

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010600.D
 Acq On : 21 Sep 2022 15:44
 Operator : KP/MD
 Sample : N4697-07RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:10:09 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)

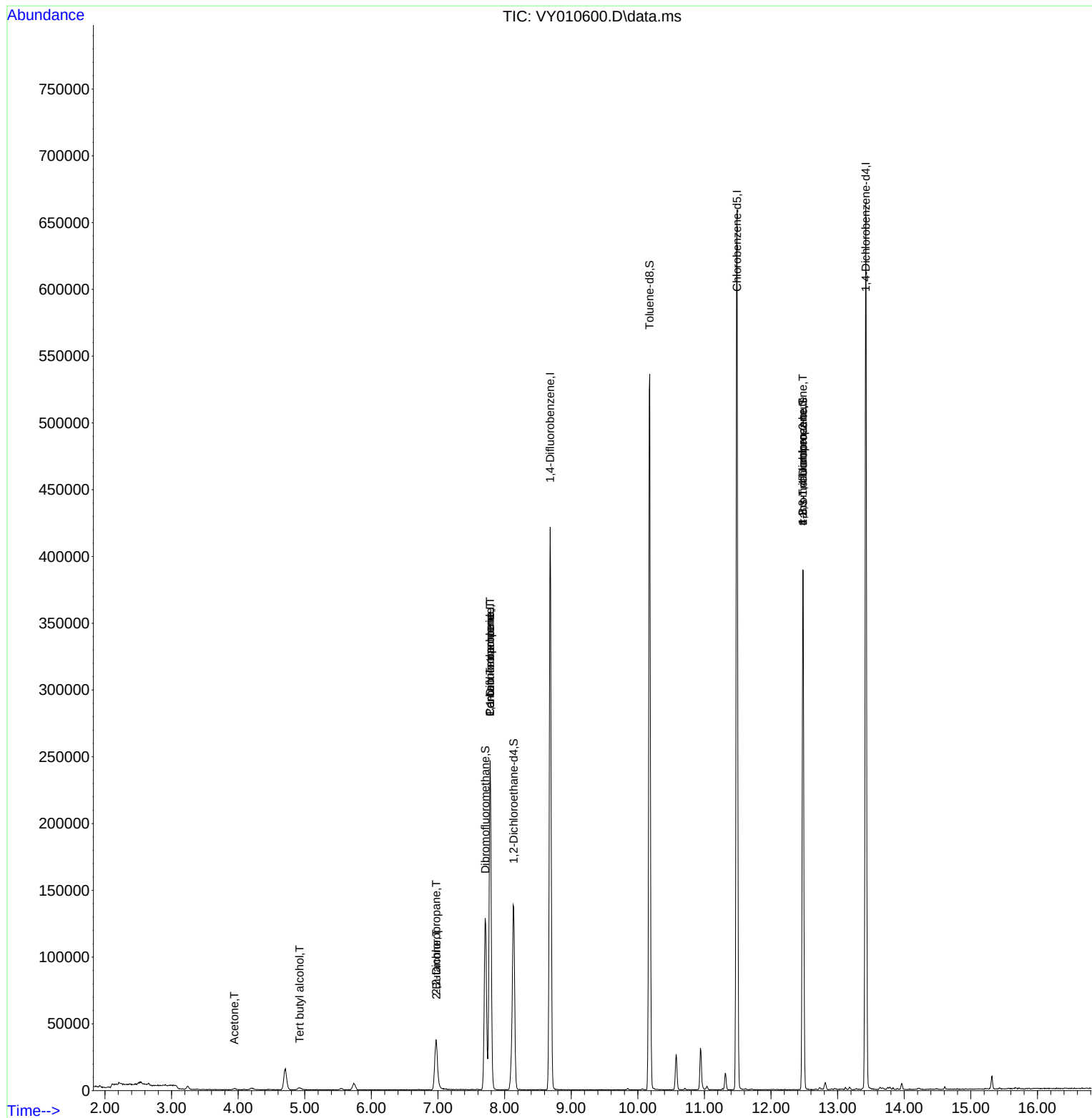
Internal Standards						
1) Pentafluorobenzene	7.783	168	190383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	359179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	361271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100654	55.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.540%	
35) Dibromofluoromethane	7.710	113	91719	40.012	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 80.020%	
50) Toluene-d8	10.179	98	354315	42.334	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.660%	
62) 4-Bromofluorobenzene	12.477	95	118516	36.992	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	288	Below Cal	#	43
3) Chloromethane	2.107	50	627	Below Cal	#	86
4) Vinyl Chloride	2.473	62	121	Below Cal	#	43
5) Bromomethane	2.656	94	369	Below Cal	#	56
11) Tert butyl alcohol	4.924	59	2132	2.010	ug/l #	77
16) Acetone	3.942	43	1657	4.462	ug/l #	78
17) Carbon Disulfide	4.180	76	19	Below Cal	#	75
18) Methyl Acetate	4.466	43	539	Below Cal	#	71
20) Methylene Chloride	4.710	84	11715	Below Cal		86
25) 2-Butanone	6.978	43	2036	3.505	ug/l	92
26) 2,2-Dichloropropane	6.972	77	2928	1.060	ug/l #	55
31) Cyclohexane	7.777	56	3841	Below Cal	#	15
36) 1,1-Dichloropropene	7.783	75	14462	5.662	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19005	6.471	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	62016	38.580	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62016	85.780	ug/l #	7

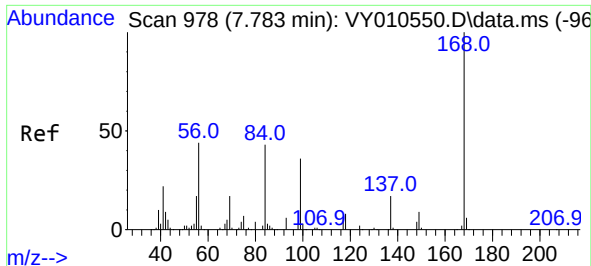
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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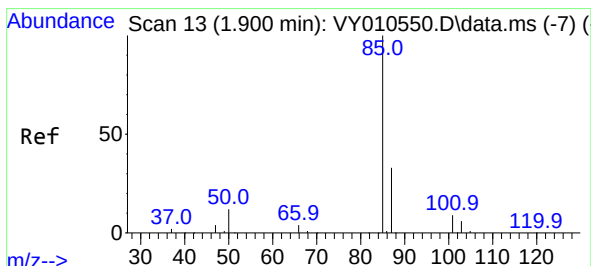
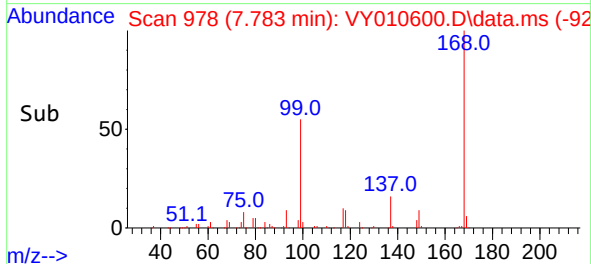
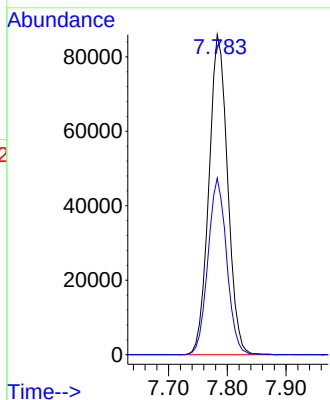
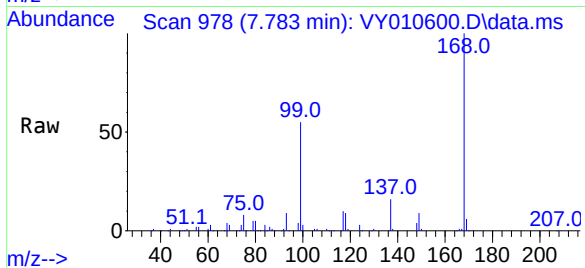




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

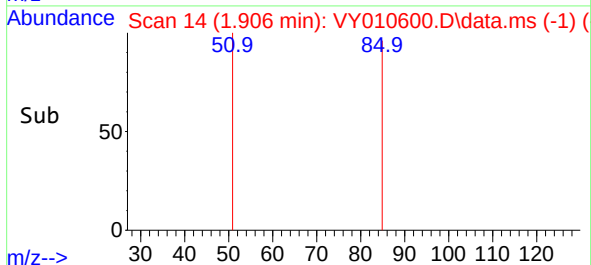
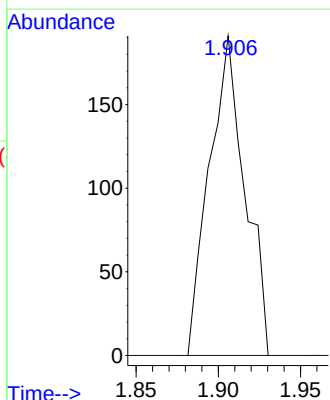
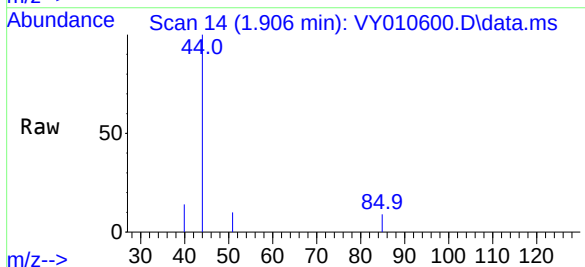
Instrument :
MSVOA_Y
ClientSampleId :

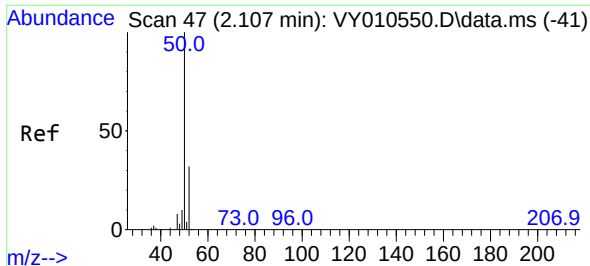
Tgt Ion:168 Resp: 190383
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Tgt Ion: 85 Resp: 288
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

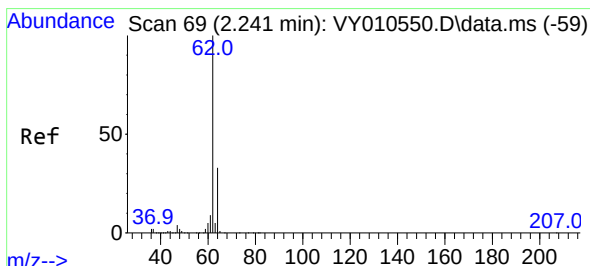
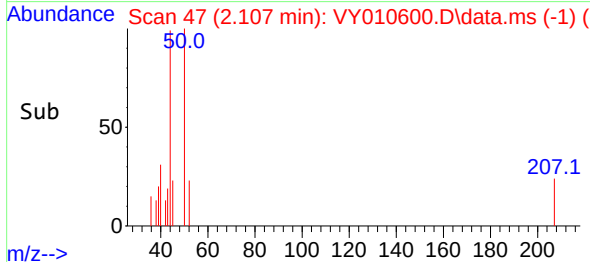
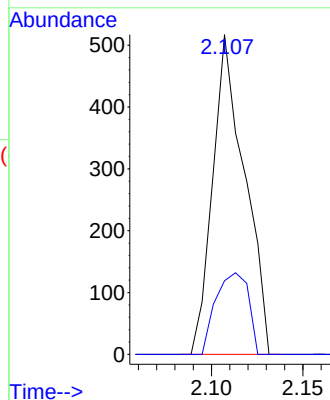
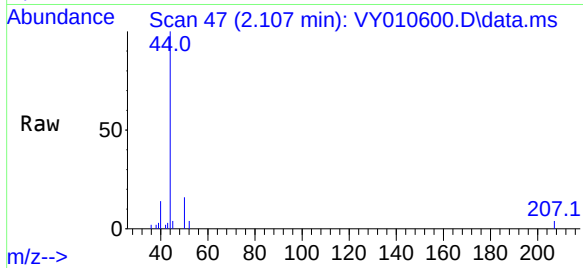




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

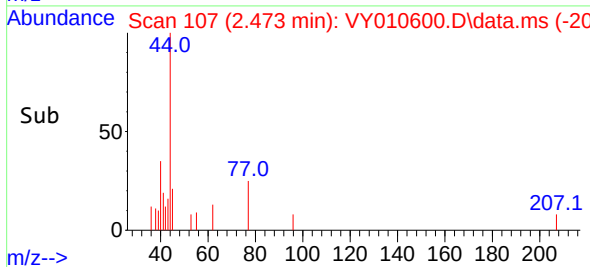
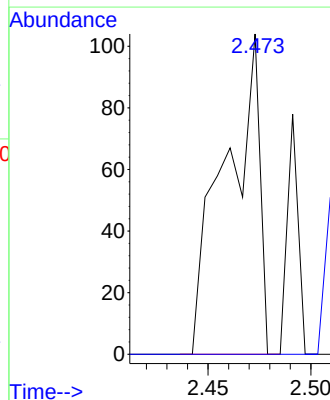
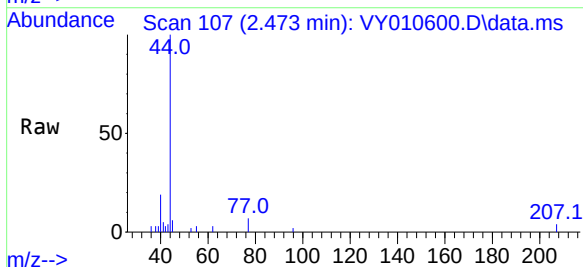
Instrument :
MSVOA_Y
ClientSampleId :

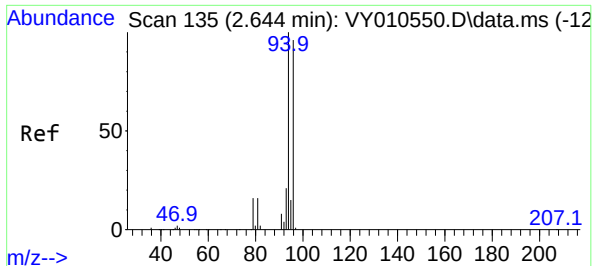
Tgt Ion: 50 Resp: 627
Ion Ratio Lower Upper
50 100
52 23.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.473 min Scan# 107
Delta R.T. 0.232 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

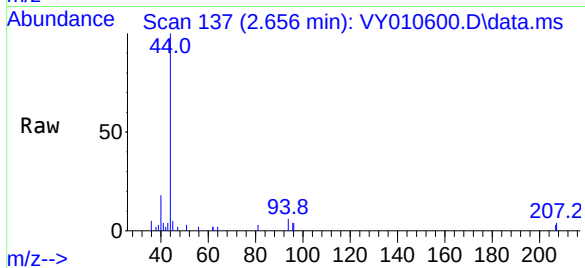
Tgt Ion: 62 Resp: 121
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



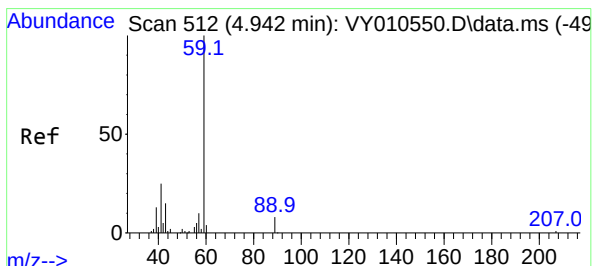
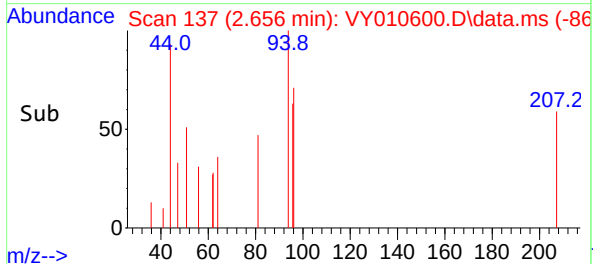
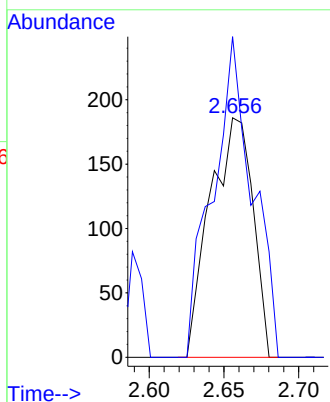


#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :

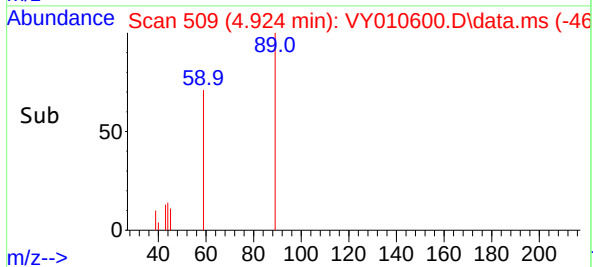
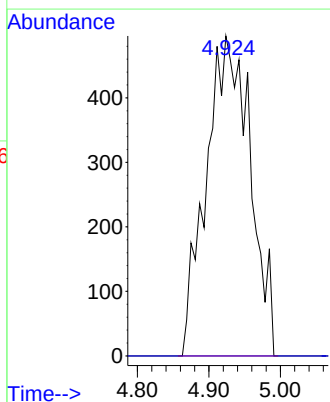
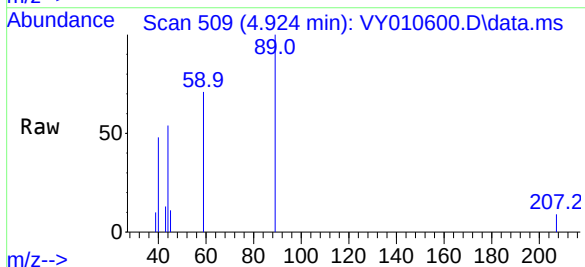


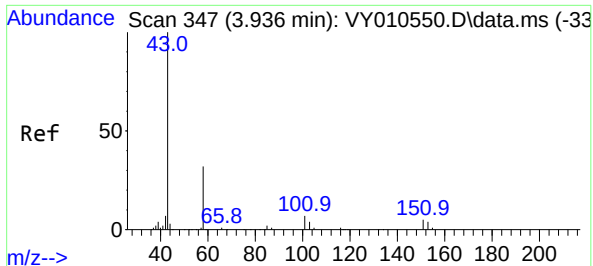
Tgt Ion: 94 Resp: 369
Ion Ratio Lower Upper
94 100
96 133.9 73.5 110.3#



#11
Tert butyl alcohol
Concen: 2.010 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Tgt Ion: 59 Resp: 2132
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

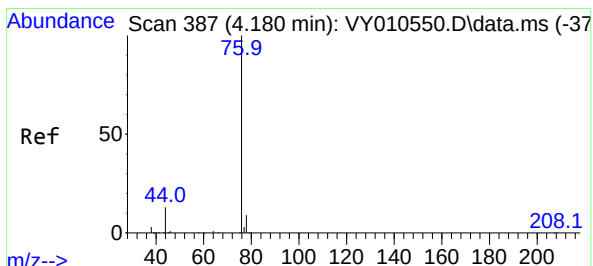
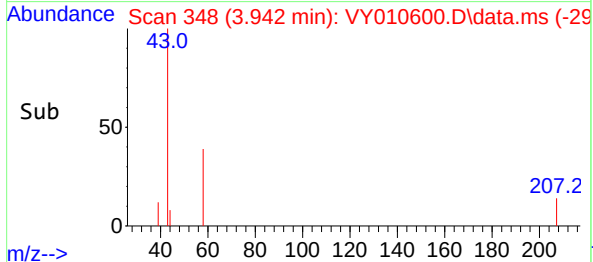
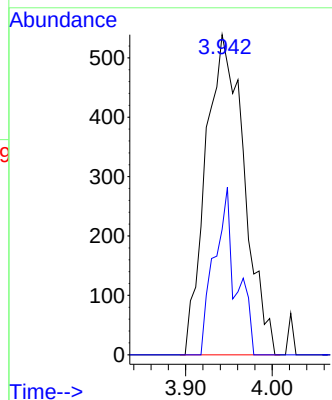
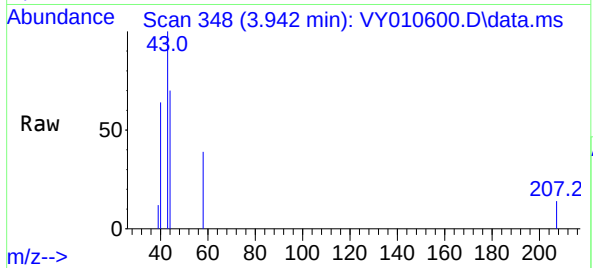




#16
Acetone
Concen: 4.462 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

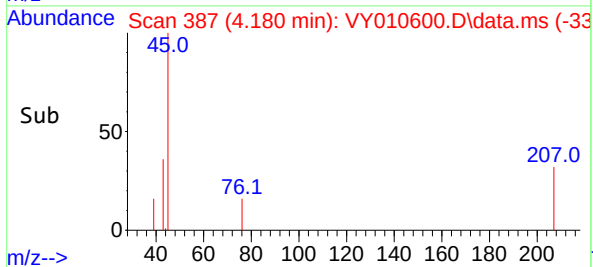
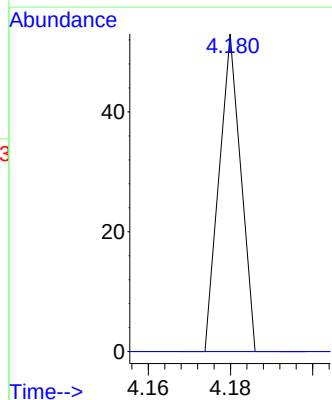
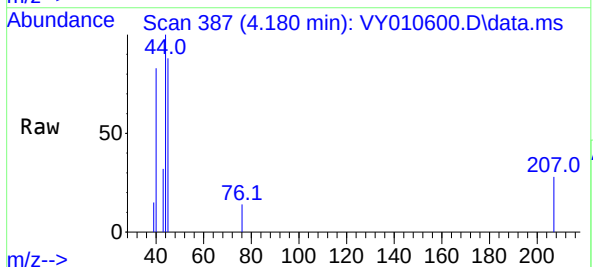
Instrument :
MSVOA_Y
ClientSampleId :

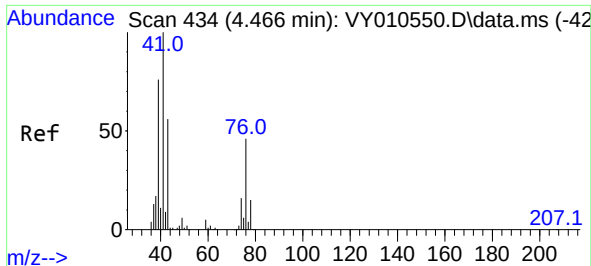
Tgt Ion: 43 Resp: 1657
Ion Ratio Lower Upper
43 100
58 39.1 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

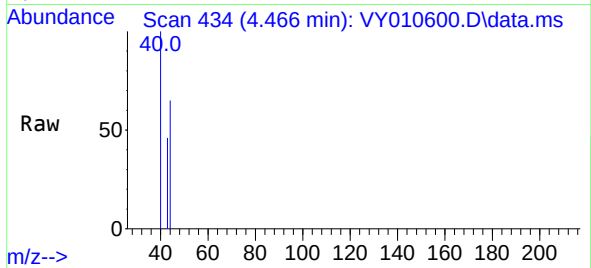
Tgt Ion: 76 Resp: 19
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



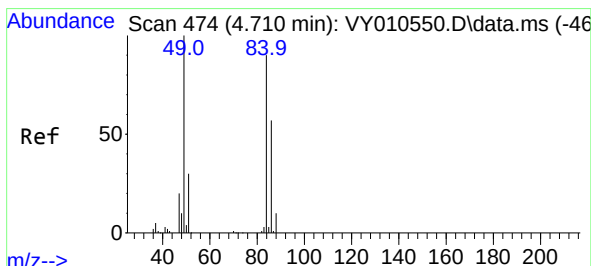
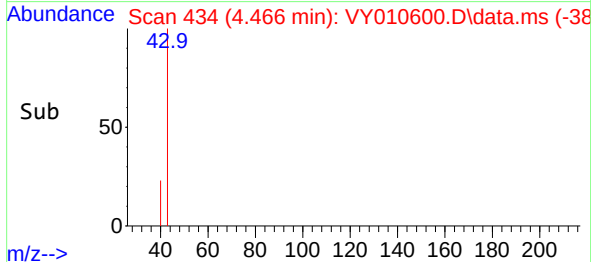
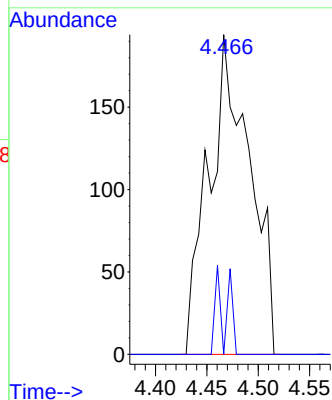


#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :

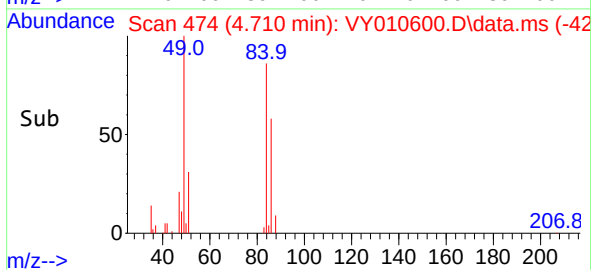
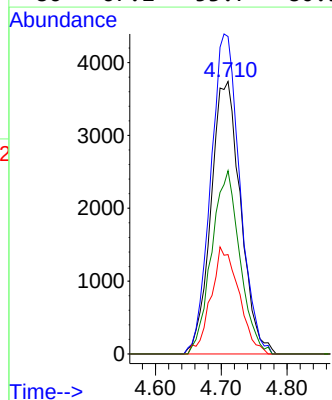
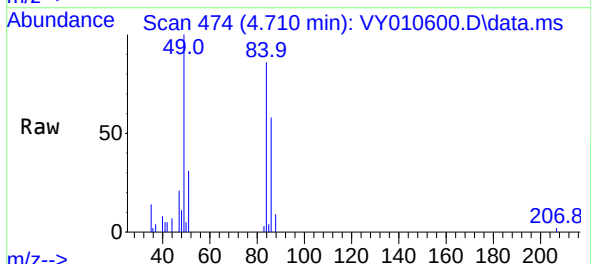


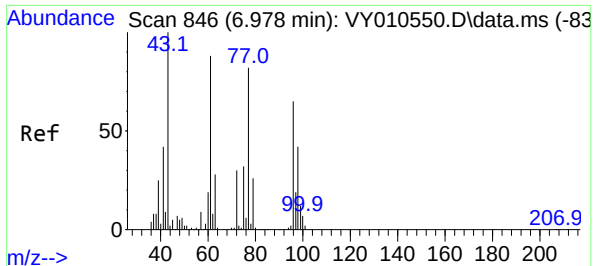
Tgt Ion: 43 Resp: 539
Ion Ratio Lower Upper
43 100
74 7.2 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Tgt Ion: 84 Resp: 11715
Ion Ratio Lower Upper
84 100
49 116.5 114.4 171.6
51 36.4 35.3 52.9
86 67.2 53.7 80.5





#25

2-Butanone

Concen: 3.505 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010600.D

Acq: 21 Sep 2022 15:44

Instrument :

MSVOA_Y

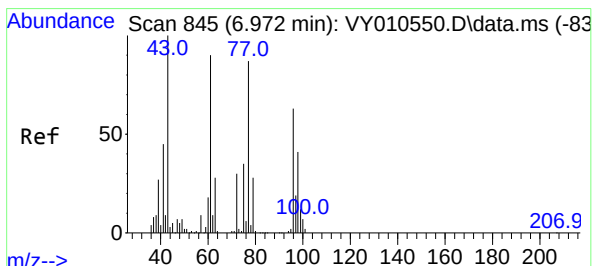
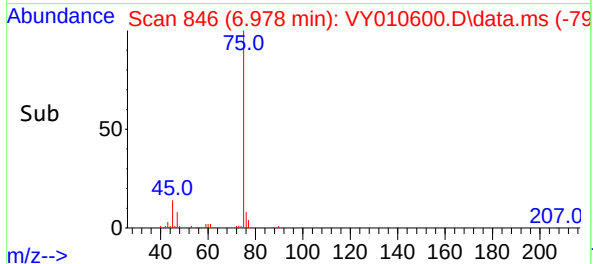
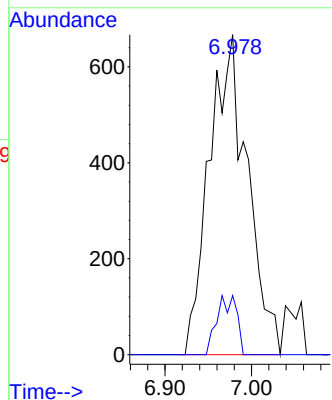
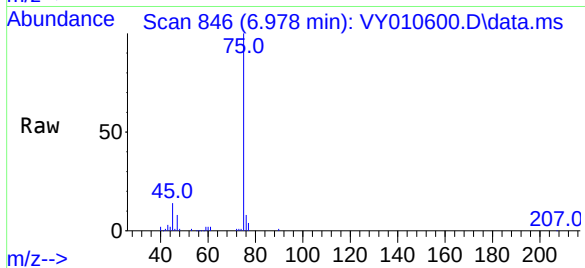
ClientSampleId :

Tgt Ion: 43 Resp: 2036

Ion Ratio Lower Upper

43 100

72 18.4 17.7 26.5



#26

2,2-Dichloropropane

Concen: 1.060 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010600.D

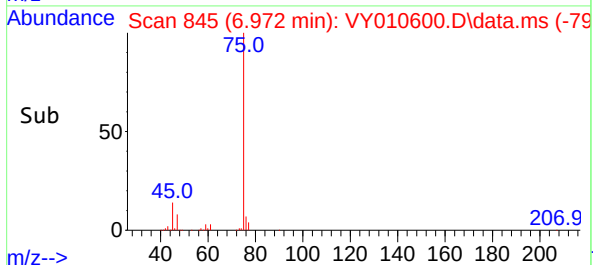
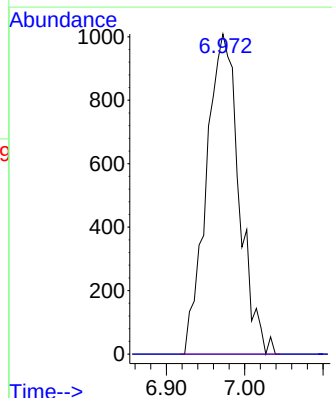
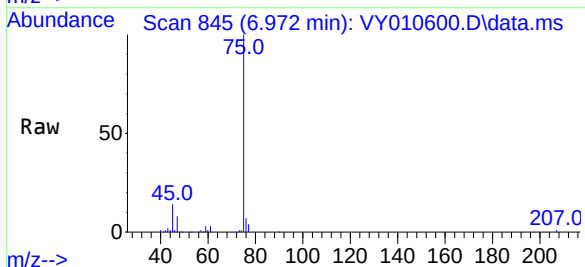
Acq: 21 Sep 2022 15:44

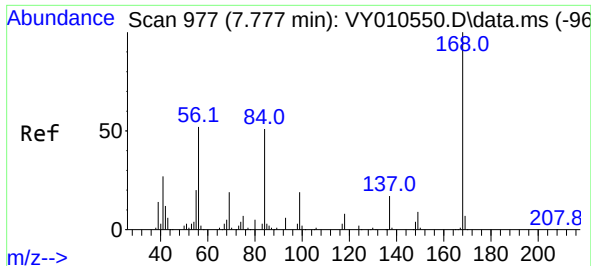
Tgt Ion: 77 Resp: 2928

Ion Ratio Lower Upper

77 100

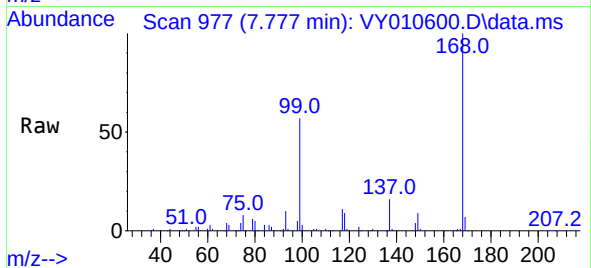
97 0.0 10.4 31.4#



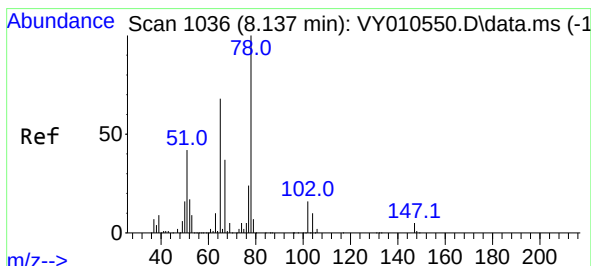
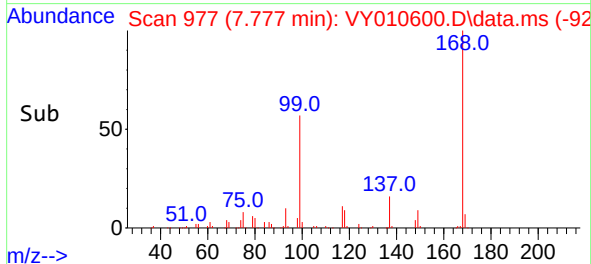
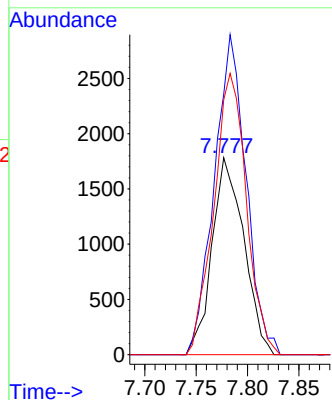


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :

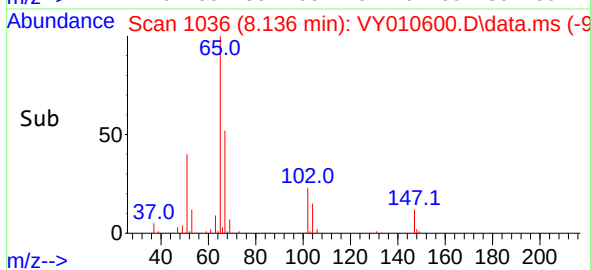
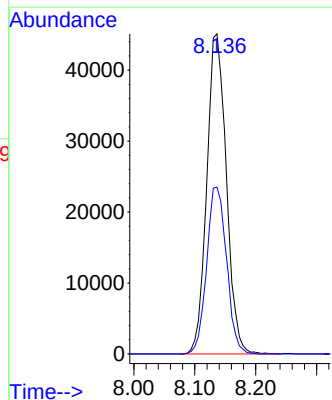
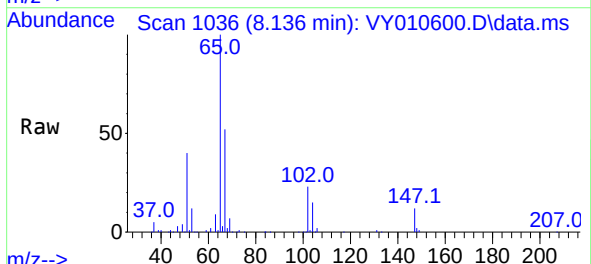


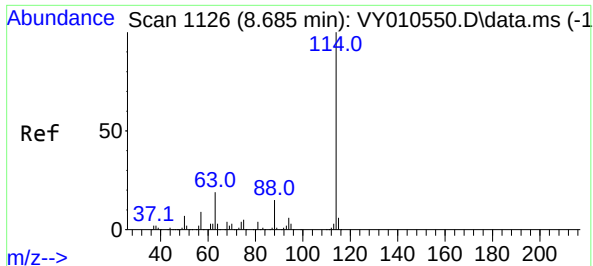
Tgt Ion: 56 Resp: 3841
Ion Ratio Lower Upper
56 100
69 132.1 26.7 40.1#
84 129.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.275 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Tgt Ion: 65 Resp: 100654
Ion Ratio Lower Upper
65 100
67 52.9 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: VY010600.D

Acq: 21 Sep 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

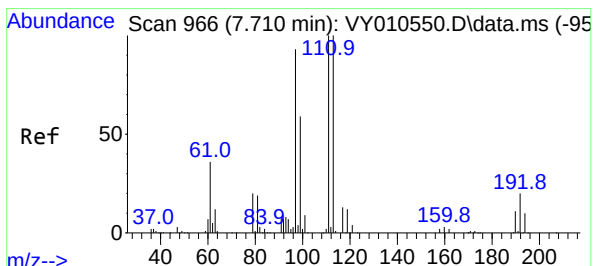
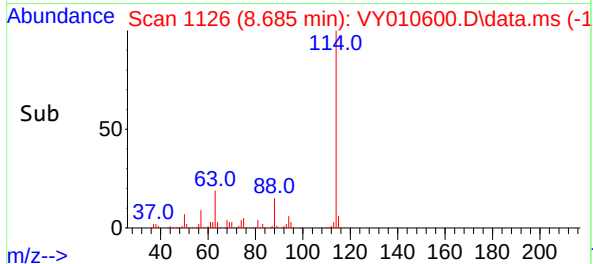
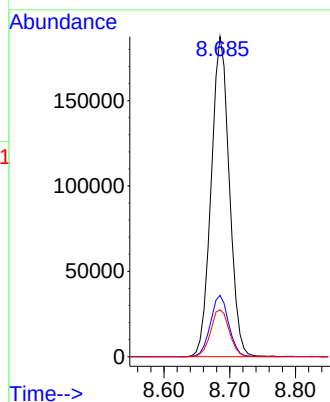
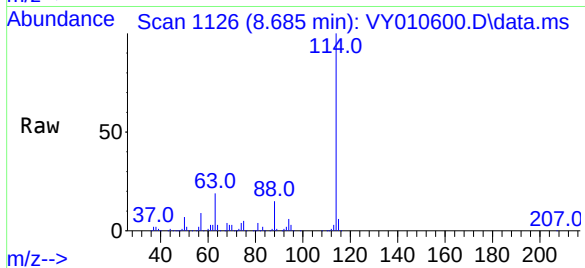
Tgt Ion:114 Resp: 359179

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.012 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010600.D

Acq: 21 Sep 2022 15:44

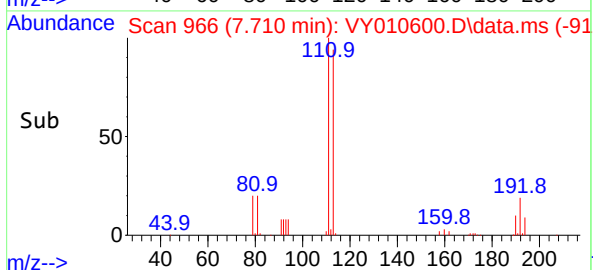
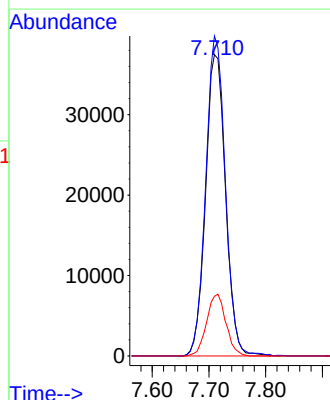
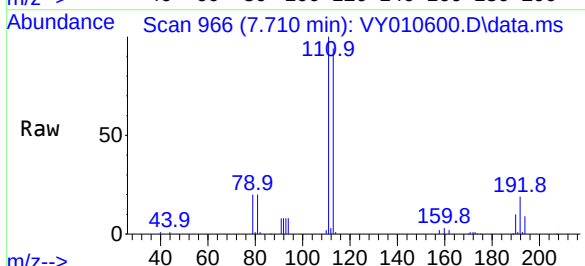
Tgt Ion:113 Resp: 91719

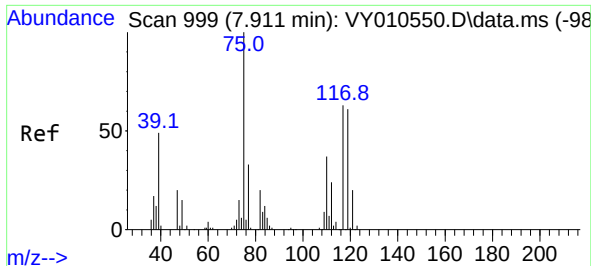
Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 19.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.662 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010600.D

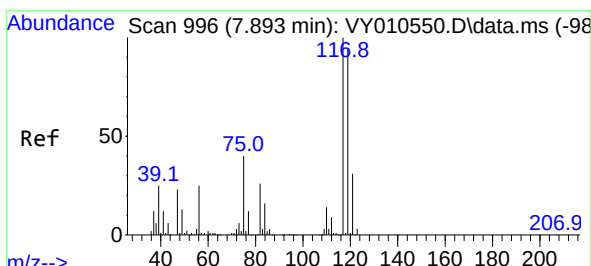
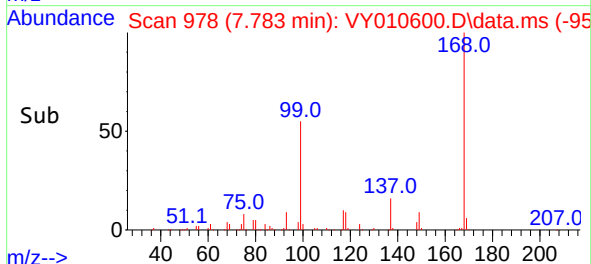
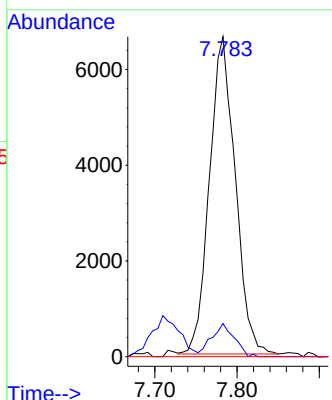
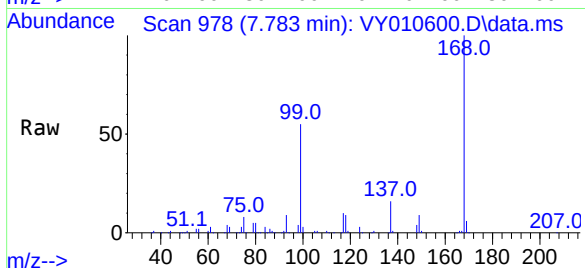
Acq: 21 Sep 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	14462
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.471 ug/l

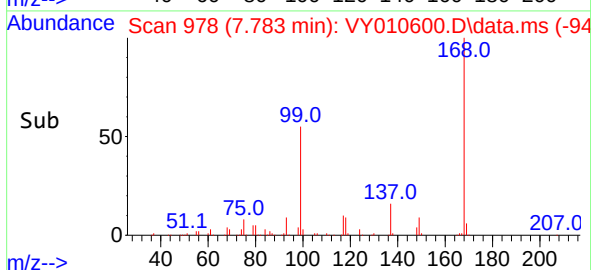
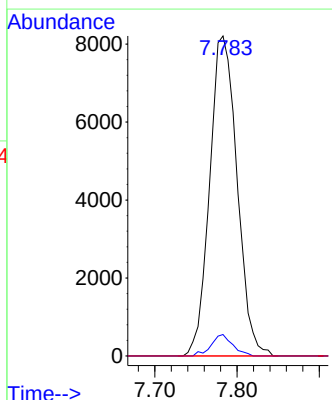
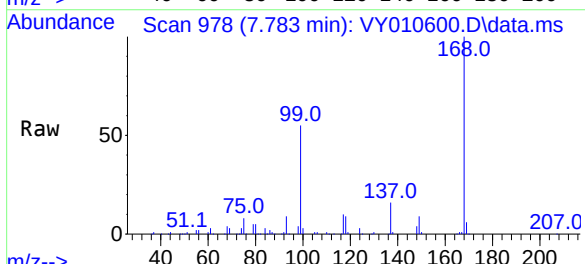
RT: 7.783 min Scan# 978

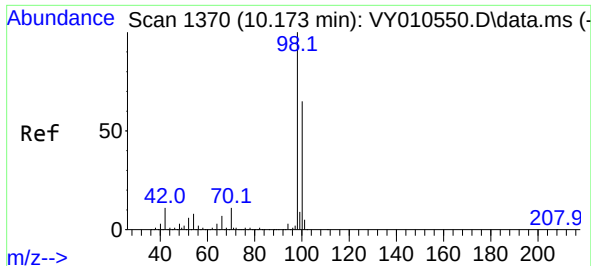
Delta R.T. -0.110 min

Lab File: VY010600.D

Acq: 21 Sep 2022 15:44

Tgt Ion:	117	Resp:	19005
Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.9	116.9#
121	0.0	24.8	37.2#

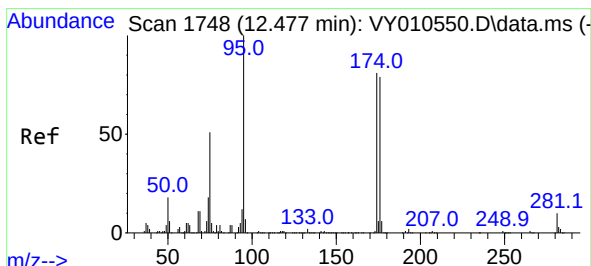
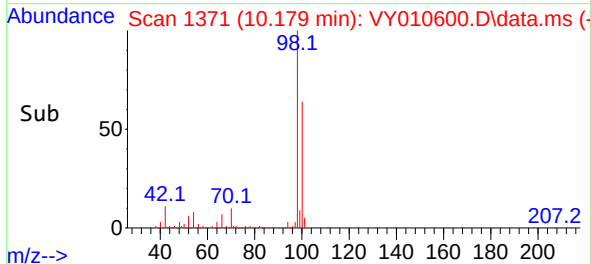
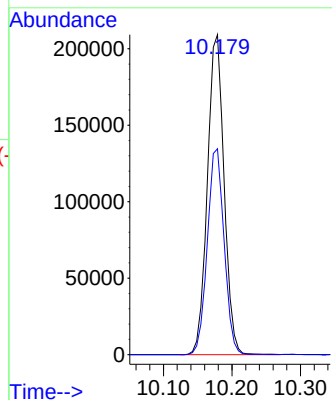
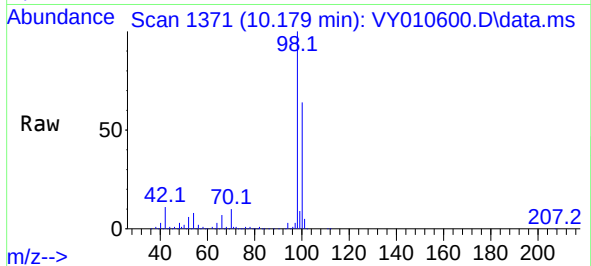




#50
Toluene-d8
Concen: 42.334 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

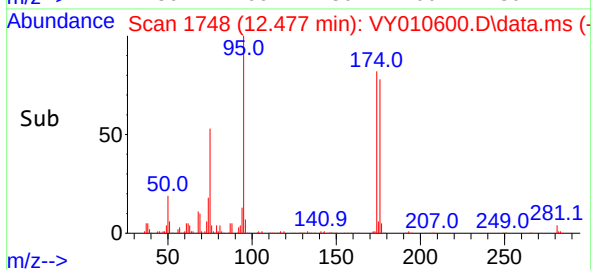
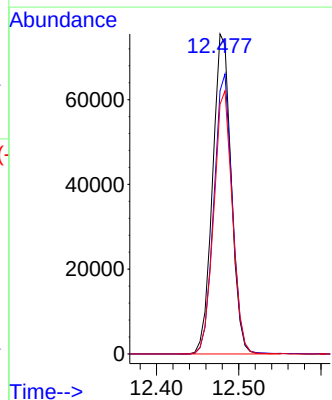
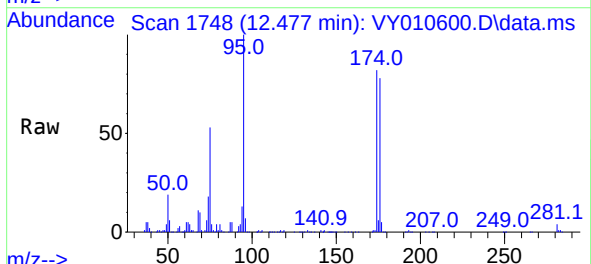
Instrument :
MSVOA_Y
ClientSampleId :

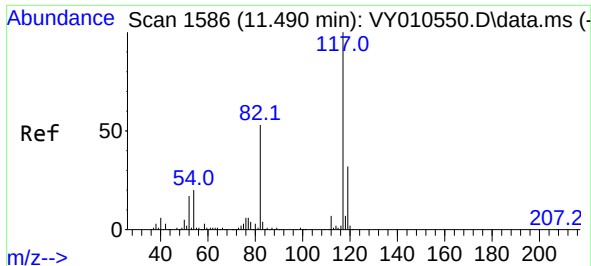
Tgt Ion: 98 Resp: 354315
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.992 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

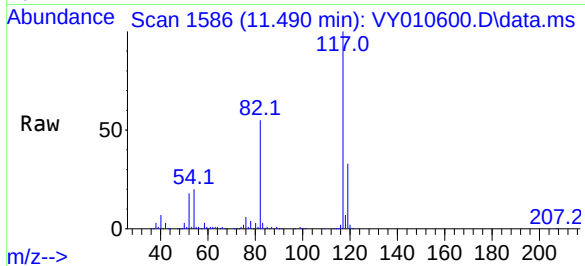
Tgt Ion: 95 Resp: 118516
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 82.3 0.0 175.8



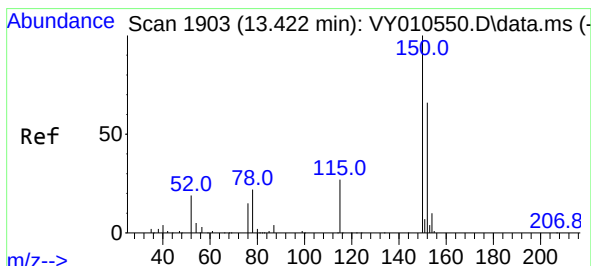
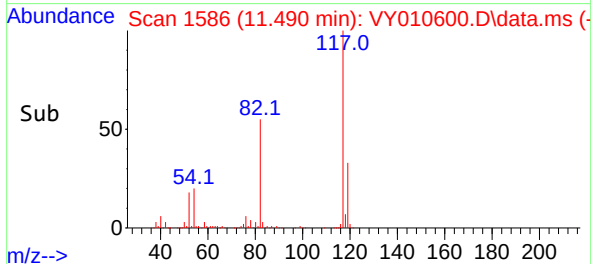
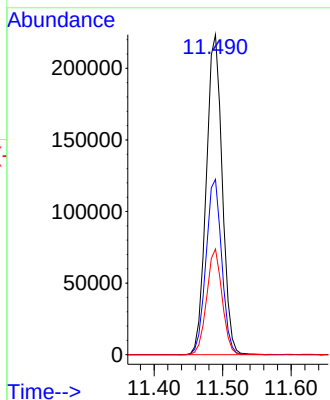


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :

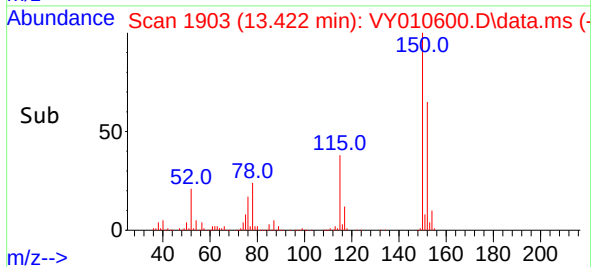
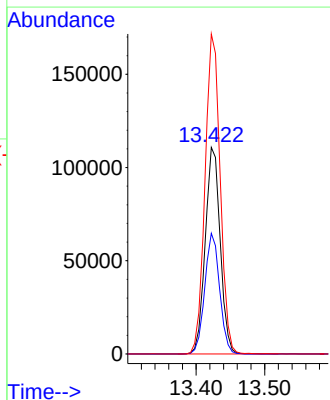
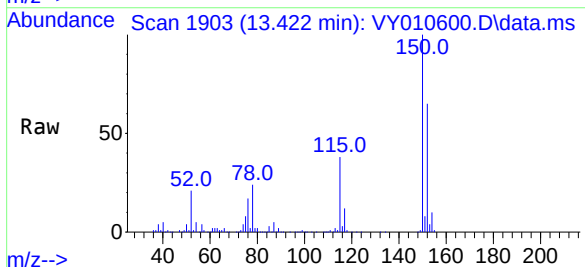


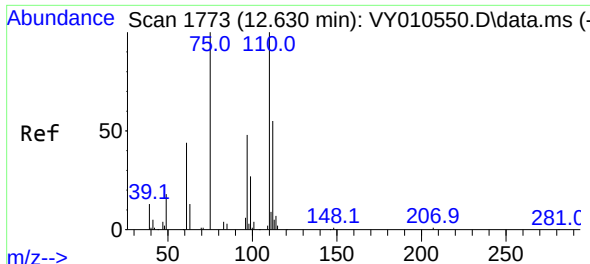
Tgt Ion:117 Resp: 361271
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Tgt Ion:152 Resp: 168421
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 156.7 0.0 347.6

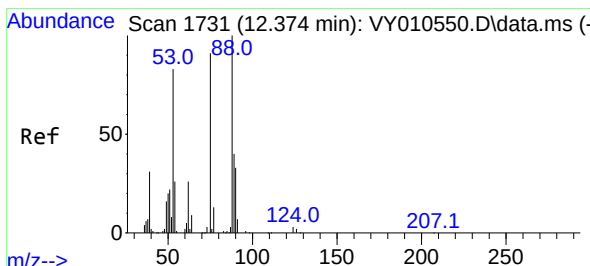
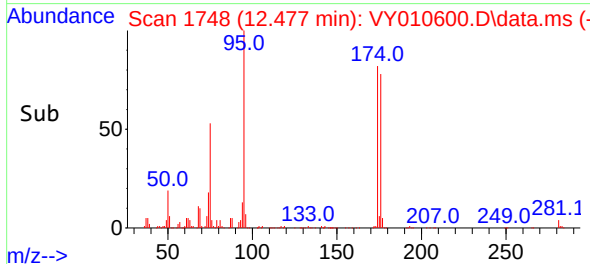
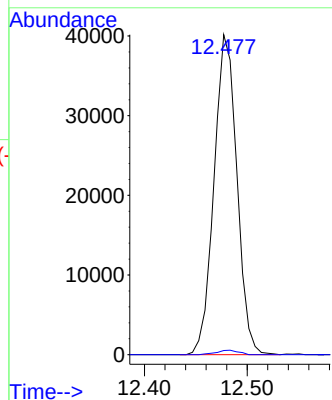
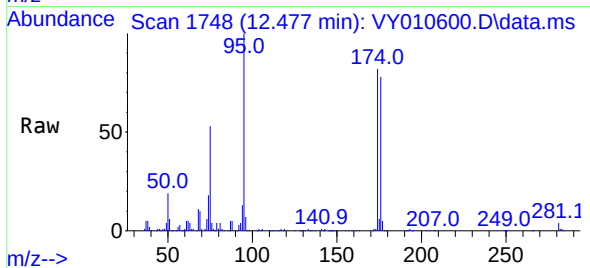




#76
1,2,3-Trichloropropane
Concen: 38.580 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 62016
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.780 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010600.D
Acq: 21 Sep 2022 15:44

Tgt Ion: 75 Resp: 62016
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

