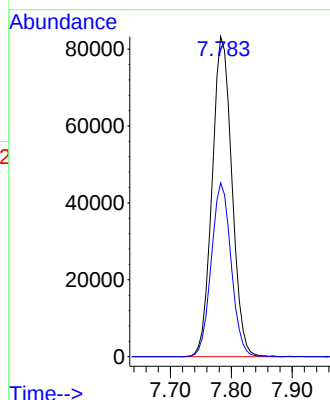
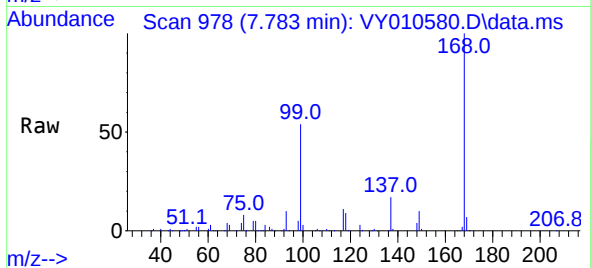




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

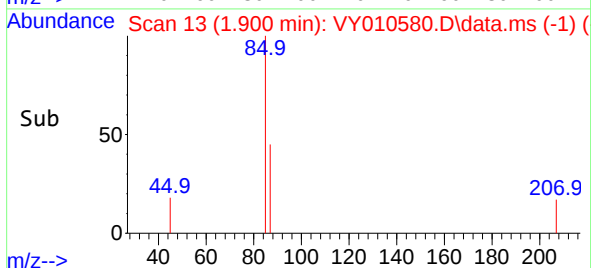
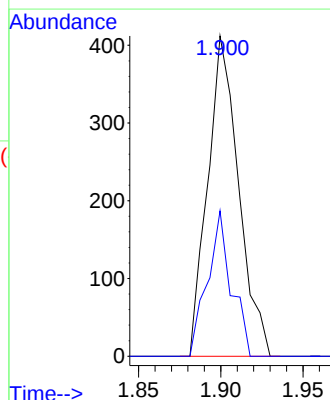
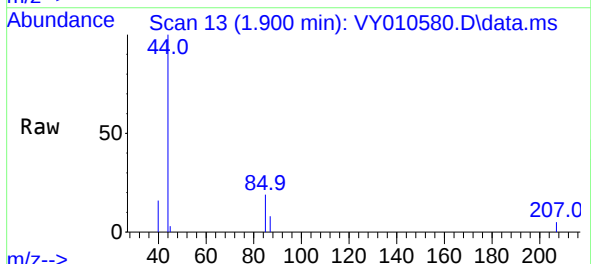
Instrument :
MSVOA_Y
ClientSampleId :

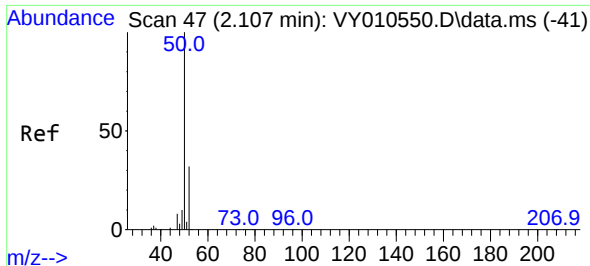
Tgt Ion:168 Resp: 187918
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion: 85 Resp: 537
Ion Ratio Lower Upper
85 100
87 45.4 16.1 48.2

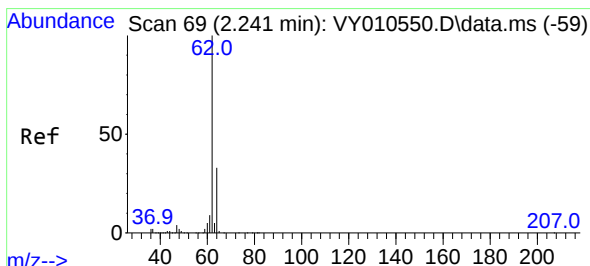
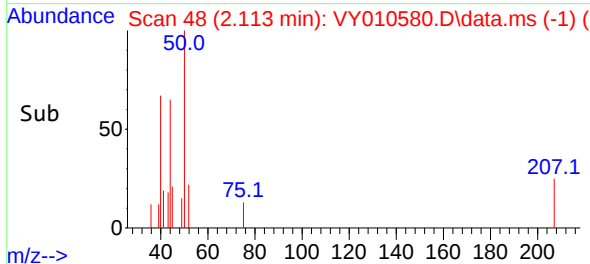
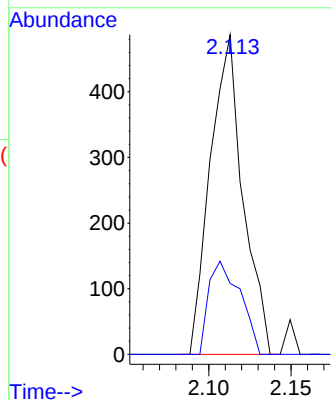
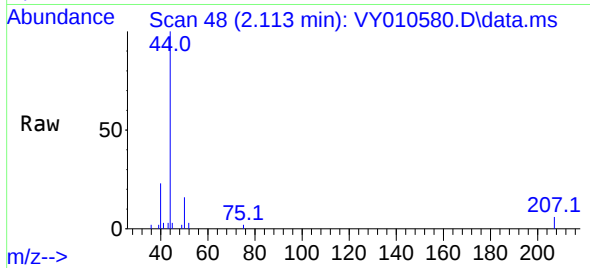




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

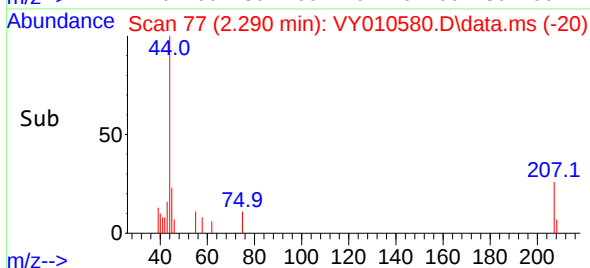
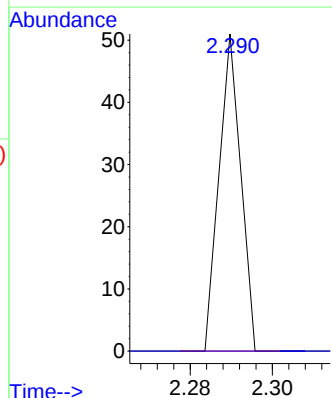
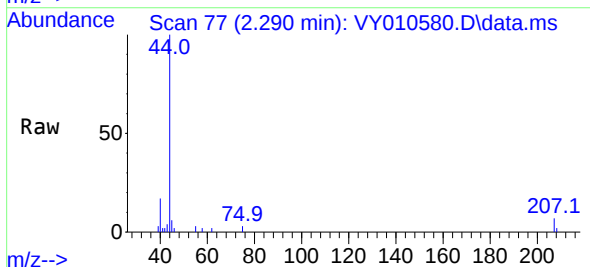
Instrument :
MSVOA_Y
ClientSampleId :

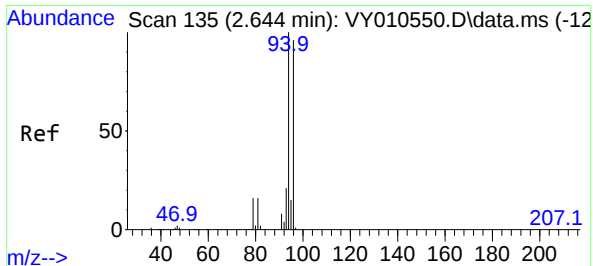
Tgt Ion: 50 Resp: 672
Ion Ratio Lower Upper
50 100
52 22.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.290 min Scan# 77
Delta R.T. 0.049 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

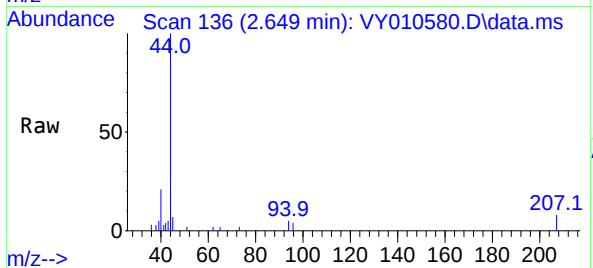
Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



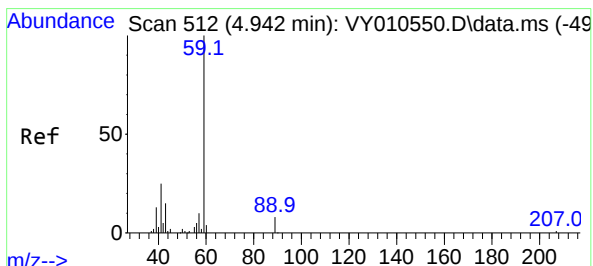
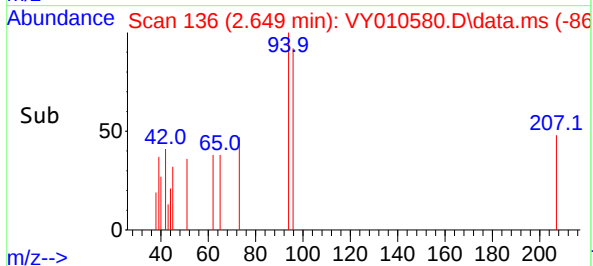
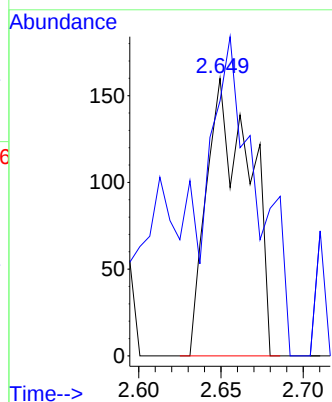


#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

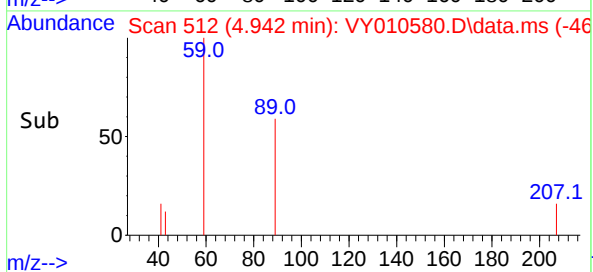
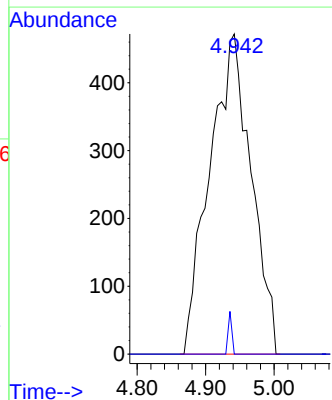
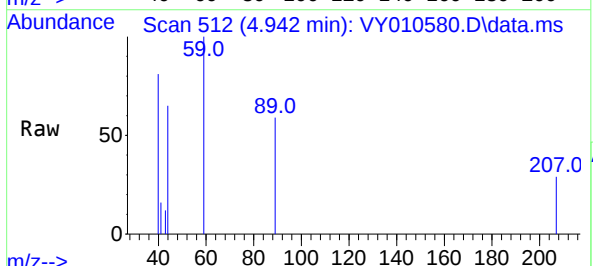


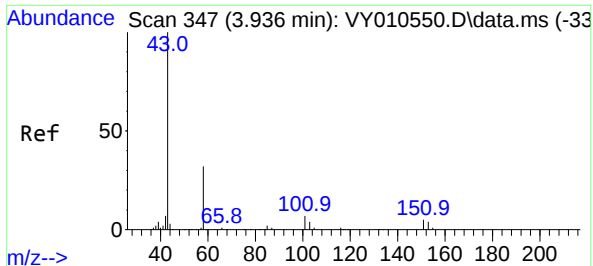
Tgt Ion: 94 Resp: 291
Ion Ratio Lower Upper
94 100
96 50.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 1.207 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion: 59 Resp: 1981
Ion Ratio Lower Upper
59 100
57 1.2 6.4 9.6#

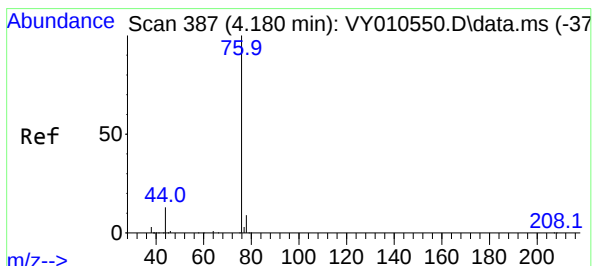
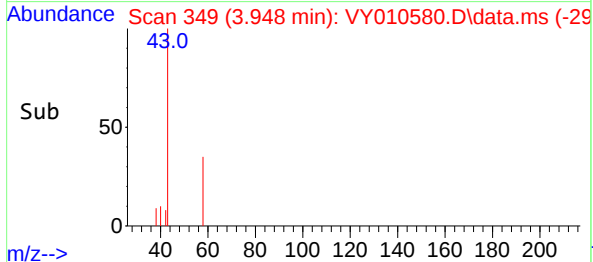
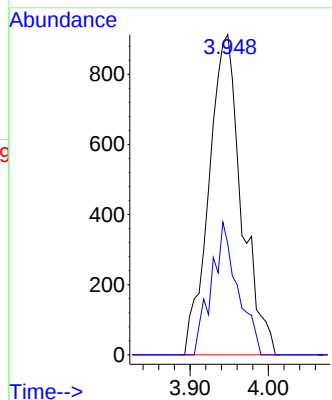
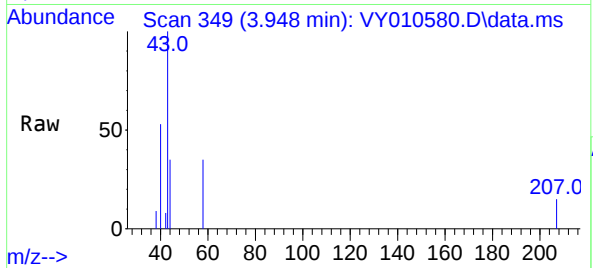




#16
Acetone
Concen: 7.208 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

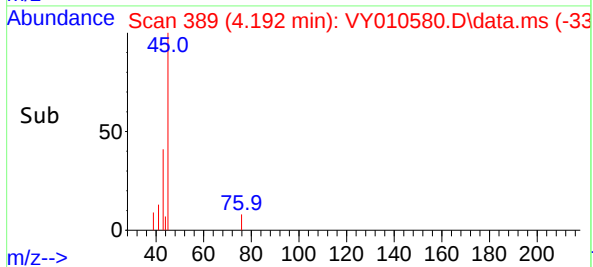
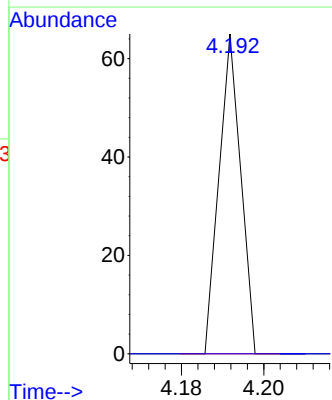
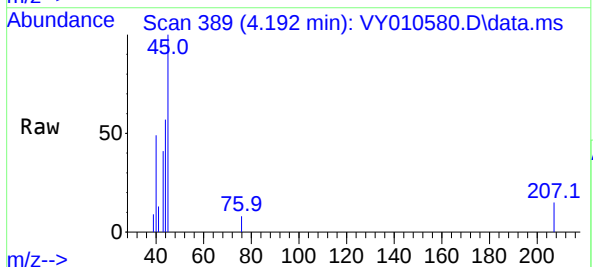
Instrument :
MSVOA_Y
ClientSampleId :

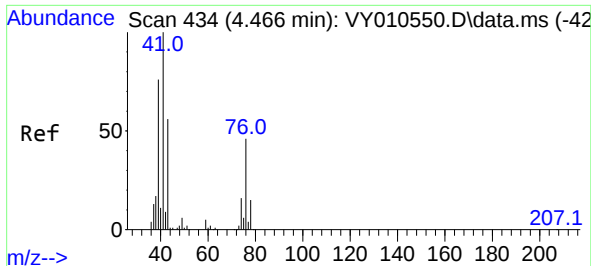
Tgt Ion: 43 Resp: 2642
Ion Ratio Lower Upper
43 100
58 34.7 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion: 76 Resp: 24
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

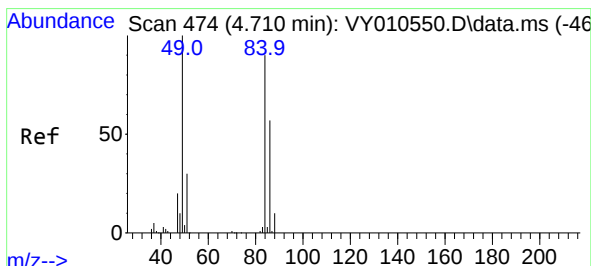
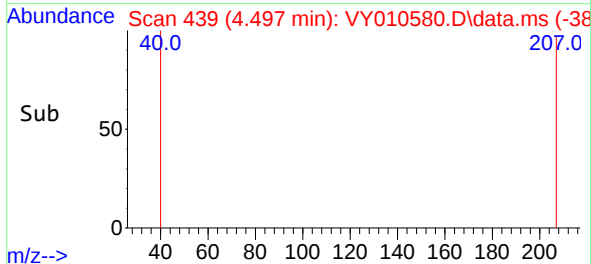
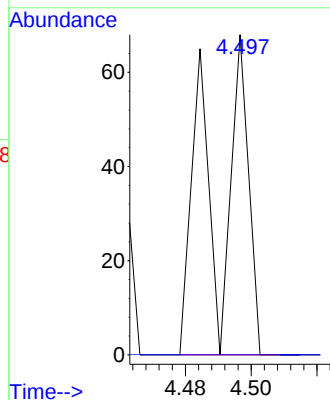
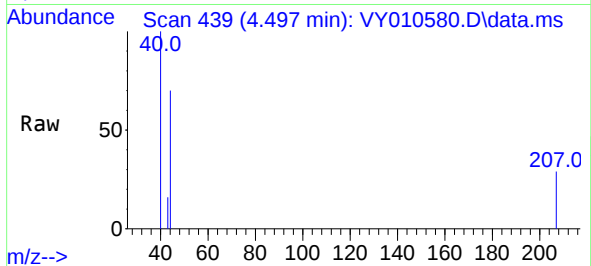




#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.031 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

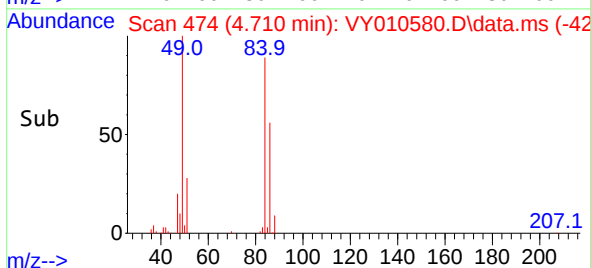
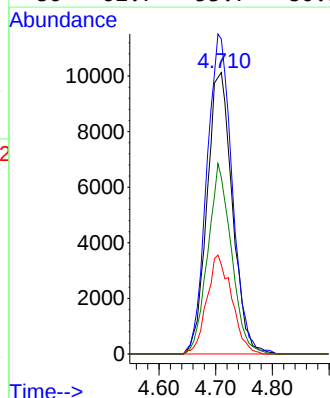
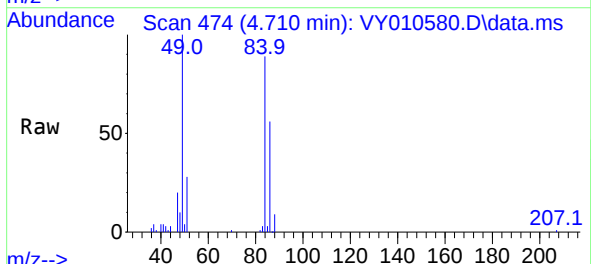
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MSVOA_Y
ClientSampleId :

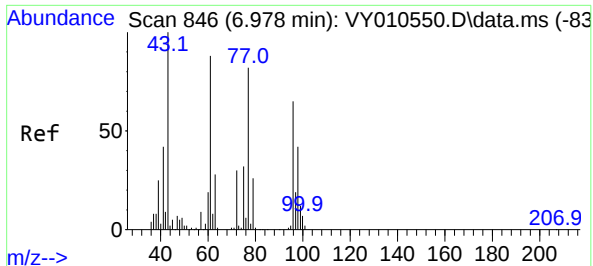
Tgt Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 5.553 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.000 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion: 84 Resp: 31404
Ion Ratio Lower Upper
84 100
49 111.9 114.4 171.6#
51 31.7 35.3 52.9#
86 62.7 53.7 80.5





#25

2-Butanone

Concen: 4.397 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

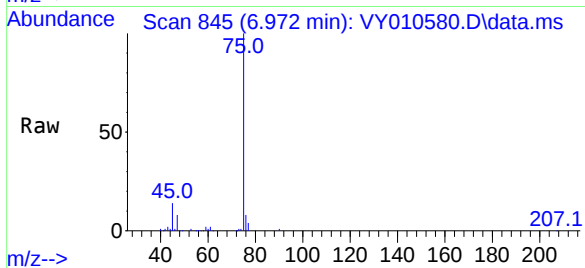
Lab File: VY010580.D

Acq: 20 Sep 2022 17:10

Instrument :

MSVOA_Y

ClientSampleId :

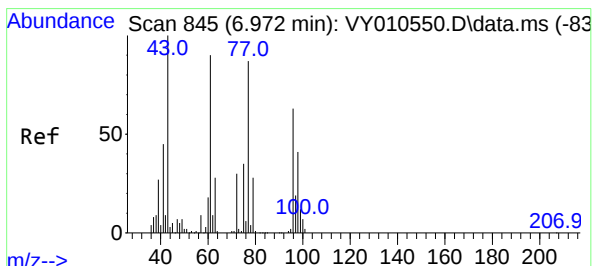
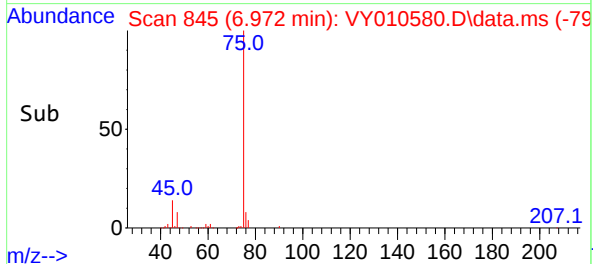
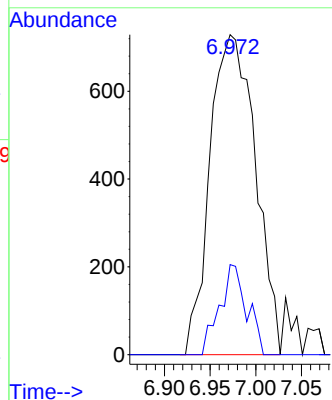


Tgt Ion: 43 Resp: 2521

Ion Ratio Lower Upper

43 100

72 28.1 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.382 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010580.D

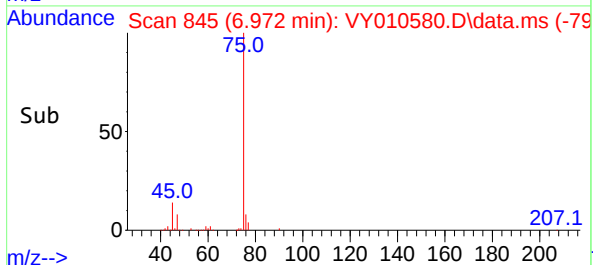
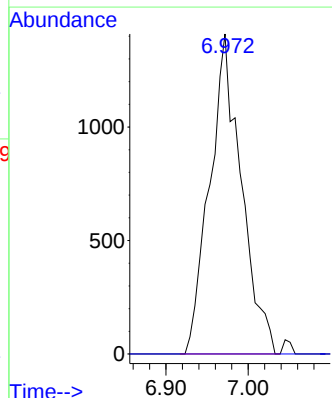
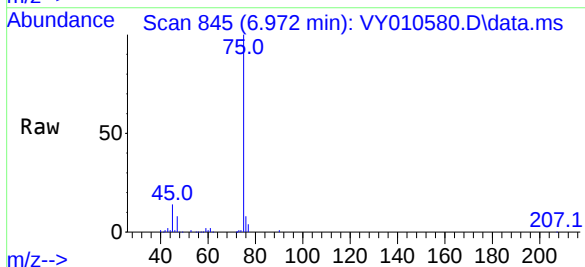
Acq: 20 Sep 2022 17:10

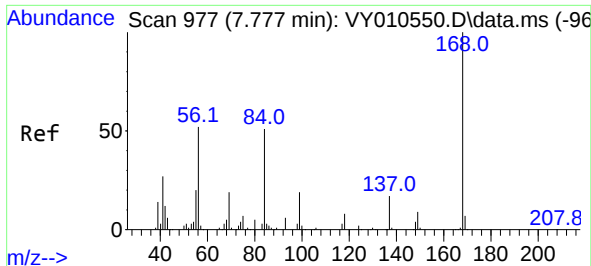
Tgt Ion: 77 Resp: 3766

Ion Ratio Lower Upper

77 100

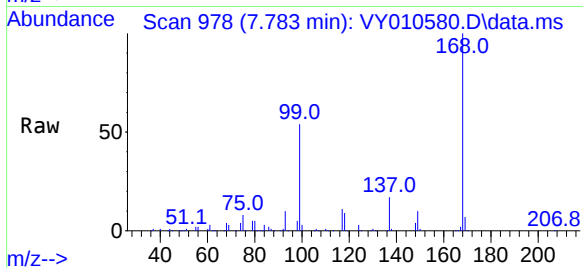
97 0.0 10.4 31.4#



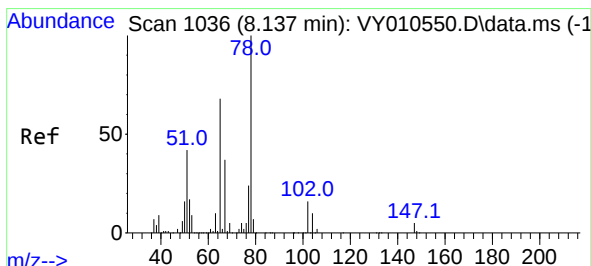
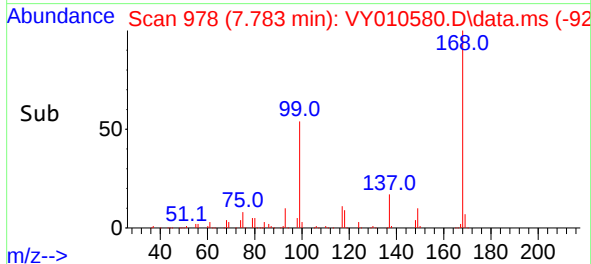
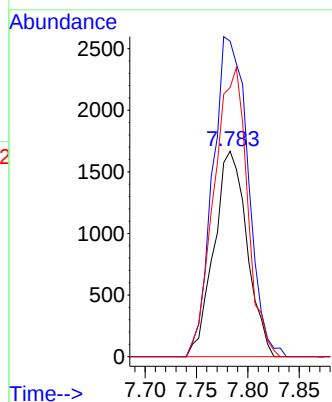


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

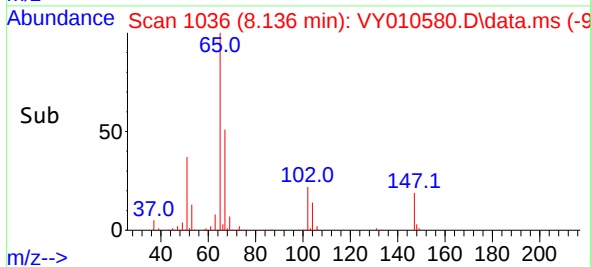
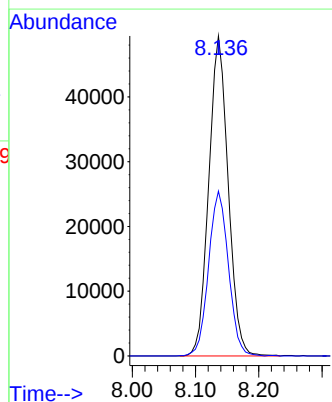
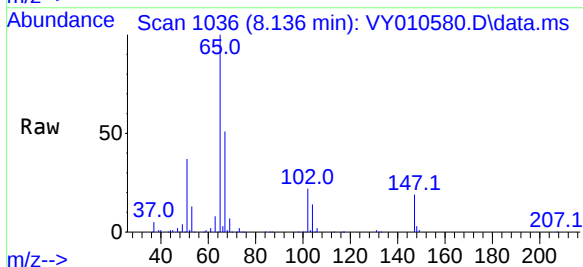


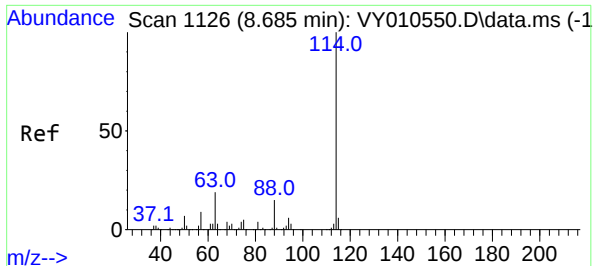
Tgt Ion: 56 Resp: 3728
Ion Ratio Lower Upper
56 100
69 153.6 26.7 40.1#
84 131.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.632 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion: 65 Resp: 105385
Ion Ratio Lower Upper
65 100
67 52.8 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: VY010580.D

Acq: 20 Sep 2022 17:10

Instrument :

MSVOA_Y

ClientSampleId :

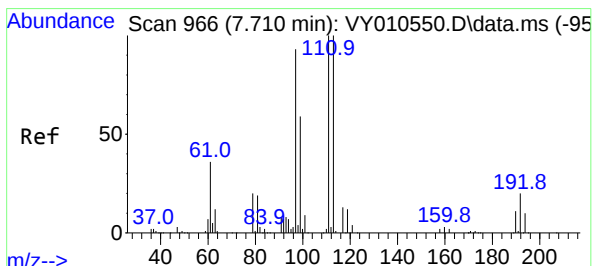
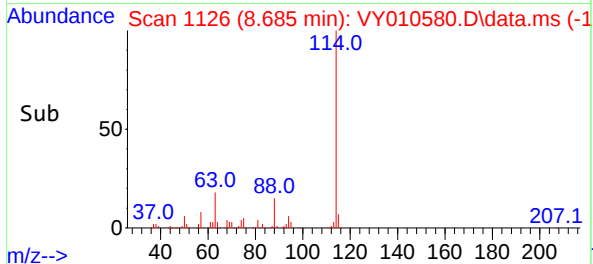
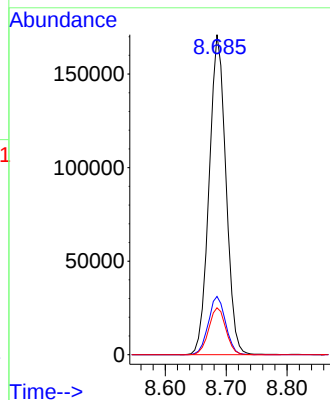
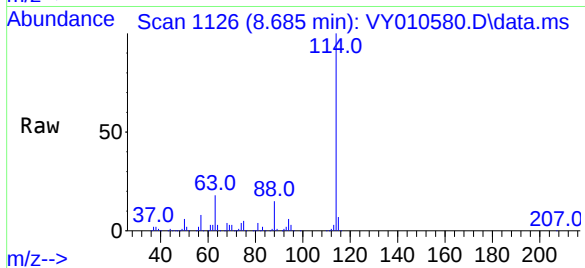
Tgt Ion:114 Resp: 327129

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.608 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.001 min

Lab File: VY010580.D

Acq: 20 Sep 2022 17:10

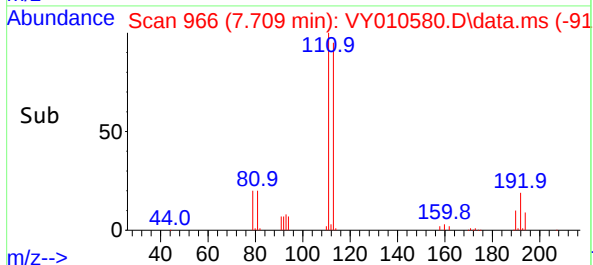
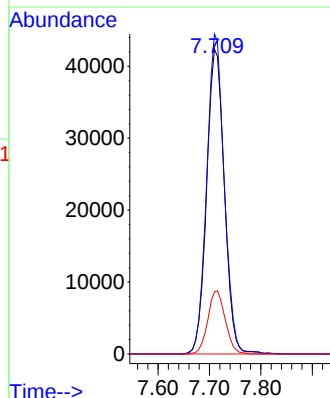
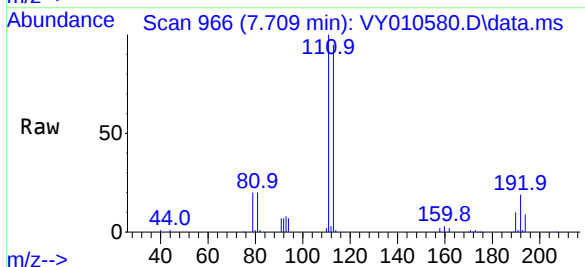
Tgt Ion:113 Resp: 101481

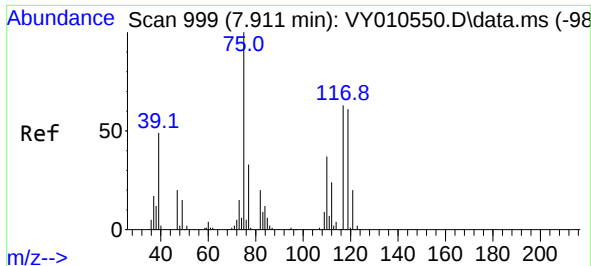
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

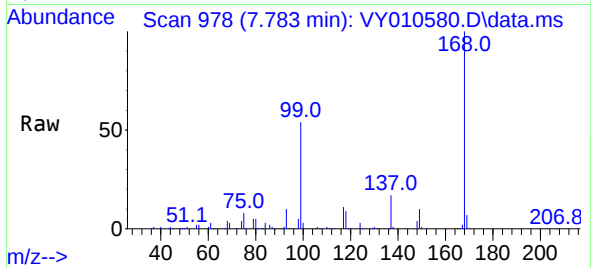
192 20.3 17.6 26.4



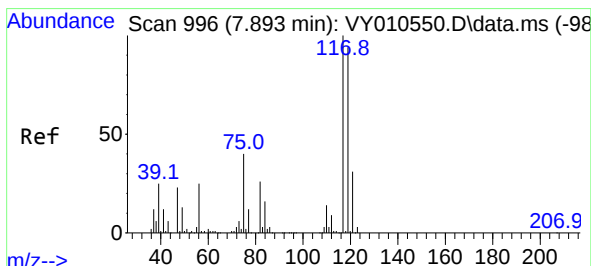
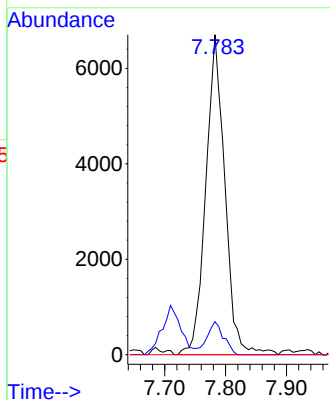
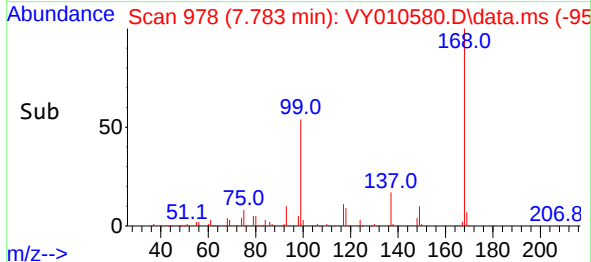


#36
1,1-Dichloropropene
Concen: 6.272 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

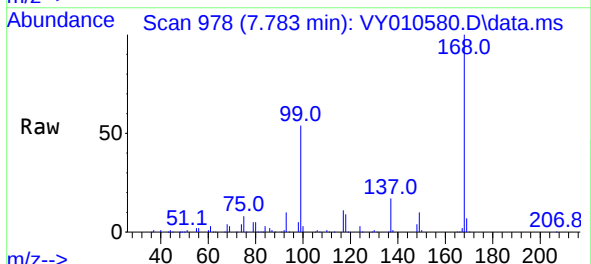
Instrument :
MSVOA_Y
ClientSampleId :



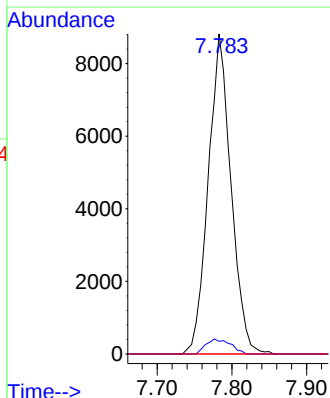
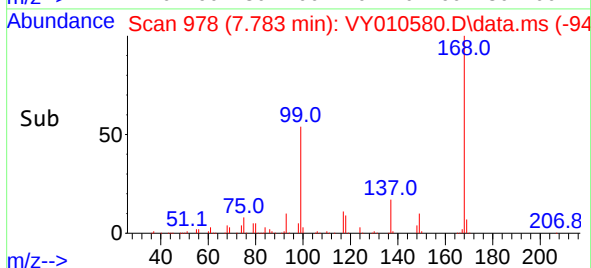
Tgt Ion: 75 Resp: 14589
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#

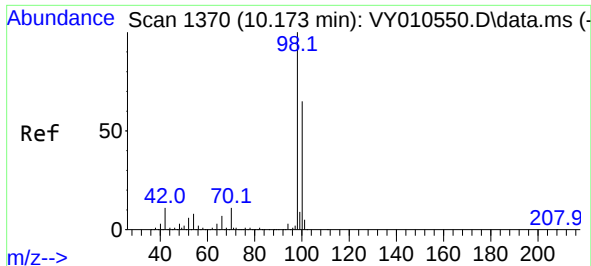


#38
Carbon Tetrachloride
Concen: 6.972 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10



Tgt Ion: 117 Resp: 18648
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#

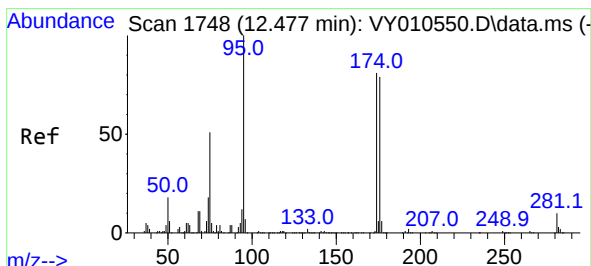
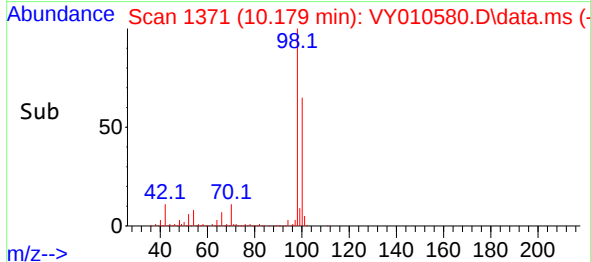
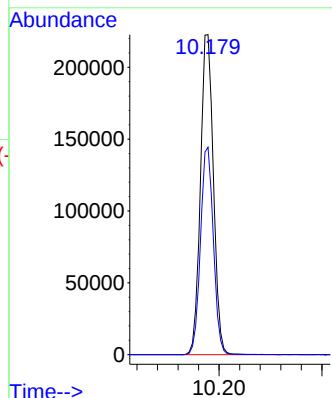
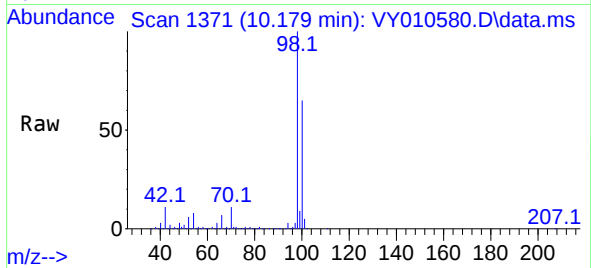




#50
Toluene-d8
Concen: 50.479 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

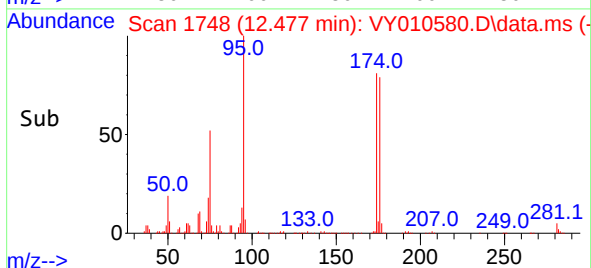
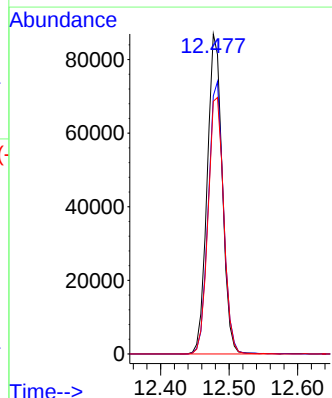
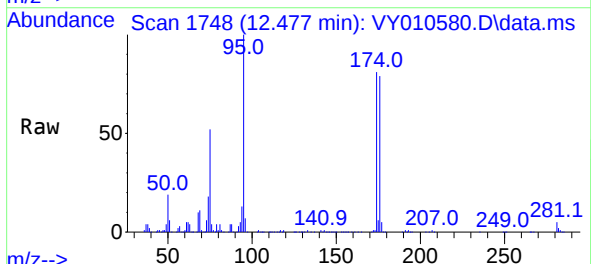
Instrument :
MSVOA_Y
ClientSampleId :

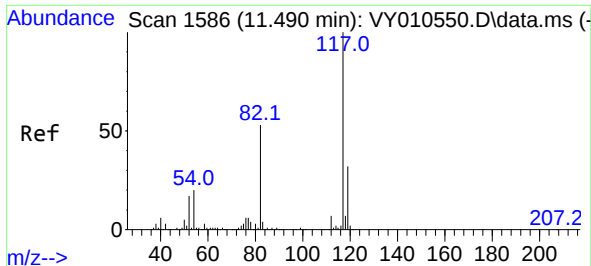
Tgt Ion: 98 Resp: 389732
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.256 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

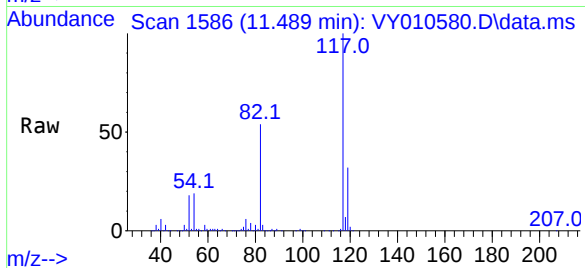
Tgt Ion: 95 Resp: 133036
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 83.1 0.0 175.8



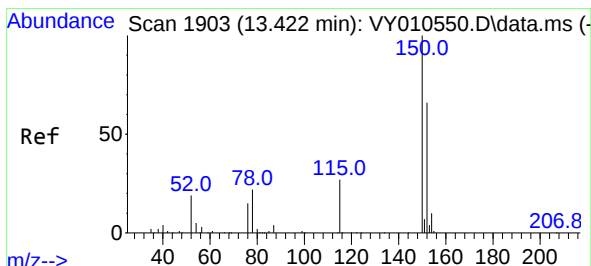
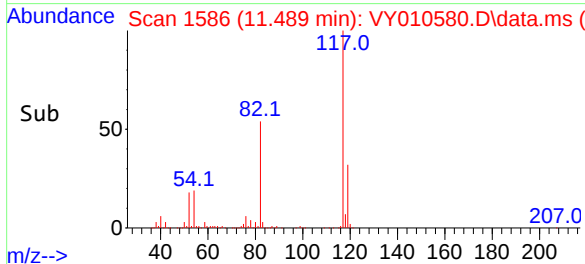
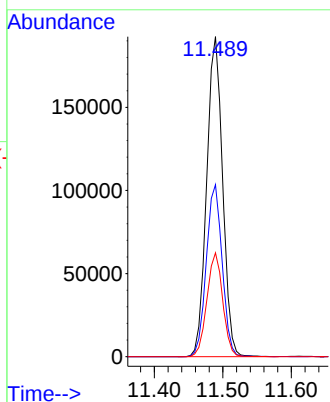


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Instrument :
MSVOA_Y
ClientSampleId :

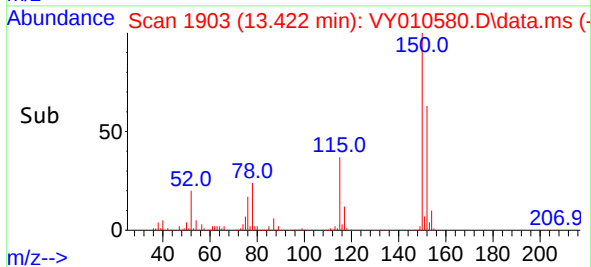
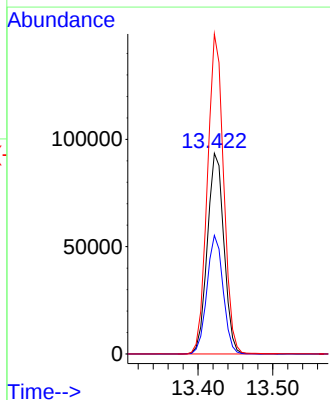
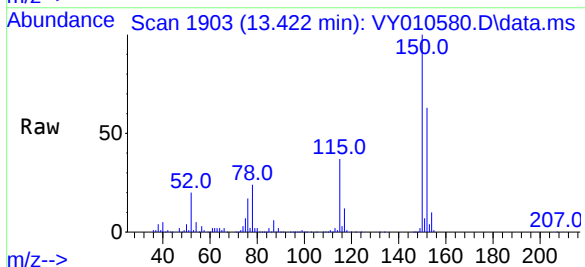


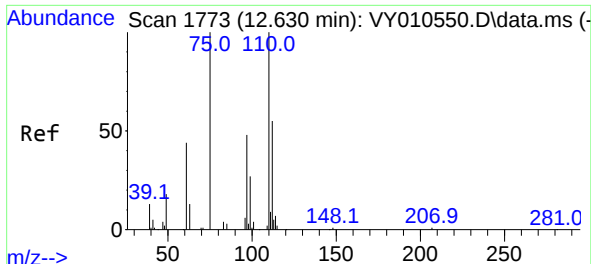
Tgt Ion:117 Resp: 311392
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion:152 Resp: 144216
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 155.9 0.0 347.6

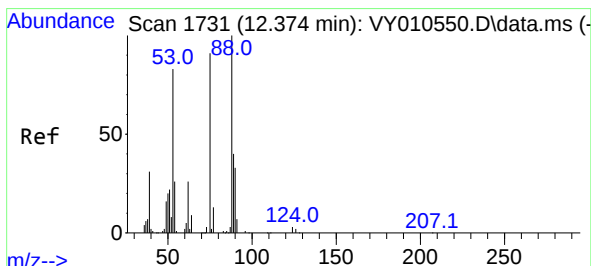
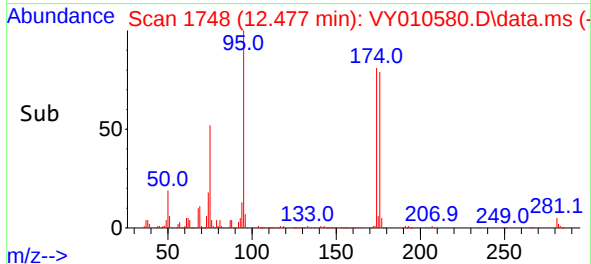
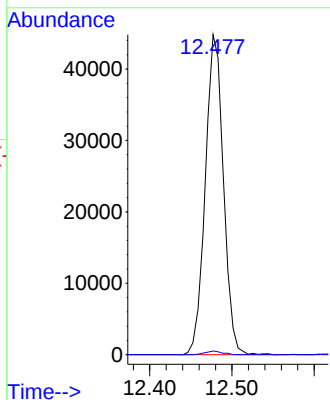
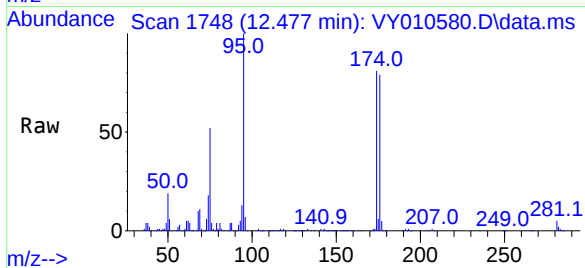




#76
1,2,3-Trichloropropane
Concen: 49.893 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

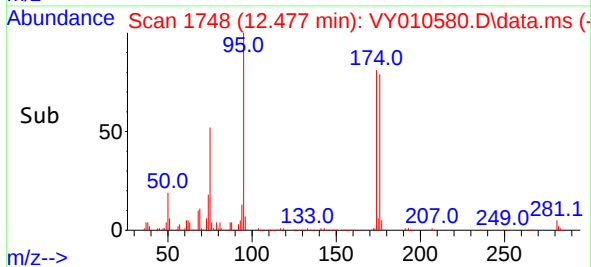
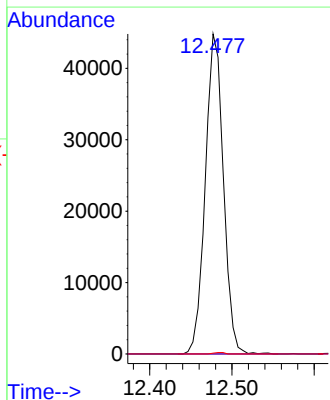
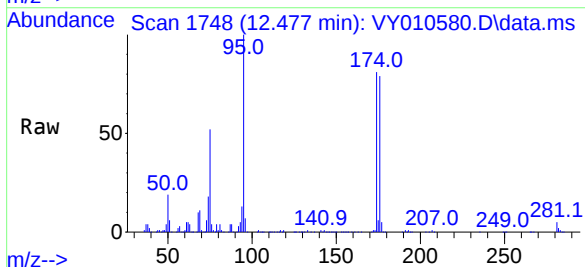
Instrument :
MSVOA_Y
ClientSampleId :

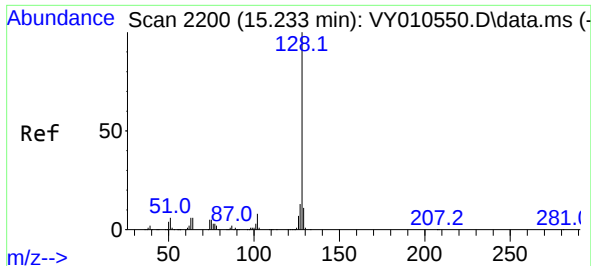
Tgt Ion: 75 Resp: 68675
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.934 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010580.D
Acq: 20 Sep 2022 17:10

Tgt Ion: 75 Resp: 68675
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#





#95

Naphthalene

Concen: 2.497 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.001 min

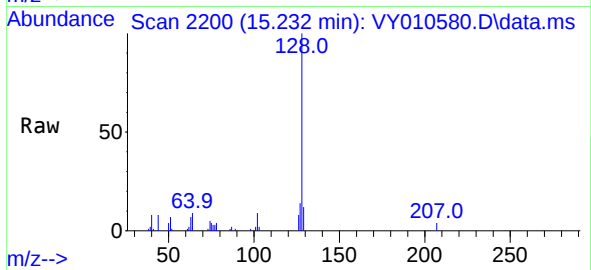
Lab File: VY010580.D

Acq: 20 Sep 2022 17:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 11768

Ion Ratio Lower Upper

128 100

127 12.4 11.0 16.4

129 11.0 8.4 12.6

