

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010574.D
 Acq On : 20 Sep 2022 14:25
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:20:29 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)

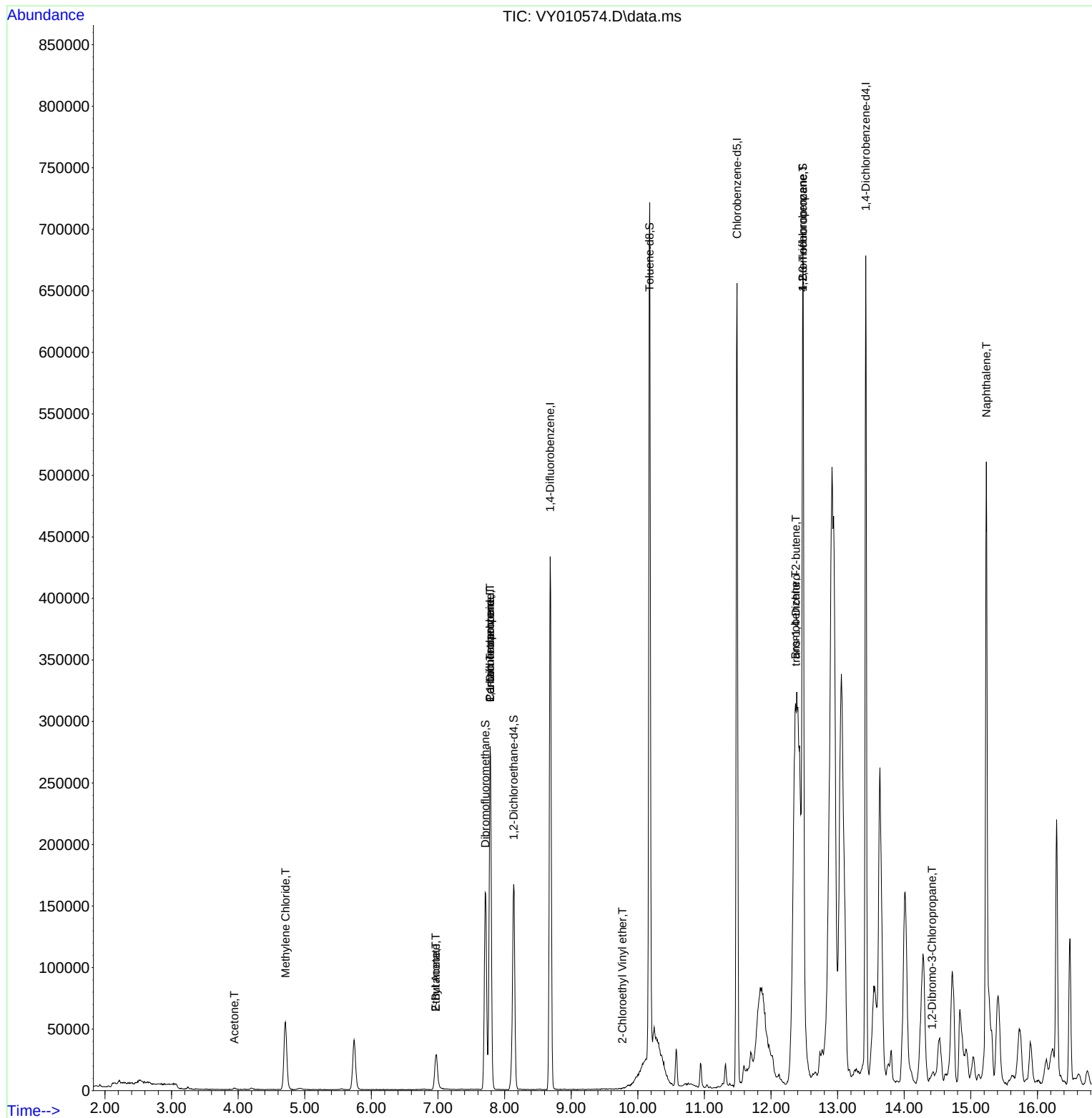
Internal Standards						
1) Pentafluorobenzene	7.783	168	220141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	359226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	175248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125080	59.404	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.800%
35) Dibromofluoromethane	7.710	113	115562	47.721	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.440%
50) Toluene-d8	10.179	98	456950	50.991	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.477	95	165161	49.709	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.420%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	304	Below Cal		91
3) Chloromethane	2.113	50	1059	Below Cal	#	74
4) Vinyl Chloride	2.247	62	45	Below Cal	#	43
5) Bromomethane	2.668	94	490	Below Cal	#	31
11) Tert butyl alcohol	4.930	59	1068	Below Cal	#	77
16) Acetone	3.942	43	1971	4.590	ug/l	97
17) Carbon Disulfide	4.192	76	73	Below Cal	#	75
18) Methyl Acetate	4.497	43	282	Below Cal	#	56
20) Methylene Chloride	4.710	84	42674	8.926	ug/l	86
25) 2-Butanone	6.966	43	1626	2.421	ug/l	# 78
31) Cyclohexane	7.777	56	4298	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	16733	6.202	ug/l	# 51
37) Ethyl Acetate	6.966	43	1626	1.043	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	21568	6.952	ug/l	# 15
58) 2-Chloroethyl Vinyl ether	9.770	63	24	20.493	ug/l	# 48
76) 1,2,3-Trichloropropane	12.477	75	89364	53.427	ug/l	# 100
77) Bromobenzene	12.367	156	133555	51.826	ug/l	# 4
81) trans-1,4-Dichloro-2-b...	12.373	75	11108	14.766	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.416	75	402	1.092	ug/l	# 28
95) Naphthalene	15.233	128	413143	72.138	ug/l	98

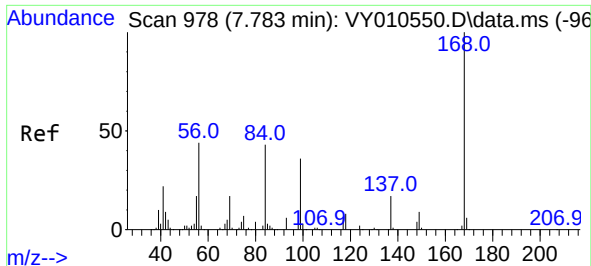
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

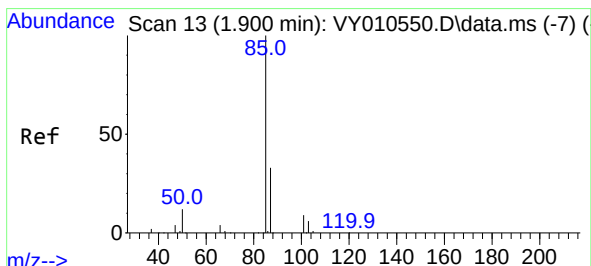
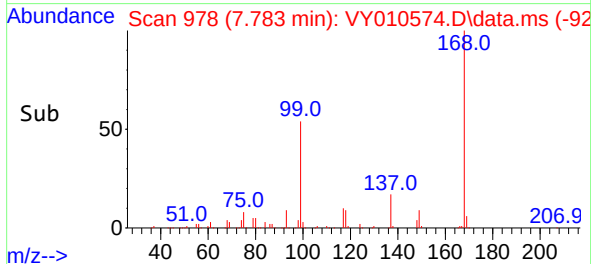
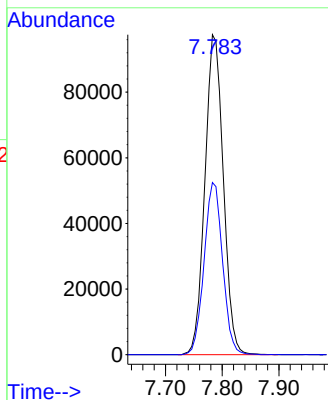
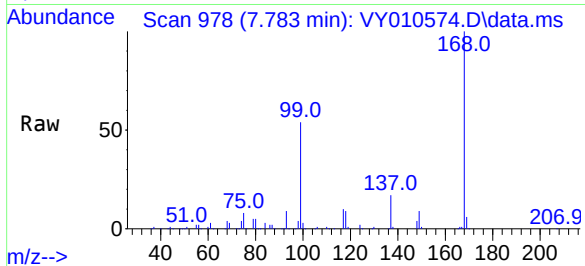




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

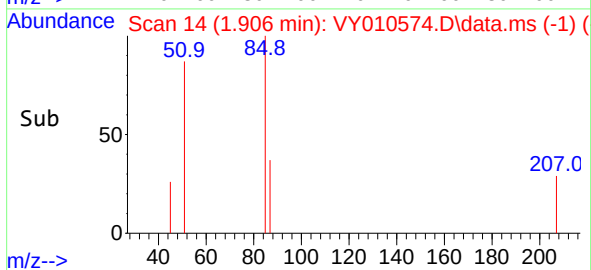
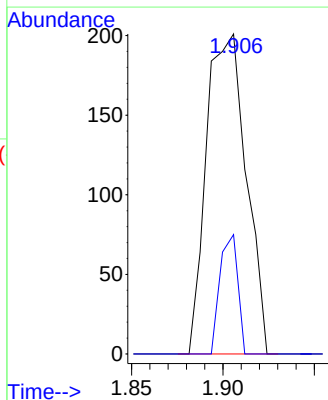
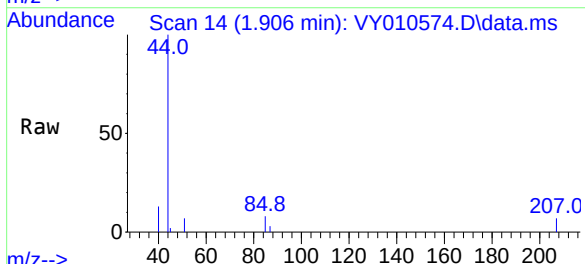
Instrument :
MSVOA_Y
ClientSampleId :

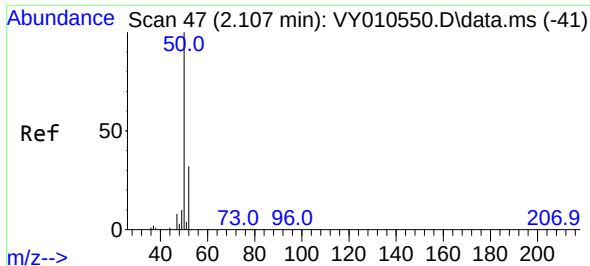
Tgt Ion:168 Resp: 220141
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 85 Resp: 304
Ion Ratio Lower Upper
85 100
87 37.3 16.1 48.2

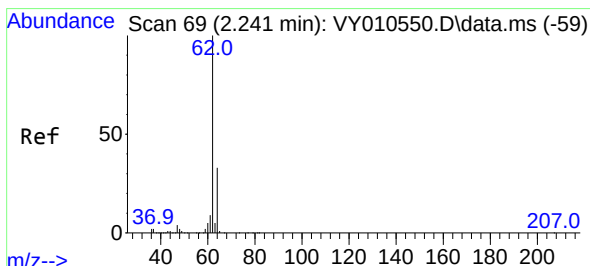
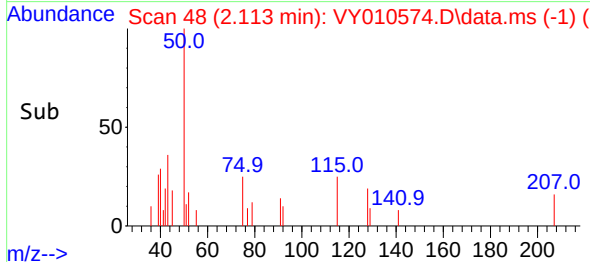
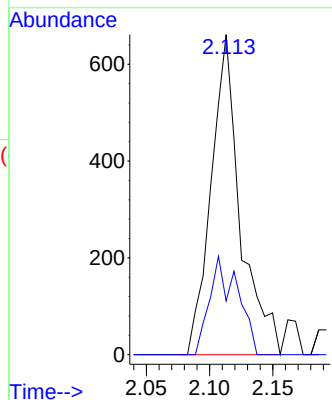
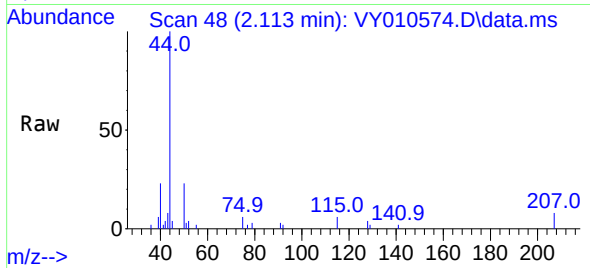




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

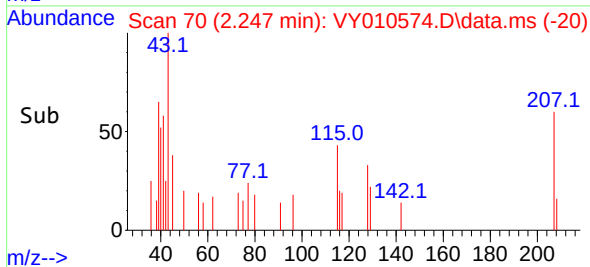
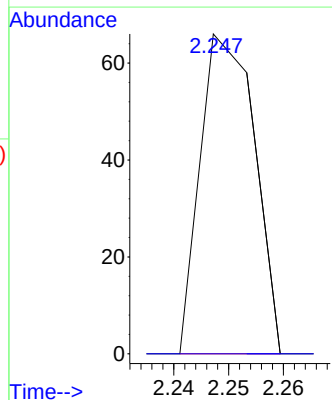
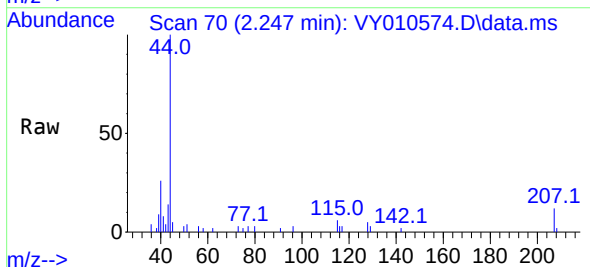
Instrument :
MSVOA_Y
ClientSampleId :

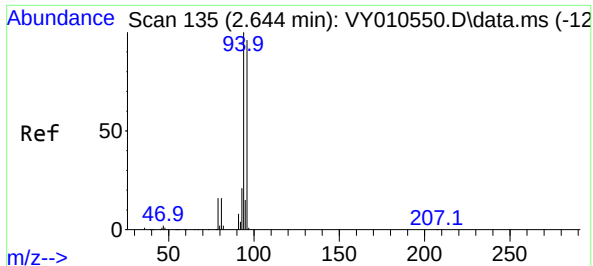
Tgt Ion: 50 Resp: 1059
Ion Ratio Lower Upper
50 100
52 16.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 62 Resp: 45
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

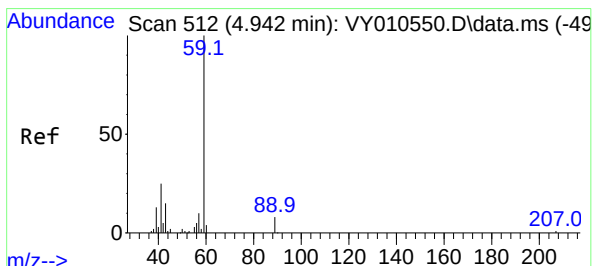
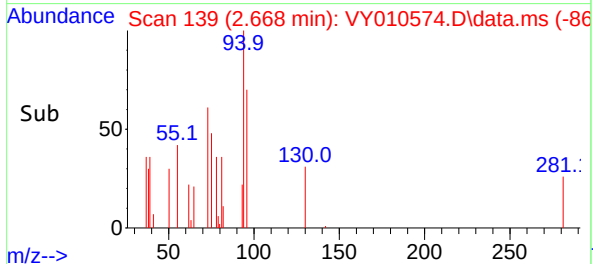
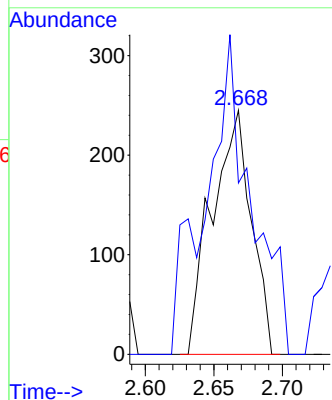
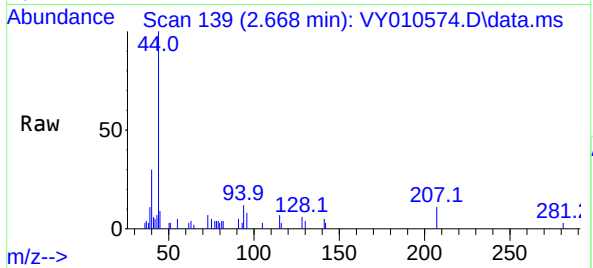




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

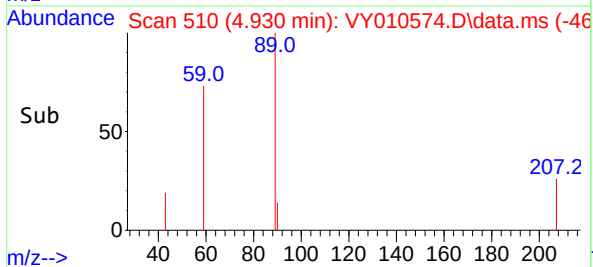
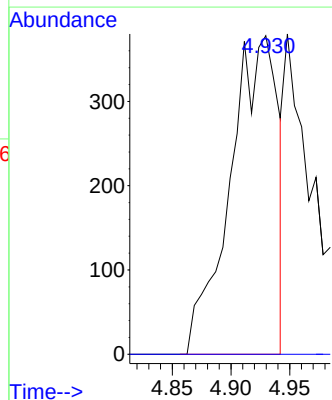
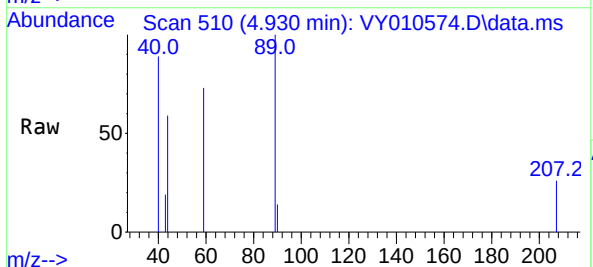
Instrument :
MSVOA_Y
ClientSampleId :

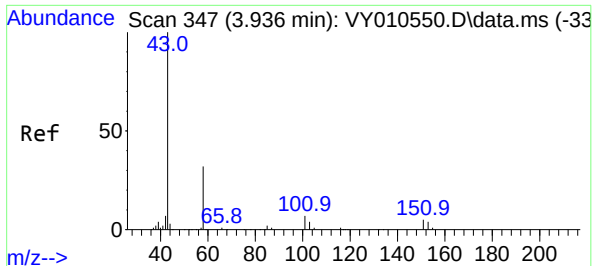
Tgt Ion: 94 Resp: 490
Ion Ratio Lower Upper
94 100
96 26.1 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 59 Resp: 1068
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

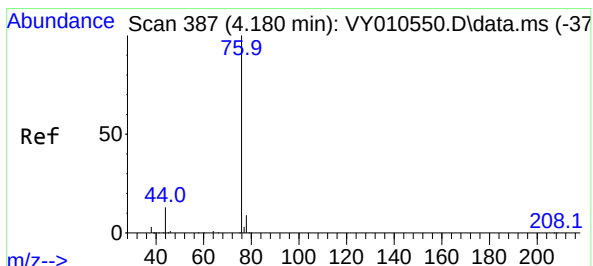
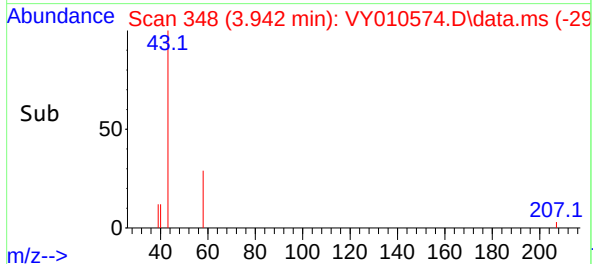
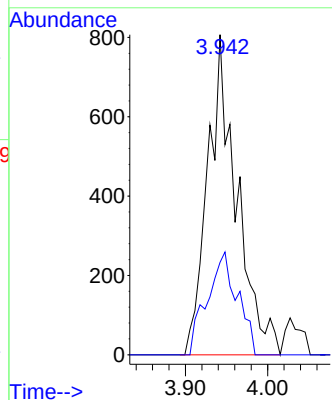
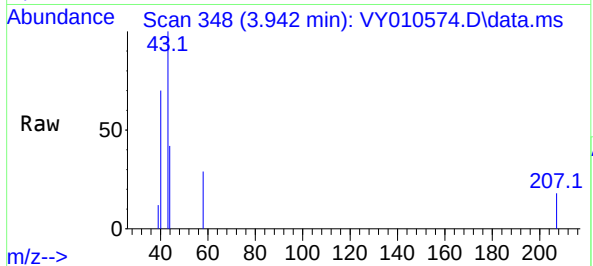




#16
Acetone
Concen: 4.590 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

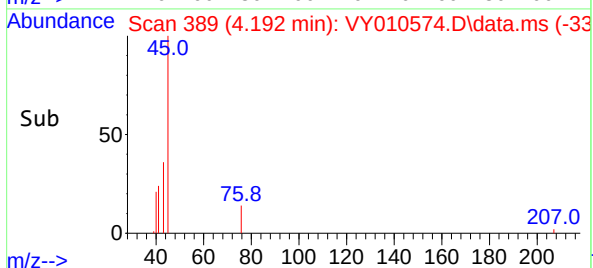
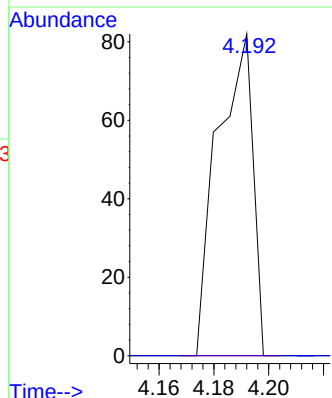
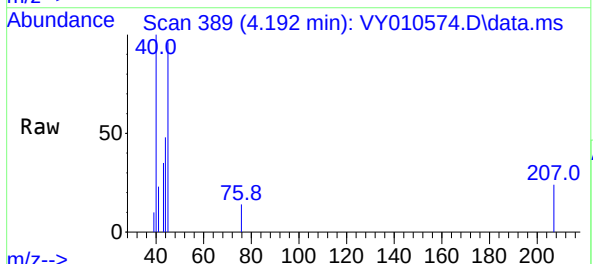
Instrument :
MSVOA_Y
ClientSampleId :

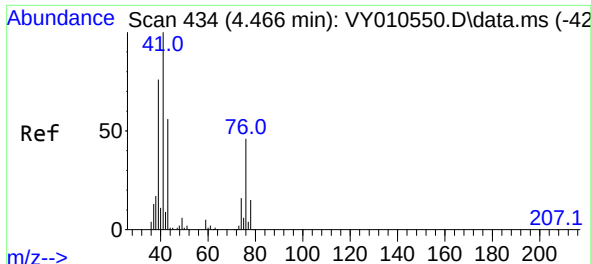
Tgt Ion: 43 Resp: 1971
Ion Ratio Lower Upper
43 100
58 28.9 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

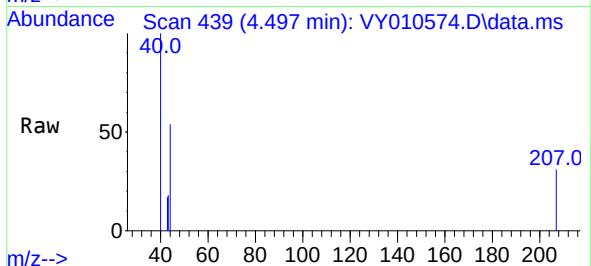
Tgt Ion: 76 Resp: 73
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



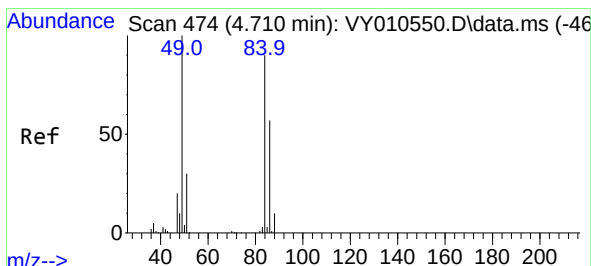
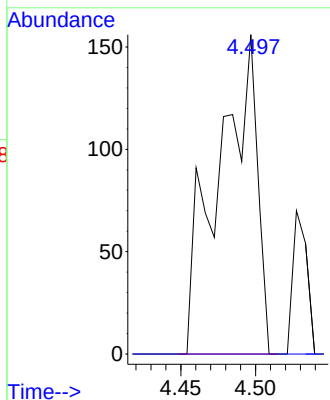
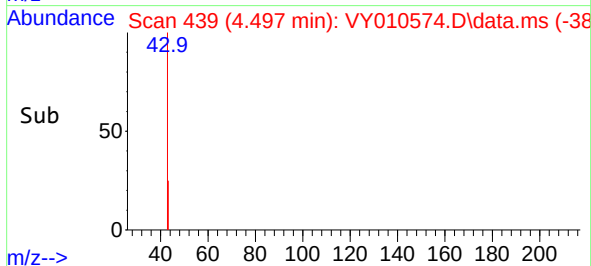


#18
Methyl Acetate
Concen: Below Cal
RT: 4.497 min Scan# 41
Delta R.T. 0.031 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

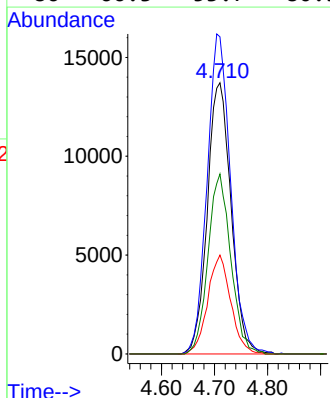
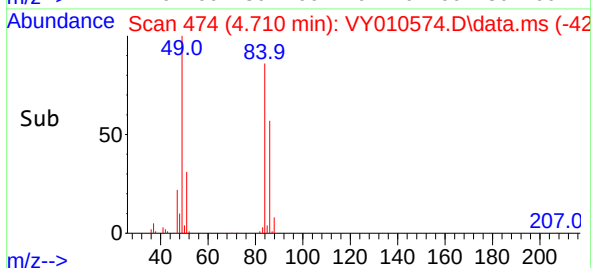
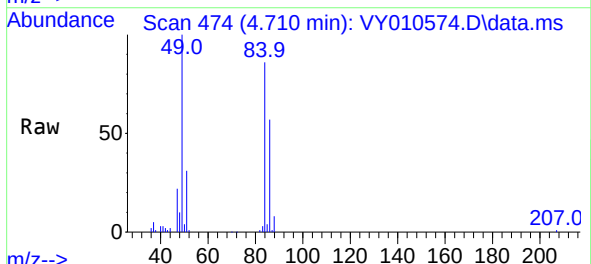


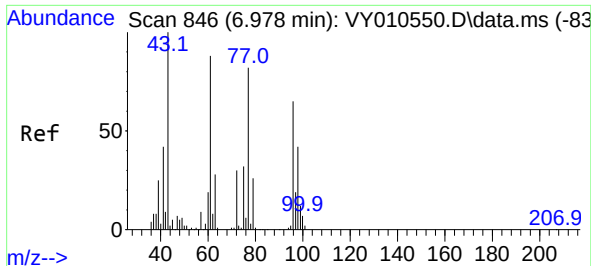
Tgt Ion: 43 Resp: 282
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 8.926 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

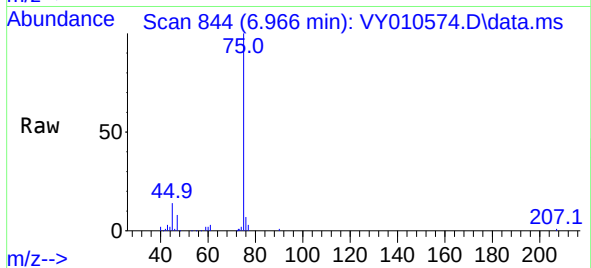
Tgt Ion: 84 Resp: 42674
Ion Ratio Lower Upper
84 100
49 116.9 114.4 171.6
51 36.5 35.3 52.9
86 66.3 53.7 80.5



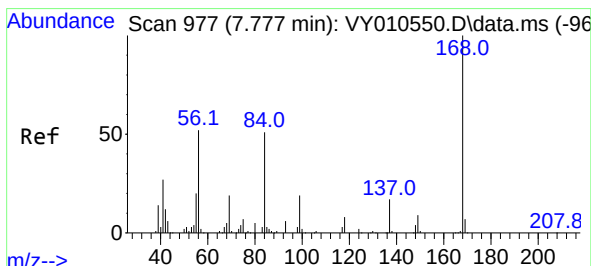
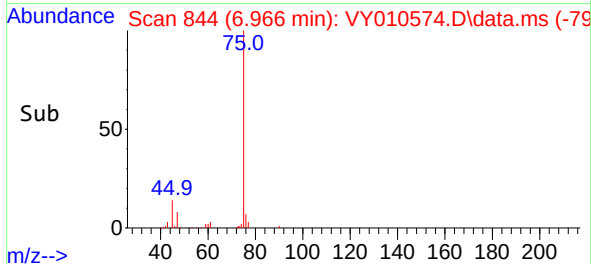
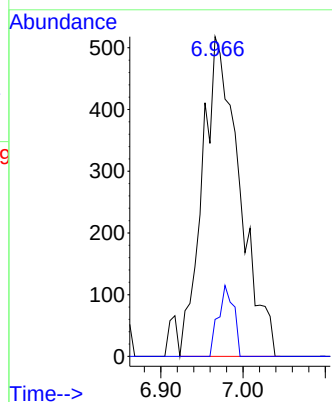


#25
2-Butanone
Concen: 2.421 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

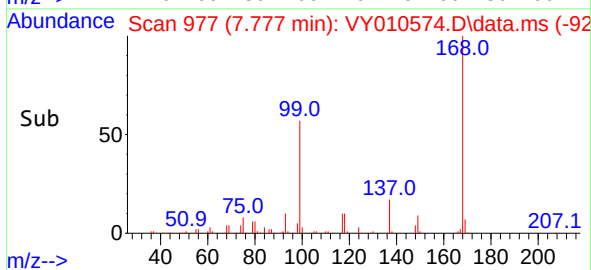
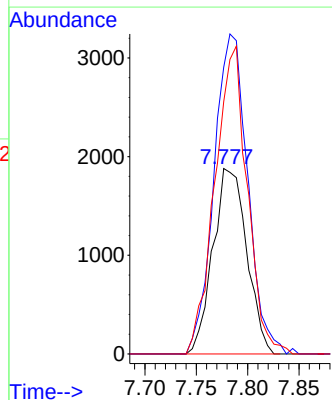
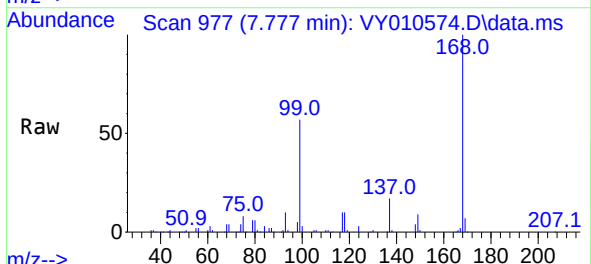


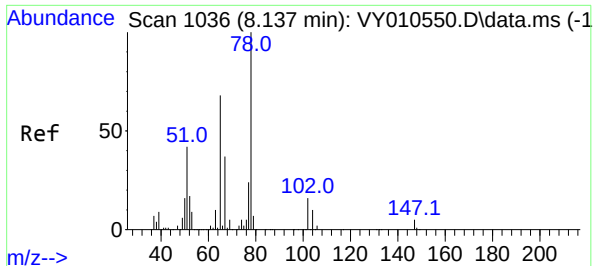
Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
72 11.6 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 56 Resp: 4298
Ion Ratio Lower Upper
56 100
69 154.5 26.7 40.1#
84 136.1 67.2 100.8#

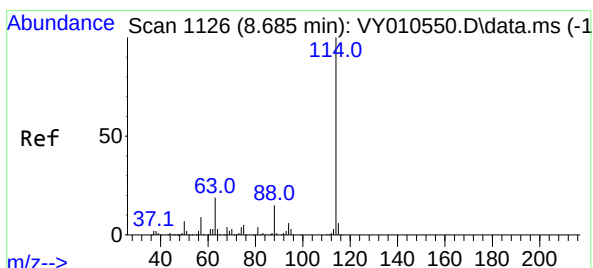
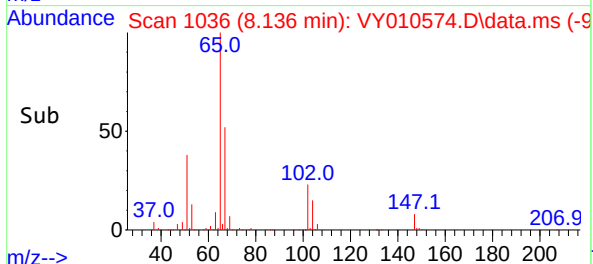
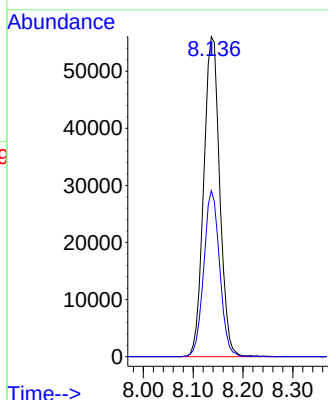
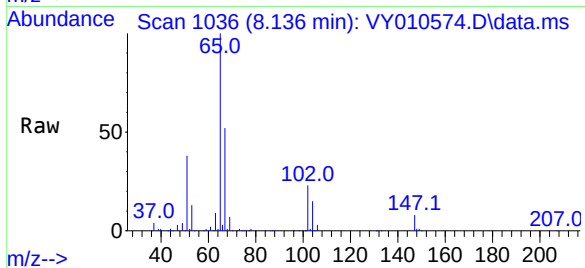




#33
1,2-Dichloroethane-d4
Concen: 59.404 ug/l
RT: 8.136 min Scan# 11036
Delta R.T. -0.001 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

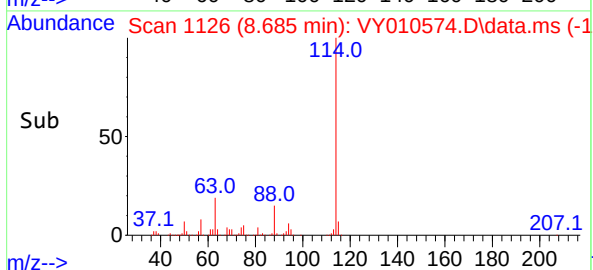
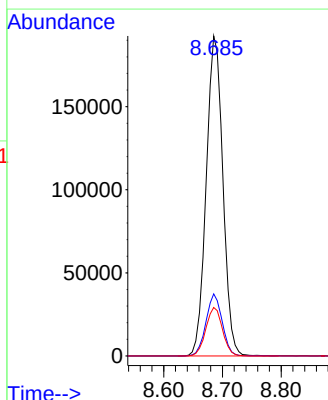
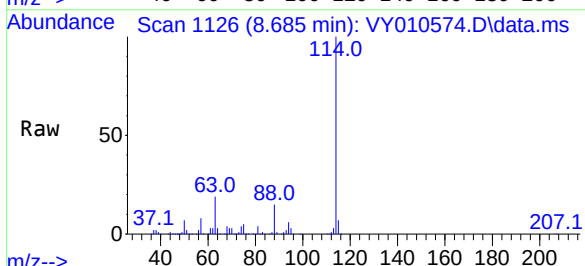
Instrument :
MSVOA_Y
ClientSampleId :

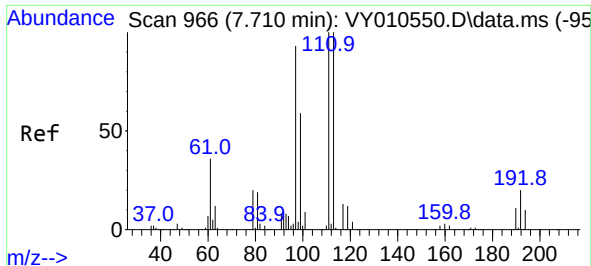
Tgt Ion: 65 Resp: 125080
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

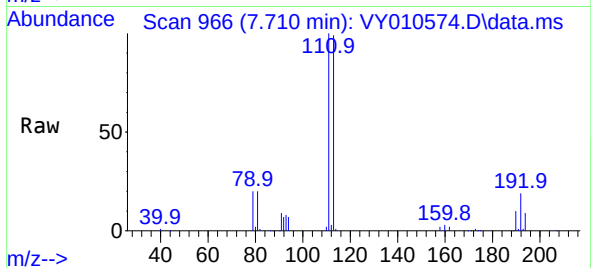
Tgt Ion:114 Resp: 379445
Ion Ratio Lower Upper
114 100
63 19.4 0.0 43.2
88 15.2 0.0 31.8



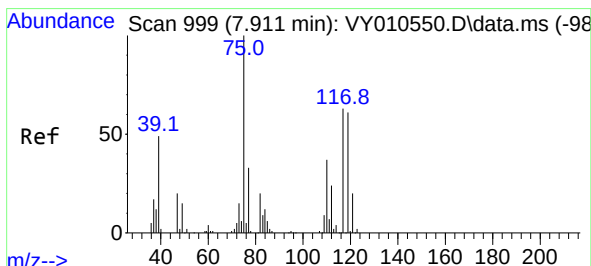
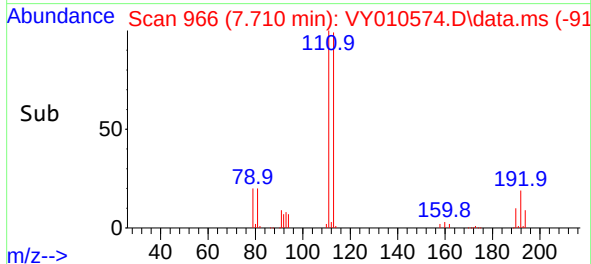
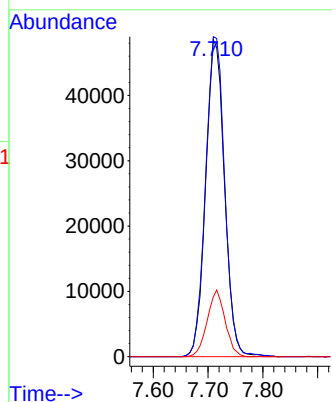


#35
Dibromofluoromethane
Concen: 47.721 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

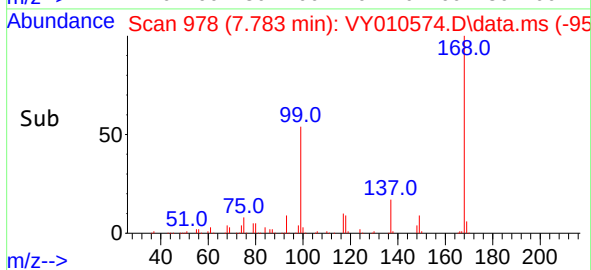
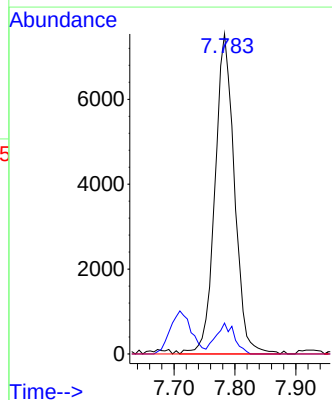
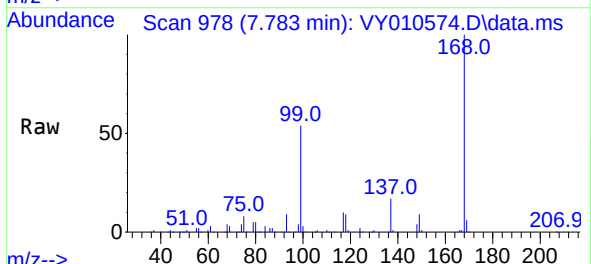


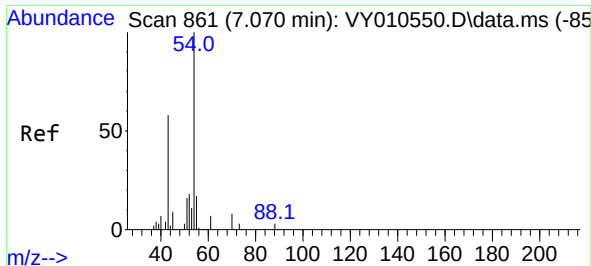
Tgt Ion:113 Resp: 115562
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 20.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.202 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 75 Resp: 16733
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.043 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY010574.D

Acq: 20 Sep 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

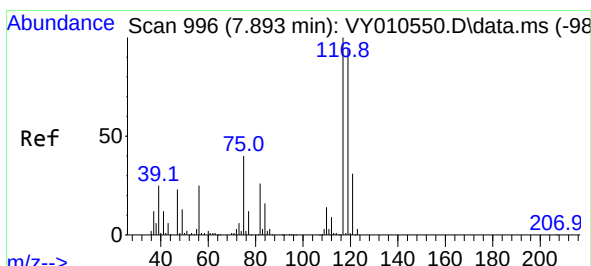
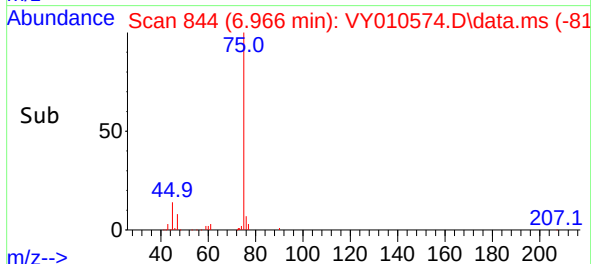
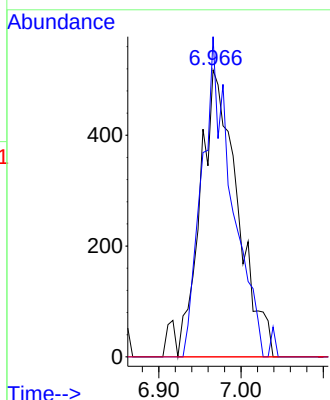
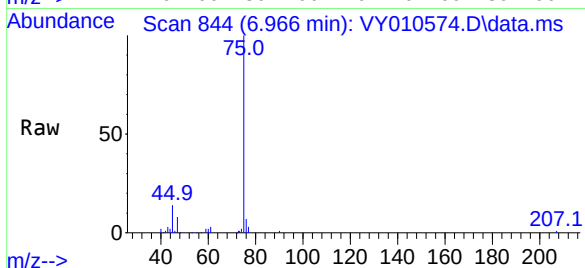
Tgt Ion: 43 Resp: 1626

Ion Ratio Lower Upper

43 100

61 89.9 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.952 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010574.D

Acq: 20 Sep 2022 14:25

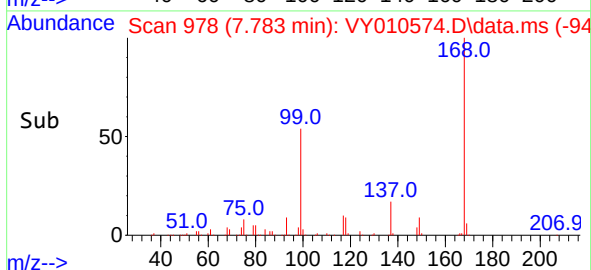
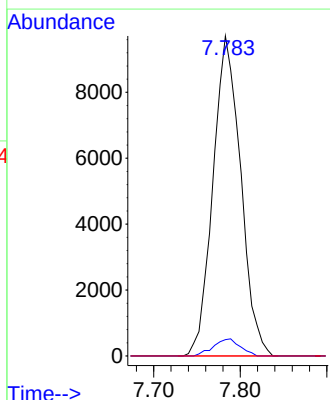
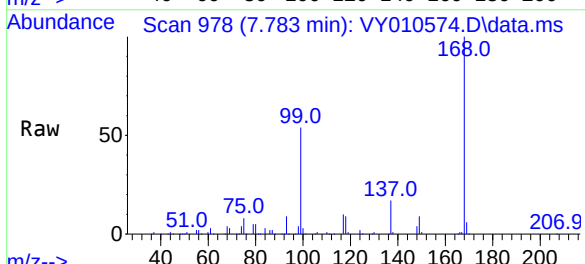
Tgt Ion: 117 Resp: 21568

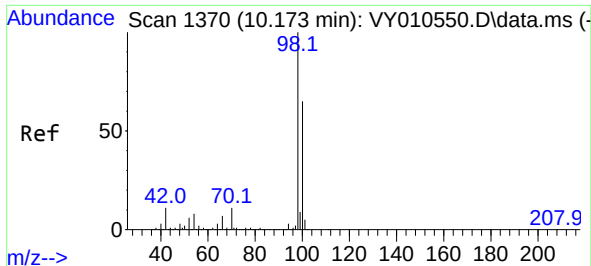
Ion Ratio Lower Upper

117 100

119 5.1 77.9 116.9#

121 0.0 24.8 37.2#

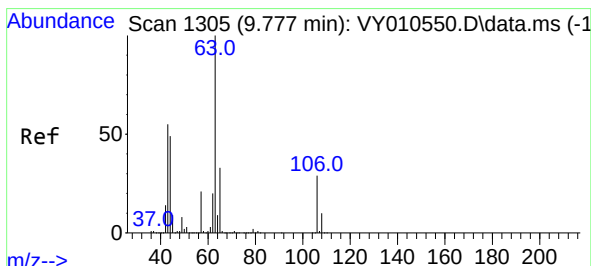
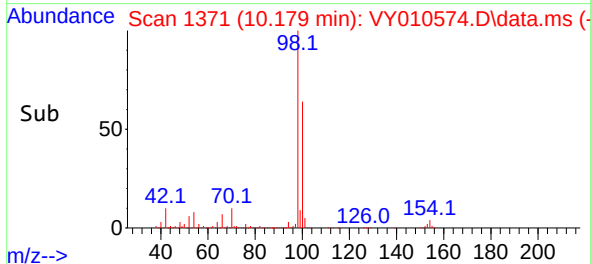
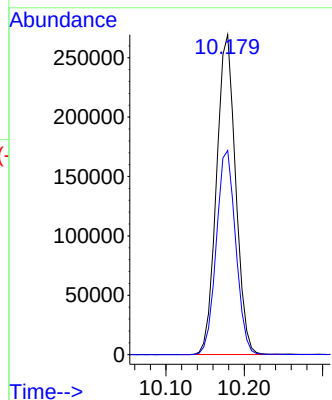
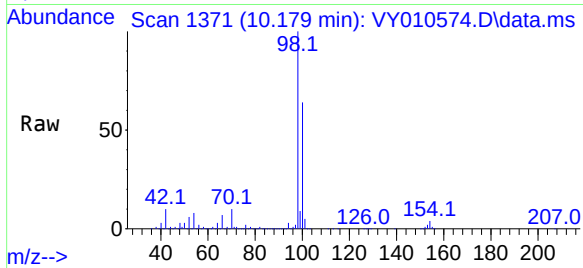




#50
Toluene-d8
Concen: 50.991 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

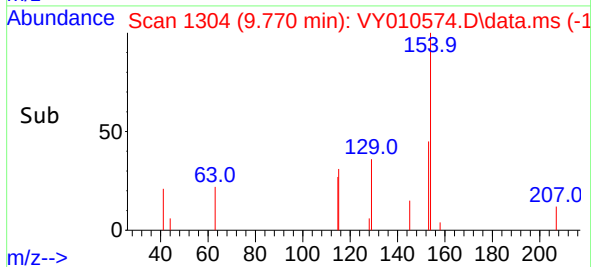
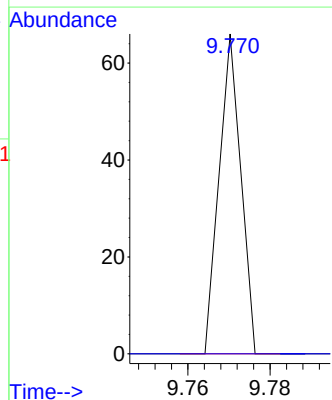
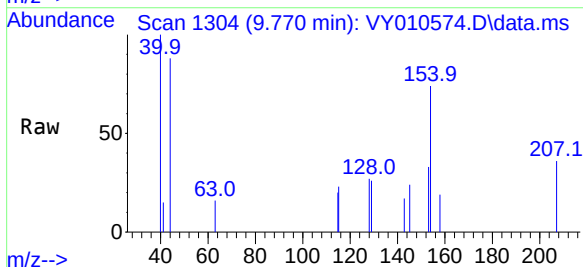
Instrument :
MSVOA_Y
ClientSampleId :

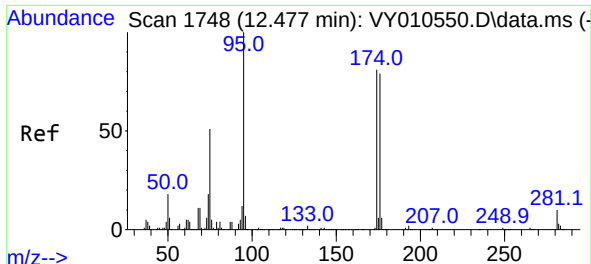
Tgt Ion: 98 Resp: 456950
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: 20.493 ug/l
RT: 9.770 min Scan# 1304
Delta R.T. -0.007 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

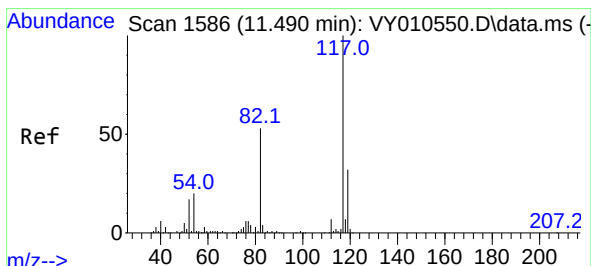
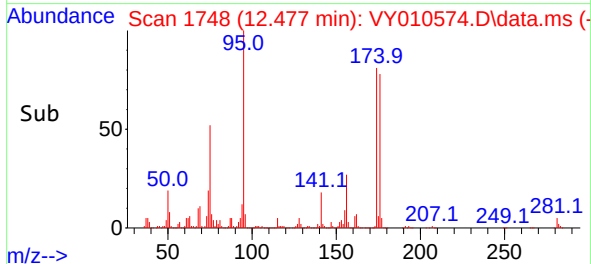
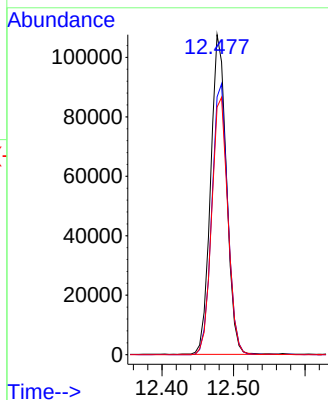
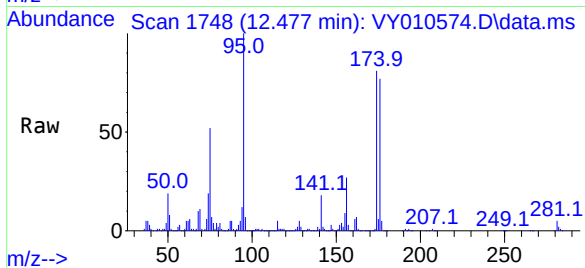




#62
4-Bromofluorobenzene
Concen: 49.709 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

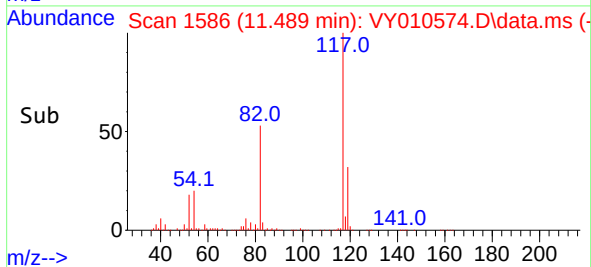
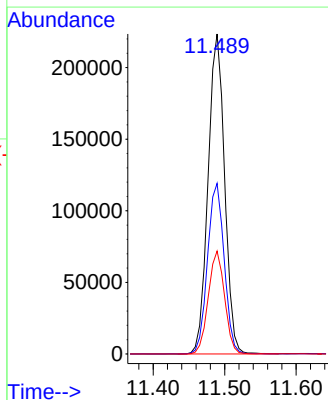
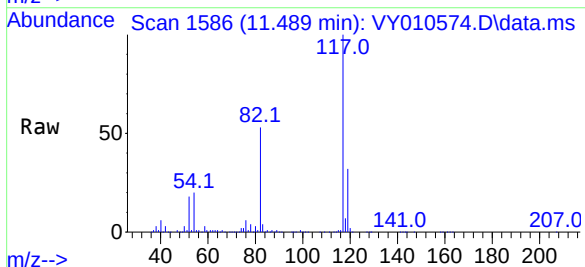
Instrument :
MSVOA_Y
ClientSampleId :

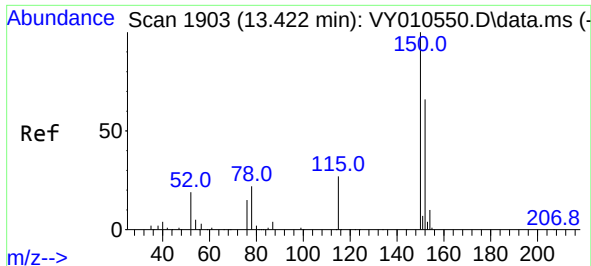
Tgt Ion: 95 Resp: 165161
Ion Ratio Lower Upper
95 100
174 85.0 0.0 177.0
176 82.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

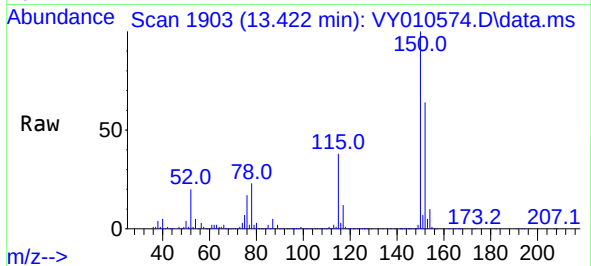
Tgt Ion: 117 Resp: 359226
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.1 25.4 38.0



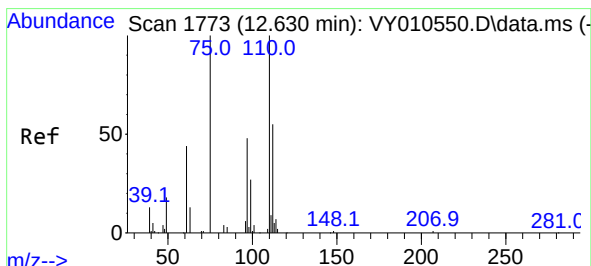
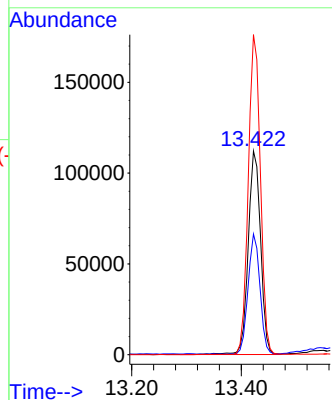
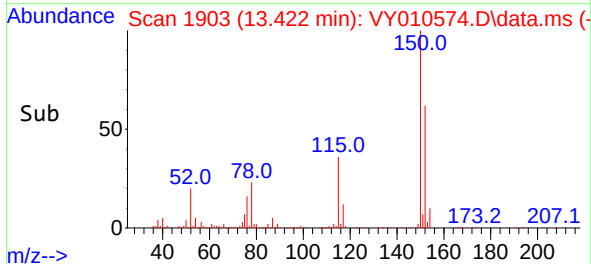


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

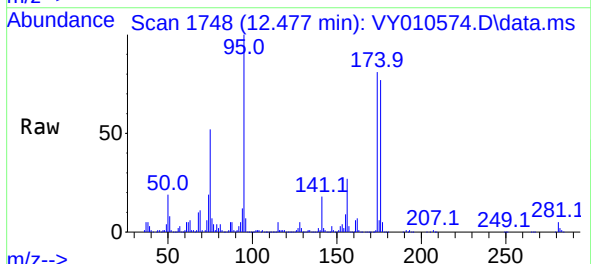
Instrument :
MSVOA_Y
ClientSampleId :



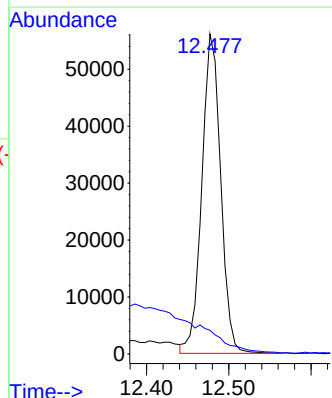
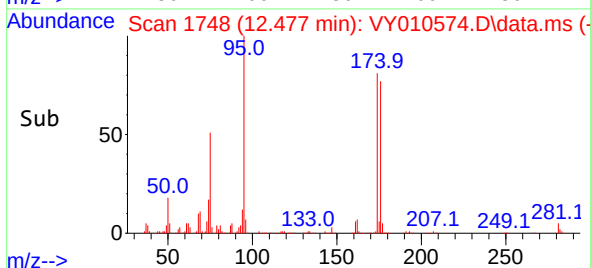
Tgt Ion:152 Resp: 175248
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 153.9 0.0 347.6

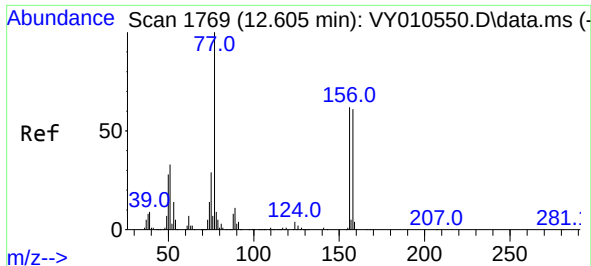


#76
1,2,3-Trichloropropane
Concen: 53.427 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25



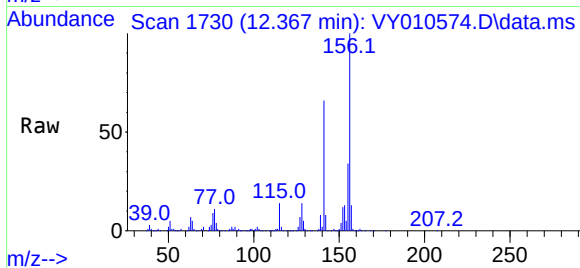
Tgt Ion: 75 Resp: 89364
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



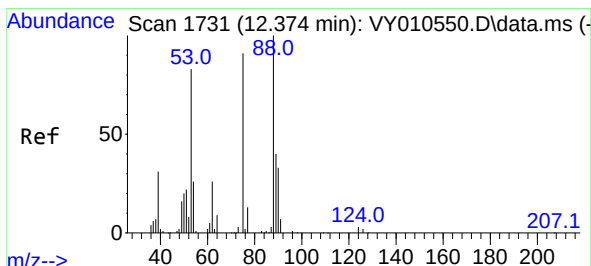
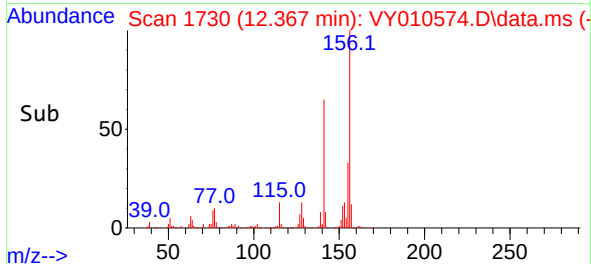
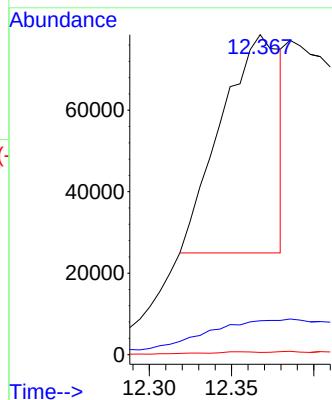


#77
Bromobenzene
Concen: 51.826 ug/l
RT: 12.367 min Scan# 1770
Delta R.T. -0.238 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

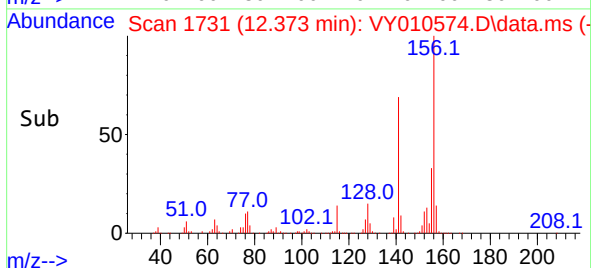
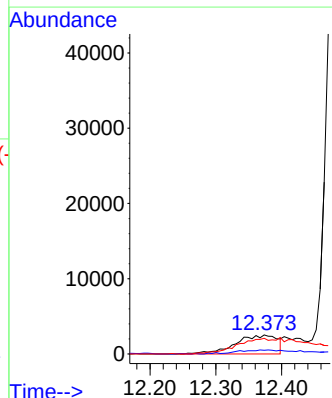
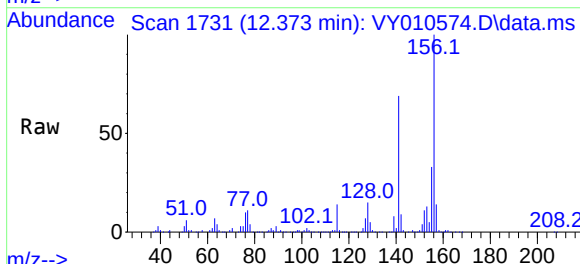


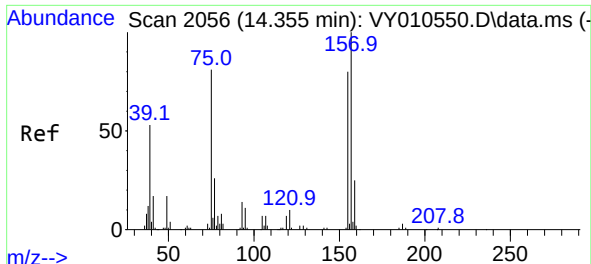
Tgt Ion:156 Resp: 133555
Ion Ratio Lower Upper
156 100
77 50.8 95.5 286.4#
158 0.2 48.0 144.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 14.766 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. -0.001 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 75 Resp: 11108
Ion Ratio Lower Upper
75 100
53 4.6 85.3 127.9#
89 74.6 37.0 55.4#

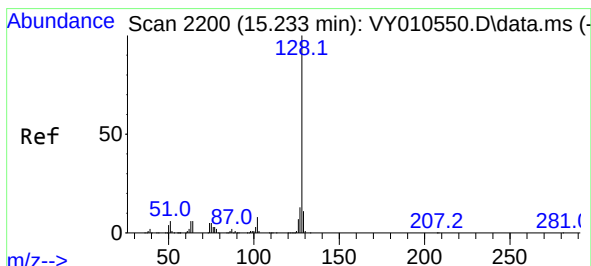
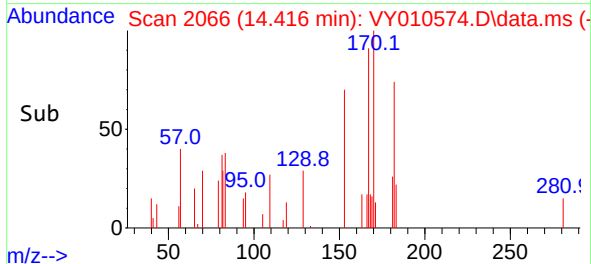
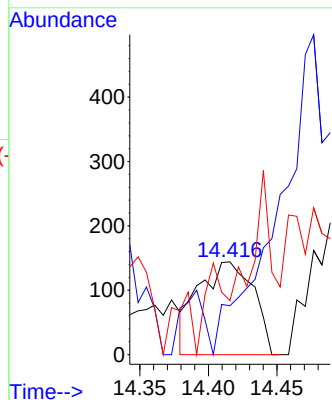
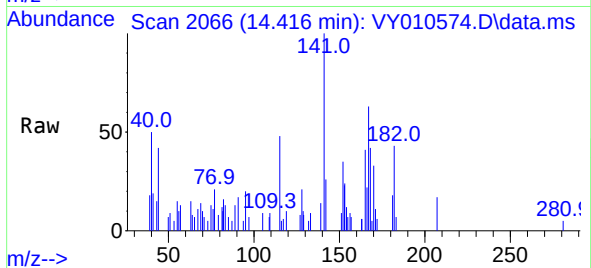




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.092 ug/l
RT: 14.416 min Scan# 2056
Delta R.T. 0.061 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 402
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 37.8 47.8 143.3#



#95
Naphthalene
Concen: 72.138 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010574.D
Acq: 20 Sep 2022 14:25

Tgt Ion: 128 Resp: 413143
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.4
129 12.0 8.4 12.6

