

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010603.D
 Acq On : 21 Sep 2022 16:55
 Operator : KP/MD
 Sample : N4697-15
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:10:48 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)

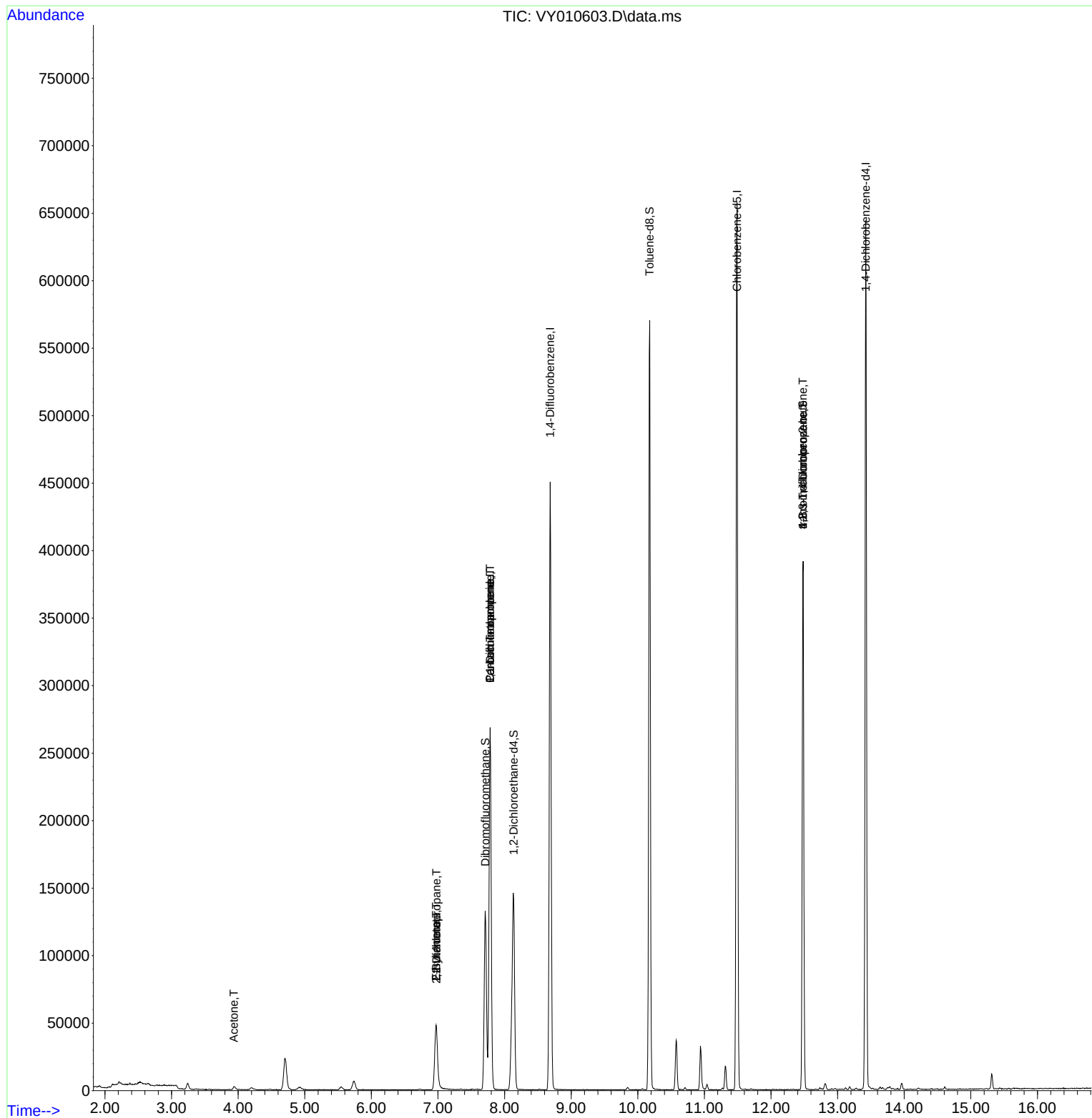
Internal Standards						
1) Pentafluorobenzene	7.783	168	207605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	382422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	367175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	166093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	96963	48.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.660%
35) Dibromofluoromethane	7.710	113	93089	38.142	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.280%
50) Toluene-d8	10.179	98	369959	41.577	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.160%
62) 4-Bromofluorobenzene	12.477	95	116137	33.819	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	67.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	553	Below Cal		72
3) Chloromethane	2.113	50	668	Below Cal	#	77
4) Vinyl Chloride	2.253	62	20	Below Cal	#	43
5) Bromomethane	2.650	94	259	Below Cal		88
11) Tert butyl alcohol	4.918	59	1214	Below Cal	#	77
16) Acetone	3.936	43	3969	9.802	ug/l	90
17) Carbon Disulfide	4.186	76	68	Below Cal	#	75
18) Methyl Acetate	4.466	43	597	Below Cal	#	66
20) Methylene Chloride	4.704	84	18275	Below Cal	#	83
25) 2-Butanone	6.972	43	2855	4.508	ug/l	# 77
26) 2,2-Dichloropropane	6.978	77	3689	1.225	ug/l	# 55
31) Cyclohexane	7.783	56	4222	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	17065	6.275	ug/l	# 51
37) Ethyl Acetate	6.972	43	2855	1.818	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	20843	6.666	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	61193	38.602	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	61193	85.828	ug/l	# 7

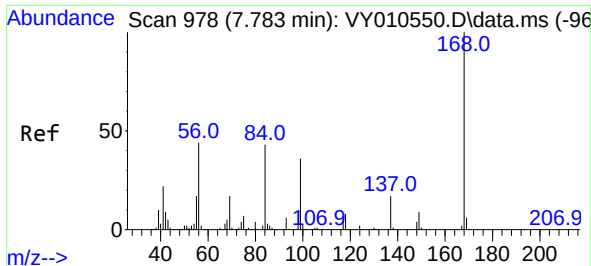
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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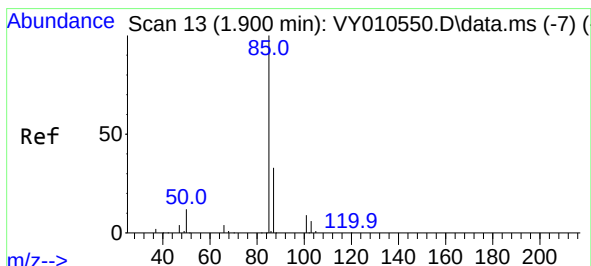
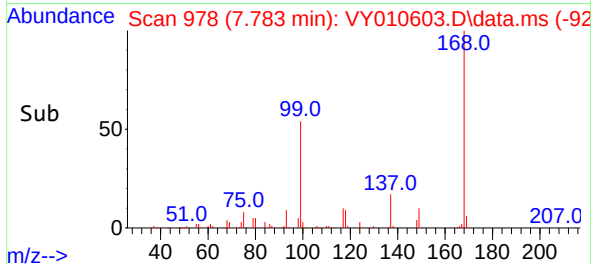
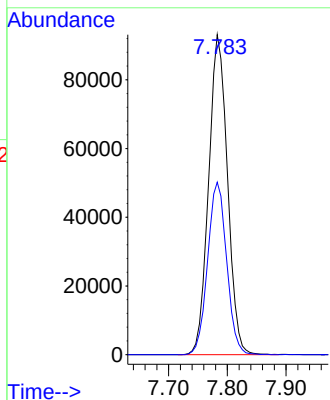
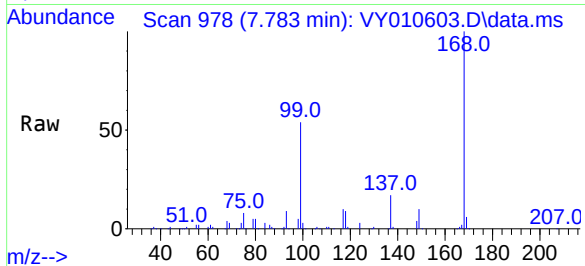




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

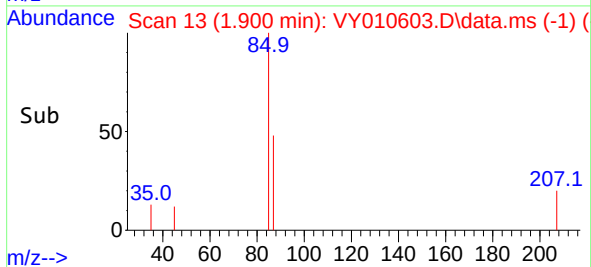
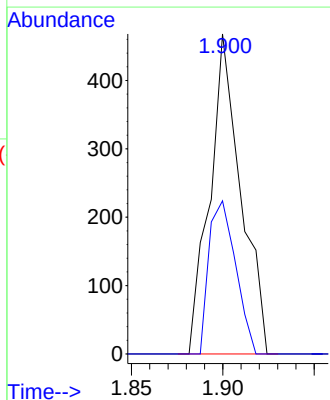
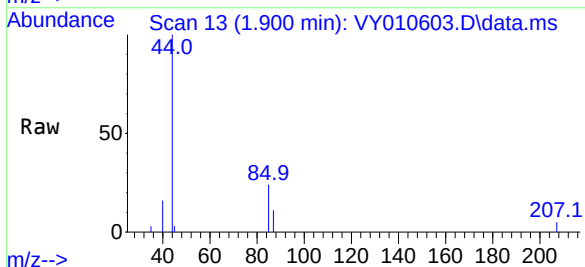
Instrument :
MSVOA_Y
ClientSampleId :

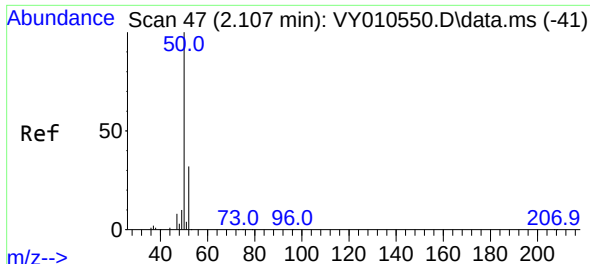
Tgt Ion:168 Resp: 207605
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Tgt Ion: 85 Resp: 553
Ion Ratio Lower Upper
85 100
87 47.9 16.1 48.2

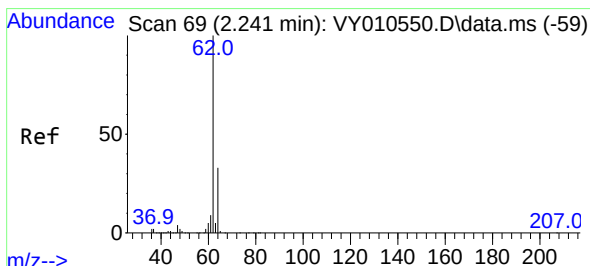
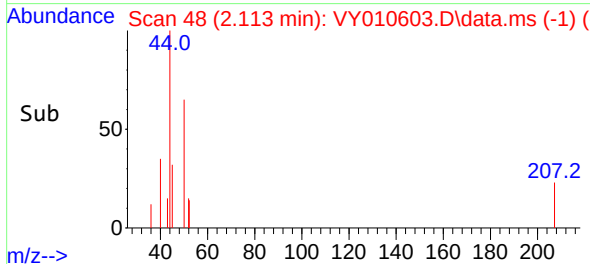
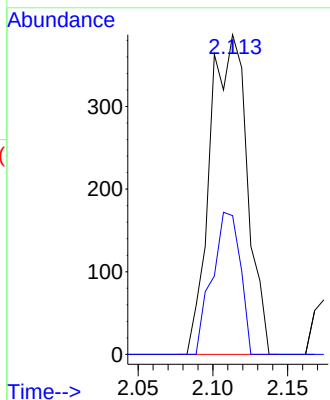
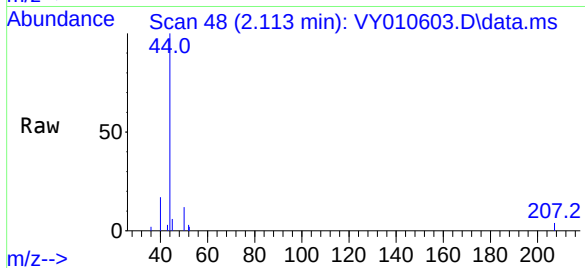




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

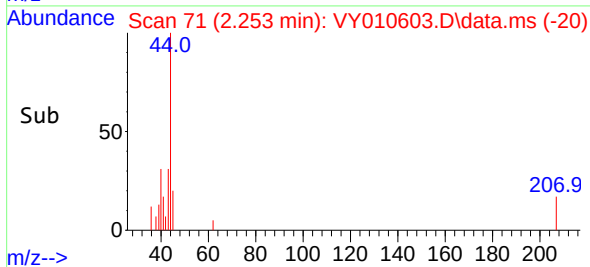
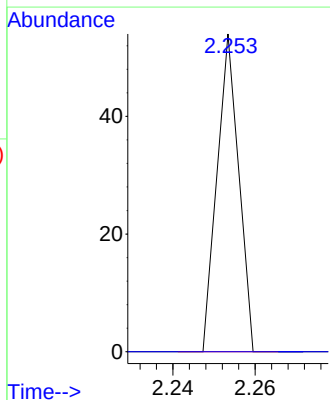
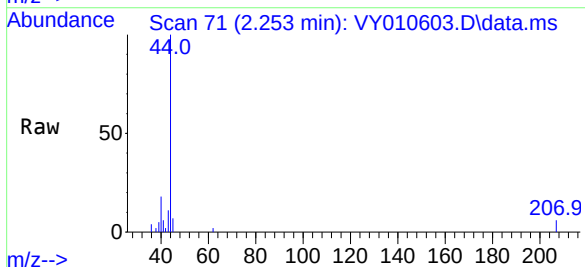
Instrument :
MSVOA_Y
ClientSampleId :

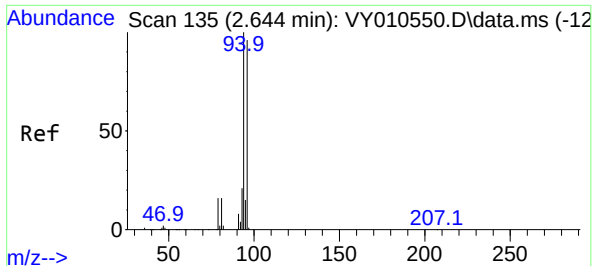
Tgt Ion: 50 Resp: 668
Ion Ratio Lower Upper
50 100
52 43.4 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.012 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

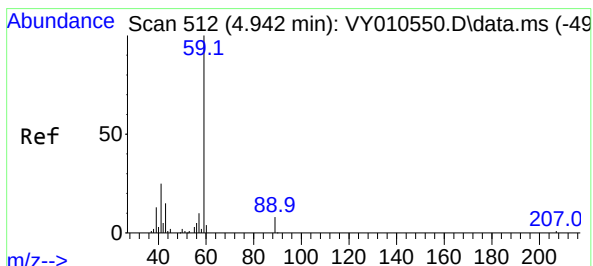
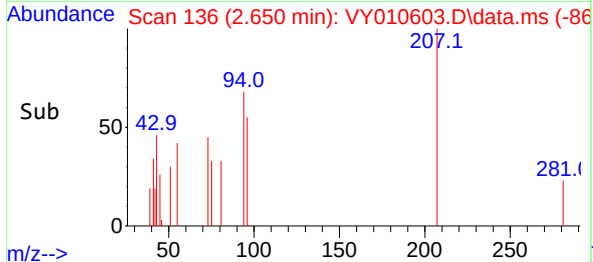
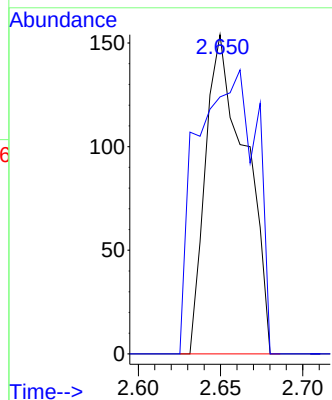
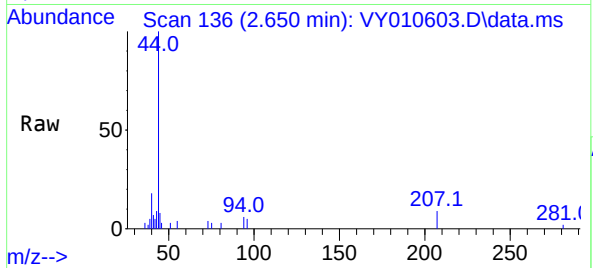




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

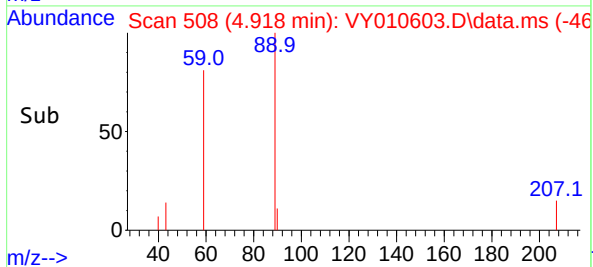
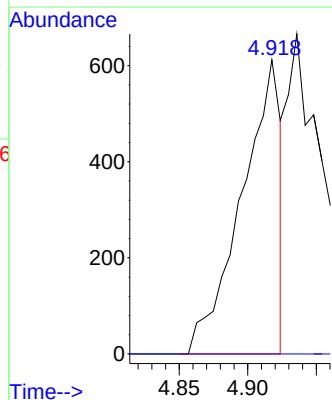
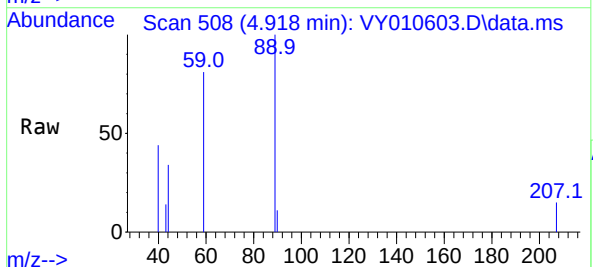
Instrument :
MSVOA_Y
ClientSampleId :

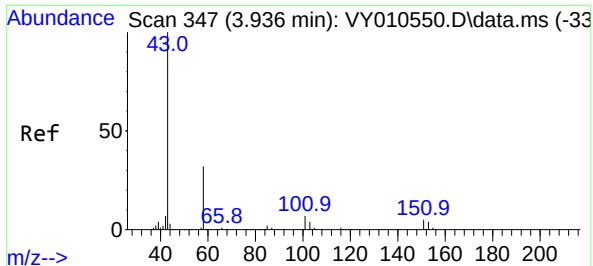
Tgt Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 80.5 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Tgt Ion: 59 Resp: 1214
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

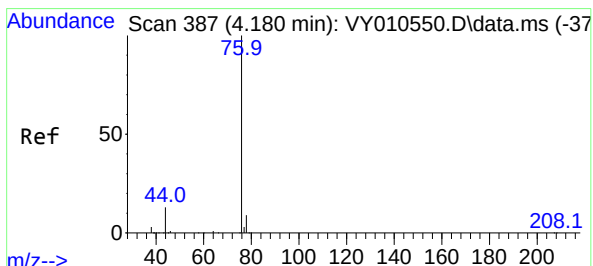
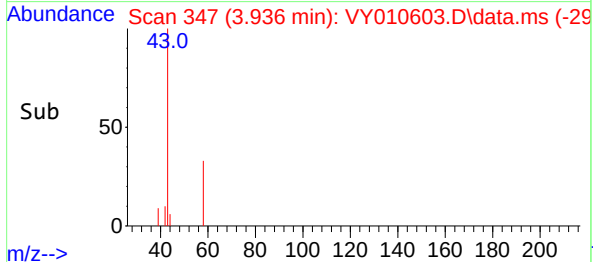
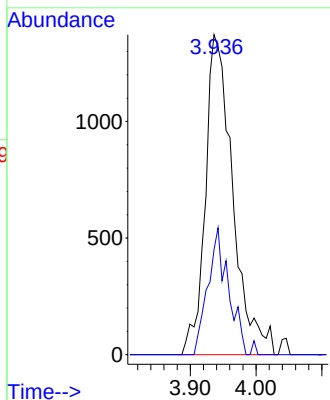
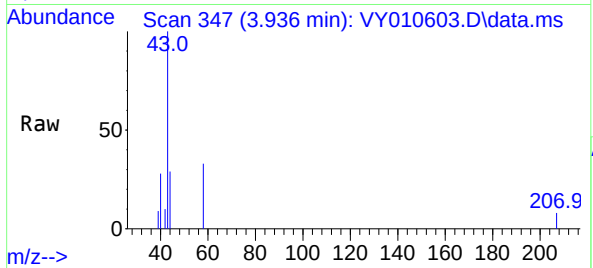




#16
Acetone
Concen: 9.802 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

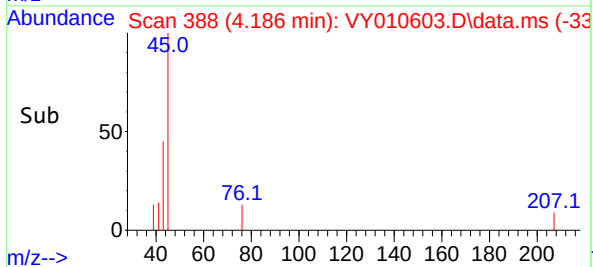
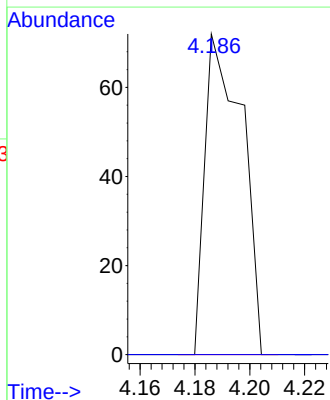
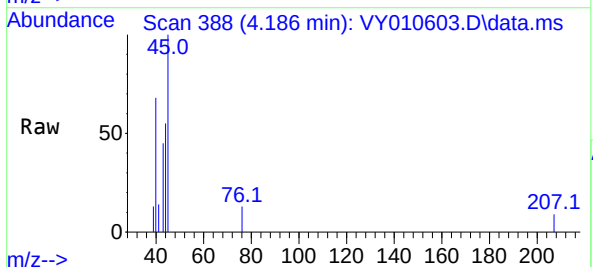
Instrument :
MSVOA_Y
ClientSampleId :

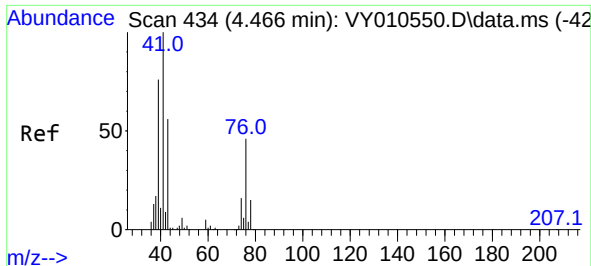
Tgt Ion: 43 Resp: 3969
Ion Ratio Lower Upper
43 100
58 32.9 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

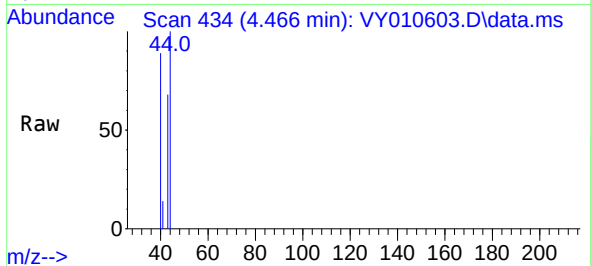
Tgt Ion: 76 Resp: 68
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



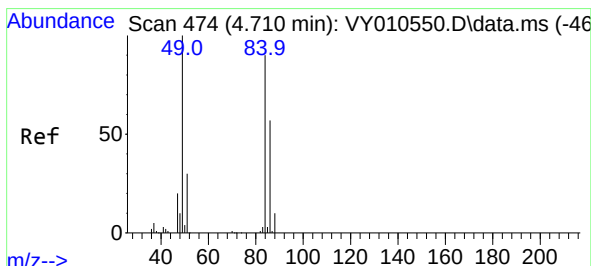
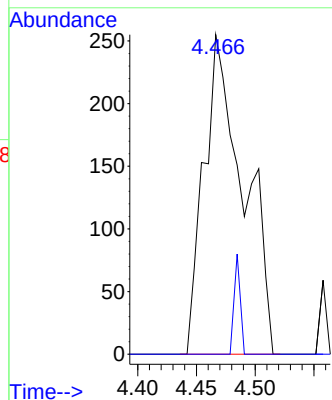
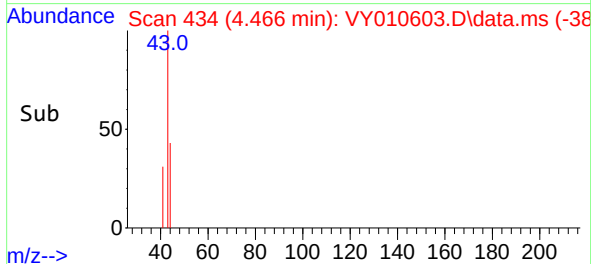


#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

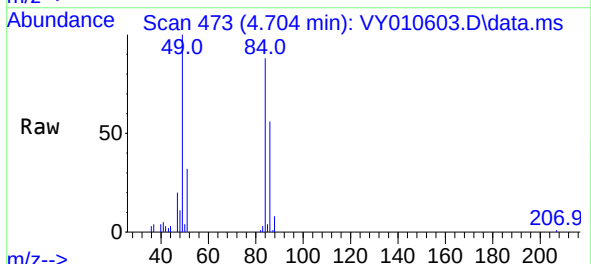
Instrument :
MSVOA_Y
ClientSampleId :



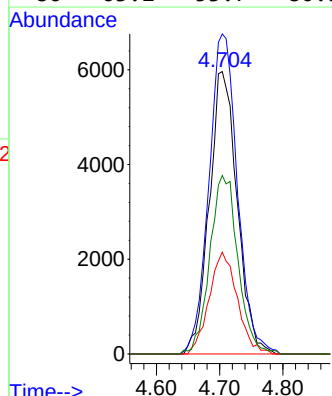
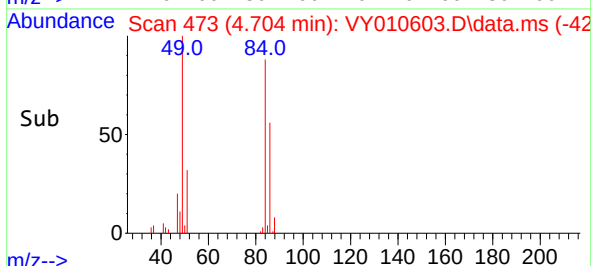
Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
74 4.9 16.6 24.8#

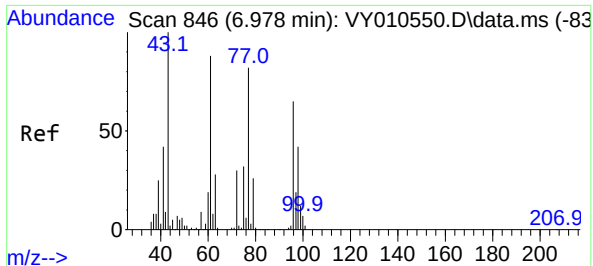


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55



Tgt Ion: 84 Resp: 18275
Ion Ratio Lower Upper
84 100
49 113.3 114.4 171.6#
51 36.1 35.3 52.9
86 63.2 53.7 80.5





#25

2-Butanone

Concen: 4.508 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

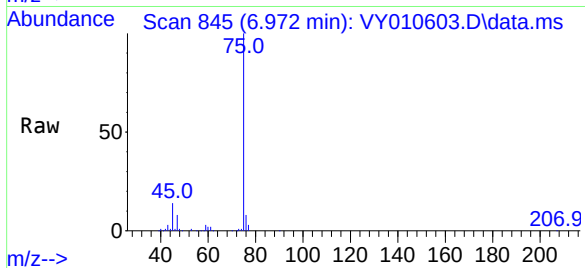
Lab File: VY010603.D

Acq: 21 Sep 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

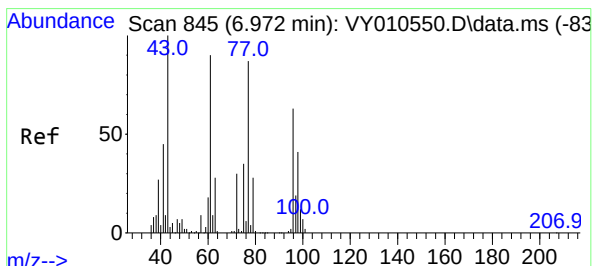
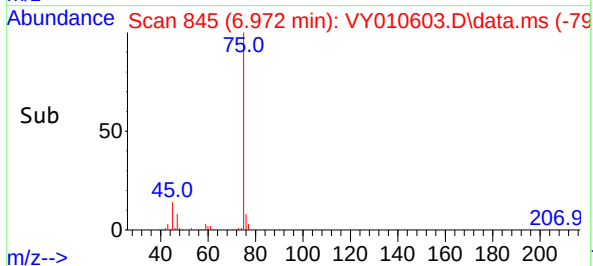
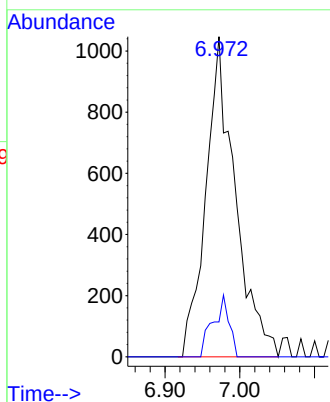


Tgt Ion: 43 Resp: 2855

Ion Ratio Lower Upper

43 100

72 10.9 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.225 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY010603.D

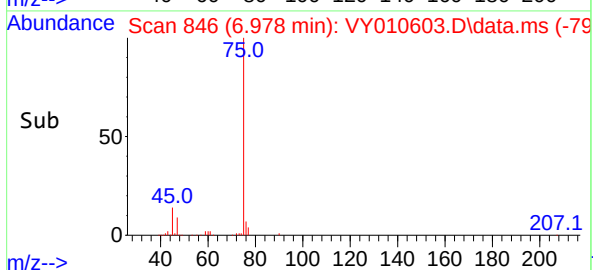
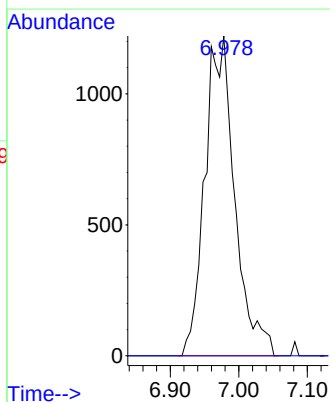
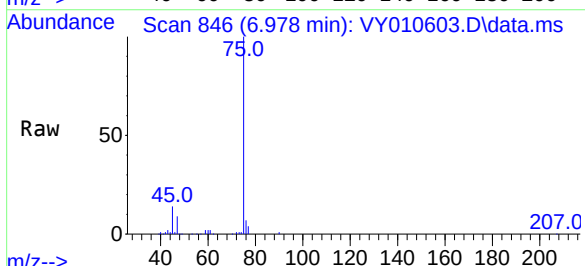
Acq: 21 Sep 2022 16:55

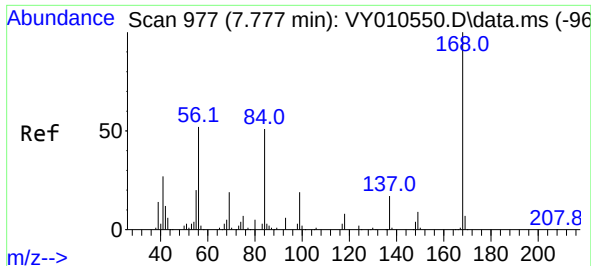
Tgt Ion: 77 Resp: 3689

Ion Ratio Lower Upper

77 100

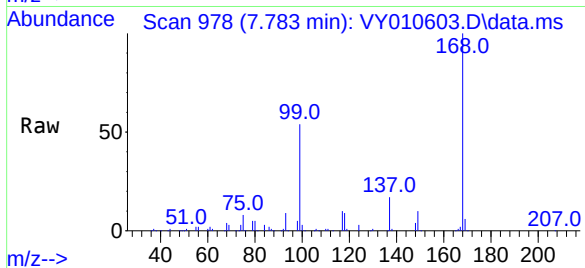
97 0.0 10.4 31.4#



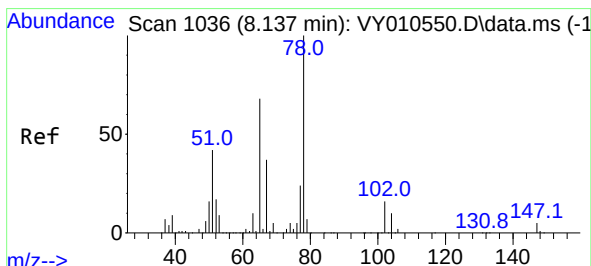
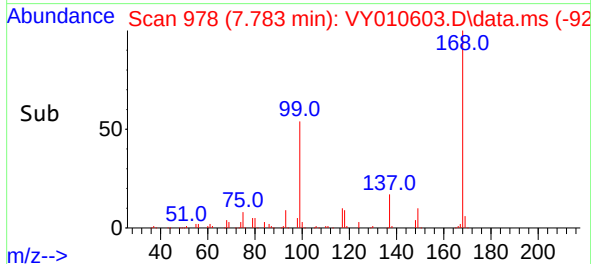
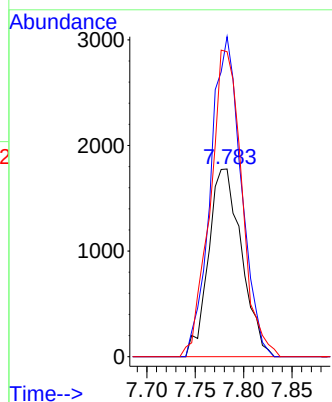


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Instrument :
MSVOA_Y
ClientSampleId :

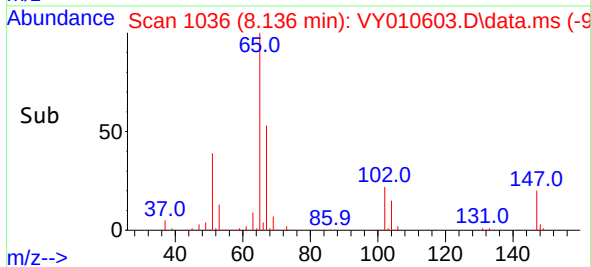
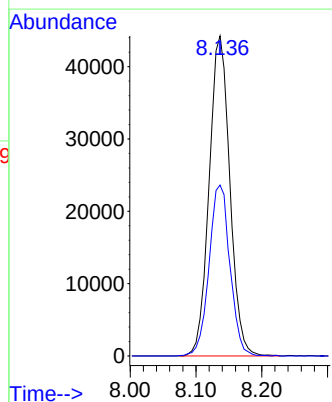
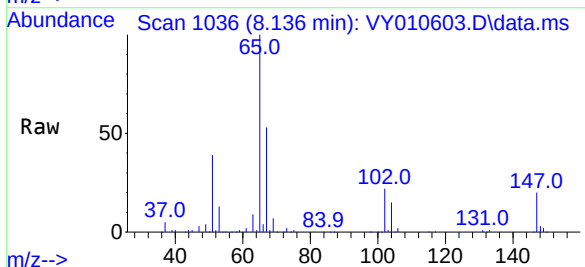


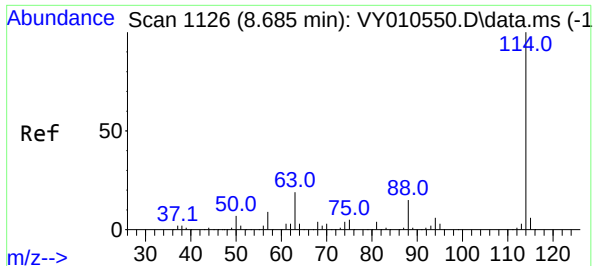
Tgt Ion: 56 Resp: 4222
Ion Ratio Lower Upper
56 100
69 170.6 26.7 40.1#
84 162.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.831 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Tgt Ion: 65 Resp: 96963
Ion Ratio Lower Upper
65 100
67 53.9 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: VY010603.D

Acq: 21 Sep 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

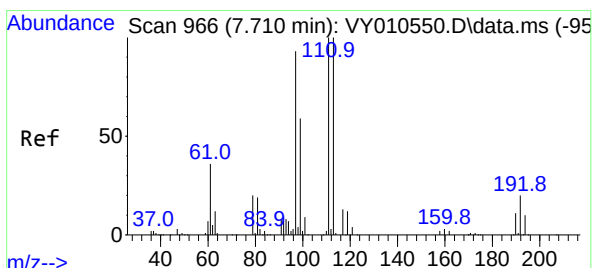
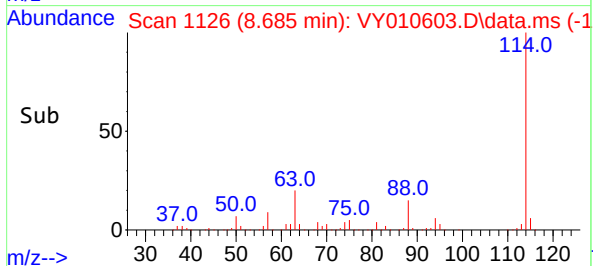
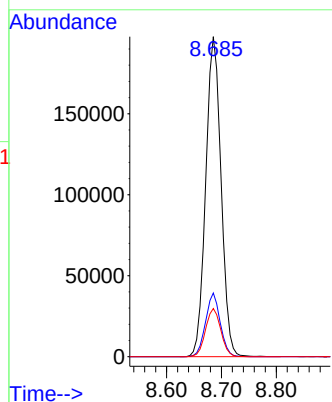
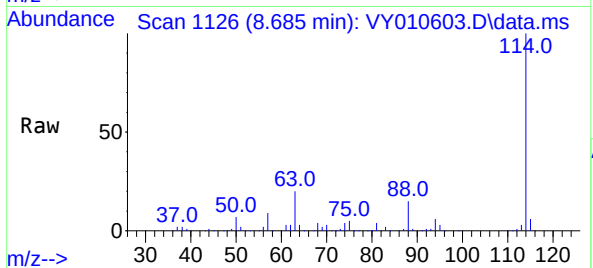
Tgt Ion:114 Resp: 382422

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 38.142 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010603.D

Acq: 21 Sep 2022 16:55

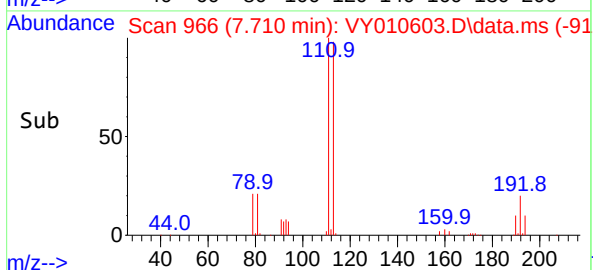
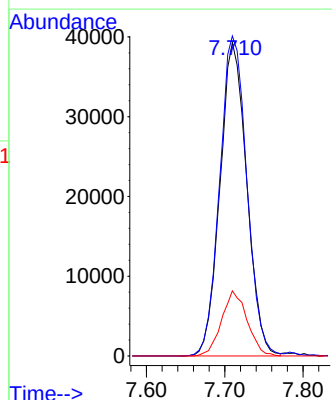
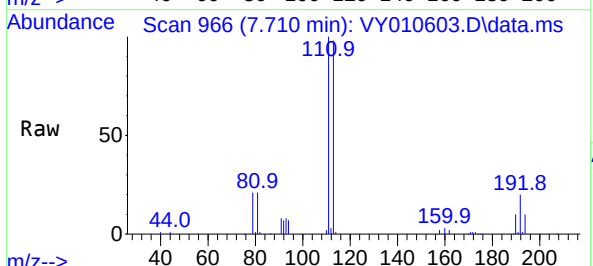
Tgt Ion:113 Resp: 93089

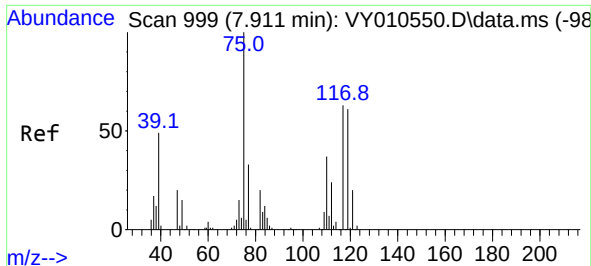
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 19.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.275 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010603.D

Acq: 21 Sep 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

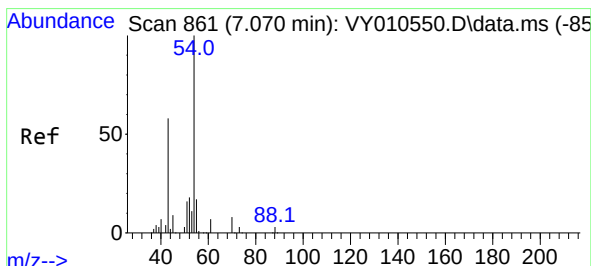
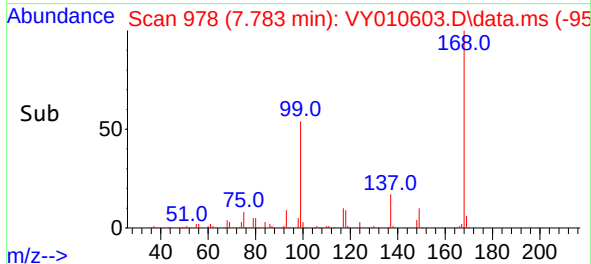
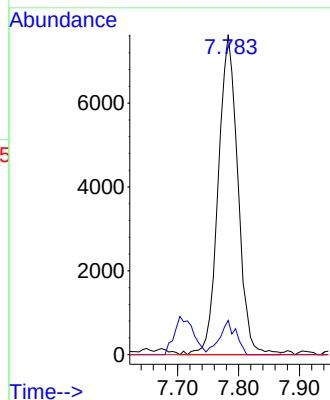
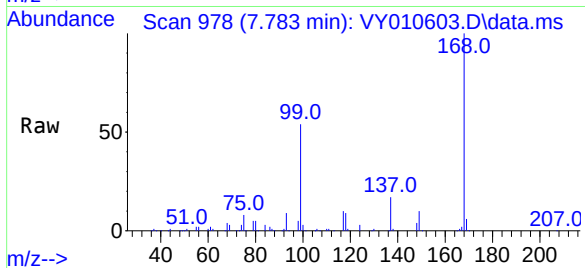
Tgt Ion: 75 Resp: 17065

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.818 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010603.D

Acq: 21 Sep 2022 16:55

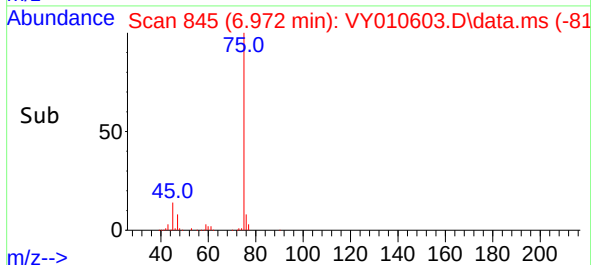
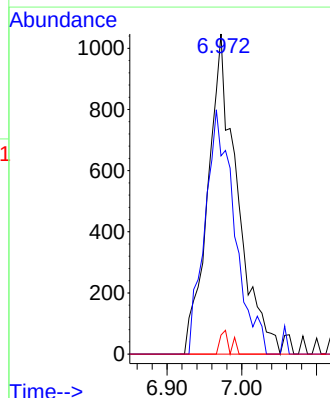
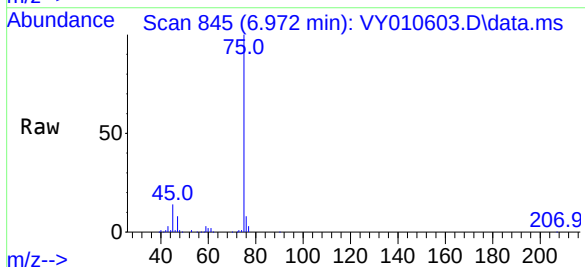
Tgt Ion: 43 Resp: 2855

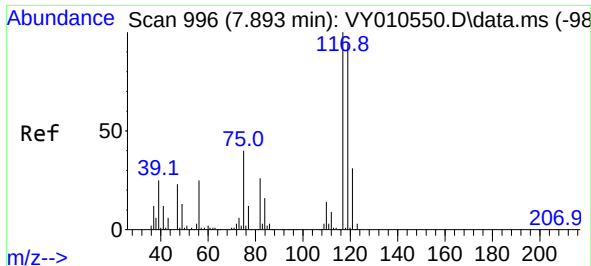
Ion Ratio Lower Upper

43 100

61 76.9 9.7 14.5#

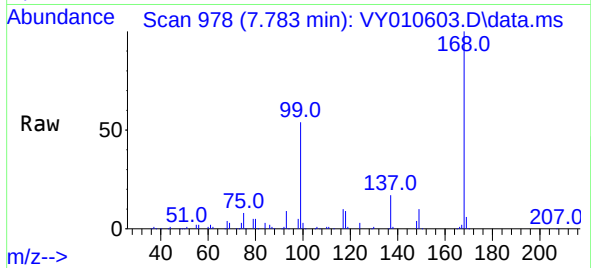
70 2.5 7.1 10.7#



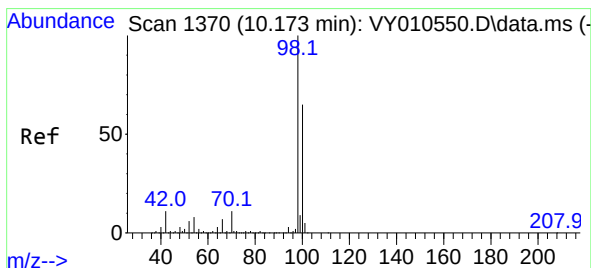
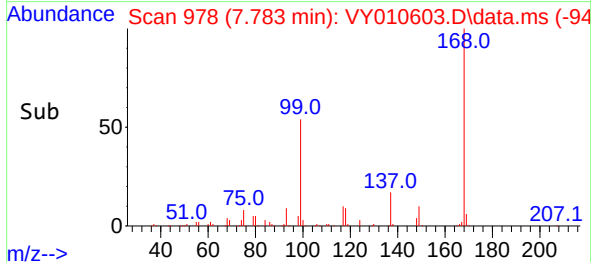
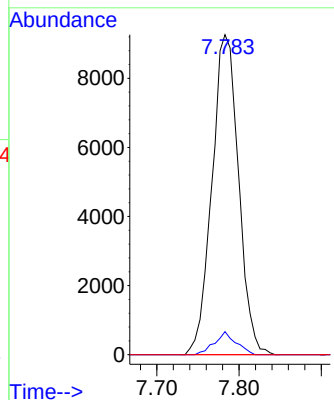


#38
Carbon Tetrachloride
Concen: 6.666 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Instrument :
MSVOA_Y
ClientSampleId :

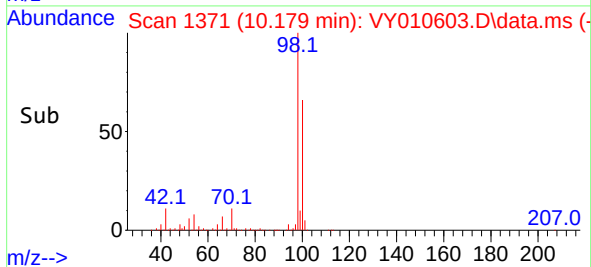
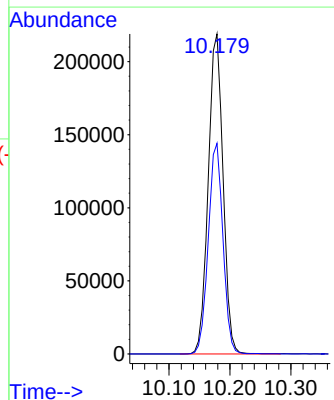
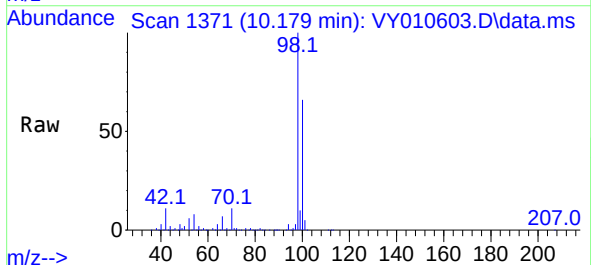


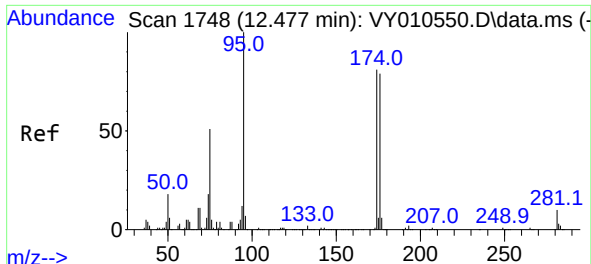
Tgt Ion:117 Resp: 20843
Ion Ratio Lower Upper
117 100
119 7.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 41.577 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Tgt Ion: 98 Resp: 369959
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

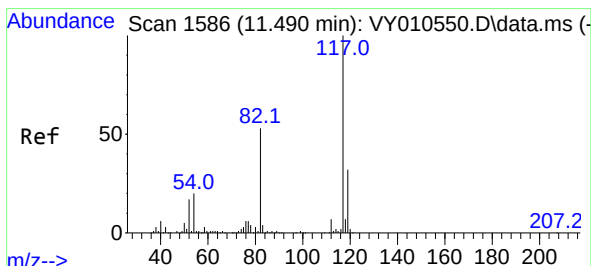
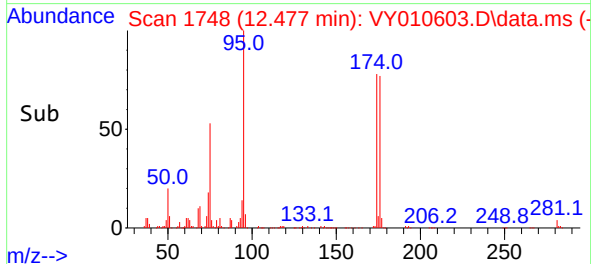
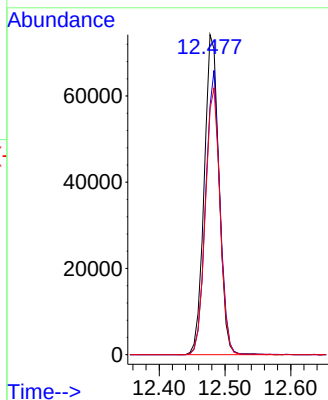
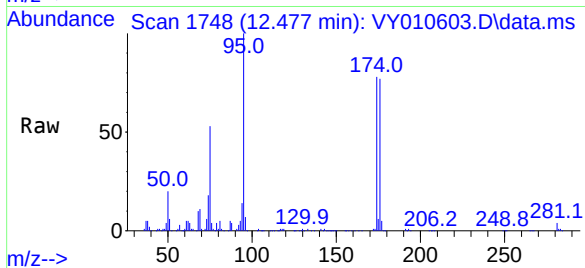




#62
4-Bromofluorobenzene
Concen: 33.819 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

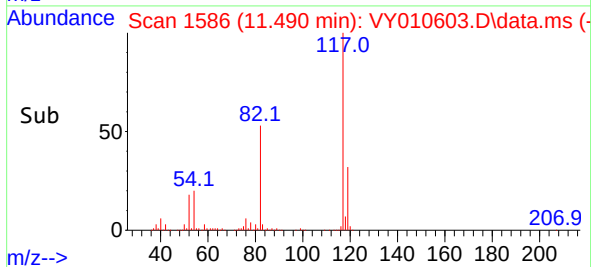
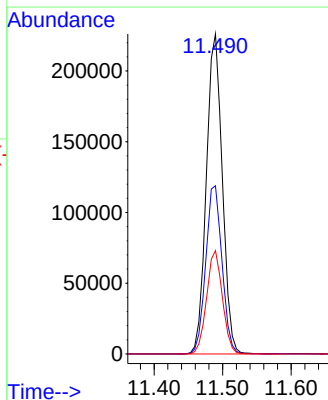
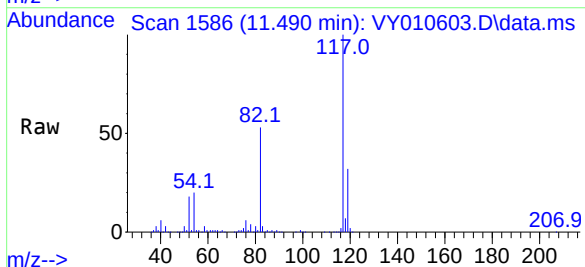
Instrument :
MSVOA_Y
ClientSampleId :

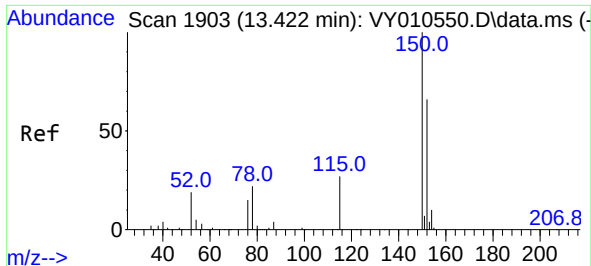
Tgt Ion: 95 Resp: 116137
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 82.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

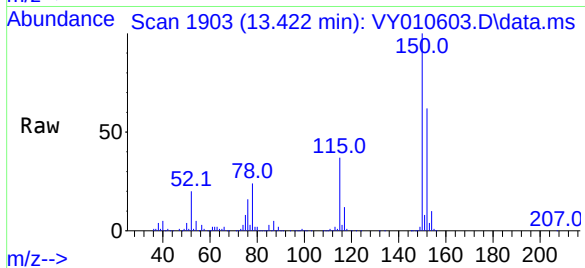
Tgt Ion: 117 Resp: 367175
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 32.3 25.4 38.0



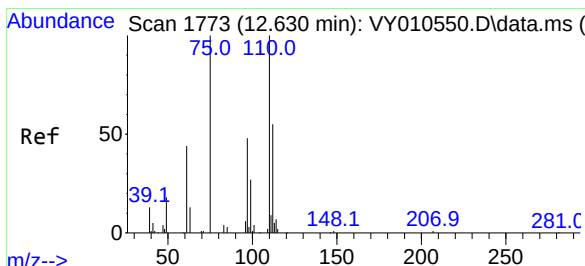
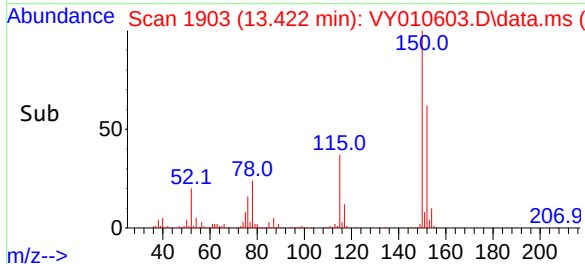
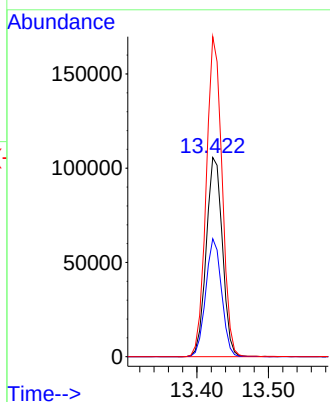


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

Instrument :
MSVOA_Y
ClientSampleId :

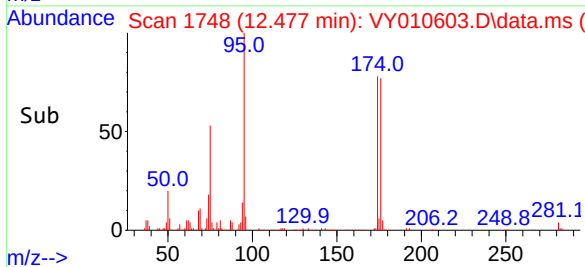
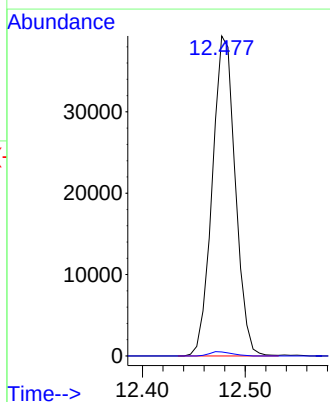
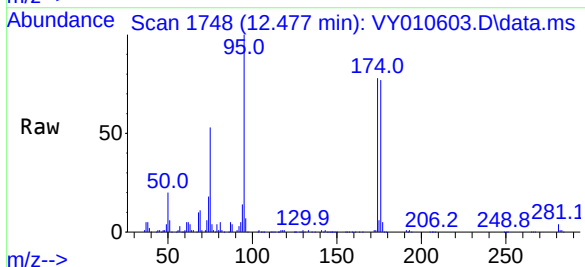


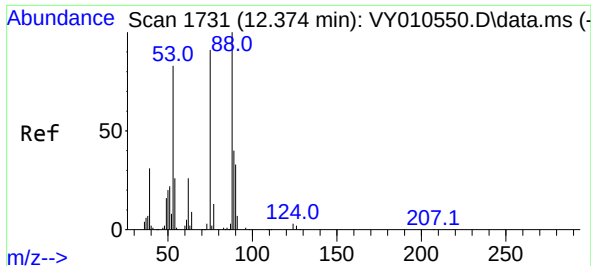
Tgt Ion:152 Resp: 166093
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 156.8 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 38.602 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010603.D
Acq: 21 Sep 2022 16:55

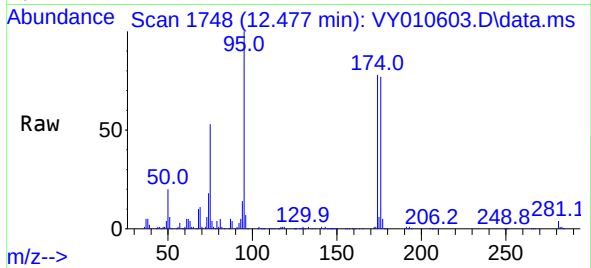
Tgt Ion: 75 Resp: 61193
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.828 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010603.D
 Acq: 21 Sep 2022 16:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 61193
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

