

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010753.D
 Acq On : 30 Sep 2022 16:38
 Operator : KP/MD
 Sample : N4898-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 06:19:02 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)

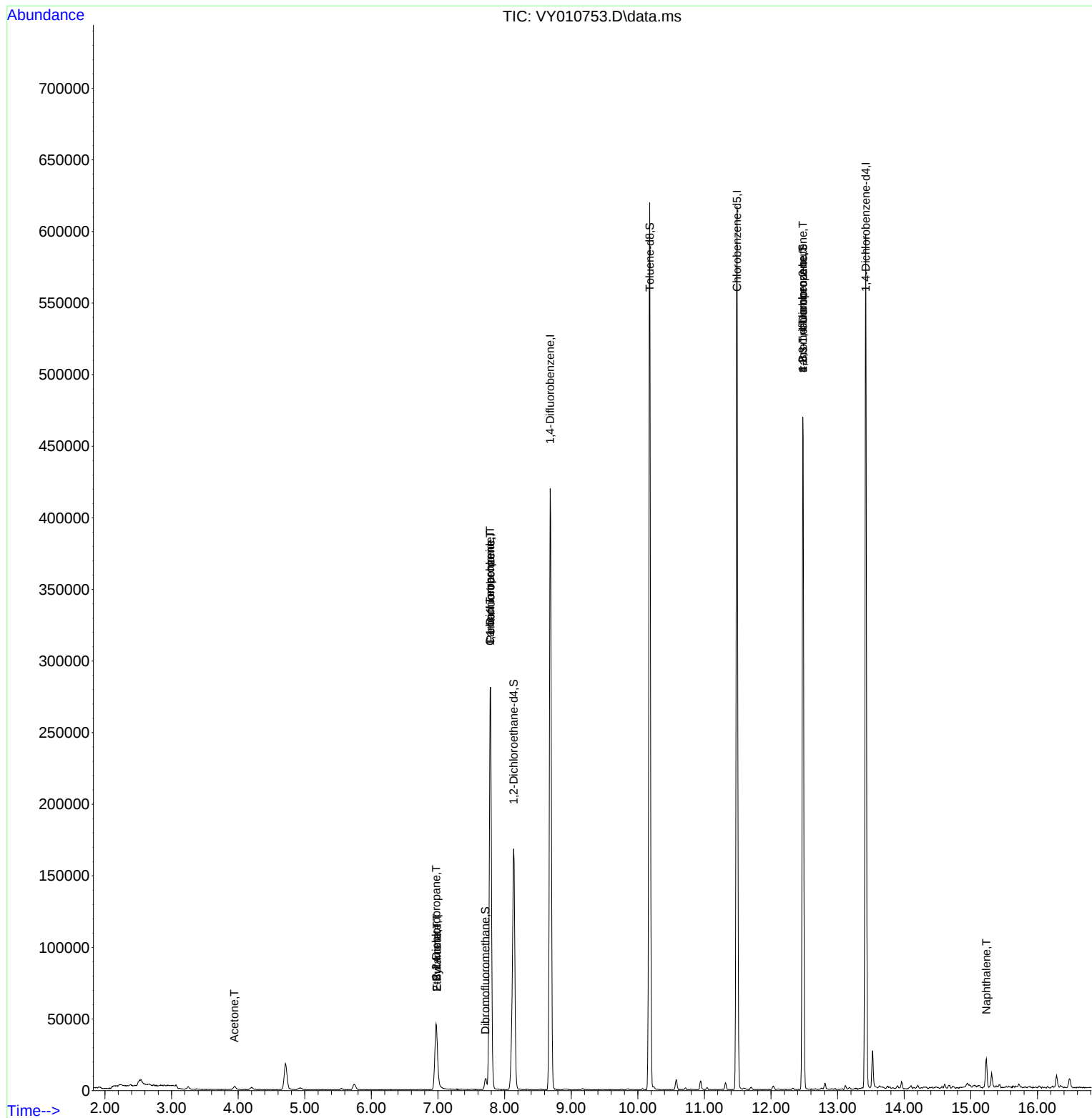
Internal Standards						
1) Pentafluorobenzene	7.789	168	220441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	367100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	327010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	119516	56.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.360%
35) Dibromofluoromethane	7.709	113	5781	2.468	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	4.940%#
50) Toluene-d8	10.179	98	396418	46.046	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.100%
62) 4-Bromofluorobenzene	12.477	95	140812	43.467	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.940%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	580	Below Cal		92
3) Chloromethane	2.113	50	350	Below Cal		99
4) Vinyl Chloride	2.277	62	28	Below Cal	#	43
5) Bromomethane	2.662	94	396	Below Cal	#	44
11) Tert butyl alcohol	4.929	59	1666	Below Cal	#	77
16) Acetone	3.942	43	4313	10.031	ug/l	91
17) Carbon Disulfide	4.186	76	424	Below Cal	#	75
18) Methyl Acetate	4.686	43	50	Below Cal	#	56
20) Methylene Chloride	4.710	84	13847	Below Cal	#	79
25) 2-Butanone	6.984	43	3445	5.122	ug/l	# 88
26) 2,2-Dichloropropane	6.972	77	3339	1.044	ug/l	# 55
31) Cyclohexane	7.789	56	4587	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	16742	6.414	ug/l	# 50
37) Ethyl Acetate	6.984	43	3445	2.285	ug/l	# 17
38) Carbon Tetrachloride	7.783	117	21208	7.066	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	72275	50.889	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	72275	113.149	ug/l	# 7
95) Naphthalene	15.232	128	16986	3.493	ug/l	99

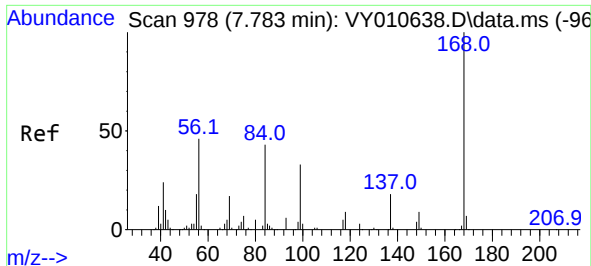
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 06:19:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
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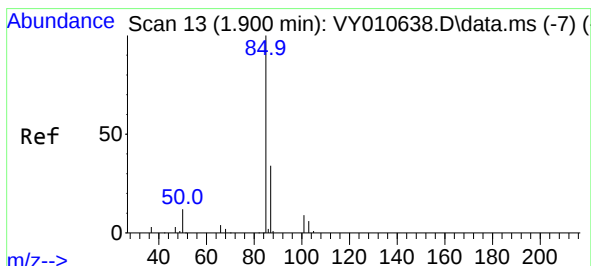
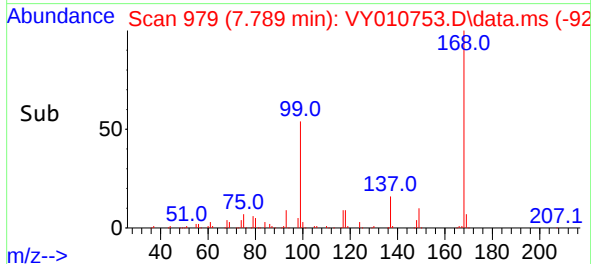
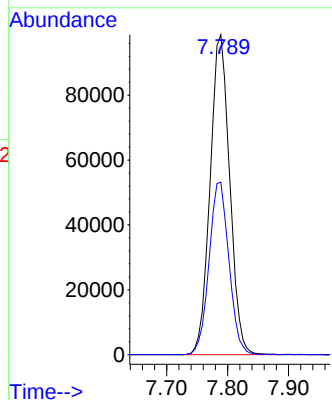
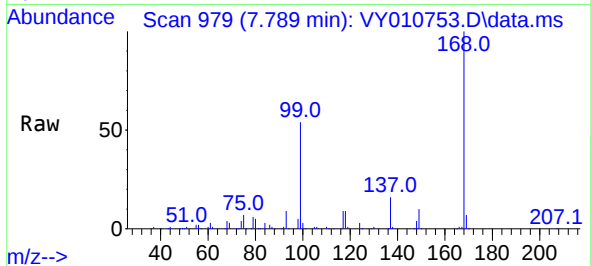




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

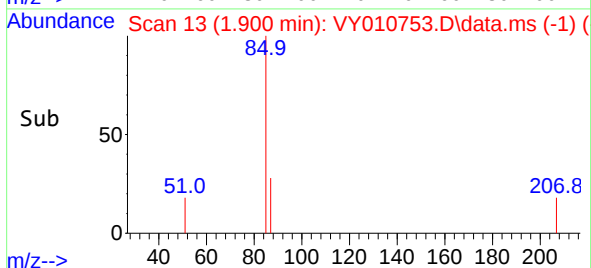
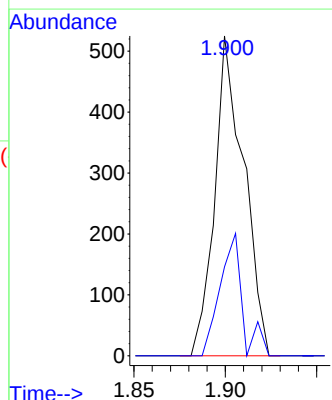
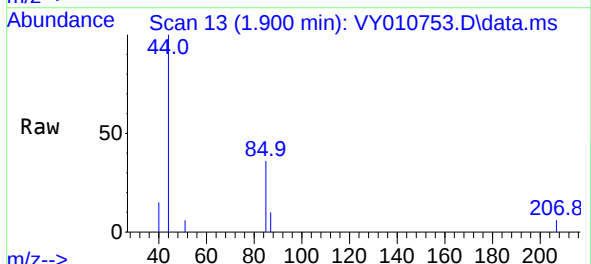
Instrument :
MSVOA_Y
ClientSampleId :

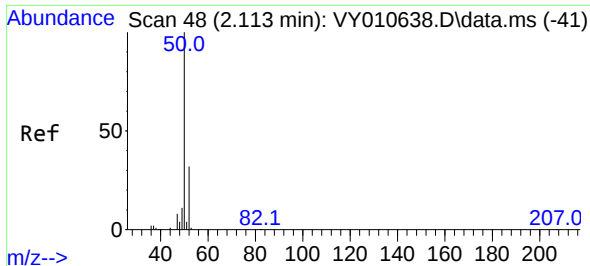
Tgt Ion:168 Resp: 220441
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

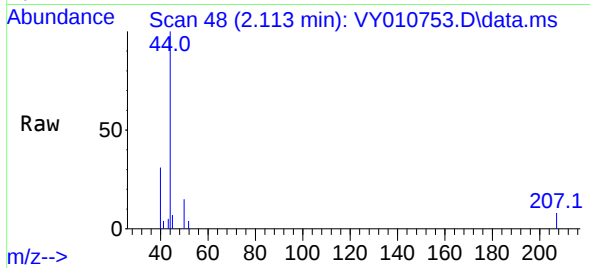
Tgt Ion: 85 Resp: 580
Ion Ratio Lower Upper
85 100
87 27.8 16.1 48.2



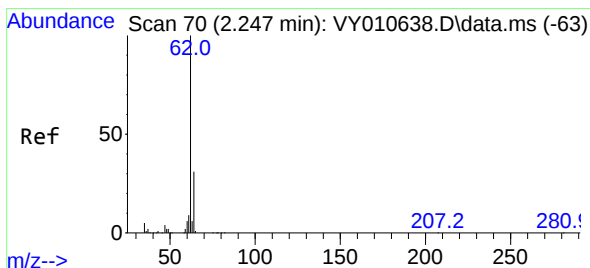
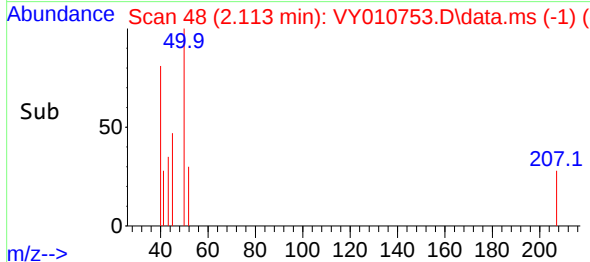
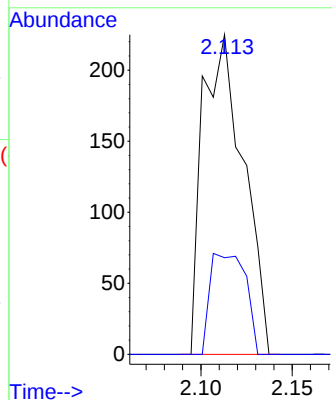


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

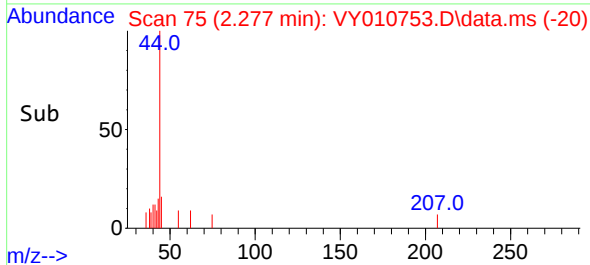
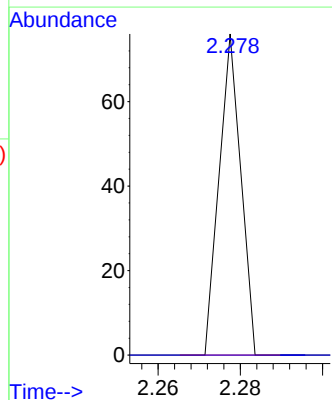
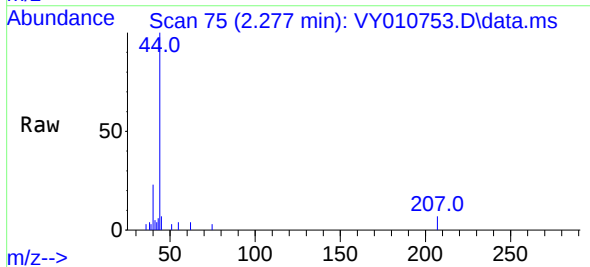


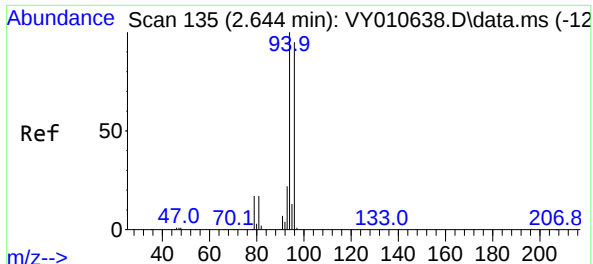
Tgt Ion: 50 Resp: 350
Ion Ratio Lower Upper
50 100
52 30.2 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.277 min Scan# 75
Delta R.T. 0.036 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

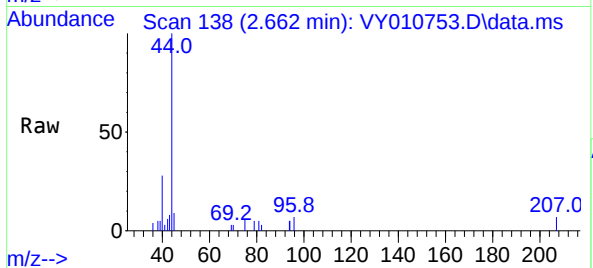
Tgt Ion: 62 Resp: 28
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



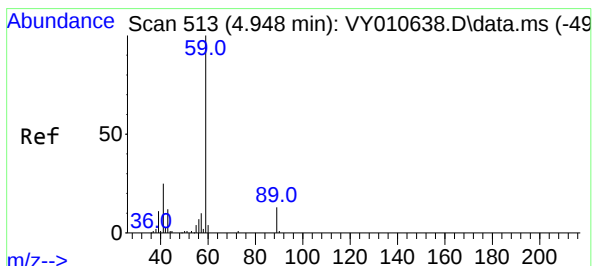
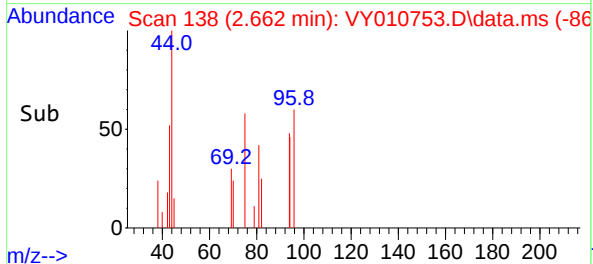
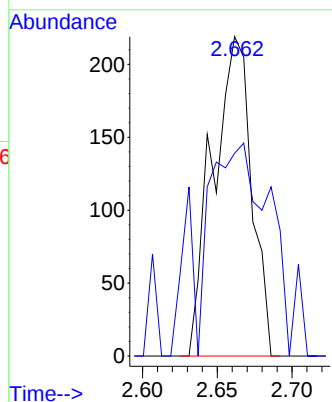


#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

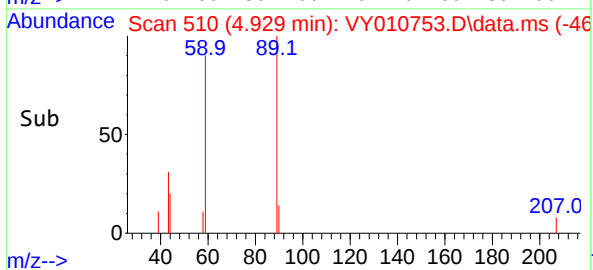
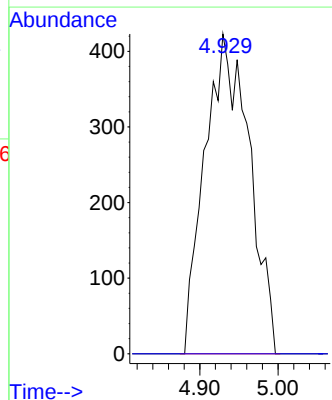
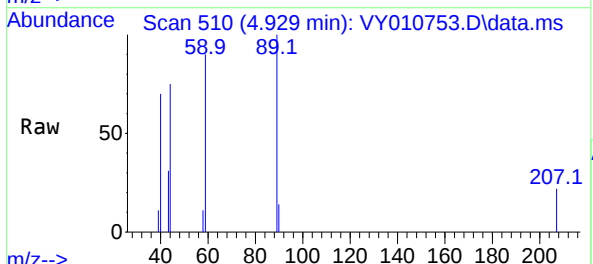


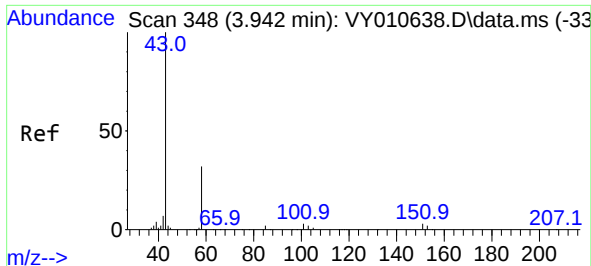
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 38.4 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.929 min Scan# 510
Delta R.T. -0.013 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Tgt Ion: 59 Resp: 1666
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

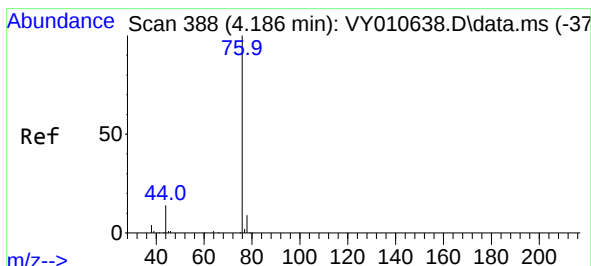
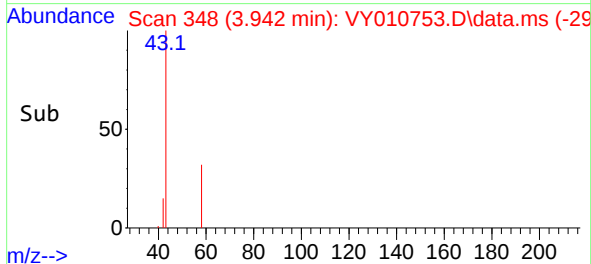
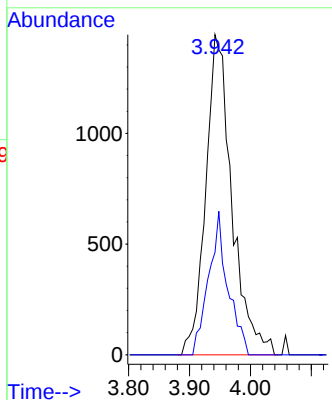
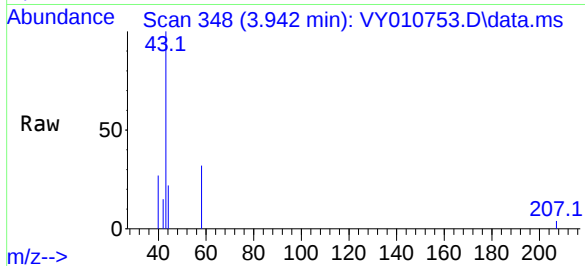




#16
Acetone
Concen: 10.031 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

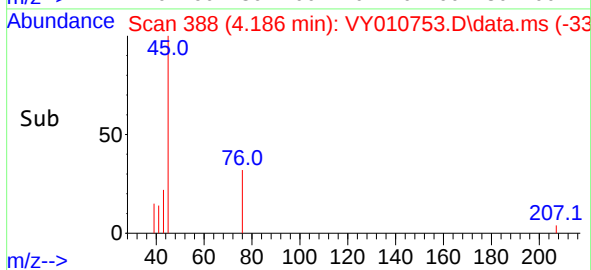
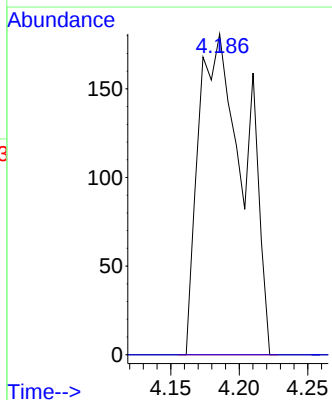
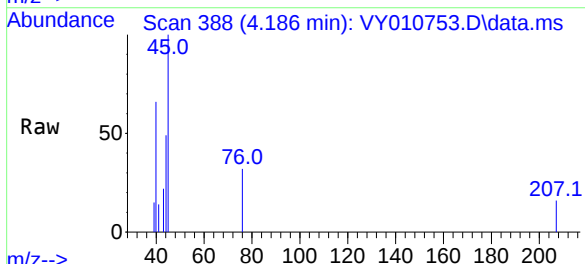
Instrument :
MSVOA_Y
ClientSampleId :

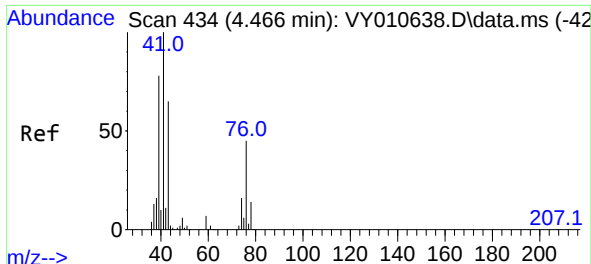
Tgt Ion: 43 Resp: 4313
Ion Ratio Lower Upper
43 100
58 32.0 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Tgt Ion: 76 Resp: 424
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.686 min Scan# 41

Delta R.T. 0.220 min

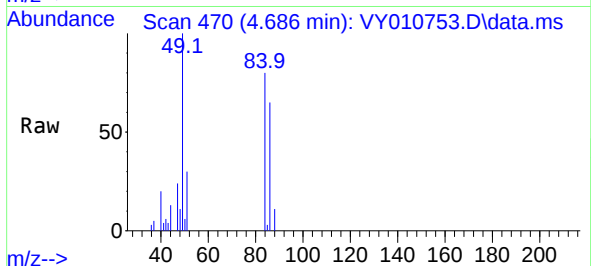
Lab File: VY010753.D

Acq: 30 Sep 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

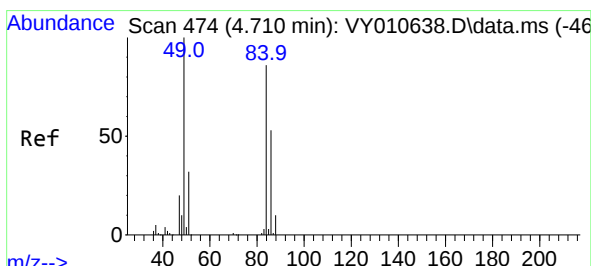
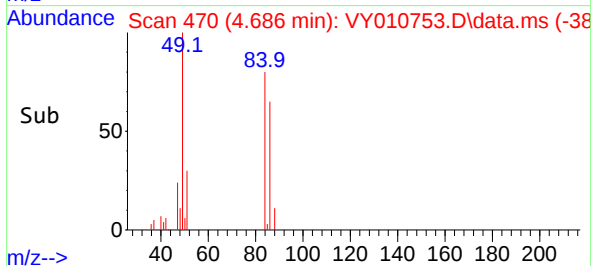
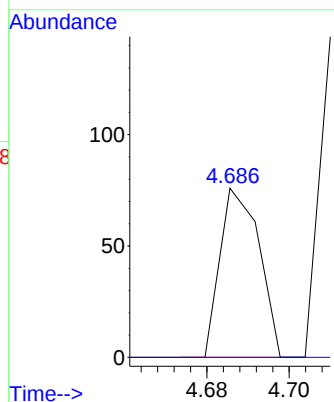


Tgt Ion: 43 Resp: 50

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.000 min

Lab File: VY010753.D

Acq: 30 Sep 2022 16:38

Tgt Ion: 84 Resp: 13847

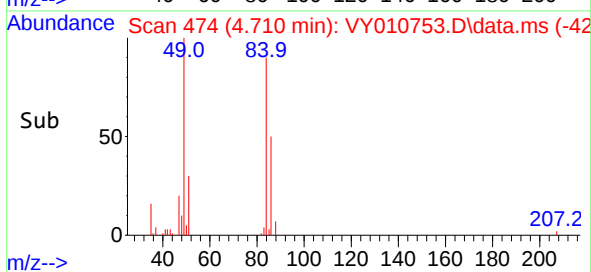
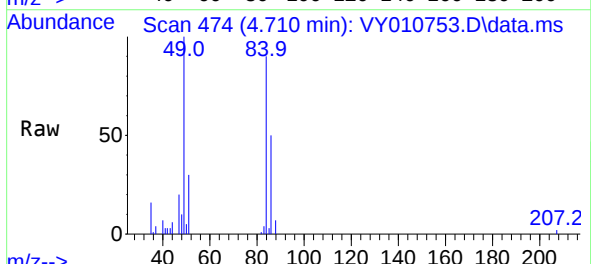
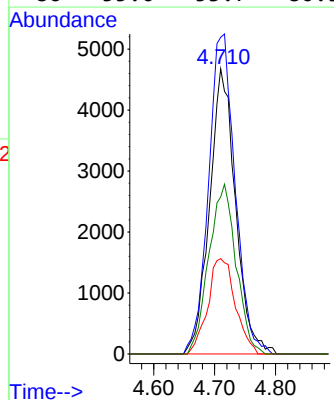
Ion Ratio Lower Upper

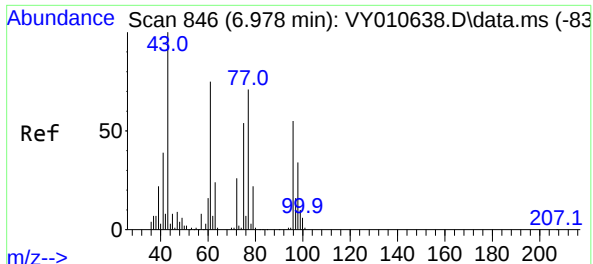
84 100

49 111.0 114.4 171.6#

51 33.5 35.3 52.9#

86 55.0 53.7 80.5





#25

2-Butanone

Concen: 5.122 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

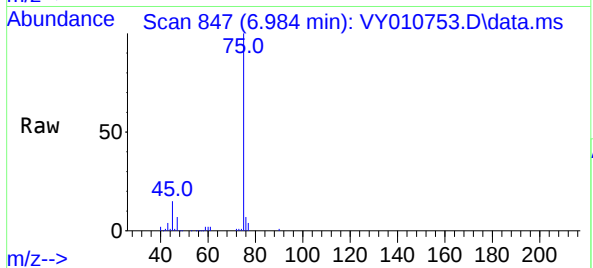
Lab File: VY010753.D

Acq: 30 Sep 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

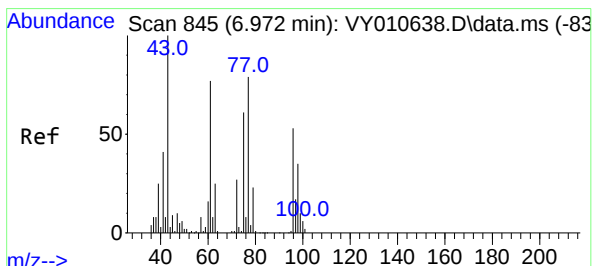
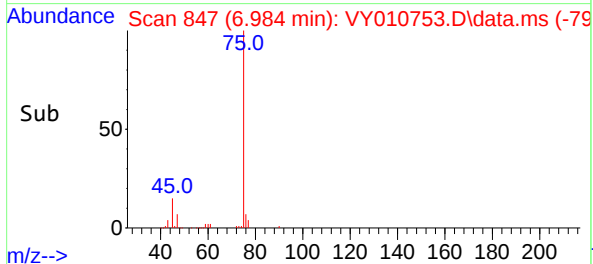
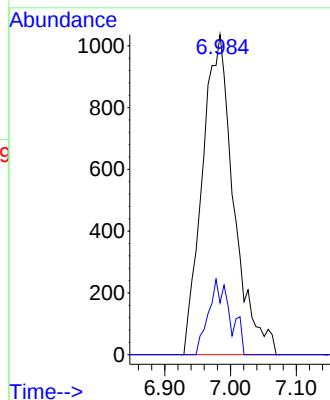


Tgt Ion: 43 Resp: 3445

Ion Ratio Lower Upper

43 100

72 16.2 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.044 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010753.D

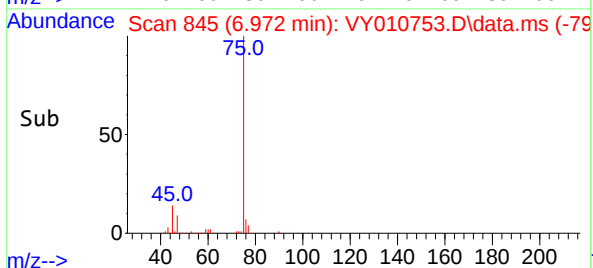
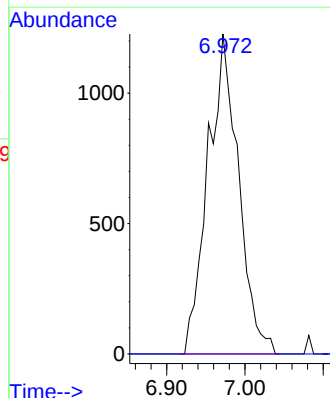
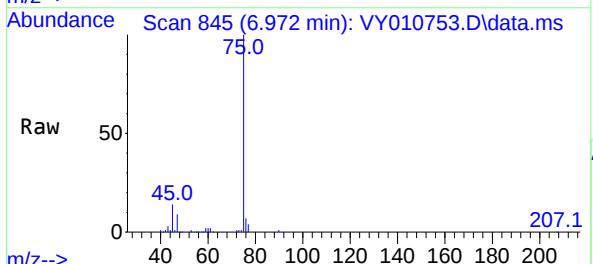
Acq: 30 Sep 2022 16:38

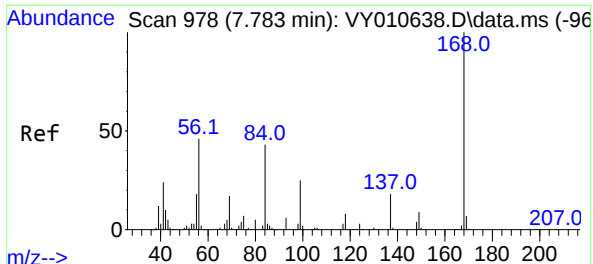
Tgt Ion: 77 Resp: 3339

Ion Ratio Lower Upper

77 100

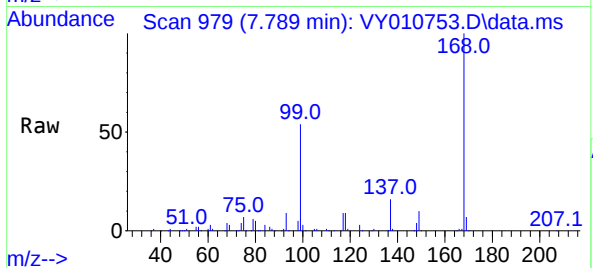
97 0.0 10.4 31.4#



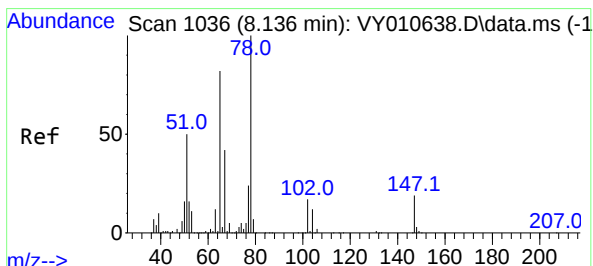
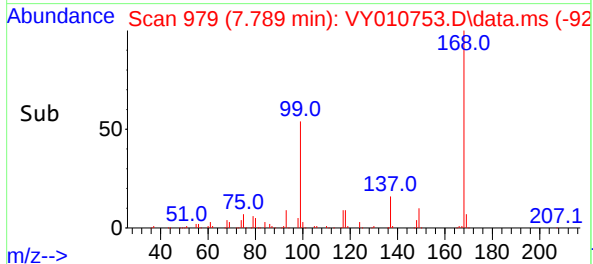
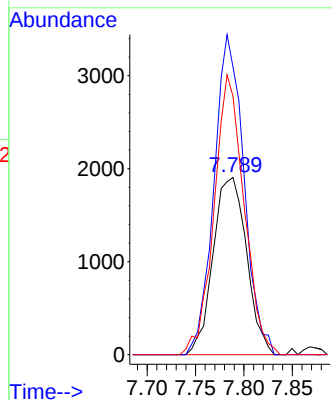


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

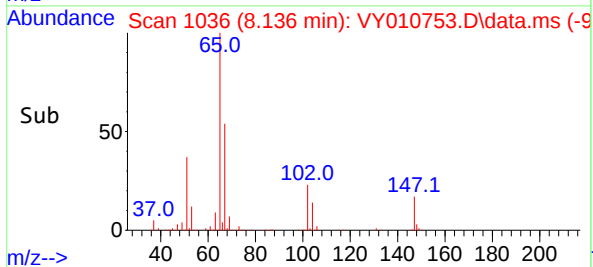
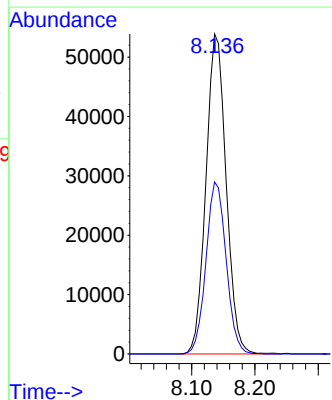
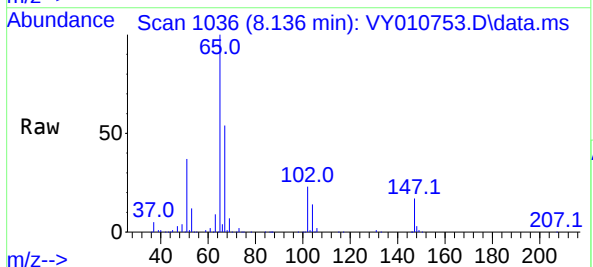


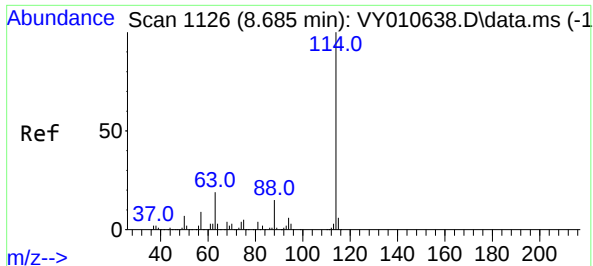
Tgt Ion: 56 Resp: 4587
Ion Ratio Lower Upper
56 100
69 162.2 26.7 40.1#
84 145.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.684 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Tgt Ion: 65 Resp: 119516
Ion Ratio Lower Upper
65 100
67 53.7 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: VY010753.D

Acq: 30 Sep 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

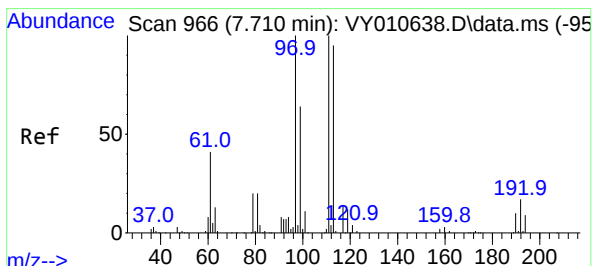
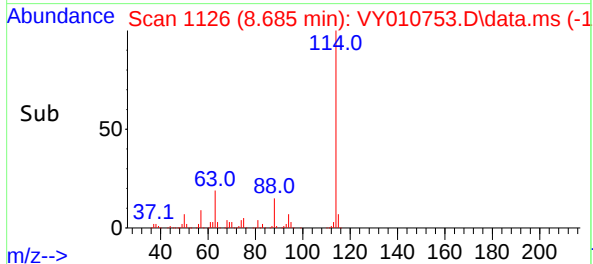
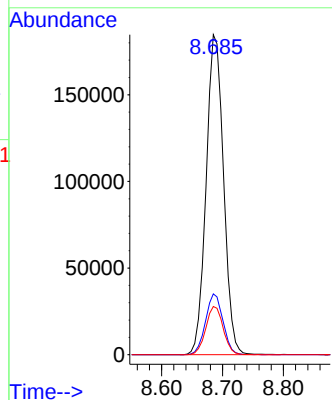
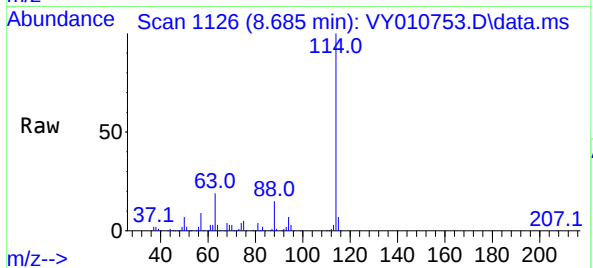
Tgt Ion:114 Resp: 367100

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 2.468 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.001 min

Lab File: VY010753.D

Acq: 30 Sep 2022 16:38

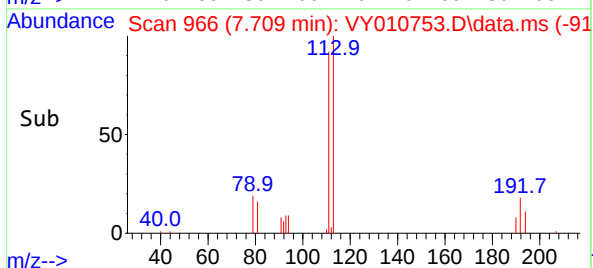
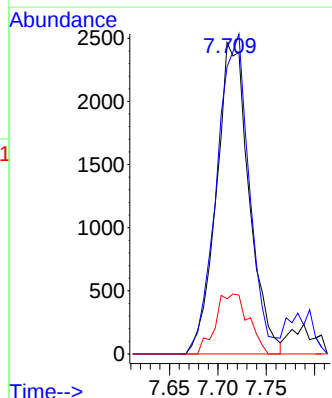
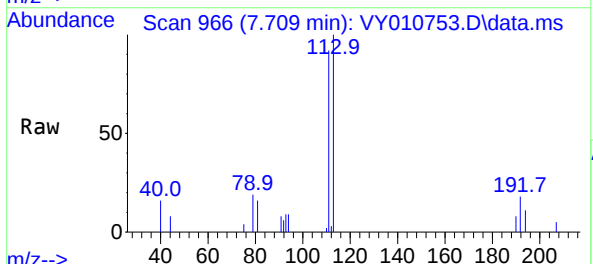
Tgt Ion:113 Resp: 5781

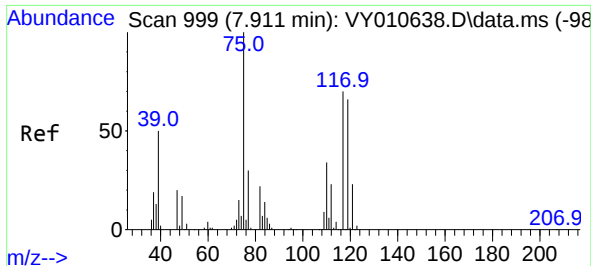
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.4 17.6 26.4

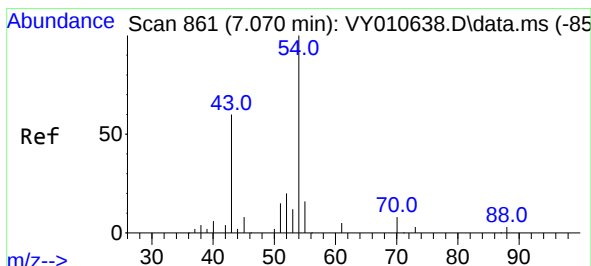
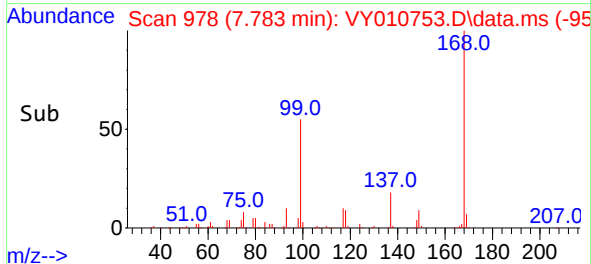
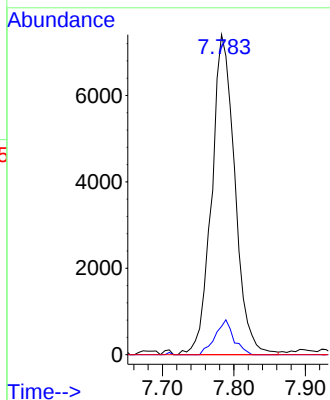
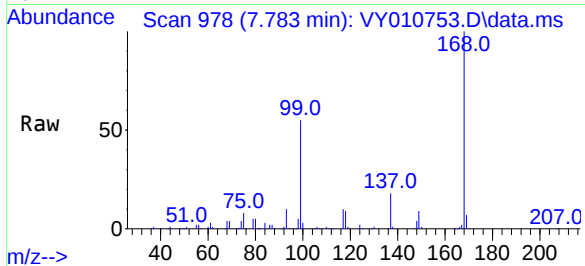




#36
1,1-Dichloropropene
Concen: 6.414 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

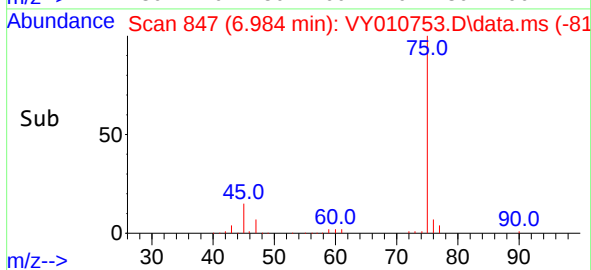
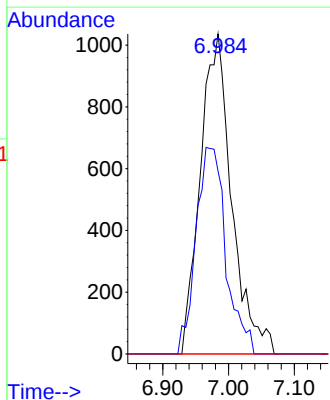
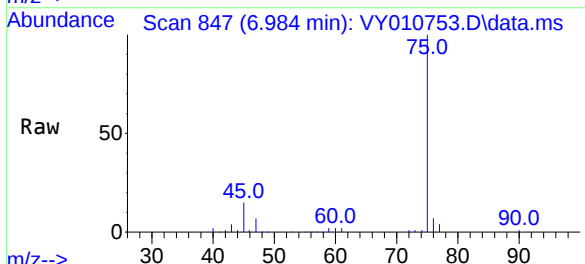
Instrument :
MSVOA_Y
ClientSampleId :

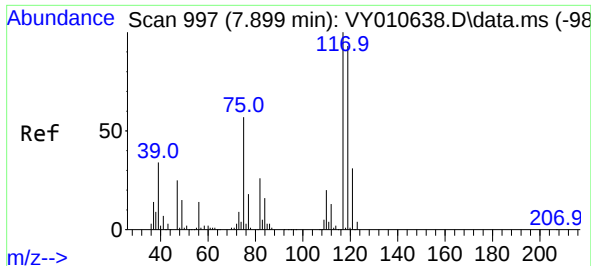
Tgt Ion: 75 Resp: 16742
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.285 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.086 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

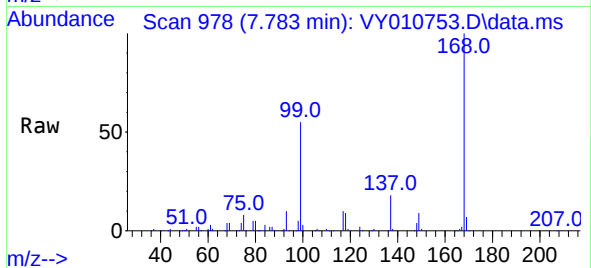
Tgt Ion: 43 Resp: 3445
Ion Ratio Lower Upper
43 100
61 61.3 9.7 14.5#
70 0.0 7.1 10.7#



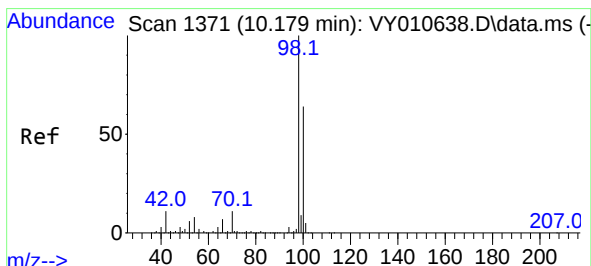
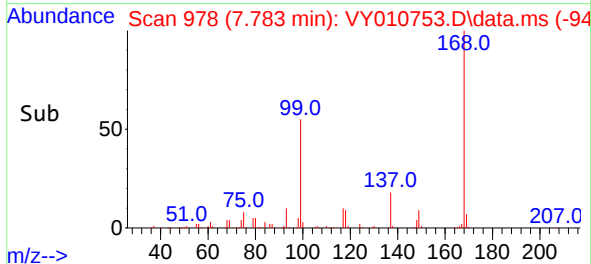
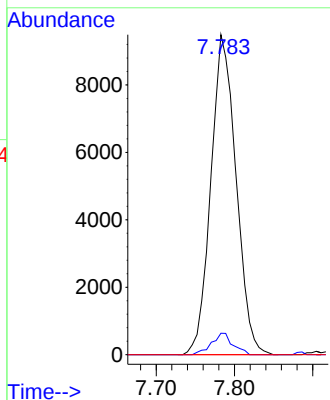


#38
Carbon Tetrachloride
Concen: 7.066 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

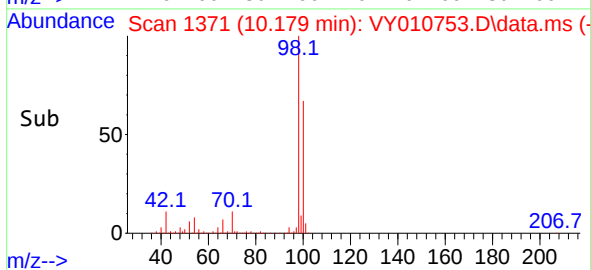
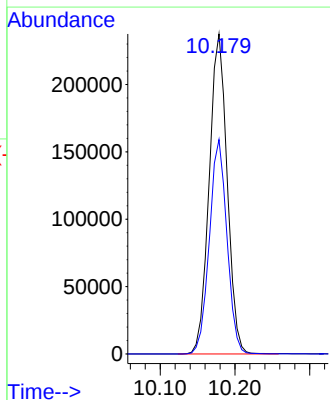
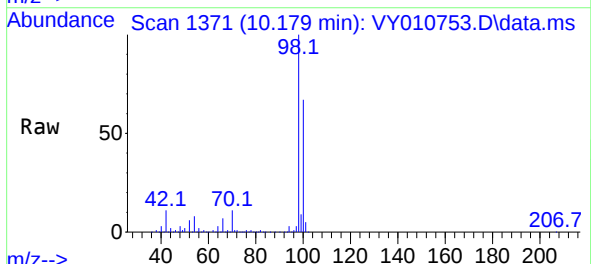


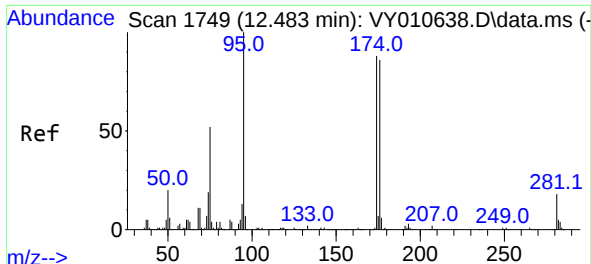
Tgt Ion:117 Resp: 21208
Ion Ratio Lower Upper
117 100
119 6.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.046 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Tgt Ion: 98 Resp: 396418
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2

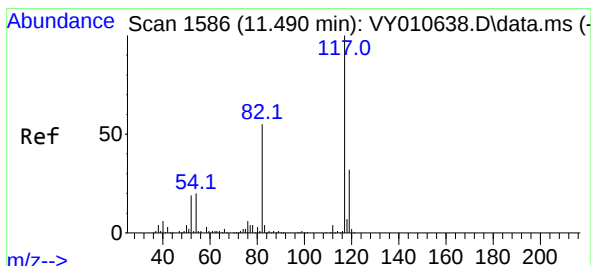
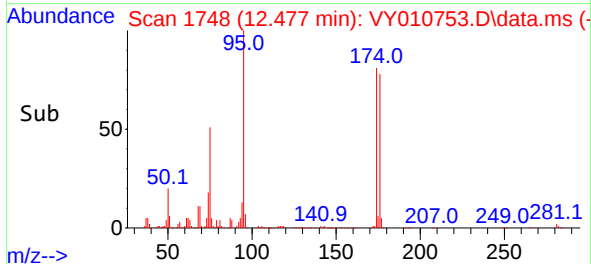
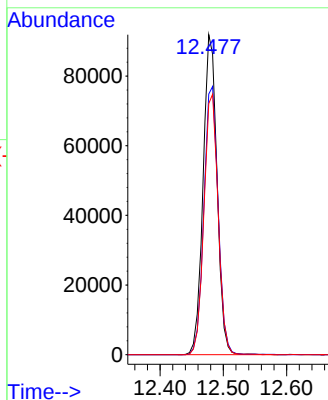
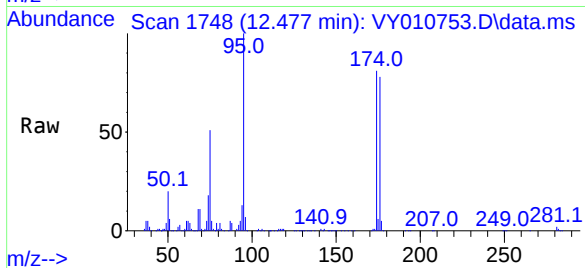




#62
4-Bromofluorobenzene
Concen: 43.467 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

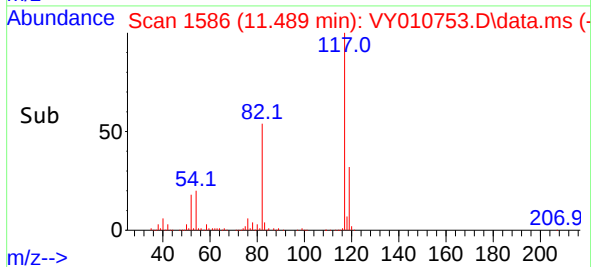
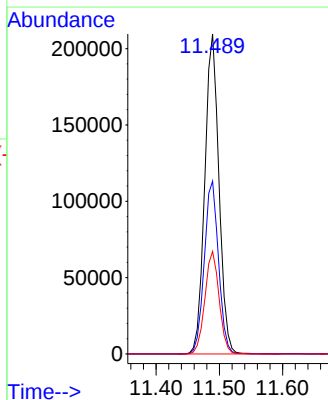
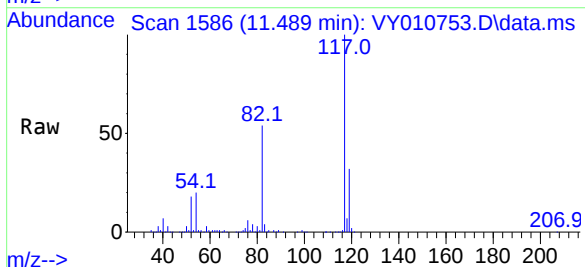
Instrument :
MSVOA_Y
ClientSampleId :

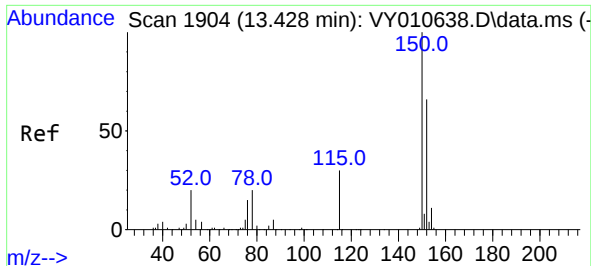
Tgt Ion: 95 Resp: 140812
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 83.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

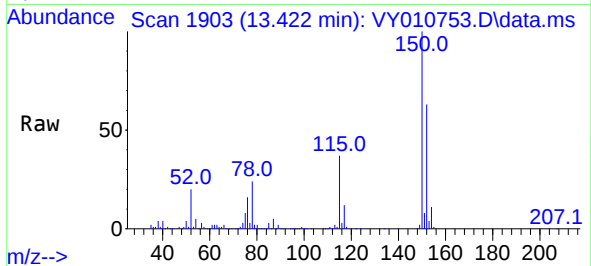
Tgt Ion: 117 Resp: 327010
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 32.0 25.4 38.0



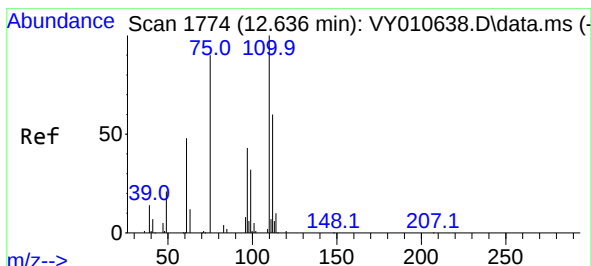
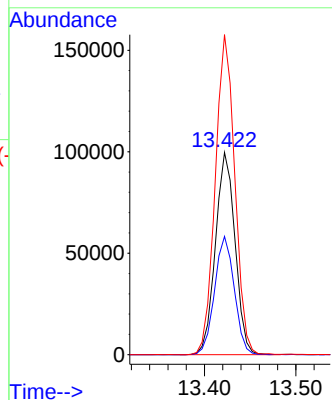
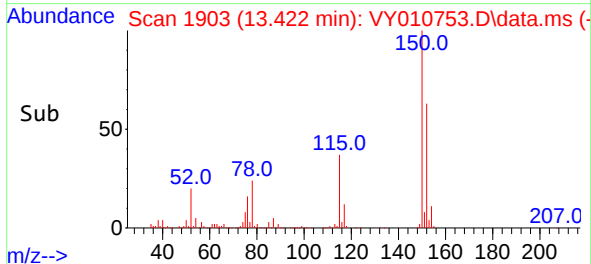


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

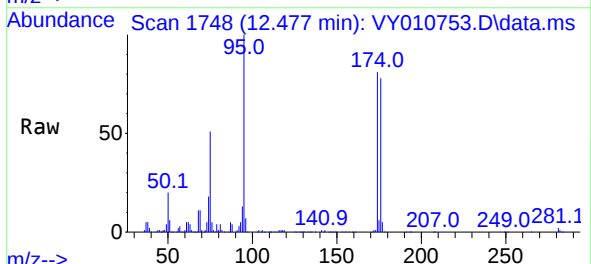
Instrument :
MSVOA_Y
ClientSampleId :



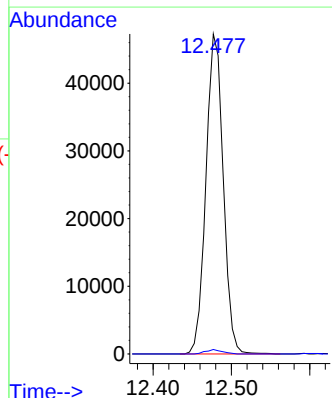
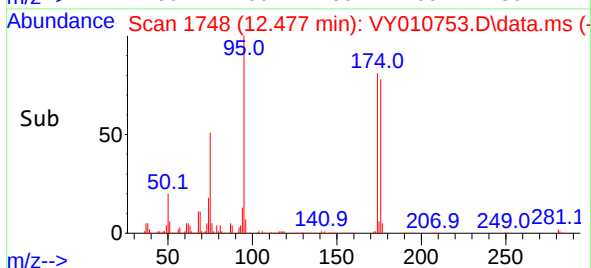
Tgt Ion:152 Resp: 148805
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 157.7 0.0 347.6

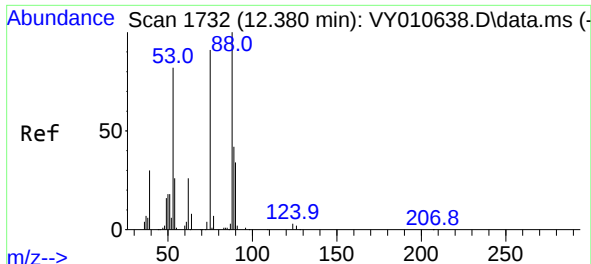


#76
1,2,3-Trichloropropane
Concen: 50.889 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38



Tgt Ion: 75 Resp: 72275
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

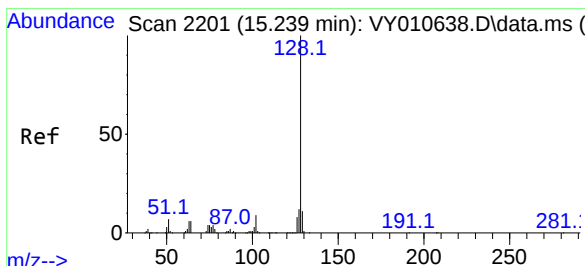
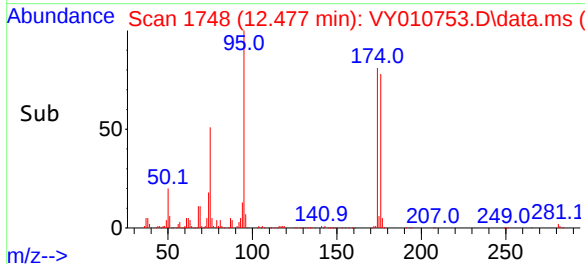
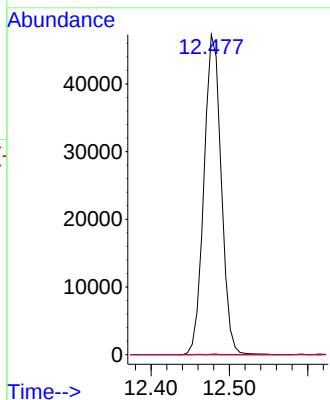
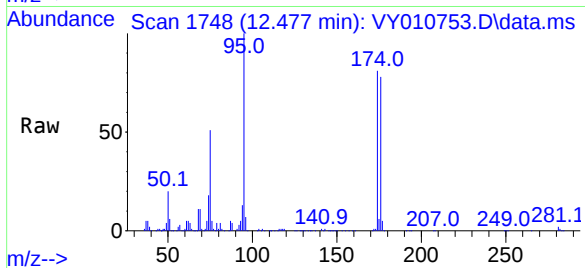




#81
trans-1,4-Dichloro-2-butene
Concen: 113.149 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 72275
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.493 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.001 min
Lab File: VY010753.D
Acq: 30 Sep 2022 16:38

Tgt Ion: 128 Resp: 16986
Ion Ratio Lower Upper
128 100
127 13.3 11.0 16.4
129 10.8 8.4 12.6

