

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
 Data File : VY010719.D
 Acq On : 28 Sep 2022 16:14
 Operator : KP/MD
 Sample : N4850-04
 Misc : 4.98g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14B-SP-2-GR

Quant Time: Sep 29 01:13:58 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)

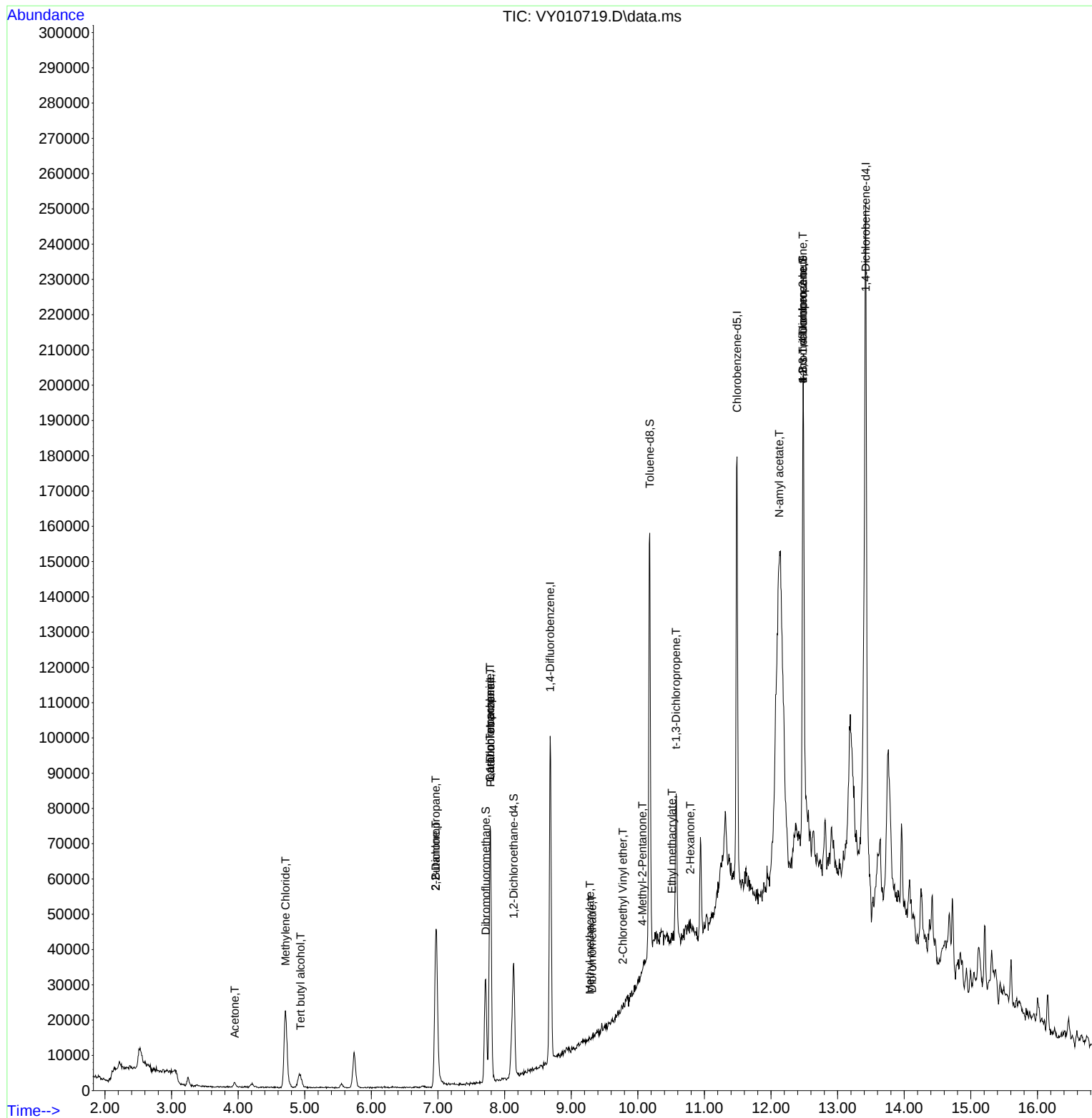
Internal Standards						
1) Pentafluorobenzene	7.789	168	56434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	77997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	66450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	32162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21125	39.136	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.280%		
35) Dibromofluoromethane	7.716	113	21210	42.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.220%		
50) Toluene-d8	10.179	98	80361	44.077	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.160%		
62) 4-Bromofluorobenzene	12.477	95	27748	40.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	589	Below Cal	#	89
3) Chloromethane	2.113	50	564	Below Cal	#	84
4) Vinyl Chloride	2.314	62	83	Below Cal	#	43
5) Bromomethane	2.668	94	444	Below Cal		96
11) Tert butyl alcohol	4.936	59	4603	88.066	ug/l #	79
16) Acetone	3.948	43	2550	23.166	ug/l	95
17) Carbon Disulfide	4.174	76	20	Below Cal	#	75
18) Methyl Acetate	4.485	43	49	Below Cal	#	56
20) Methylene Chloride	4.710	84	16718	21.847	ug/l	88
25) 2-Butanone	6.966	43	2843	16.512	ug/l	93
26) 2,2-Dichloropropane	6.966	77	3705	4.527	ug/l #	55
31) Cyclohexane	7.777	56	1475	Below Cal	#	20
36) 1,1-Dichloropropene	7.783	75	5217	9.406	ug/l #	53
38) Carbon Tetrachloride	7.783	117	5571	8.736	ug/l #	16
46) Dibromomethane	9.313	93	367	1.461	ug/l #	1
48) Methyl methacrylate	9.282	41	310	1.196	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	1406	4.241	ug/l #	67
53) t-1,3-Dichloropropene	10.575	75	705	1.124	ug/l #	43
56) Ethyl methacrylate	10.514	69	581	1.214	ug/l #	27
58) 2-Chloroethyl Vinyl ether	9.776	63	54	20.659	ug/l #	48
59) 2-Hexanone	10.788	43	227	1.010	ug/l	70
74) N-amyl acetate	12.123	43	8638	17.921	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	15024	48.944	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	15024	108.823	ug/l #	7

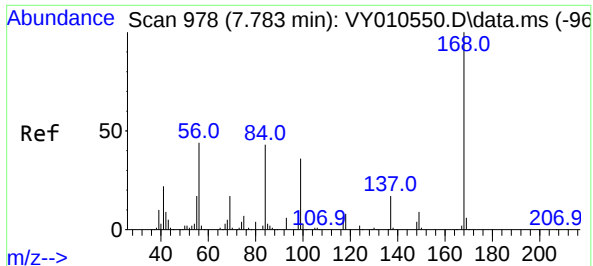
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092822\
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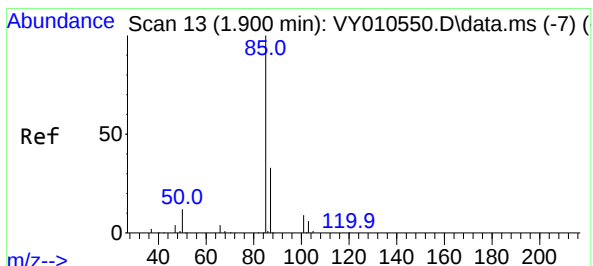
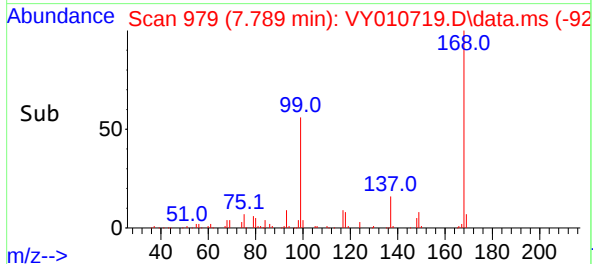
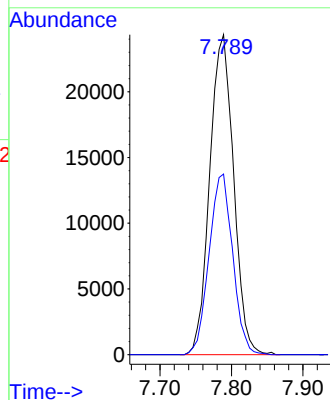
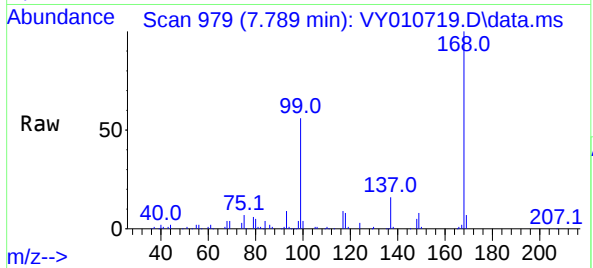




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

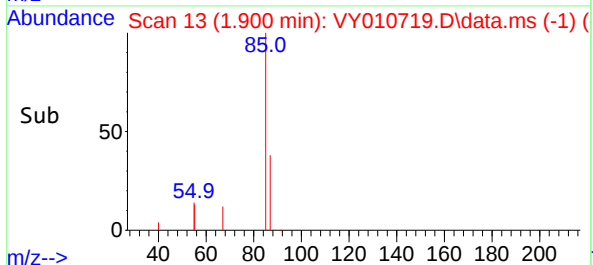
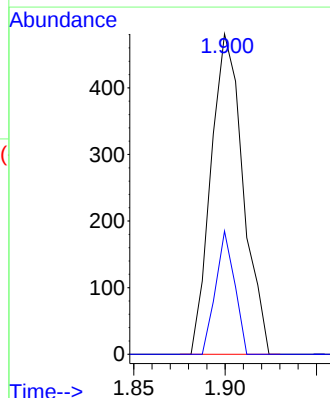
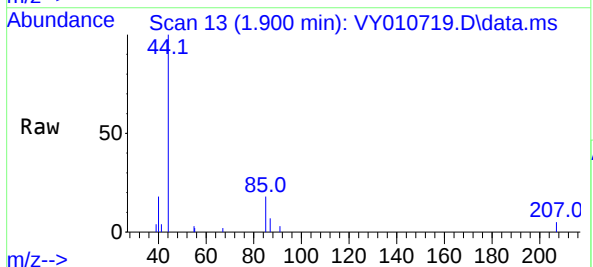
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

Tgt Ion:168 Resp: 56434
Ion Ratio Lower Upper
168 100
99 56.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 85 Resp: 589
Ion Ratio Lower Upper
85 100
87 38.5 16.1 48.2

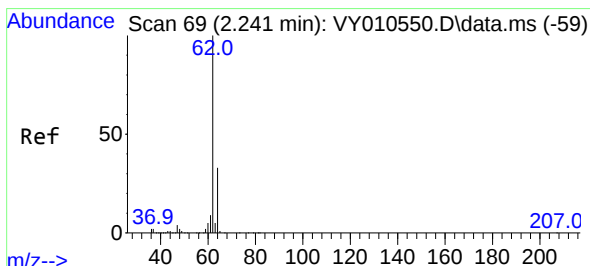
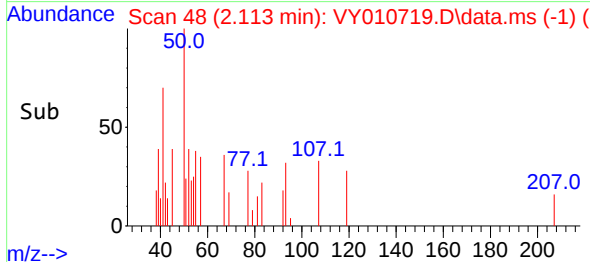
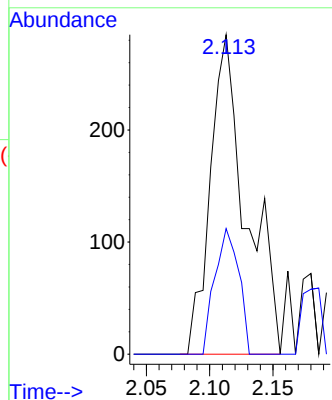
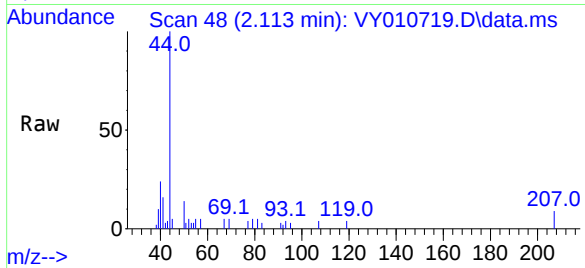




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

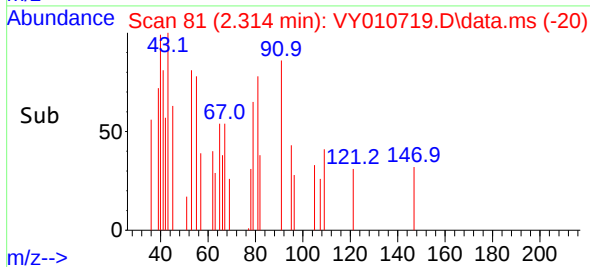
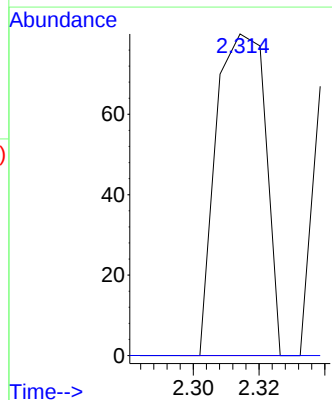
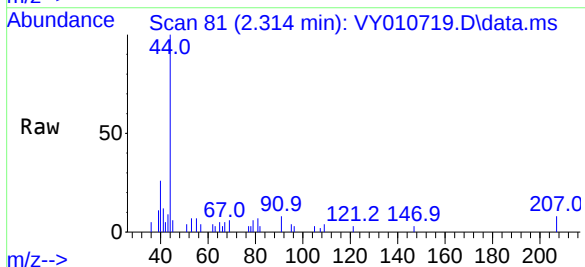
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

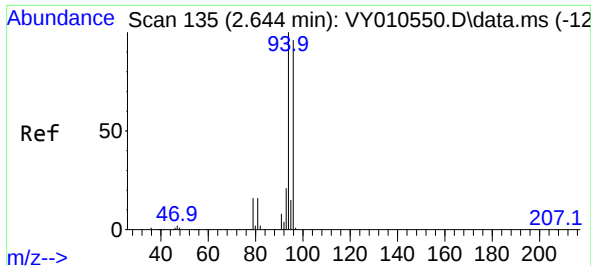
Tgt Ion: 50 Resp: 564
Ion Ratio Lower Upper
50 100
52 39.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.314 min Scan# 81
Delta R.T. 0.073 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 62 Resp: 83
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

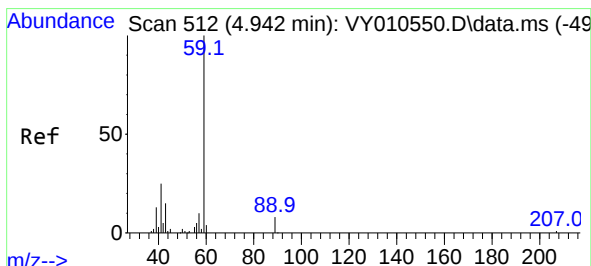
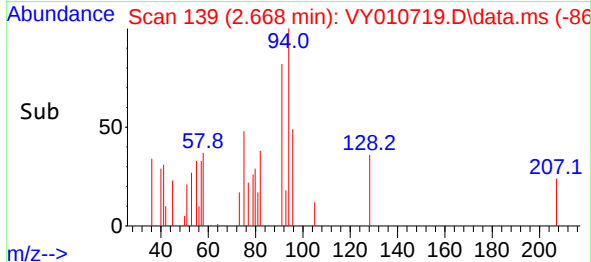
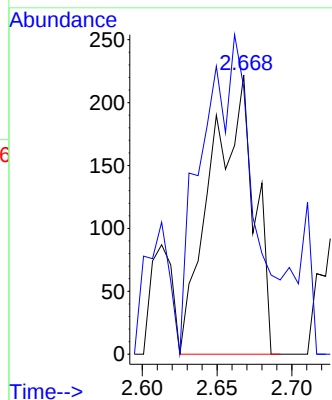
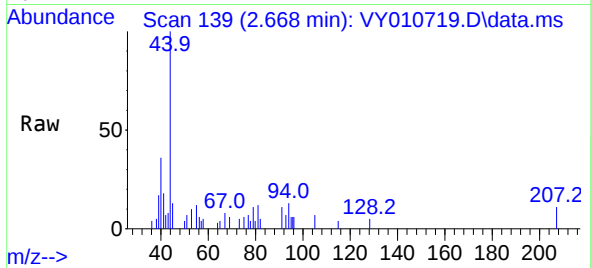




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

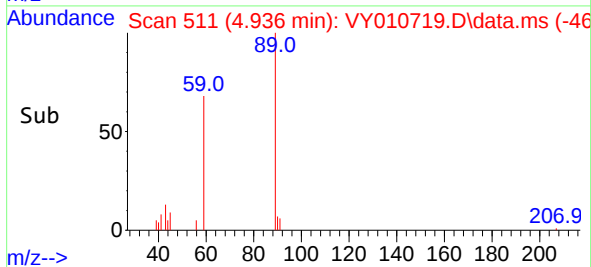
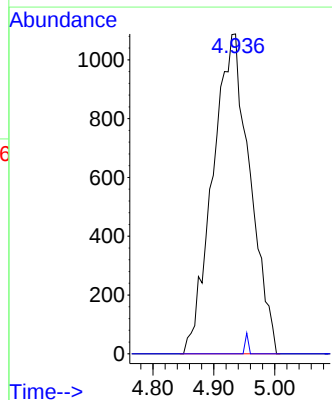
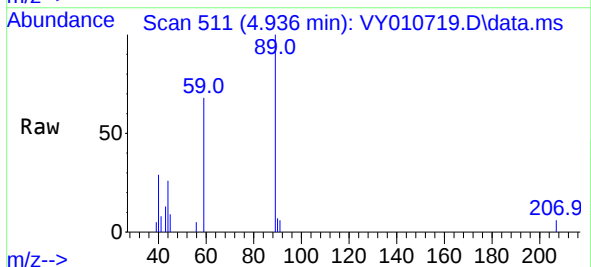
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

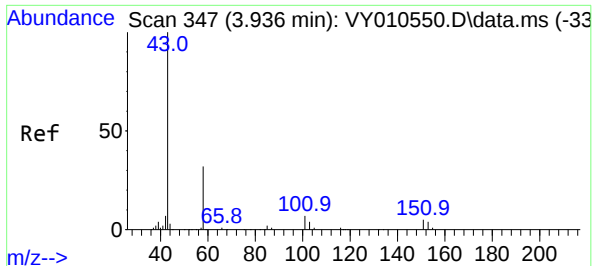
Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 95.5 73.5 110.3



#11
Tert butyl alcohol
Concen: 88.066 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 59 Resp: 4603
Ion Ratio Lower Upper
59 100
57 0.6 6.4 9.6#

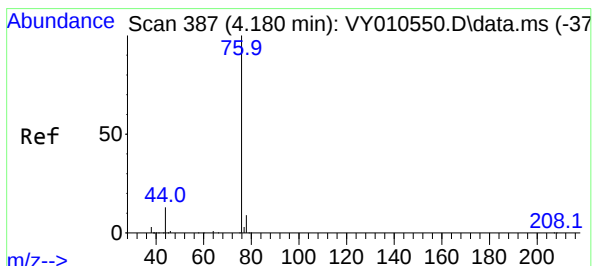
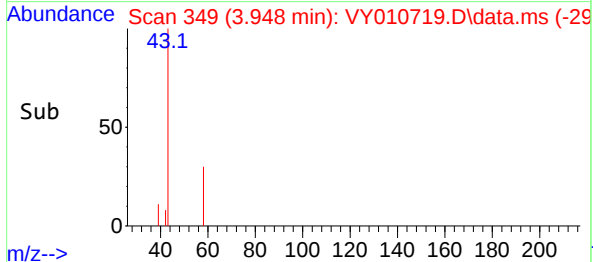
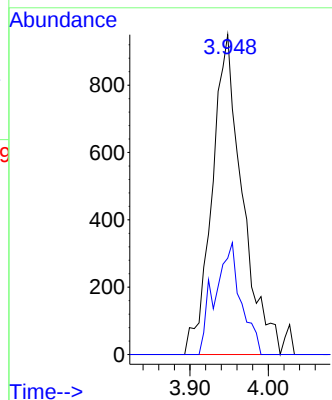
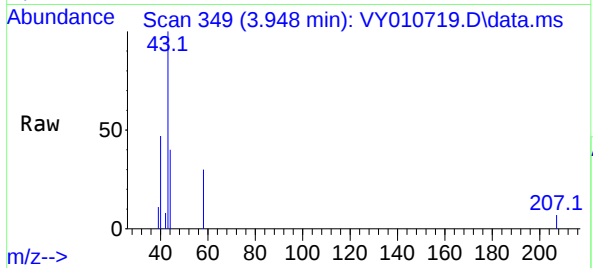




#16
Acetone
Concen: 23.166 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

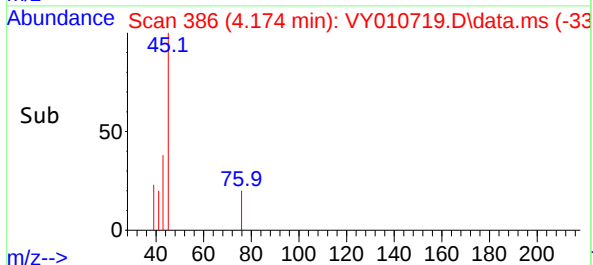
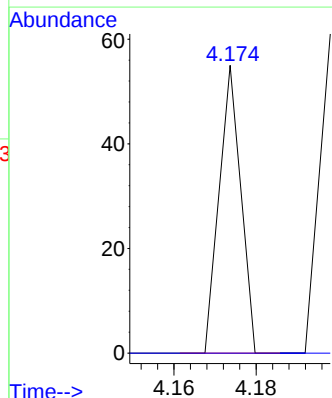
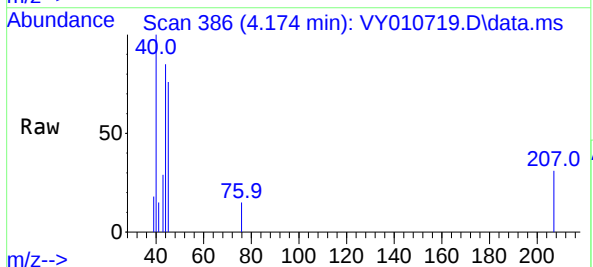
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

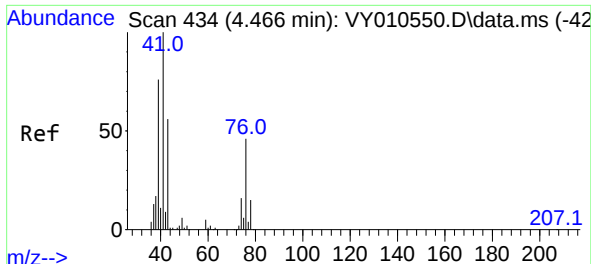
Tgt Ion: 43 Resp: 2550
Ion Ratio Lower Upper
43 100
58 30.1 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.174 min Scan# 386
Delta R.T. -0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 76 Resp: 20
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

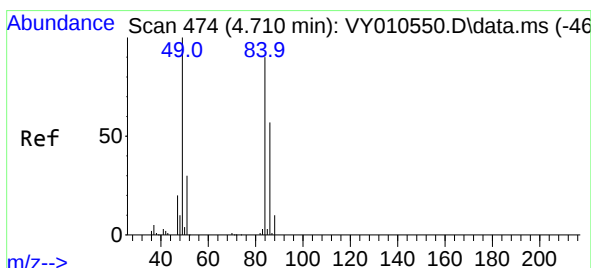
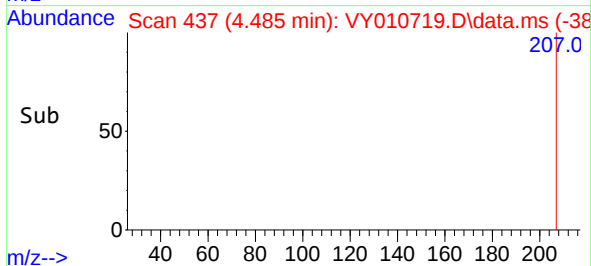
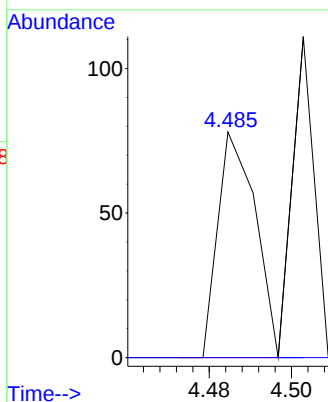
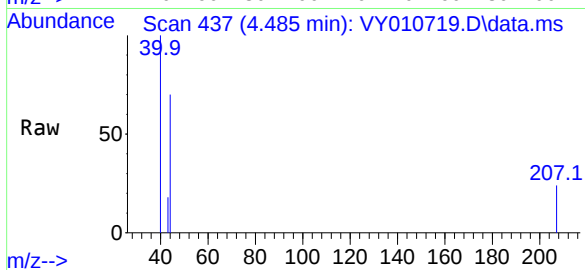
WC-14B-SP-2-GR

Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 21.847 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

Tgt Ion: 84 Resp: 16718

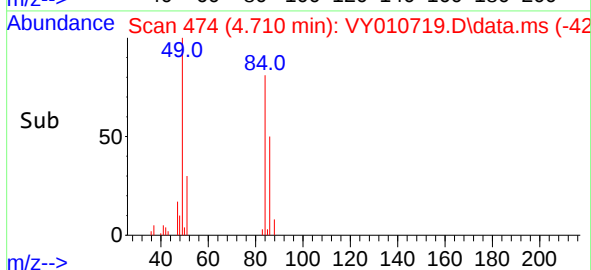
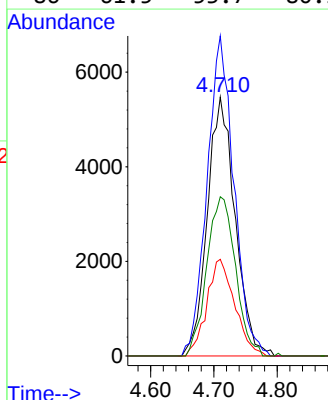
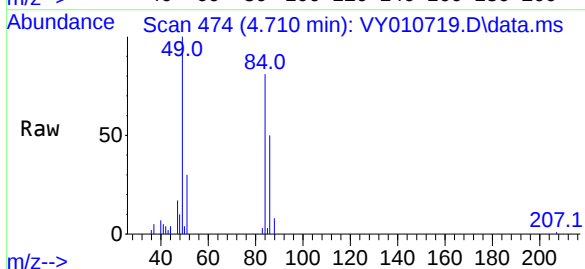
Ion Ratio Lower Upper

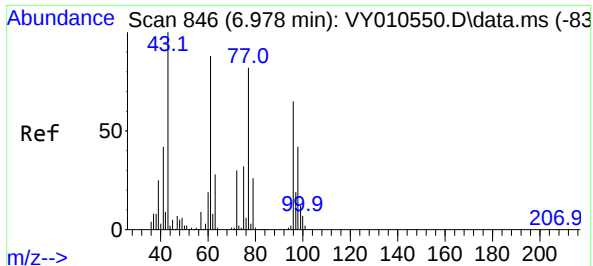
84 100

49 123.6 114.4 171.6

51 37.3 35.3 52.9

86 61.5 53.7 80.5





#25

2-Butanone

Concen: 16.512 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

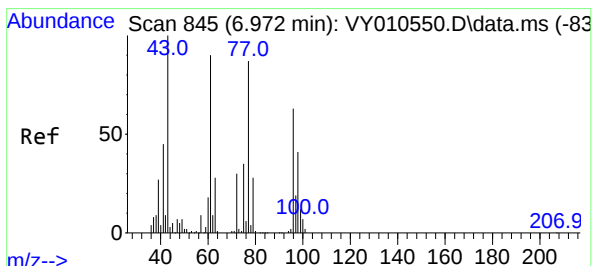
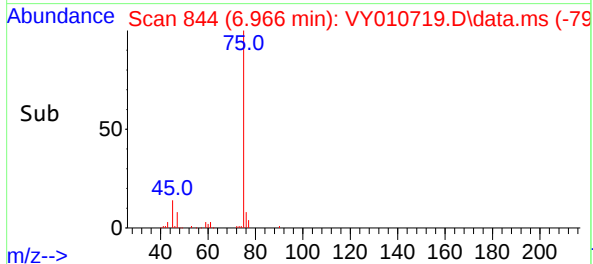
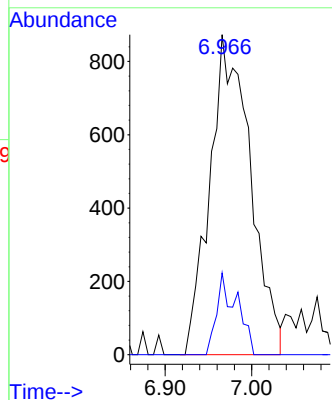
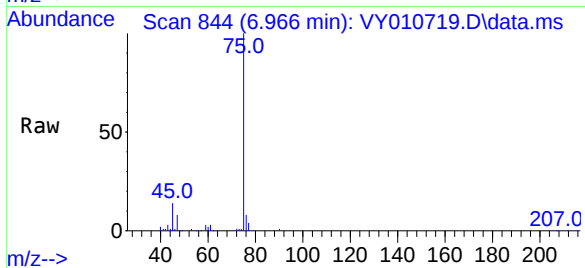
WC-14B-SP-2-GR

Tgt Ion: 43 Resp: 2843

Ion Ratio Lower Upper

43 100

72 25.5 17.7 26.5



#26

2,2-Dichloropropane

Concen: 4.527 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010719.D

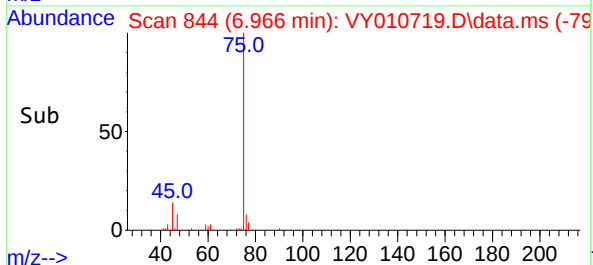
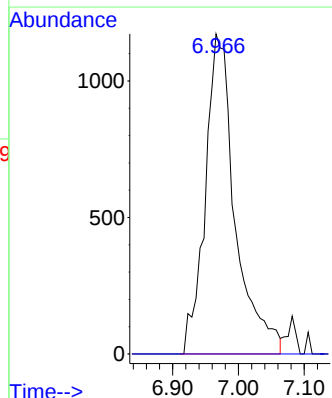
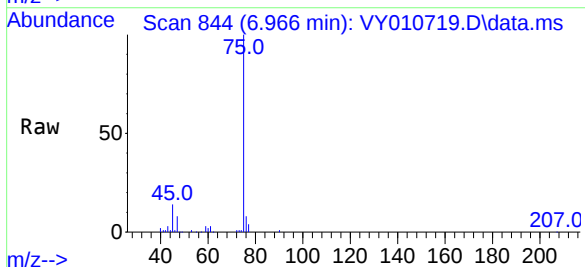
Acq: 28 Sep 2022 16:14

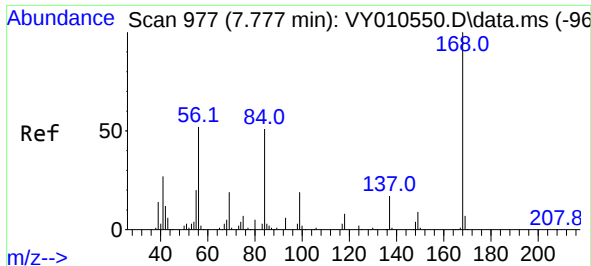
Tgt Ion: 77 Resp: 3705

Ion Ratio Lower Upper

77 100

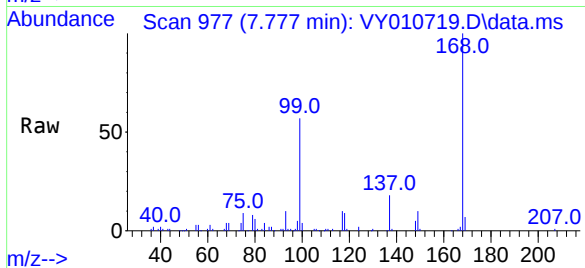
97 0.0 10.4 31.4#



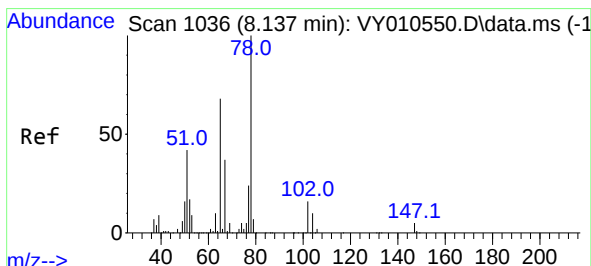
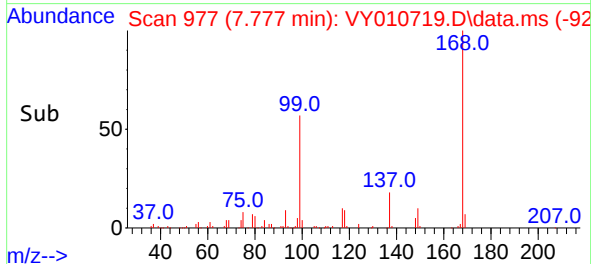
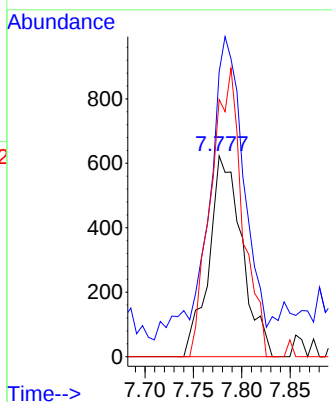


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

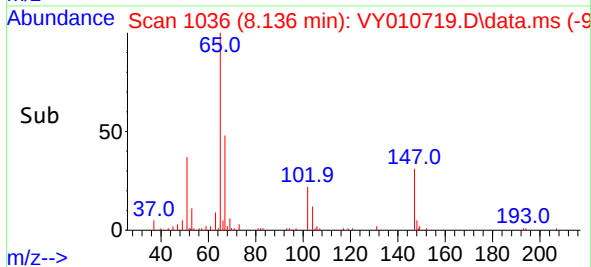
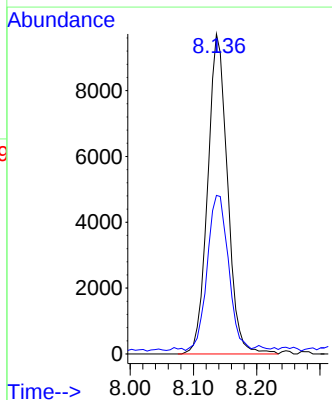
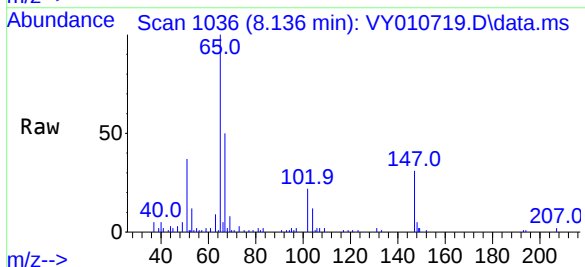


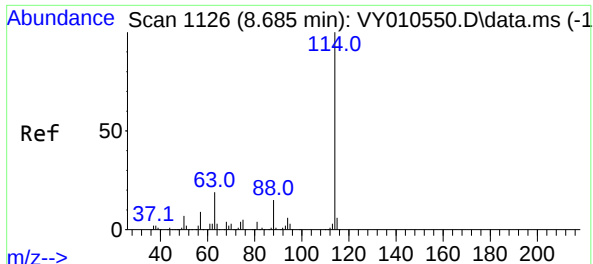
Tgt Ion: 56 Resp: 1475
Ion Ratio Lower Upper
56 100
69 123.9 26.7 40.1#
84 128.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 39.136 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 65 Resp: 21125
Ion Ratio Lower Upper
65 100
67 51.9 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: VY010719.D

Acq: 28 Sep 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-14B-SP-2-GR

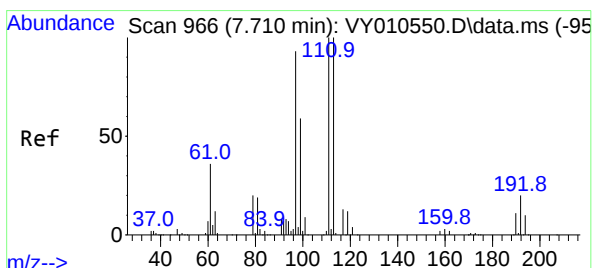
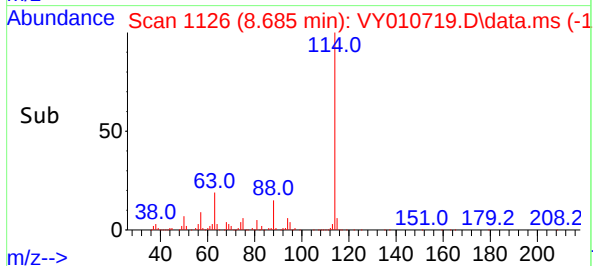
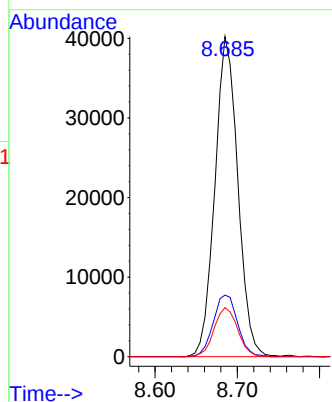
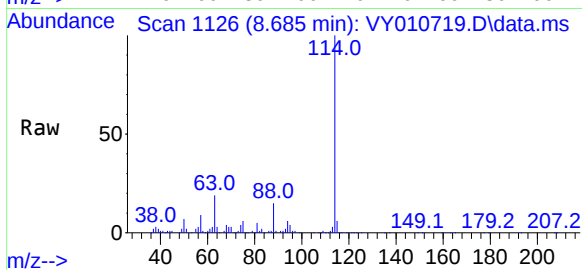
Tgt Ion:114 Resp: 77997

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.609 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

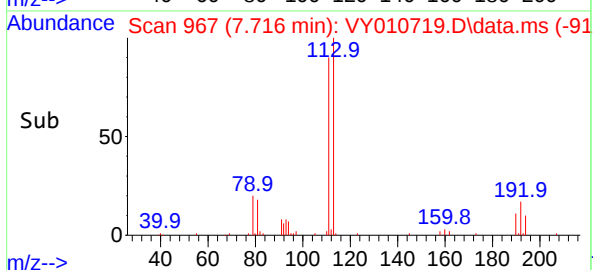
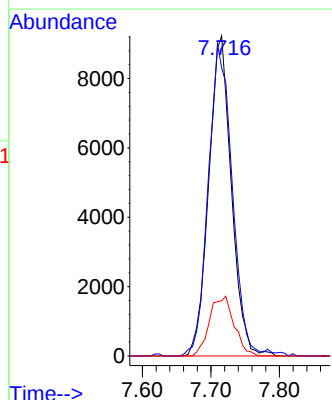
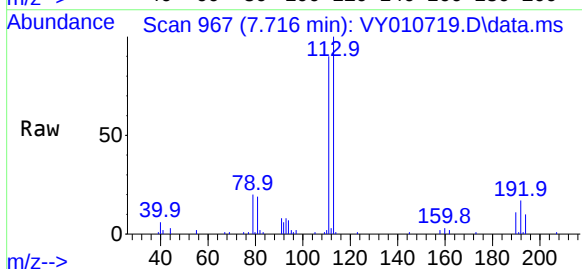
Tgt Ion:113 Resp: 21210

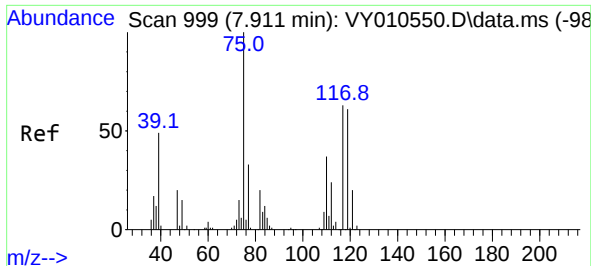
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 20.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 9.406 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-14B-SP-2-GR

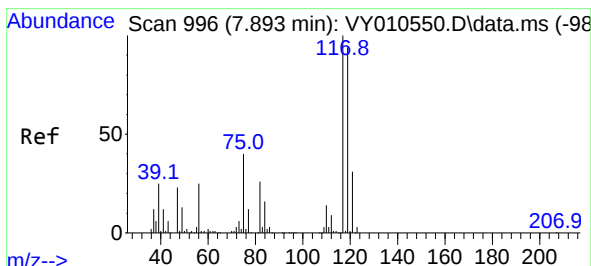
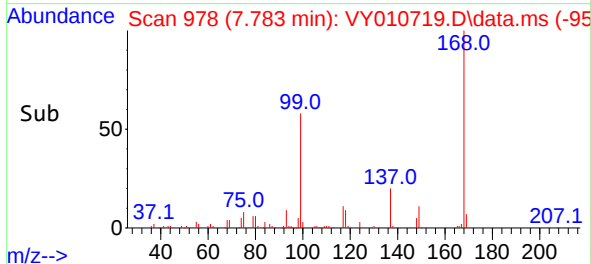
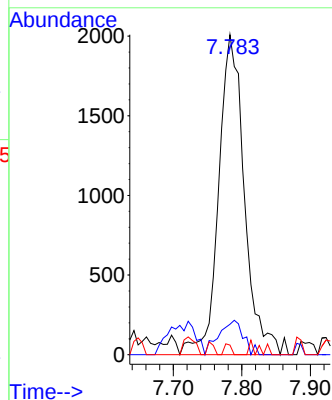
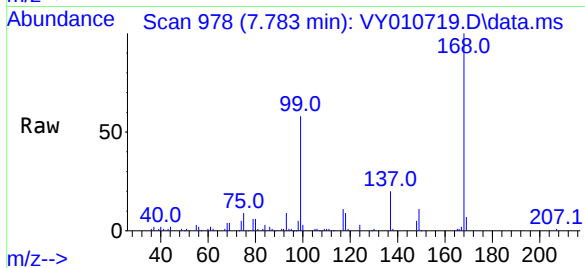
Tgt Ion: 75 Resp: 5217

Ion Ratio Lower Upper

75 100

110 10.4 17.1 51.2#

77 0.9 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 8.736 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

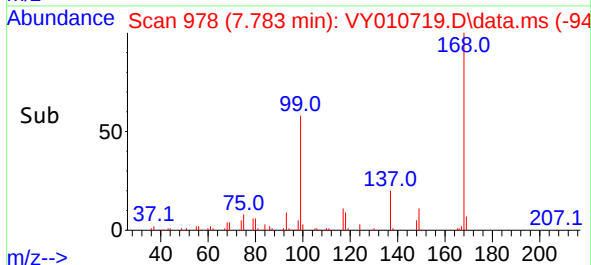
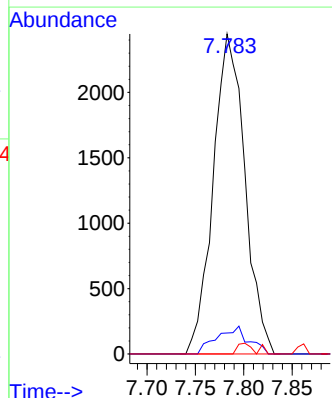
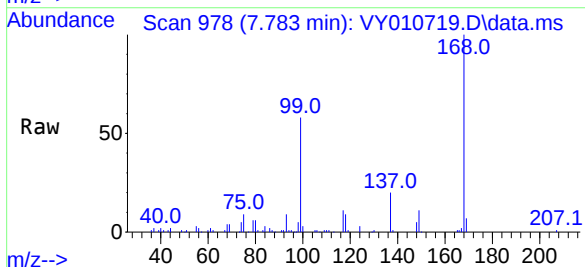
Tgt Ion: 117 Resp: 5571

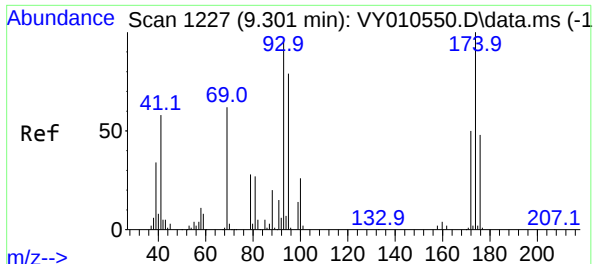
Ion Ratio Lower Upper

117 100

119 6.6 77.9 116.9#

121 0.0 24.8 37.2#





#46

Dibromomethane

Concen: 1.461 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

Instrument :

MSVOA_Y

ClientSampleId :

WC-14B-SP-2-GR

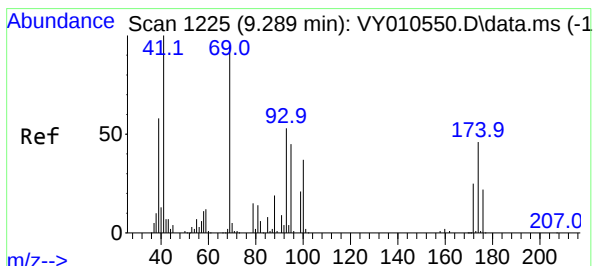
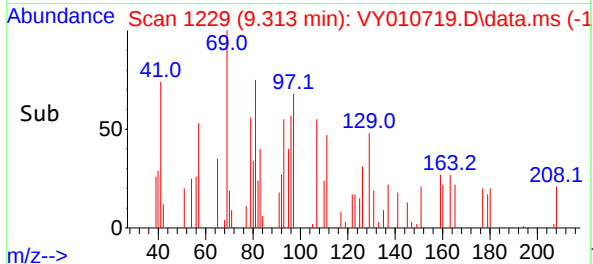
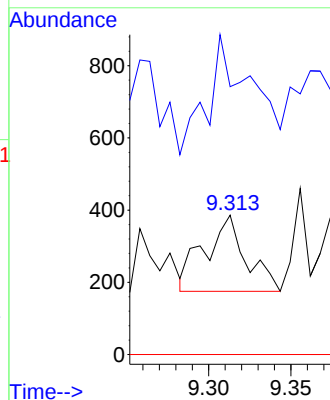
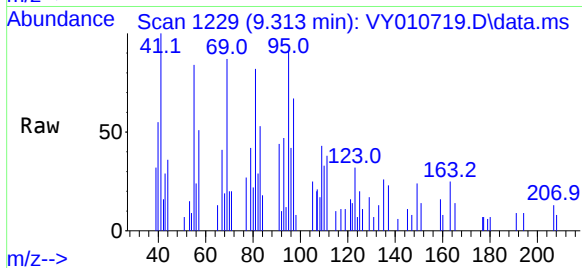
Tgt Ion: 93 Resp: 367

Ion Ratio Lower Upper

93 100

95 166.8 64.3 96.5#

174 0.0 83.4 125.0#



#48

Methyl methacrylate

Concen: 1.196 ug/l

RT: 9.282 min Scan# 1224

Delta R.T. -0.007 min

Lab File: VY010719.D

Acq: 28 Sep 2022 16:14

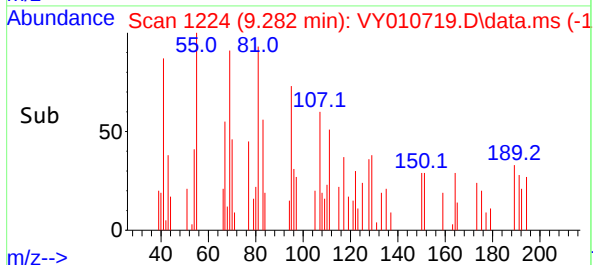
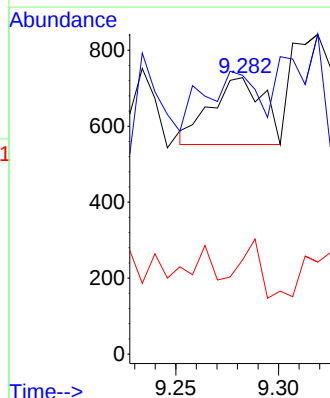
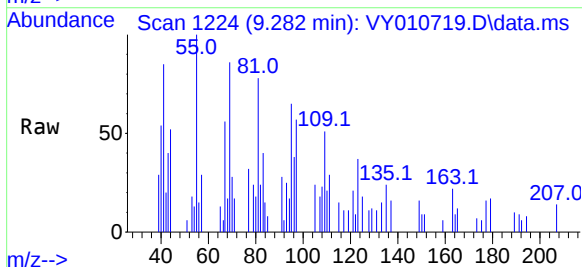
Tgt Ion: 41 Resp: 310

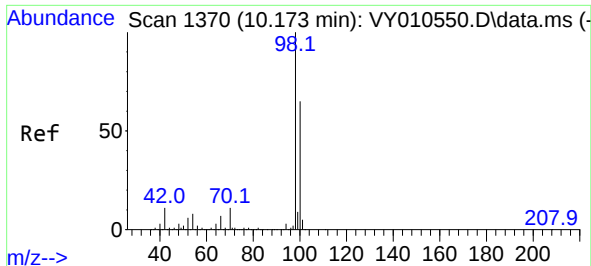
Ion Ratio Lower Upper

41 100

69 87.4 58.2 87.2#

39 30.6 47.4 71.0#

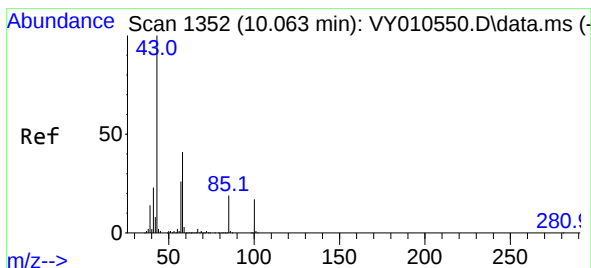
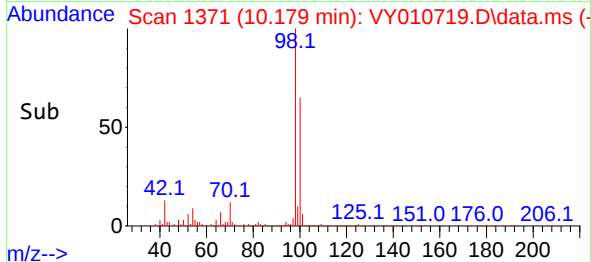
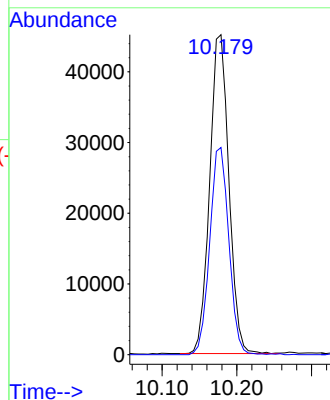
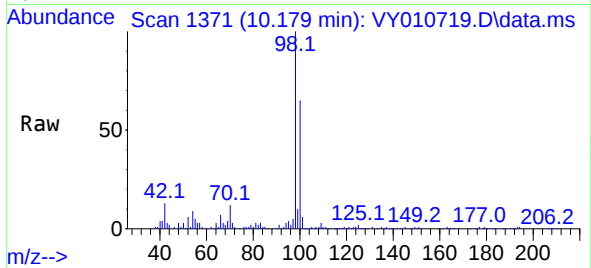




#50
Toluene-d8
Concen: 44.077 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

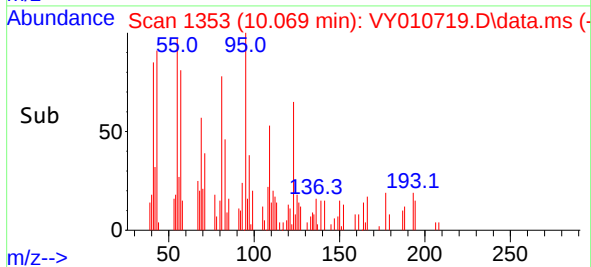
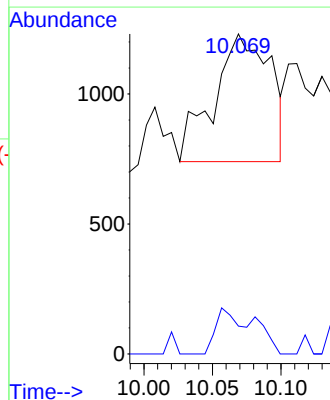
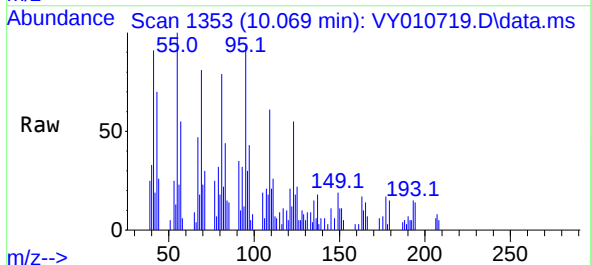
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

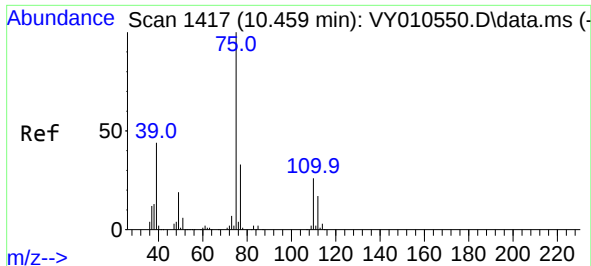
Tgt Ion: 98 Resp: 80361
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 4.241 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
58 15.9 28.1 42.1#

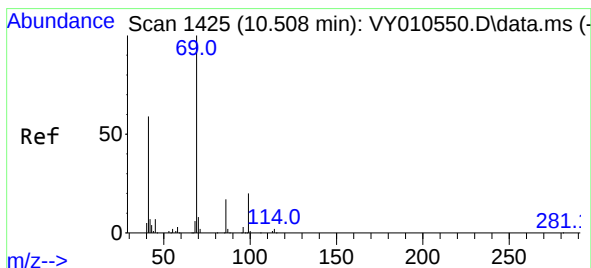
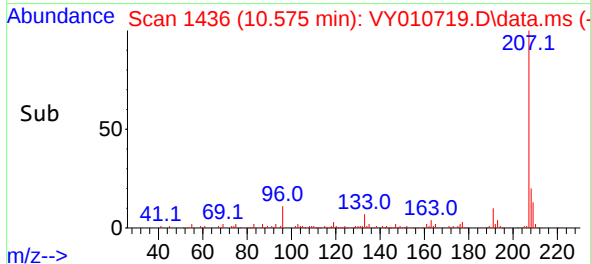
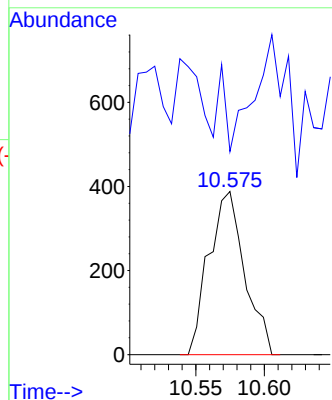
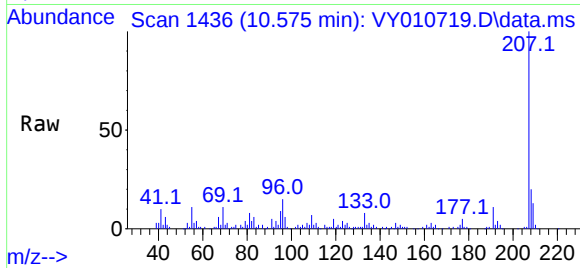




#53
t-1,3-Dichloropropene
Concen: 1.124 ug/l
RT: 10.575 min Scan# 1417
Delta R.T. 0.116 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

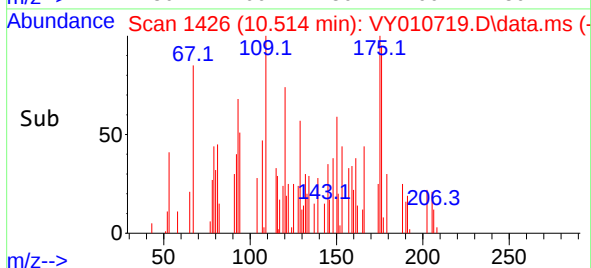
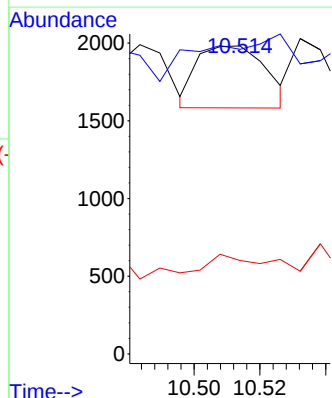
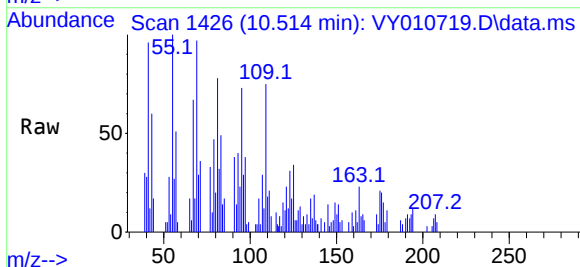
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

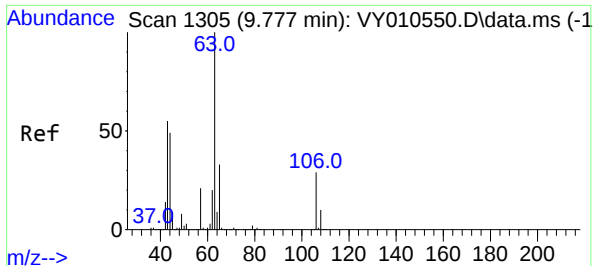
Tgt Ion: 75 Resp: 705
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#56
Ethyl methacrylate
Concen: 1.214 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 69 Resp: 581
Ion Ratio Lower Upper
69 100
41 0.0 63.4 95.0#
39 17.4 35.8 53.8#

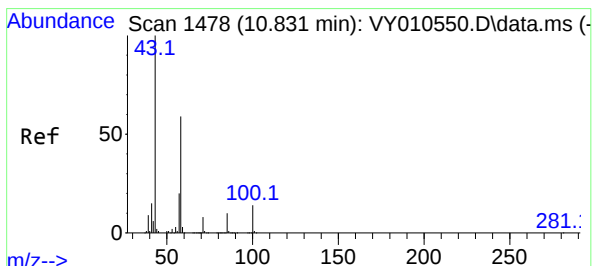
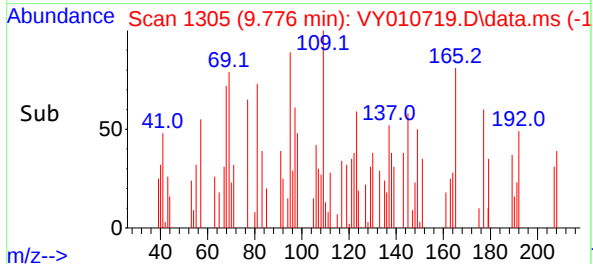
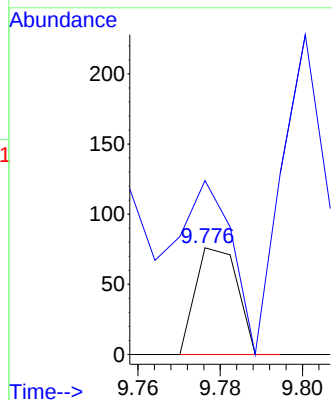
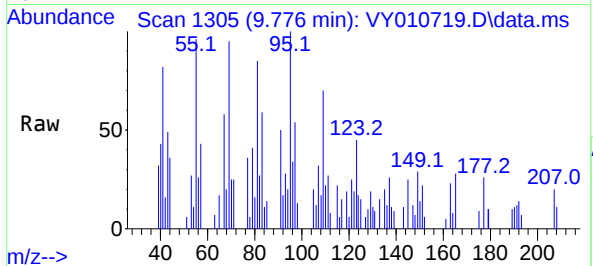




#58
2-Chloroethyl Vinyl ether
Concen: 20.659 ug/l
RT: 9.776 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

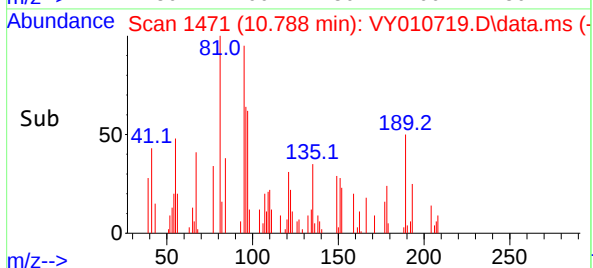
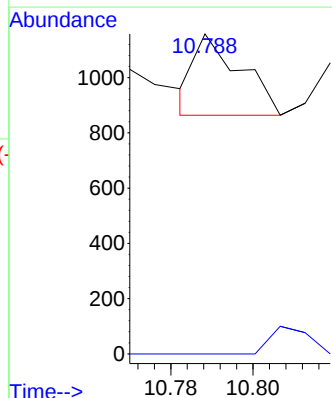
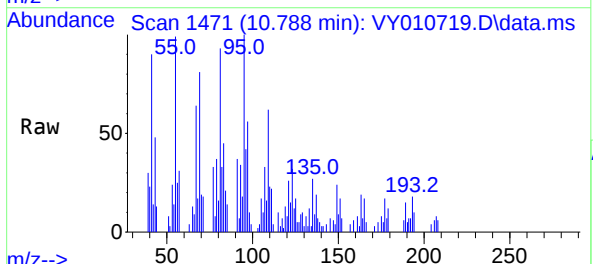
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

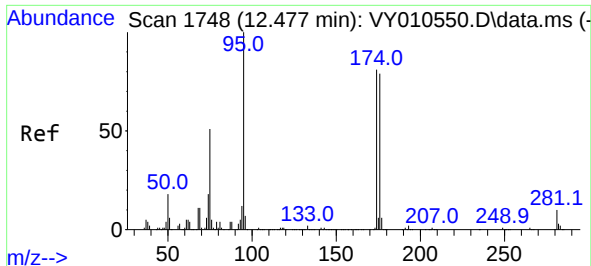
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 1.010 ug/l
RT: 10.788 min Scan# 1471
Delta R.T. -0.043 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
58 28.6 24.4 73.4

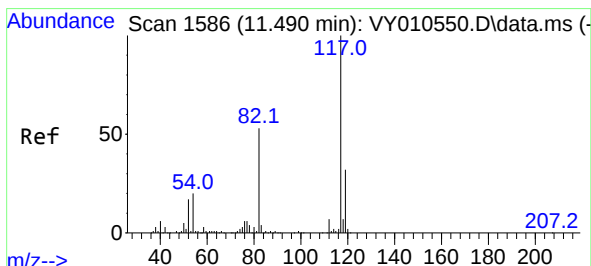
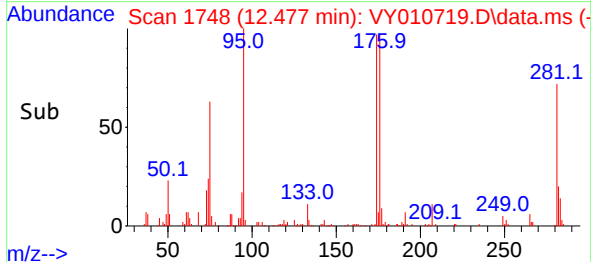
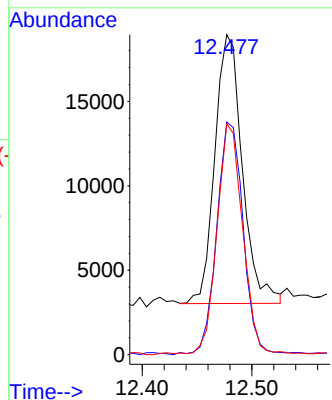
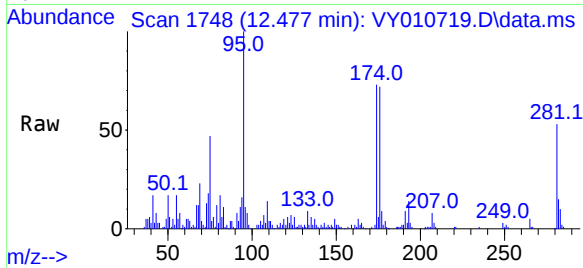




#62
4-Bromofluorobenzene
Concen: 40.107 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

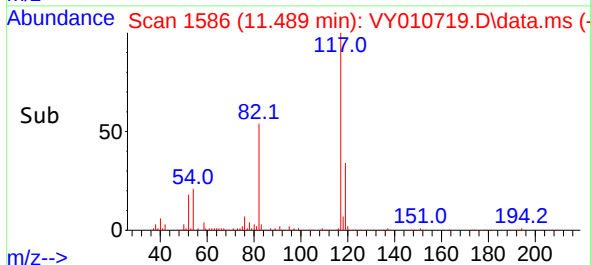
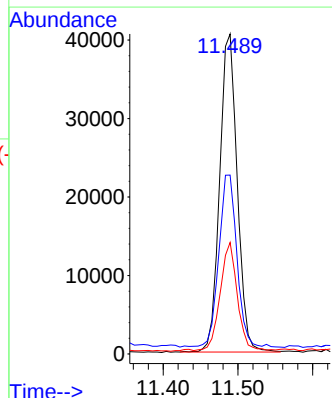
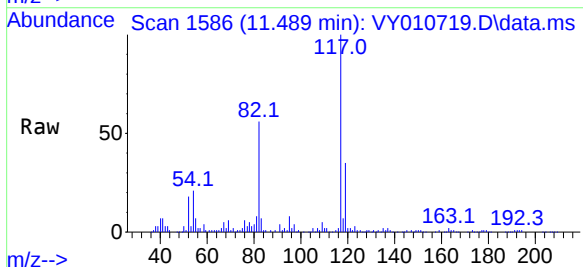
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

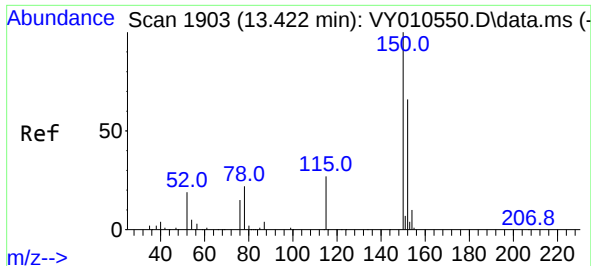
Tgt Ion: 95 Resp: 27748
Ion Ratio Lower Upper
95 100
174 83.0 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 117 Resp: 66450
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 34.0 25.4 38.0

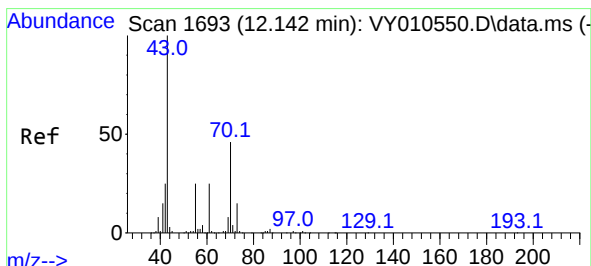
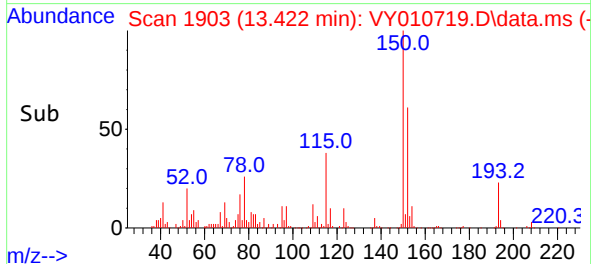
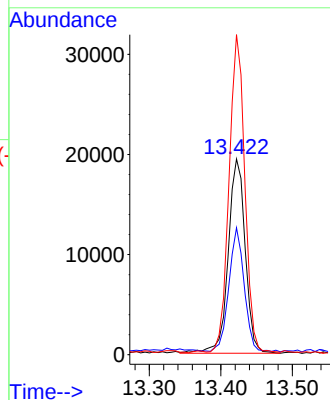
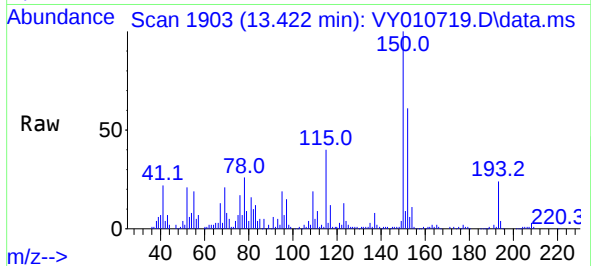




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

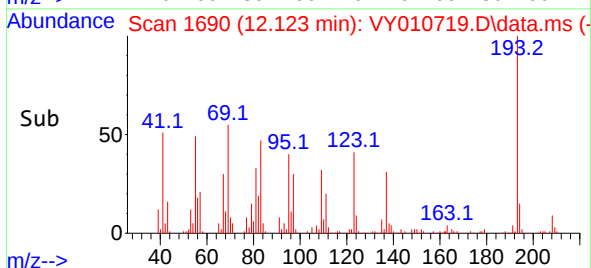
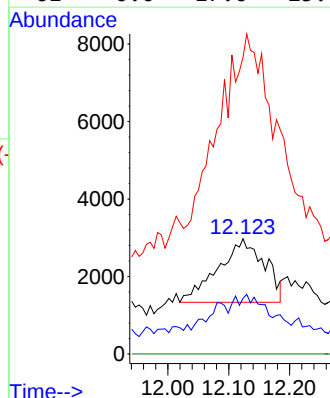
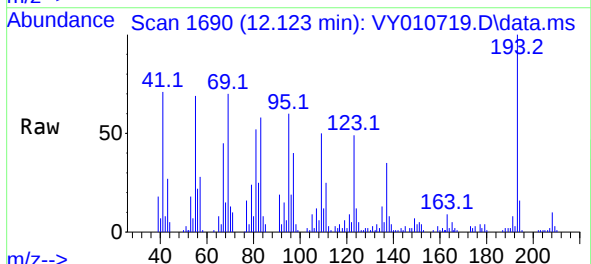
Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

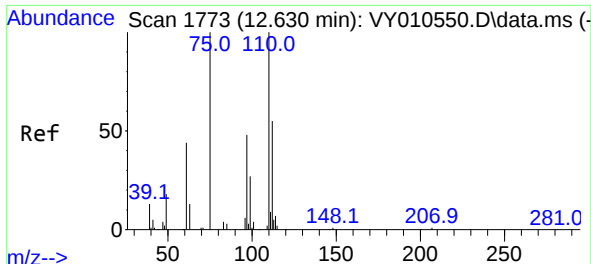
Tgt Ion:152 Resp: 32162
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 150.2 0.0 347.6



#74
N-ethyl acetate
Concen: 17.921 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 43 Resp: 8638
Ion Ratio Lower Upper
43 100
70 3.8 28.7 43.1#
55 428.9 17.3 25.9#
61 0.0 17.0 25.6#

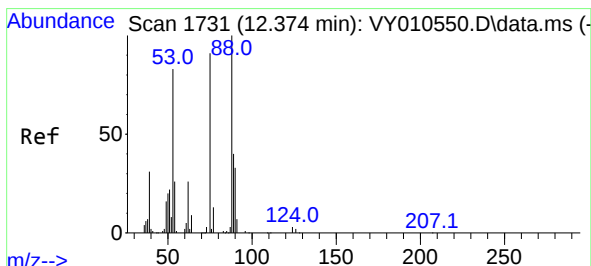
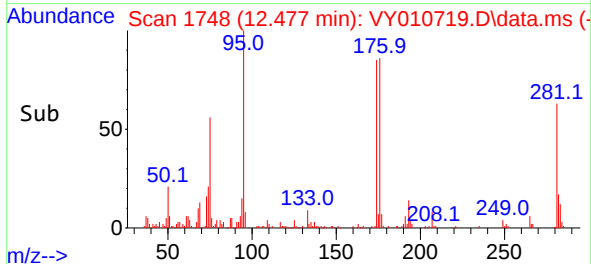
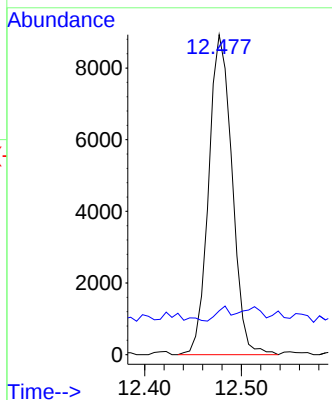
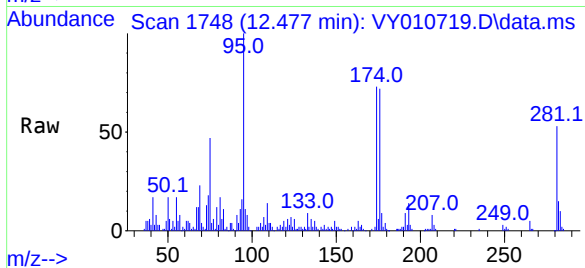




#76
1,2,3-Trichloropropane
Concen: 48.944 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Instrument :
MSVOA_Y
ClientSampleId :
WC-14B-SP-2-GR

Tgt Ion: 75 Resp: 15024
Ion Ratio Lower Upper
75 100
77 3.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.823 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010719.D
Acq: 28 Sep 2022 16:14

Tgt Ion: 75 Resp: 15024
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

