

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060622\
 Data File : VY009141.D
 Acq On : 06 Jun 2022 12:44
 Operator : KP/MD
 Sample : N3143-03RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 02:30:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

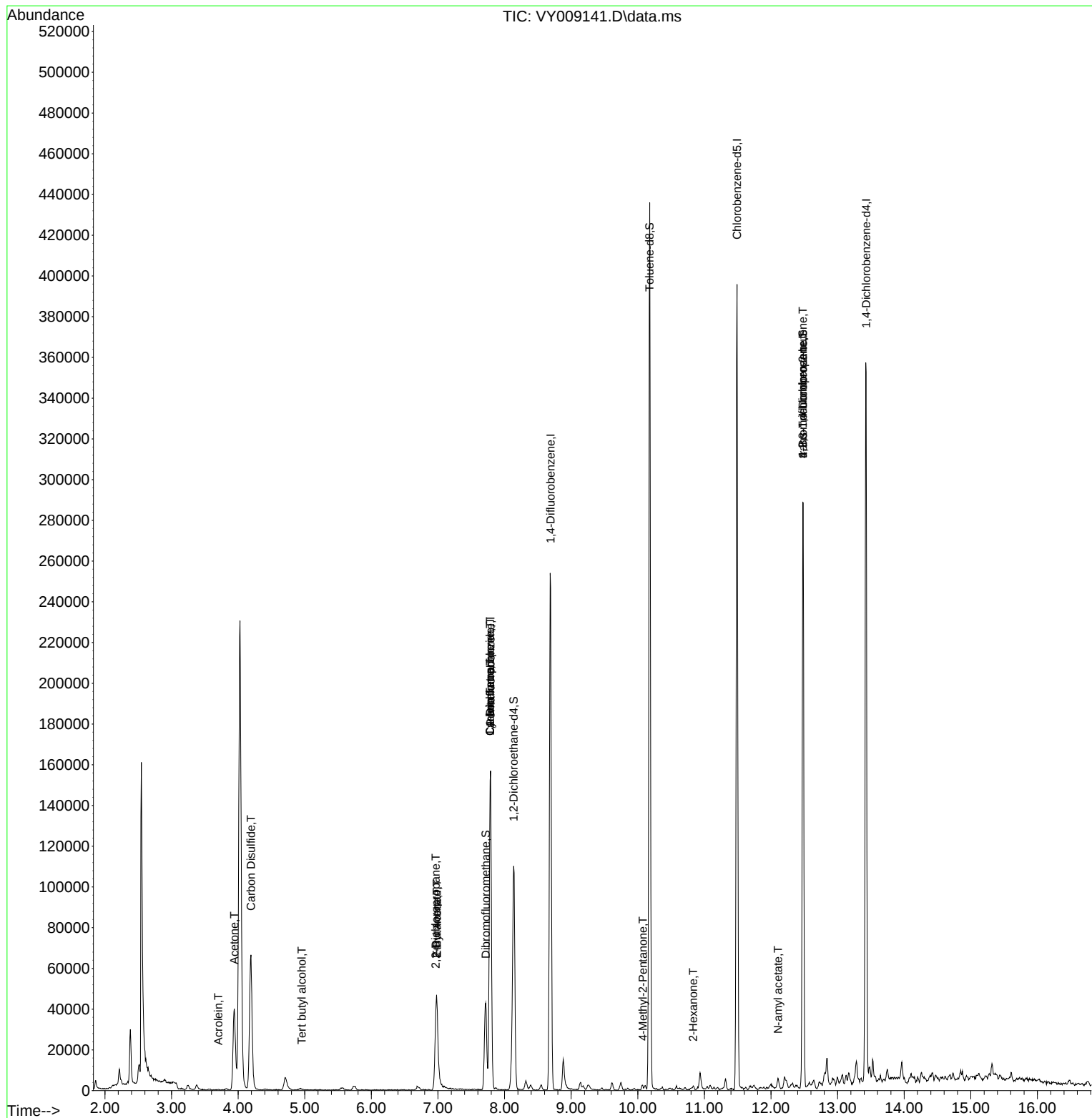
Internal Standards						
1) Pentafluorobenzene	7.789	168	119113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	215577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	200846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	76426	62.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.680%	
35) Dibromofluoromethane	7.716	113	30487	22.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.480%#	
50) Toluene-d8	10.179	98	266914	53.971	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.940%	
62) 4-Bromofluorobenzene	12.477	95	78815	39.507	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.020%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	1088	8.750	ug/l #	77
13) Acrolein	3.704	56	65	1.588	ug/l #	13
16) Acetone	3.942	43	66897	262.158	ug/l	90
17) Carbon Disulfide	4.192	76	126761	34.632	ug/l	100
20) Methylene Chloride	4.704	84	4127	Below Cal	#	92
25) 2-Butanone	6.984	43	18164	39.853	ug/l #	83
26) 2,2-Dichloropropane	6.966	77	2865	1.282	ug/l #	55
31) Cyclohexane	7.783	56	3173	1.323	ug/l #	41
36) 1,1-Dichloropropene	7.783	75	10364	4.543	ug/l #	51
37) Ethyl Acetate	6.984	43	18164	15.349	ug/l #	89
38) Carbon Tetrachloride	7.783	117	11815	4.951	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	1534	1.260	ug/l	92
59) 2-Hexanone	10.831	43	1665	1.997	ug/l	81
74) N-amyl acetate	12.105	43	3047	1.999	ug/l #	61
76) 1,2,3-Trichloropropane	12.477	75	46366	48.858	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46366	100.281	ug/l #	8

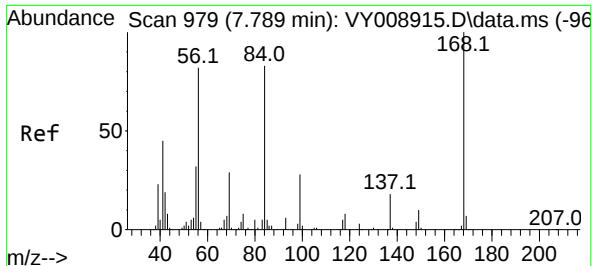
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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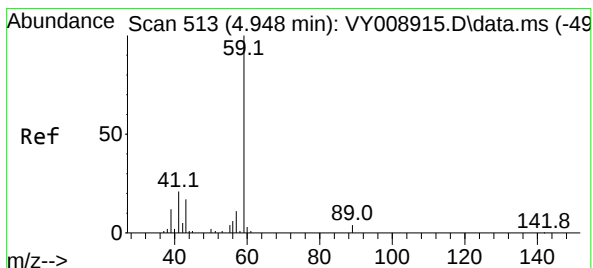
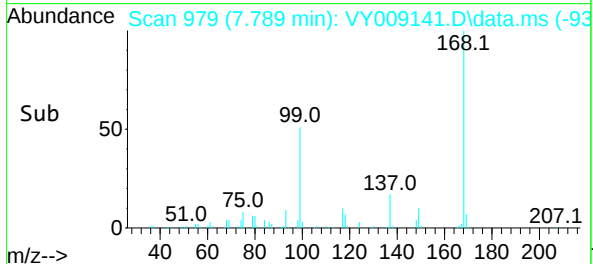
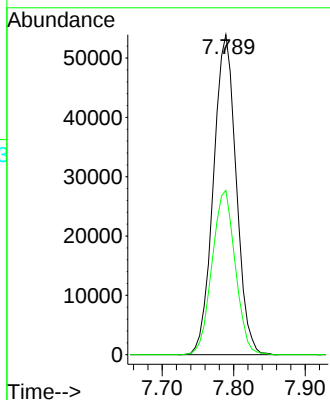
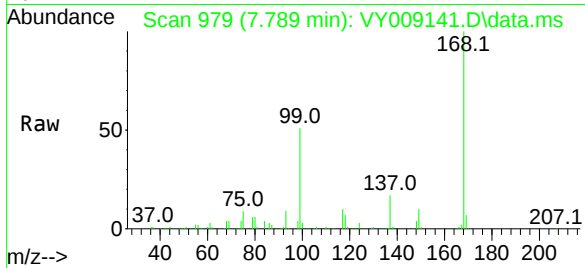




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

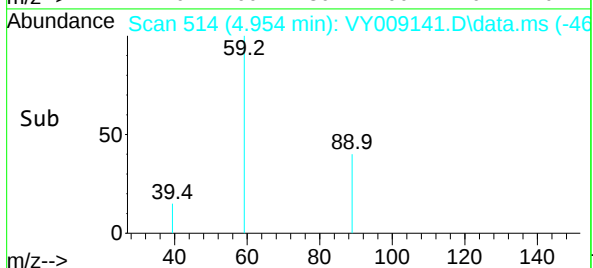
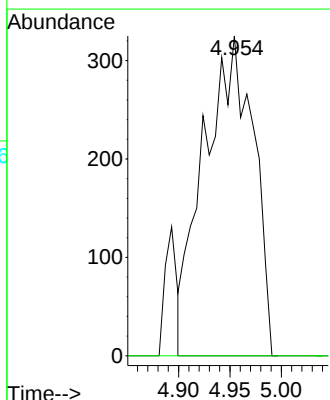
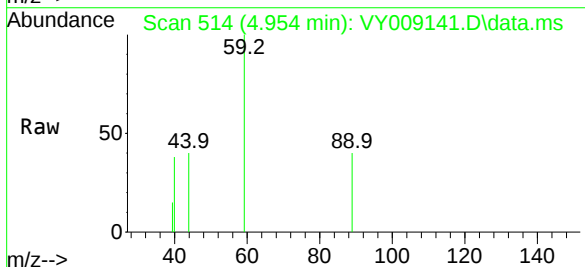
Instrument :
MSVOA_Y
ClientSampleId :

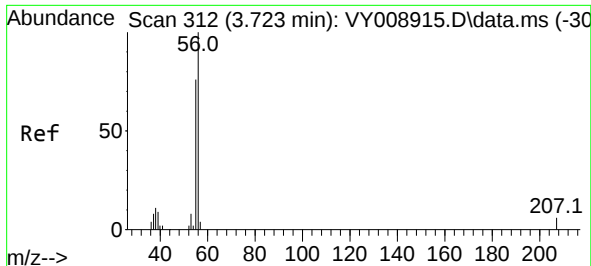
Tgt Ion:168 Resp: 119113
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 8.750 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

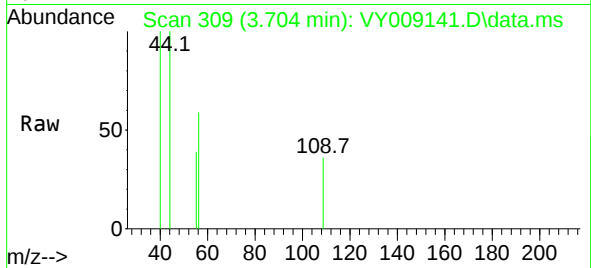
Tgt Ion: 59 Resp: 1088
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



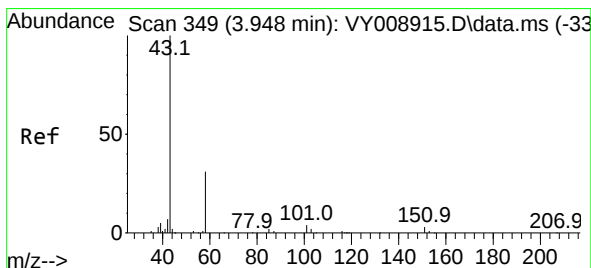
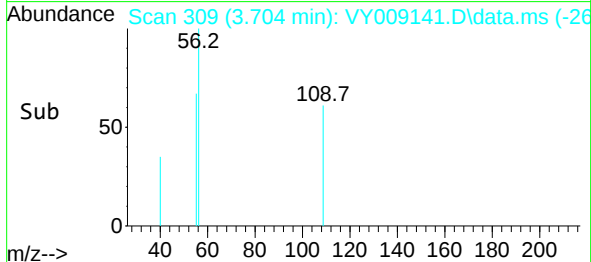
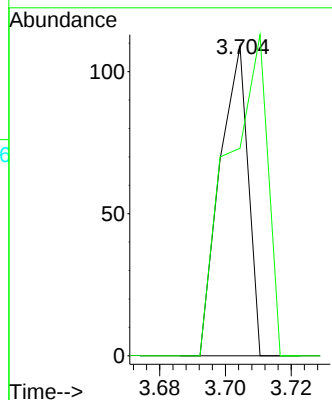


#13
Acrolein
Concen: 1.588 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.019 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

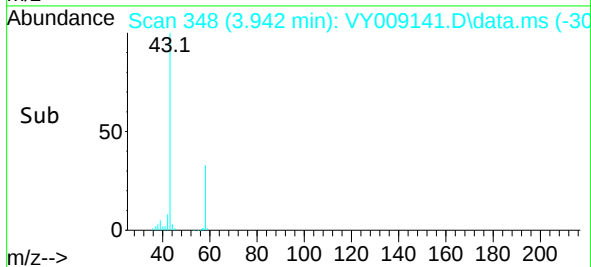
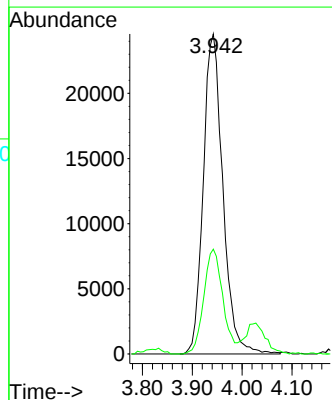
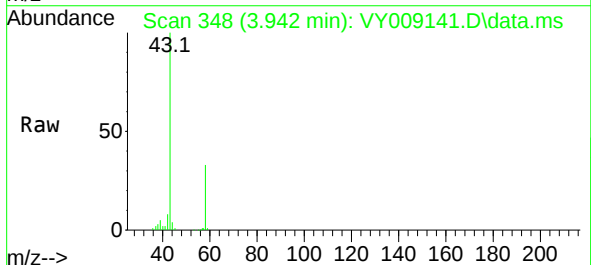


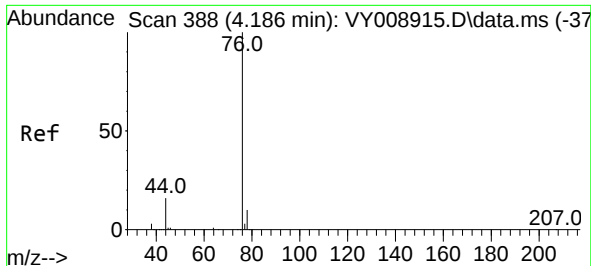
Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 144.6 57.6 86.4#



#16
Acetone
Concen: 262.158 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Tgt Ion: 43 Resp: 66897
Ion Ratio Lower Upper
43 100
58 32.7 22.0 33.0

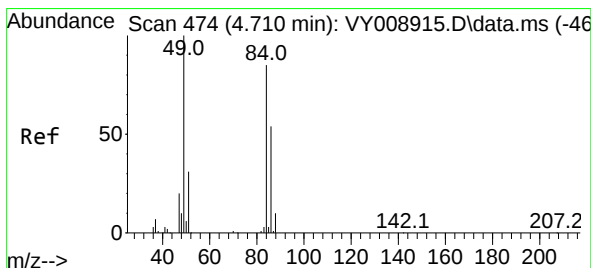
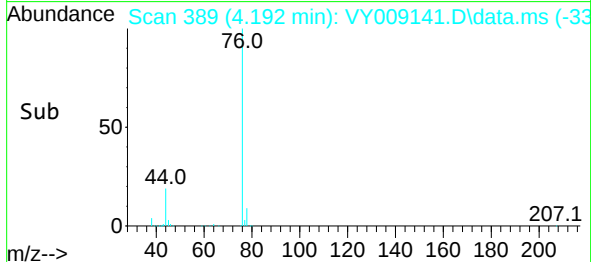
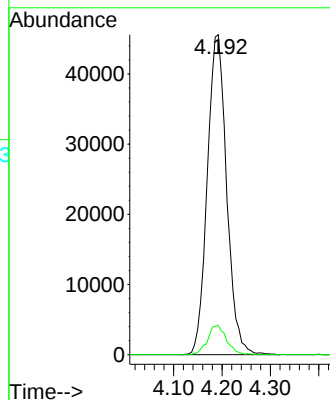
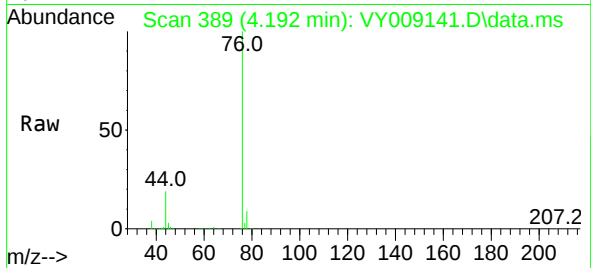




#17
Carbon Disulfide
Concen: 34.632 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

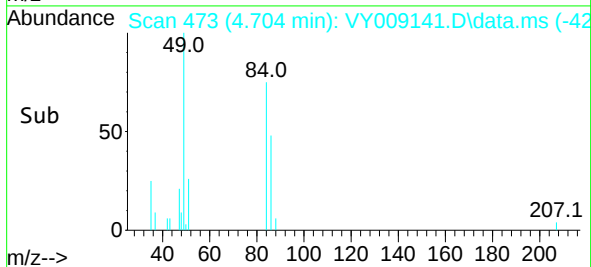
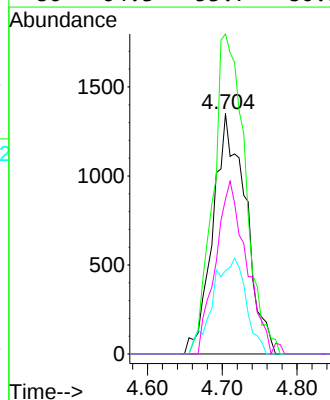
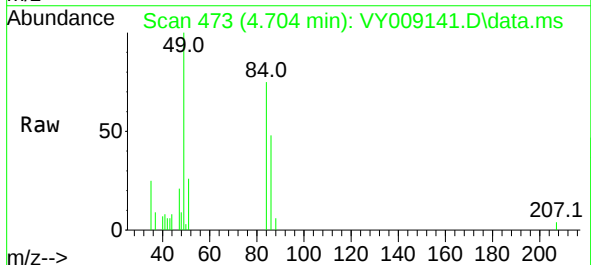
Instrument :
MSVOA_Y
ClientSampleId :

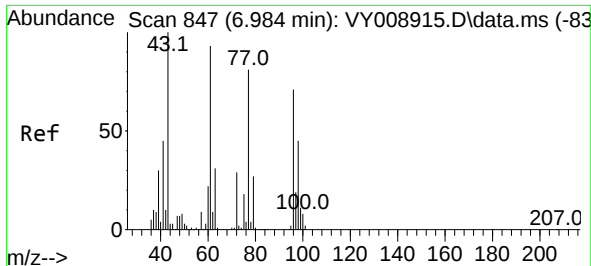
Tgt Ion: 76 Resp: 126761
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Tgt Ion: 84 Resp: 4127
Ion Ratio Lower Upper
84 100
49 133.1 114.4 171.6
51 34.6 35.3 52.9#
86 64.3 53.7 80.5





#25

2-Butanone

Concen: 39.853 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY009141.D

Acq: 06 Jun 2022 12:44

Instrument :

MSVOA_Y

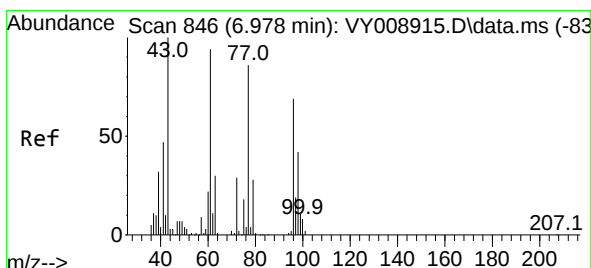
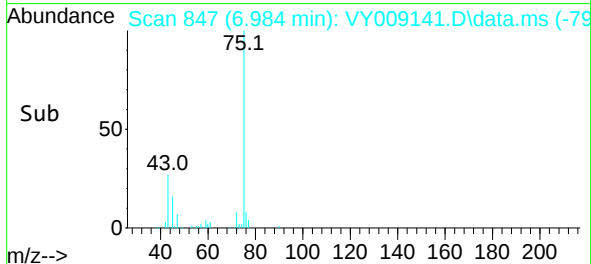
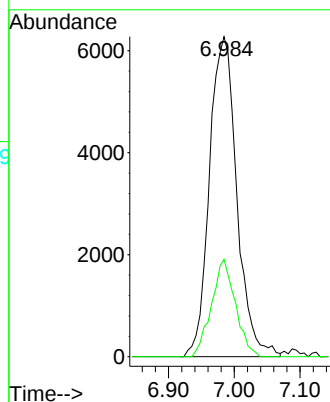
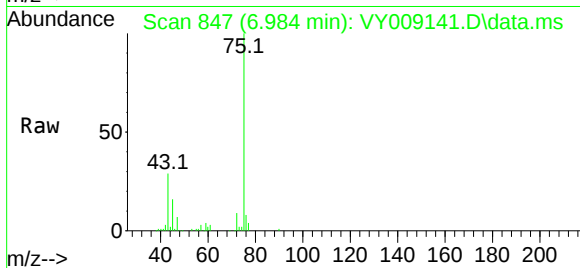
ClientSampleId :

Tgt Ion: 43 Resp: 18164

Ion Ratio Lower Upper

43 100

72 30.4 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.282 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY009141.D

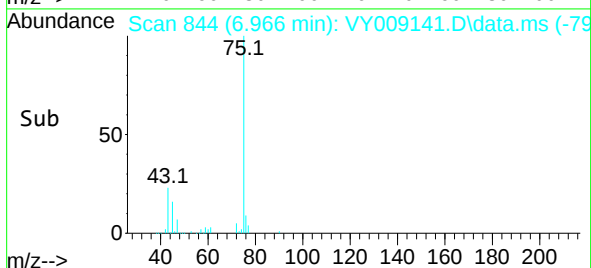
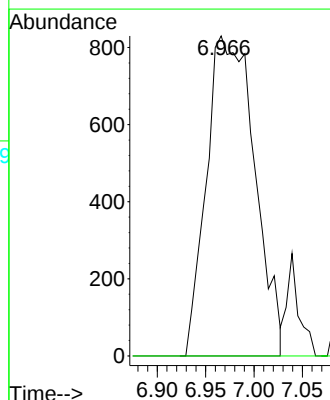
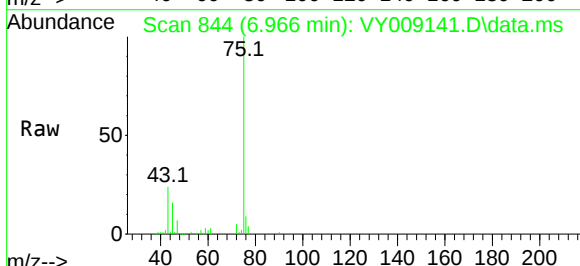
Acq: 06 Jun 2022 12:44

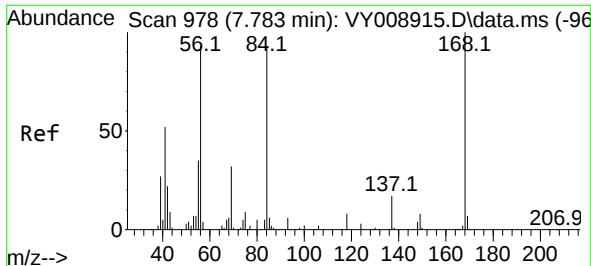
Tgt Ion: 77 Resp: 2865

Ion Ratio Lower Upper

77 100

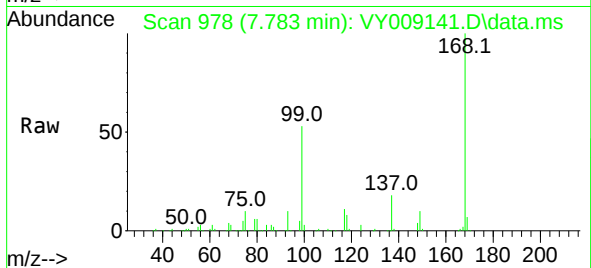
97 0.0 10.4 31.4#



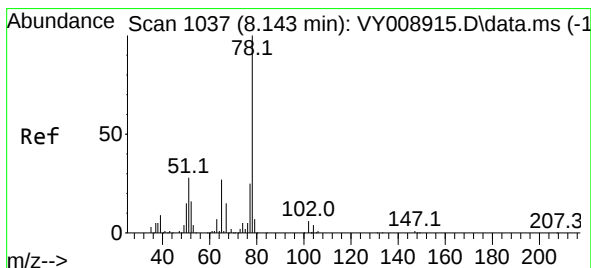
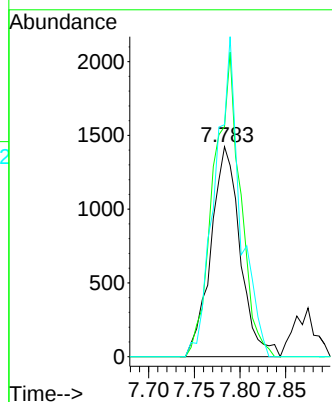
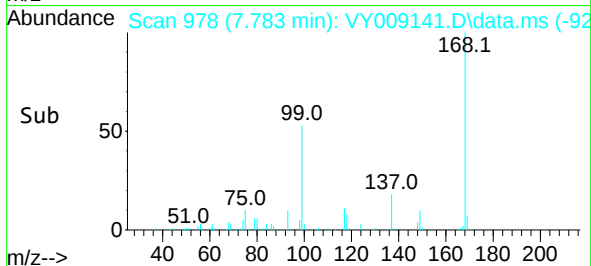


#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

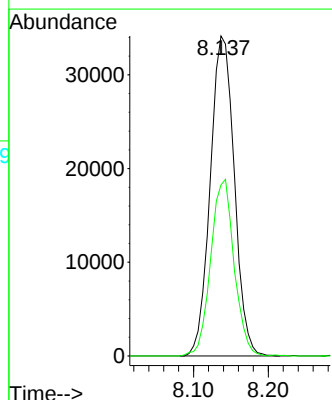
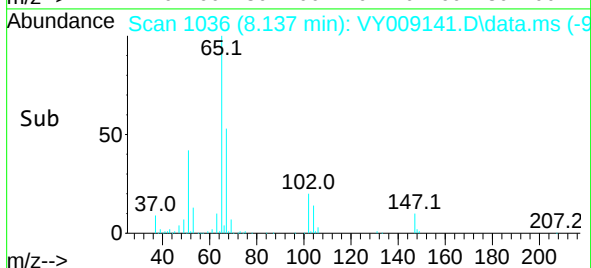
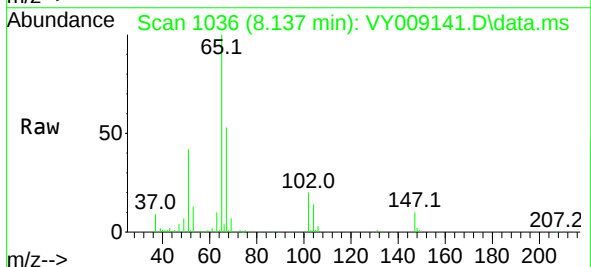


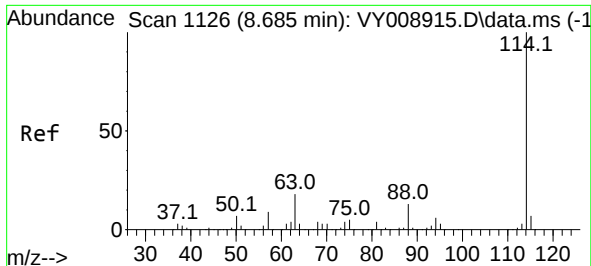
Tgt Ion: 56 Resp: 3173
Ion Ratio Lower Upper
56 100
69 109.7 26.7 40.1#
84 110.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.343 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Tgt Ion: 65 Resp: 76426
Ion Ratio Lower Upper
65 100
67 53.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009141.D

Acq: 06 Jun 2022 12:44

Instrument :

MSVOA_Y

ClientSampleId :

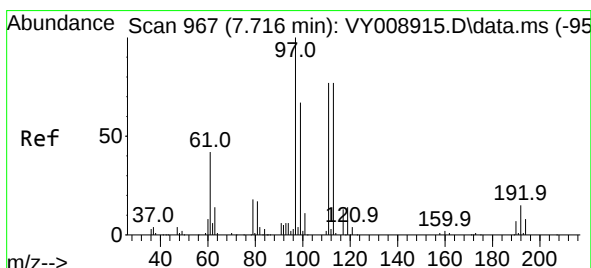
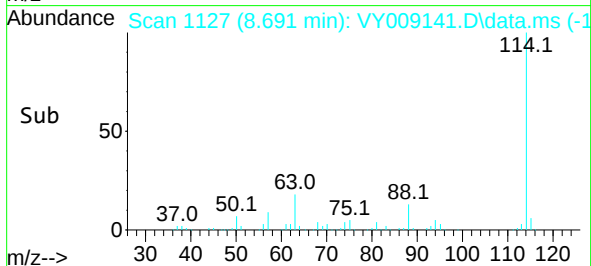
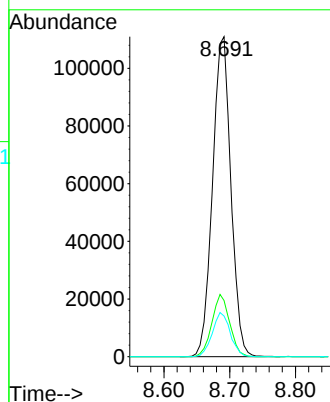
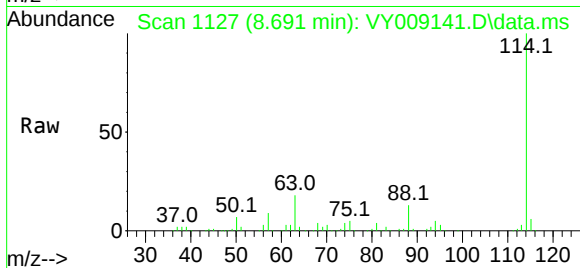
Tgt Ion:114 Resp: 215577

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 12.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 22.742 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY009141.D

Acq: 06 Jun 2022 12:44

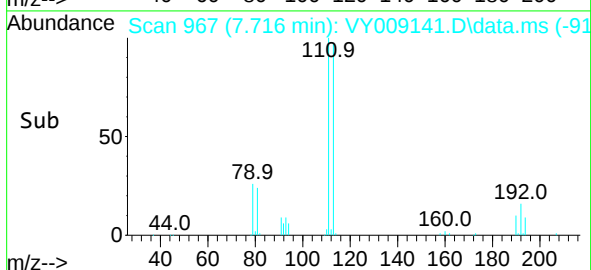
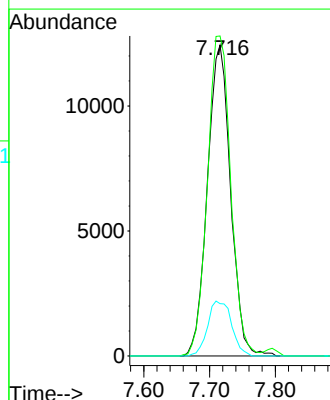
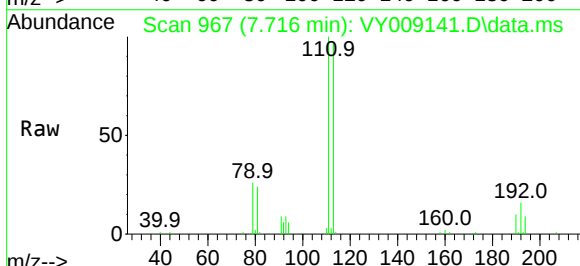
Tgt Ion:113 Resp: 30487

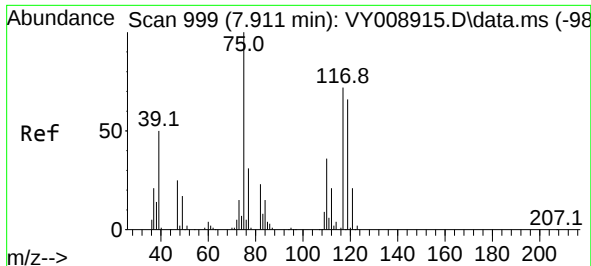
Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

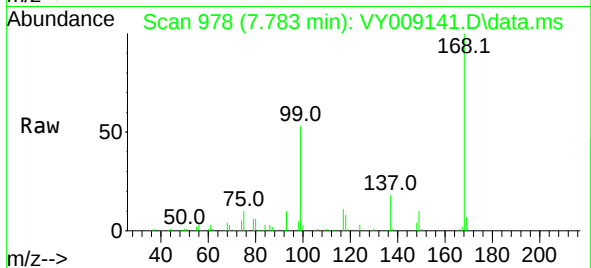
192 18.2 17.6 26.4



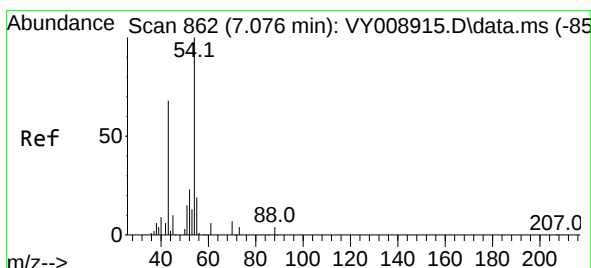
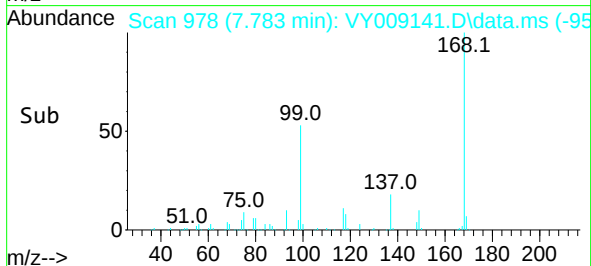
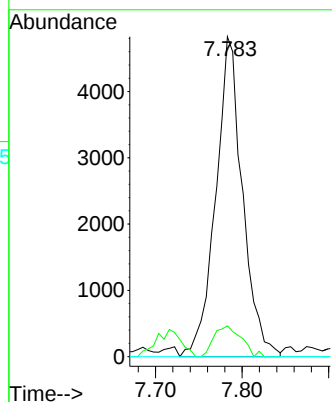


#36
1,1-Dichloropropene
Concen: 4.543 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

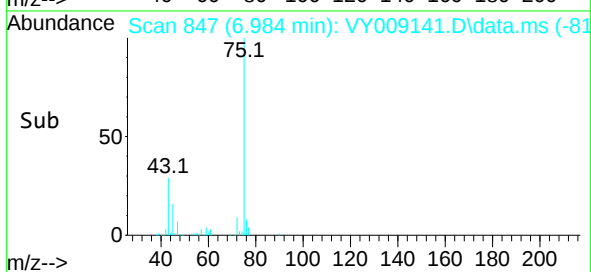
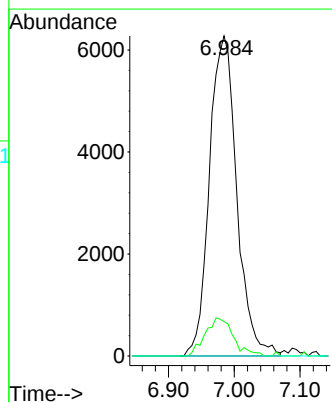
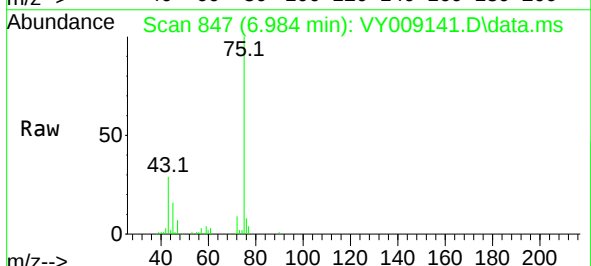


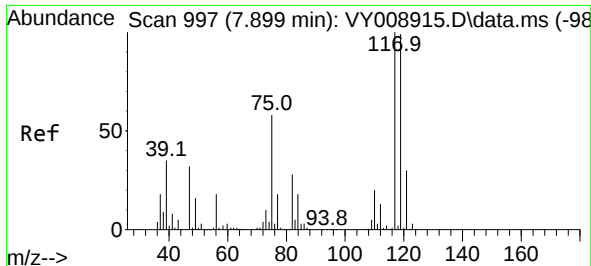
Tgt Ion: 75 Resp: 10364
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 15.349 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.092 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

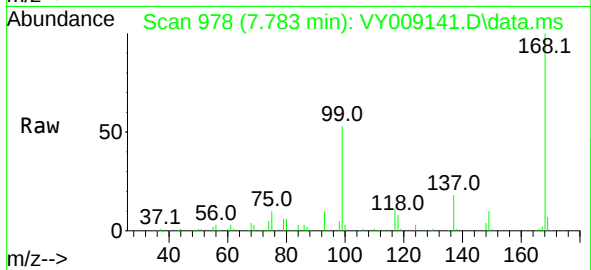
Tgt Ion: 43 Resp: 18164
Ion Ratio Lower Upper
43 100
61 12.2 9.7 14.5
70 0.0 7.1 10.7#



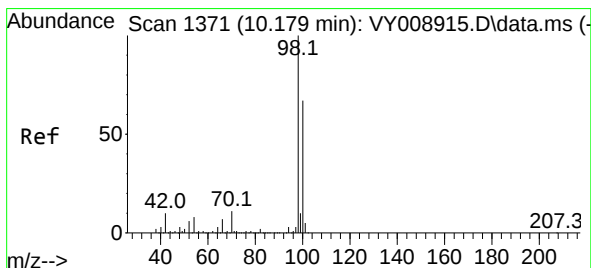
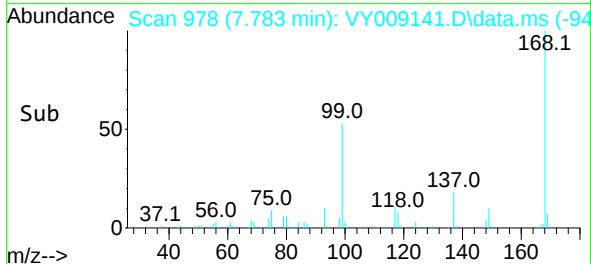
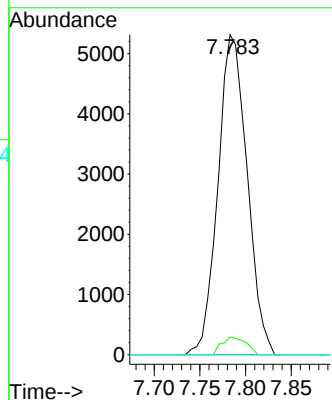


#38
Carbon Tetrachloride
Concen: 4.951 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

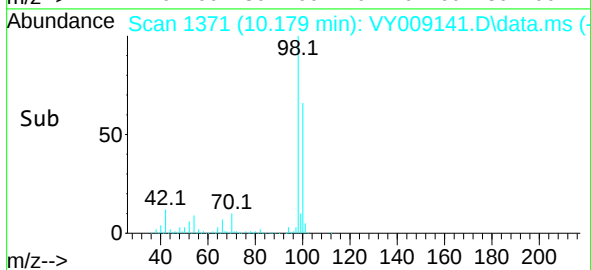
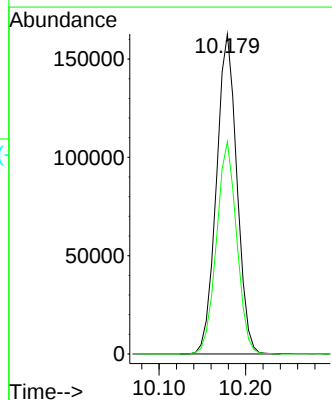
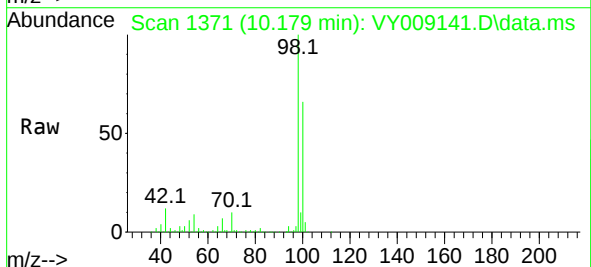


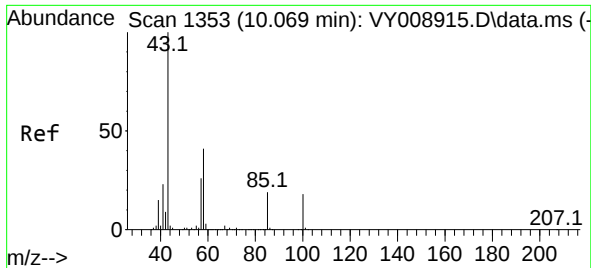
Tgt Ion:117 Resp: 11815
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.971 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

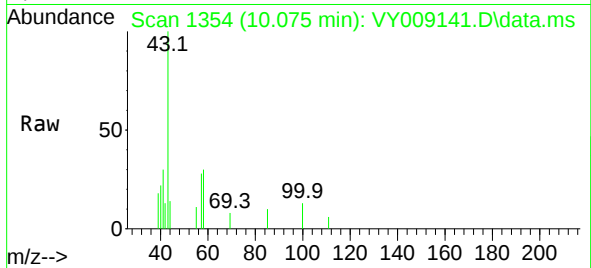
Tgt Ion: 98 Resp: 266914
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



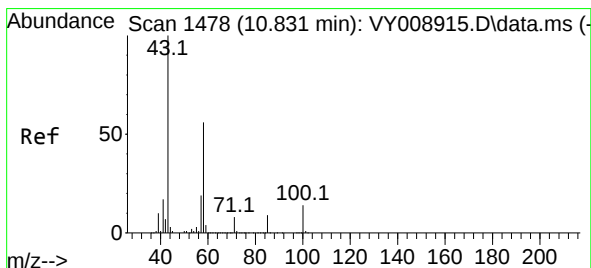
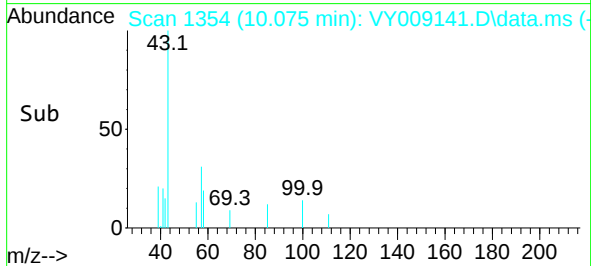
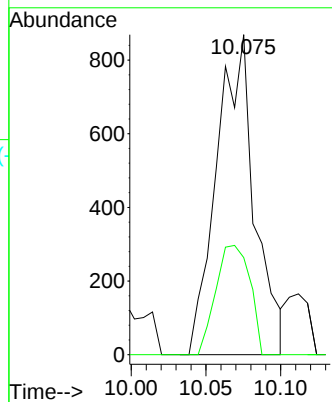


#51
4-Methyl-2-Pentanone
Concen: 1.260 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

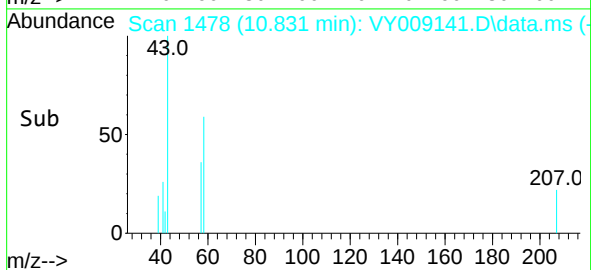
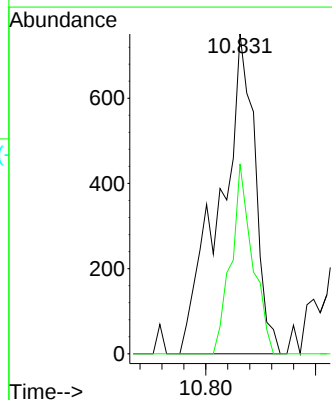
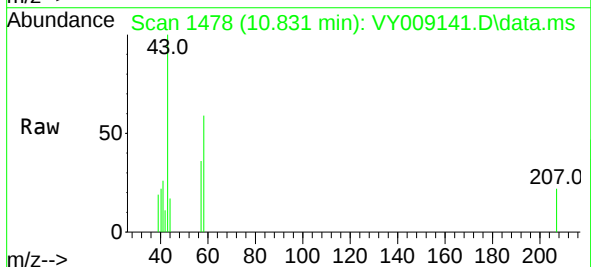


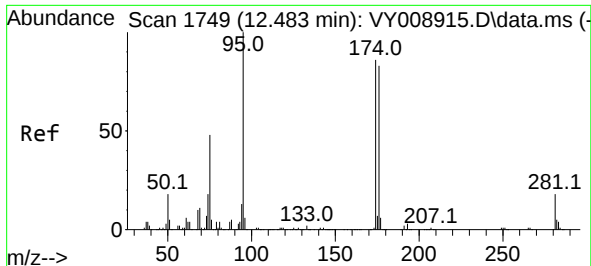
Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 30.7 28.1 42.1



#59
2-Hexanone
Concen: 1.997 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

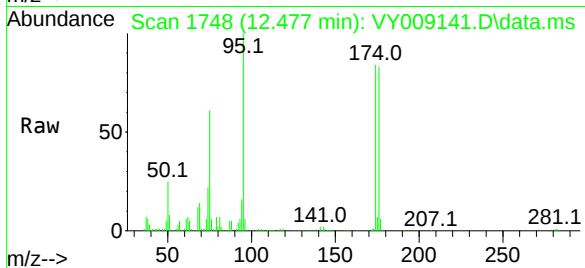
Tgt Ion: 43 Resp: 1665
Ion Ratio Lower Upper
43 100
58 36.3 24.4 73.4



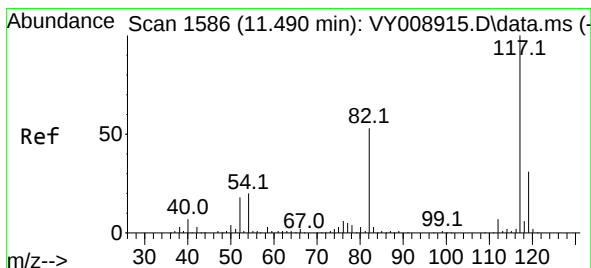
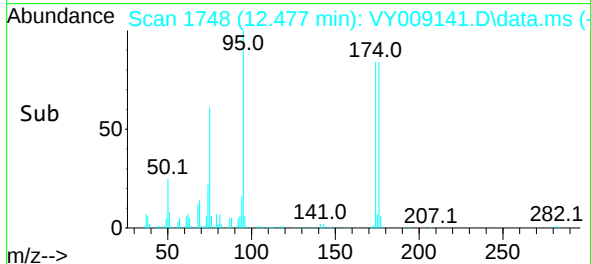
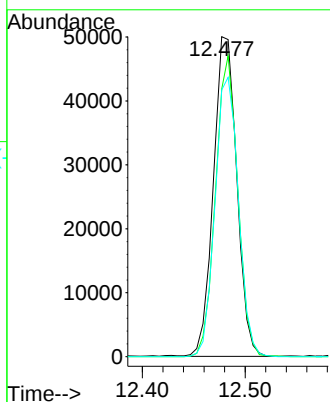


#62
4-Bromofluorobenzene
Concen: 39.507 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

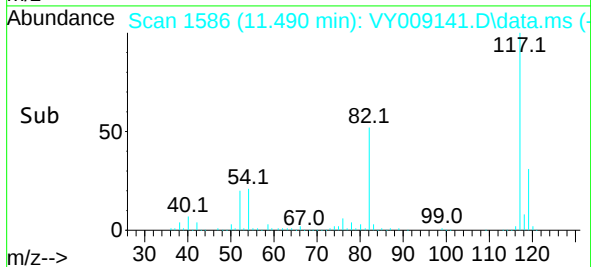
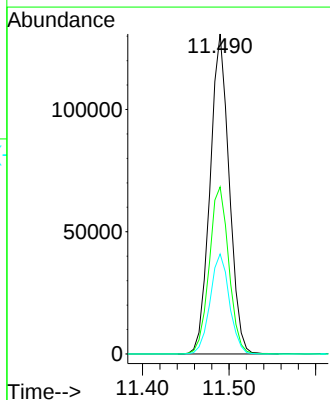
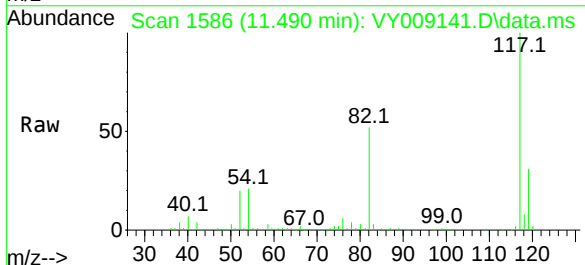


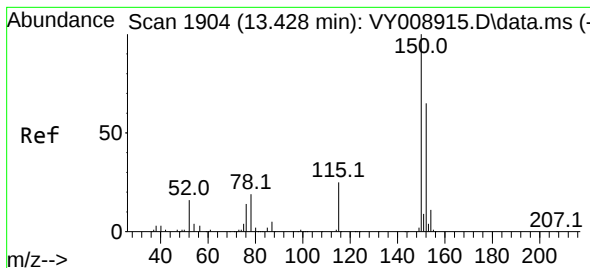
Tgt Ion: 95 Resp: 78815
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.0
176 87.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Tgt Ion: 117 Resp: 200846
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 31.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

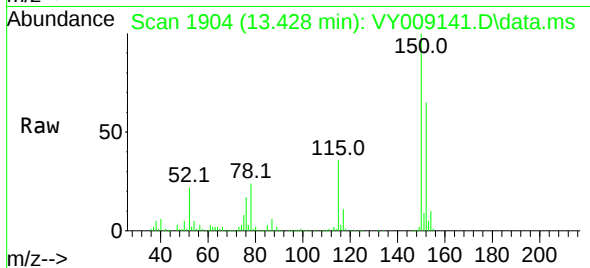
Lab File: VY009141.D

Acq: 06 Jun 2022 12:44

Instrument :

MSVOA_Y

ClientSampleId :



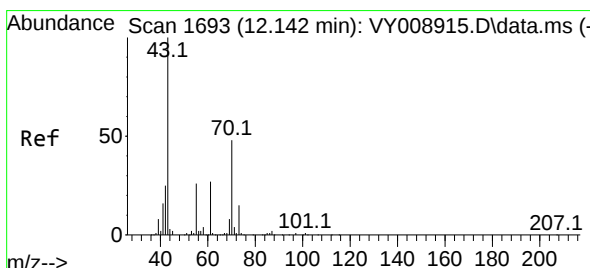
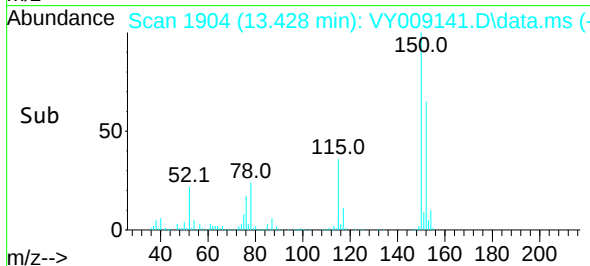
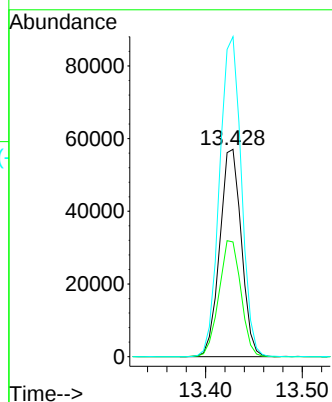
Tgt Ion:152 Resp: 88371

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 155.3 0.0 347.6



#74

N-ethyl acetate

Concen: 1.999 ug/l

RT: 12.105 min Scan# 1687

Delta R.T. -0.037 min

Lab File: VY009141.D

Acq: 06 Jun 2022 12:44

Tgt Ion: 43 Resp: 3047

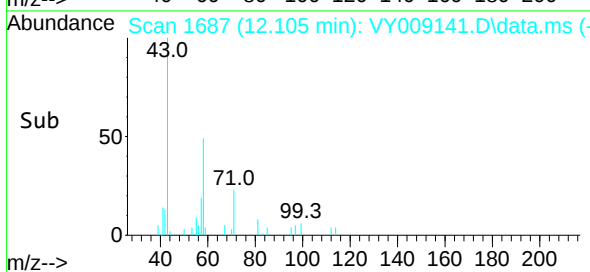
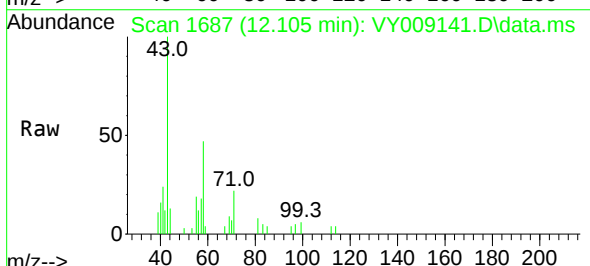
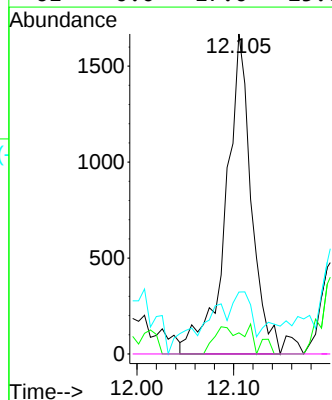
Ion Ratio Lower Upper

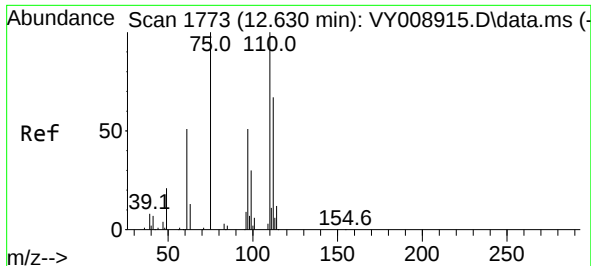
43 100

70 12.4 28.7 43.1#

55 7.0 17.3 25.9#

61 0.0 17.0 25.6#

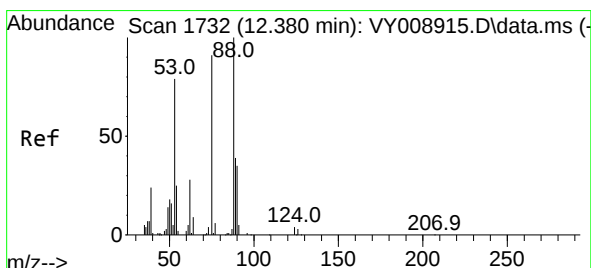
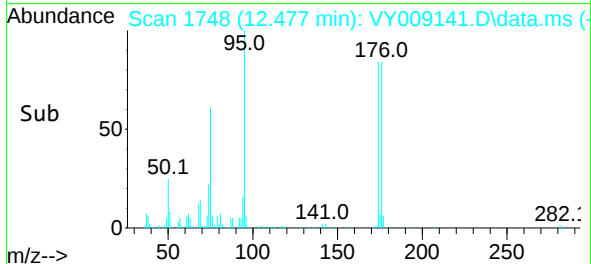
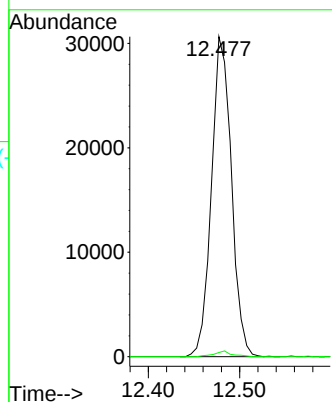
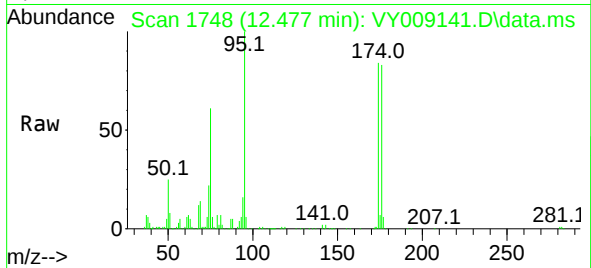




#76
1,2,3-Trichloropropane
Concen: 48.858 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 46366
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.281 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009141.D
Acq: 06 Jun 2022 12:44

Tgt Ion: 75 Resp: 46366
Ion Ratio Lower Upper
75 100
53 0.5 85.3 127.9#
89 0.0 37.0 55.4#

