

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060622\
 Data File : VY009150.D
 Acq On : 06 Jun 2022 16:15
 Operator : KP/MD
 Sample : N3170-04
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 02:32:47 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)

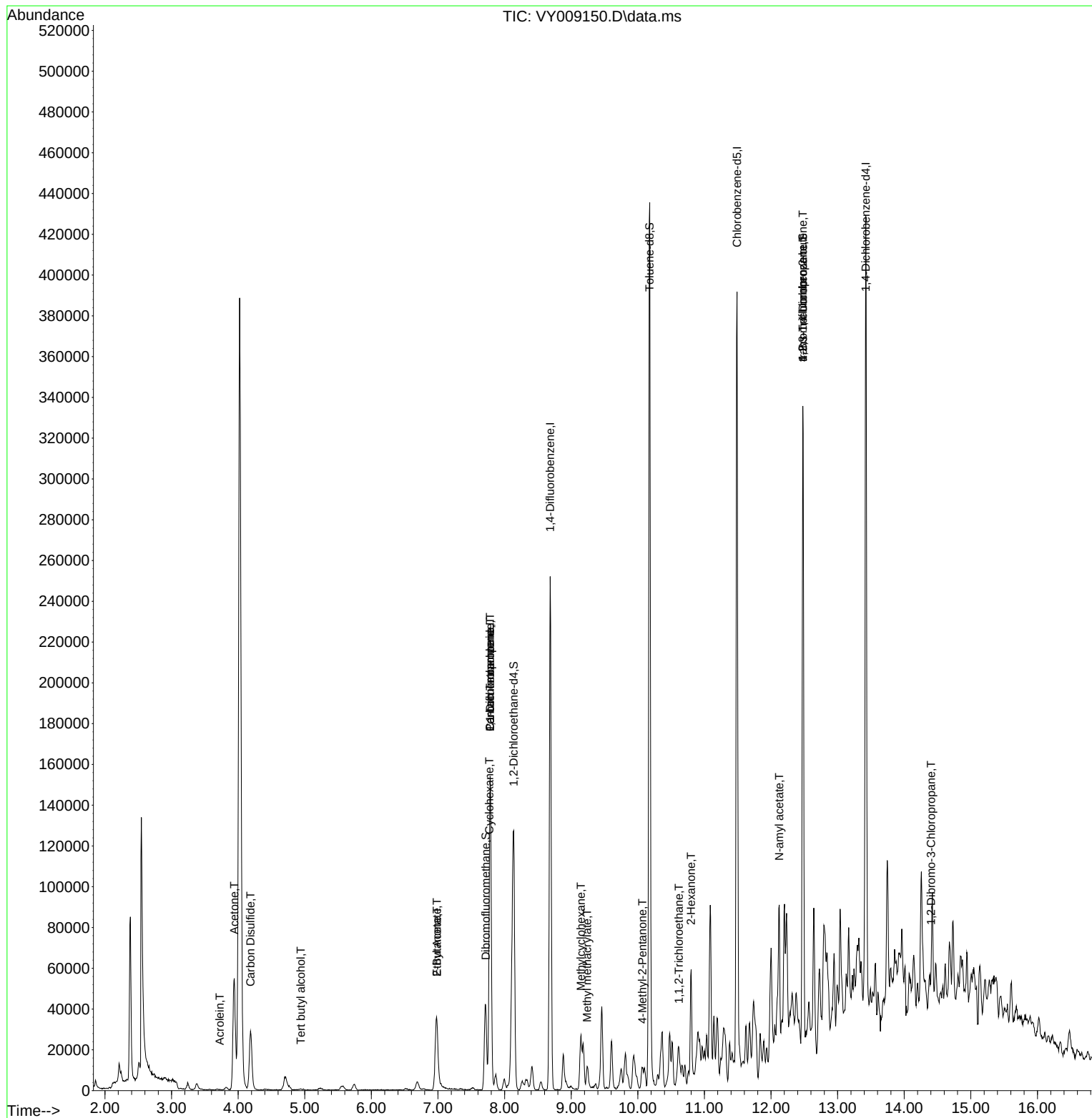
Internal Standards						
1) Pentafluorobenzene	7.783	168	116331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	205474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	198195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75475	63.040	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.080%	
35) Dibromofluoromethane	7.716	113	29194	22.848	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.700%#	
50) Toluene-d8	10.179	98	263983	56.003	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.000%	
62) 4-Bromofluorobenzene	12.477	95	83053	43.679	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.360%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	230	1.894	ug/l #	77
13) Acrolein	3.722	56	136	3.402	ug/l #	14
16) Acetone	3.942	43	91929	368.870	ug/l #	86
17) Carbon Disulfide	4.186	76	53714	15.026	ug/l	100
20) Methylene Chloride	4.710	84	4122	Below Cal	#	80
25) 2-Butanone	6.984	43	20420	45.874	ug/l #	90
31) Cyclohexane	7.771	56	4022	1.717	ug/l #	62
36) 1,1-Dichloropropene	7.783	75	9719	4.470	ug/l #	52
37) Ethyl Acetate	6.984	43	20420	18.104	ug/l #	82
38) Carbon Tetrachloride	7.783	117	11494	5.053	ug/l #	15
39) Methylcyclohexane	9.148	83	4177	1.488	ug/l #	41
48) Methyl methacrylate	9.240	41	2945	3.145	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	1808	1.558	ug/l #	85
55) 1,1,2-Trichloroethane	10.618	97	5629	4.203	ug/l #	24
59) 2-Hexanone	10.800	43	23602	29.699	ug/l #	32
74) N-amyl acetate	12.123	43	19629	12.085	ug/l #	66
76) 1,2,3-Trichloropropane	12.477	75	47345	46.827	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47345	96.113	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.403	75	402	1.785	ug/l #	6

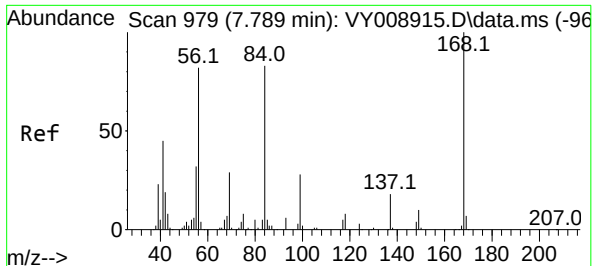
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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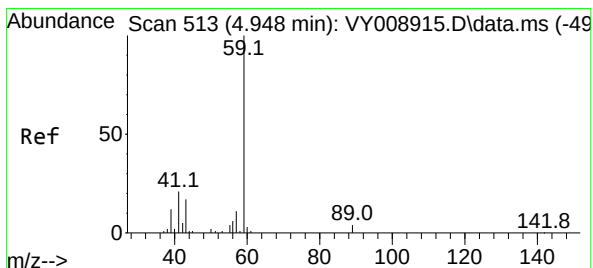
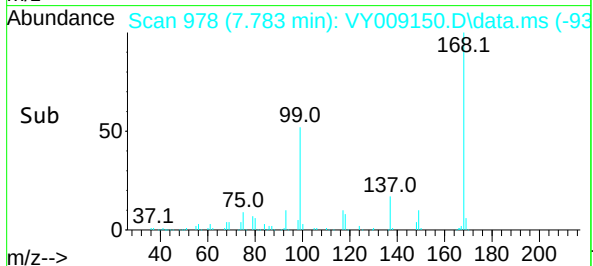
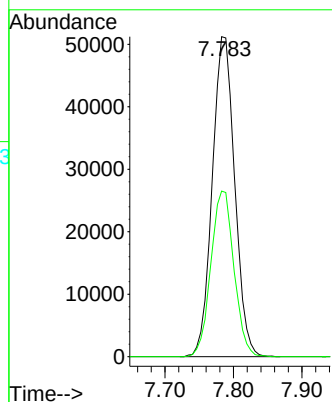
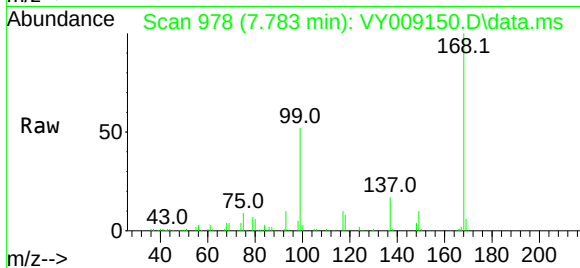




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

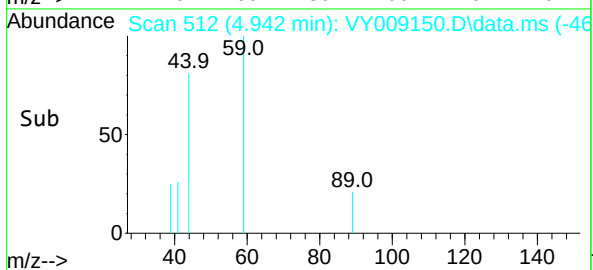
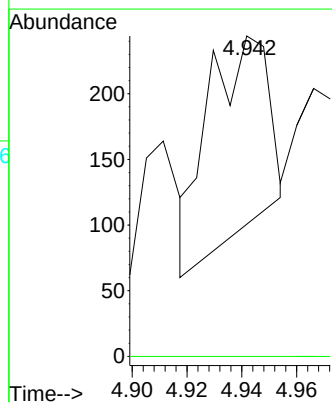
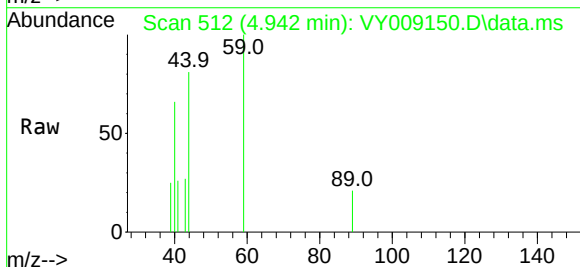
Instrument :
MSVOA_Y
ClientSampleId :

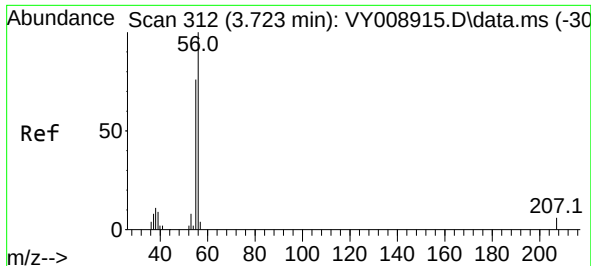
Tgt Ion:168 Resp: 116331
Ion Ratio Lower Upper
168 100
99 51.7 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.894 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

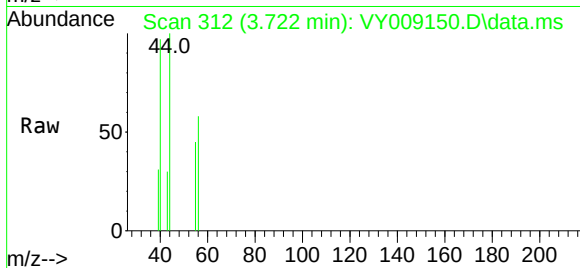
Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



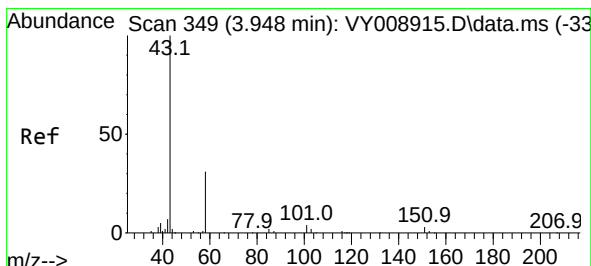
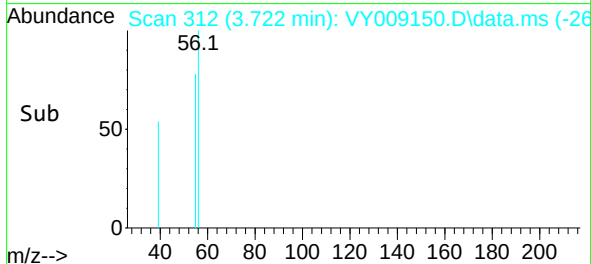
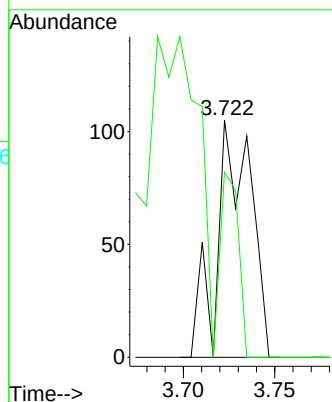


#13
Acrolein
Concen: 3.402 ug/l
RT: 3.722 min Scan# 312
Delta R.T. -0.001 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Instrument :
MSVOA_Y
ClientSampleId :

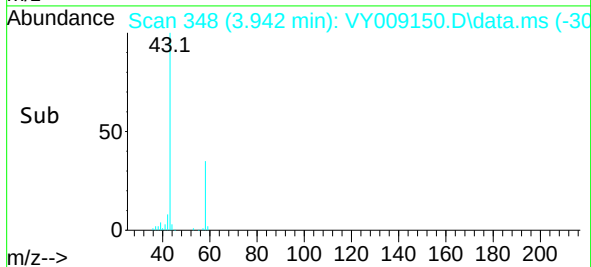
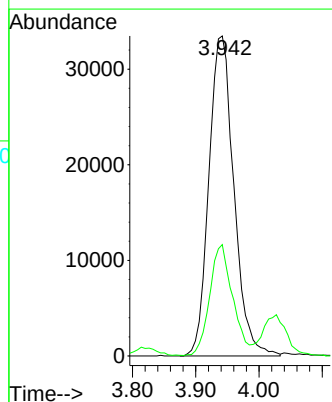
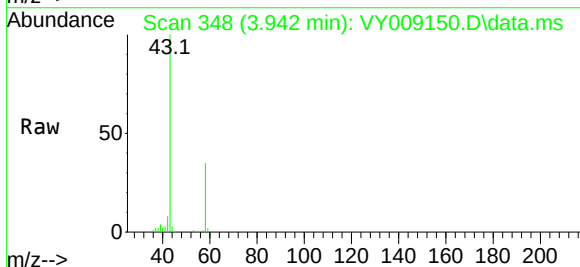


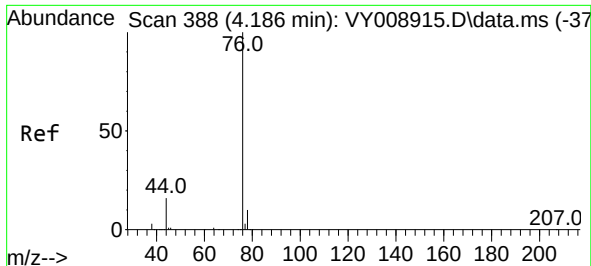
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 368.870 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Tgt Ion: 43 Resp: 91929
Ion Ratio Lower Upper
43 100
58 34.6 22.0 33.0#

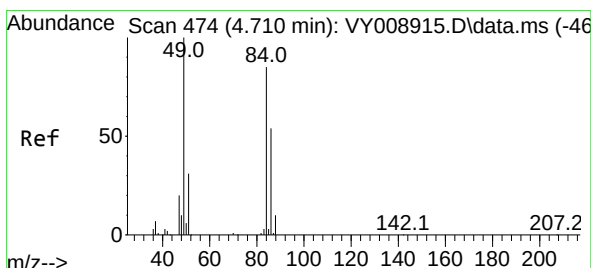
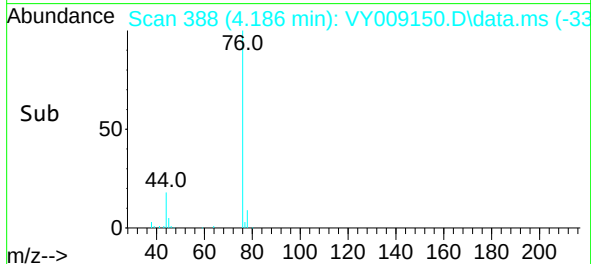
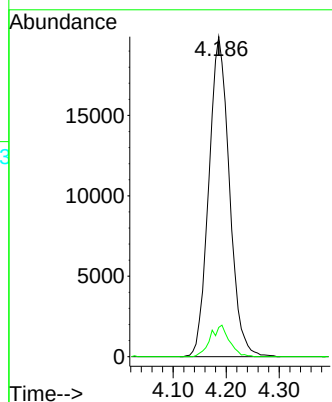
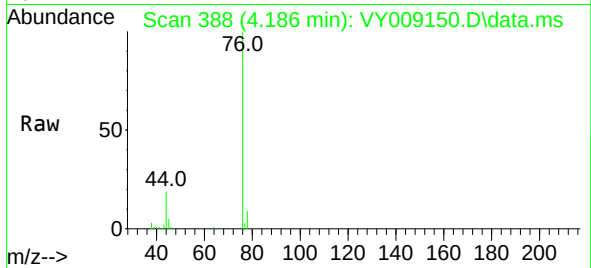




#17
Carbon Disulfide
Concen: 15.026 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

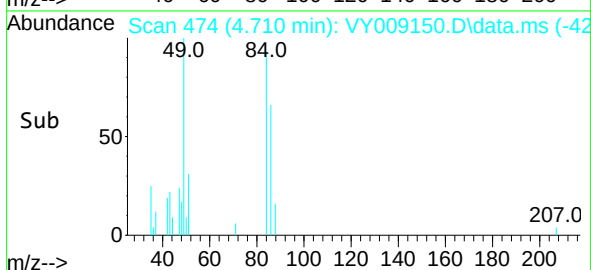
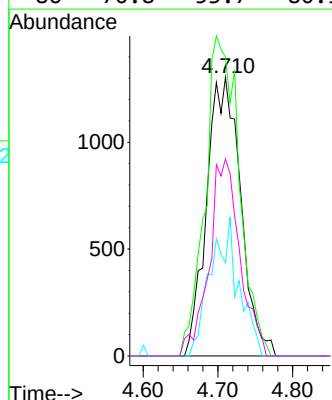
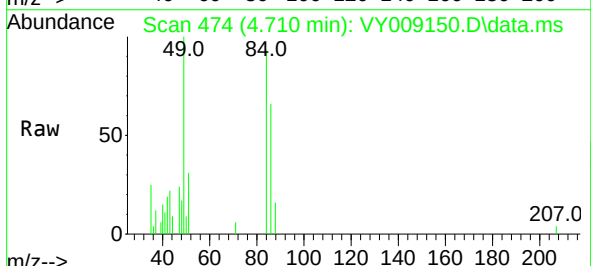
Instrument :
MSVOA_Y
ClientSampleId :

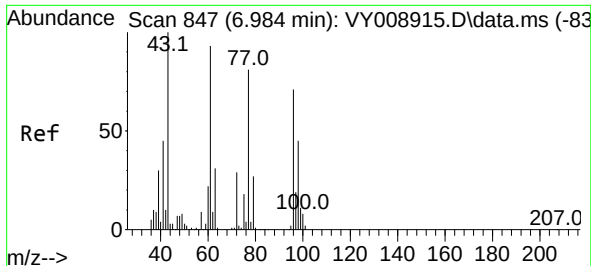
Tgt Ion: 76 Resp: 53714
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

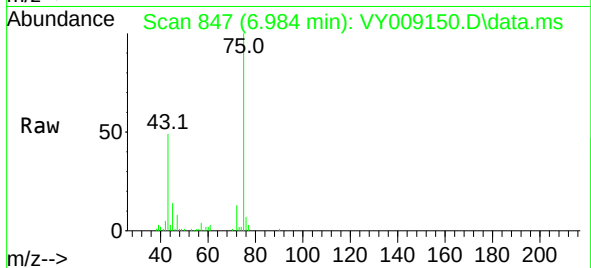
Tgt Ion: 84 Resp: 4122
Ion Ratio Lower Upper
84 100
49 107.3 114.4 171.6#
51 33.5 35.3 52.9#
86 70.8 53.7 80.5



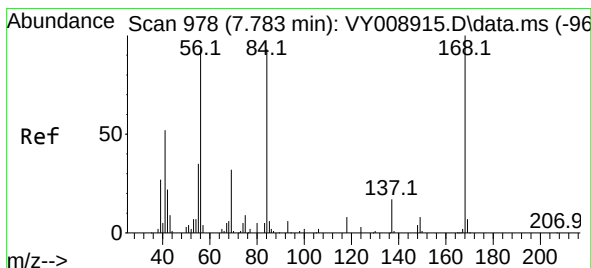
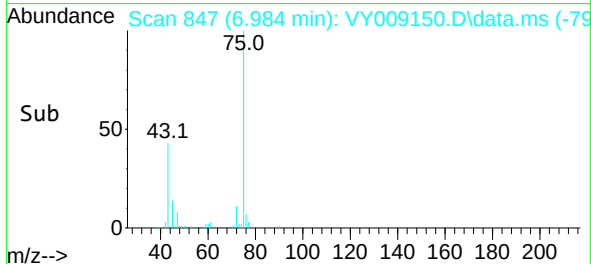
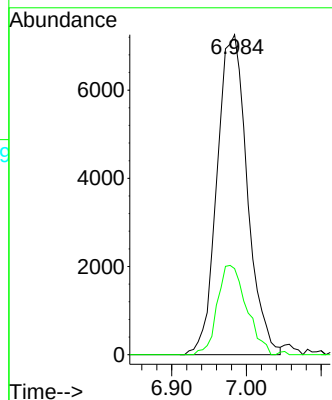


#25
2-Butanone
Concen: 45.874 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Instrument :
MSVOA_Y
ClientSampleId :

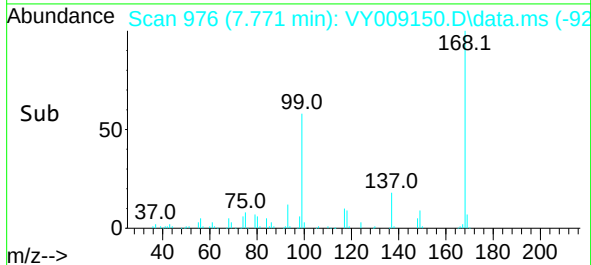
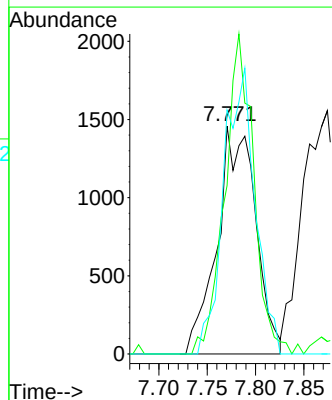
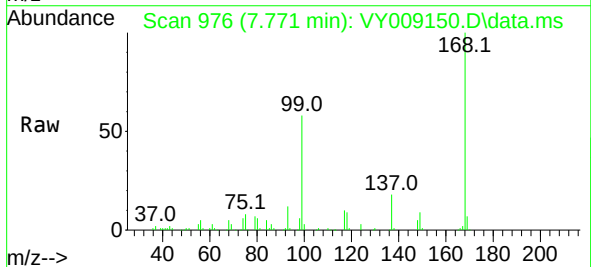


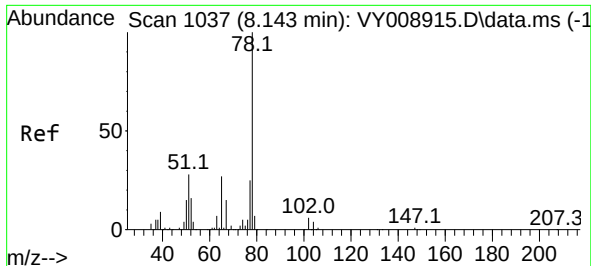
Tgt Ion: 43 Resp: 20420
Ion Ratio Lower Upper
43 100
72 26.9 17.7 26.5#



#31
Cyclohexane
Concen: 1.717 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.012 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Tgt Ion: 56 Resp: 4022
Ion Ratio Lower Upper
56 100
69 73.9 26.7 40.1#
84 107.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.040 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009150.D

Acq: 06 Jun 2022 16:15

Instrument :

MSVOA_Y

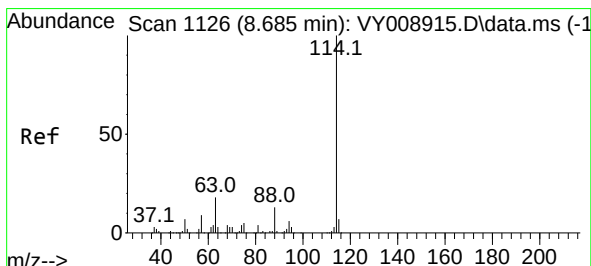
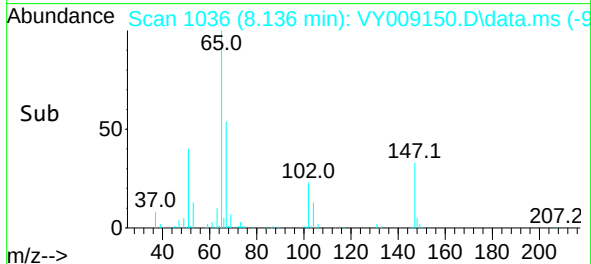
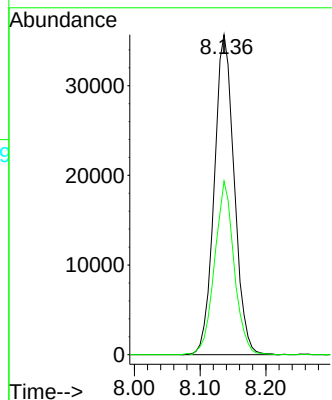
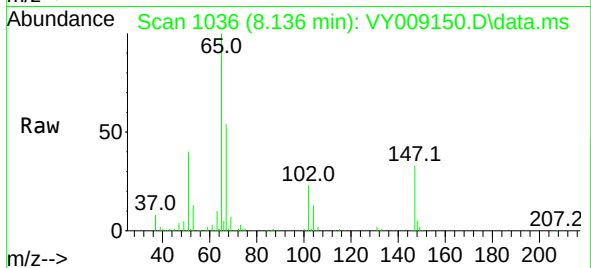
ClientSampleId :

Tgt Ion: 65 Resp: 75475

Ion Ratio Lower Upper

65 100

67 53.0 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: VY009150.D

Acq: 06 Jun 2022 16:15

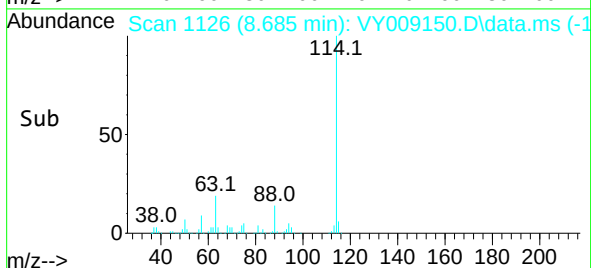
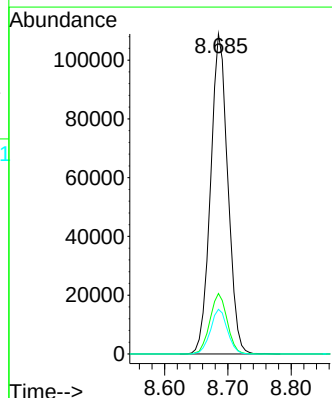
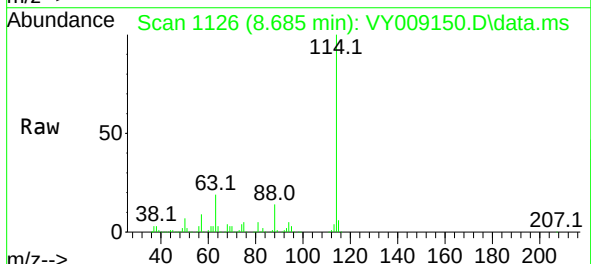
Tgt Ion: 114 Resp: 205474

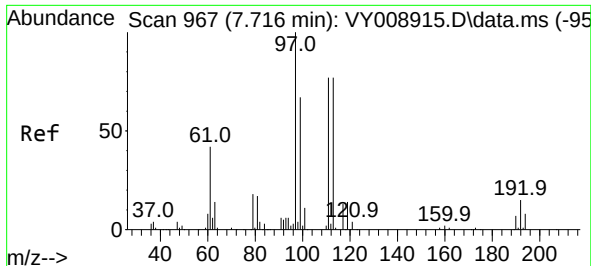
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.0 0.0 31.8

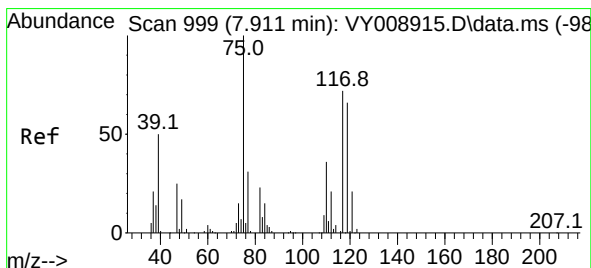
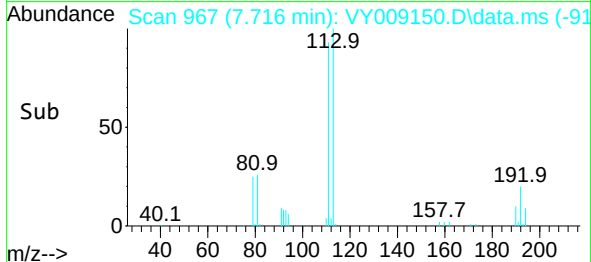
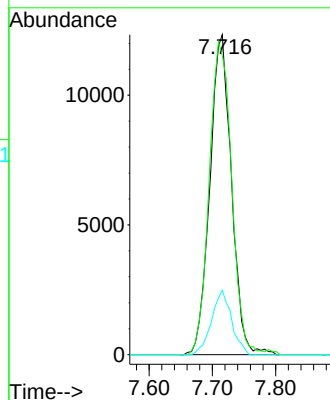
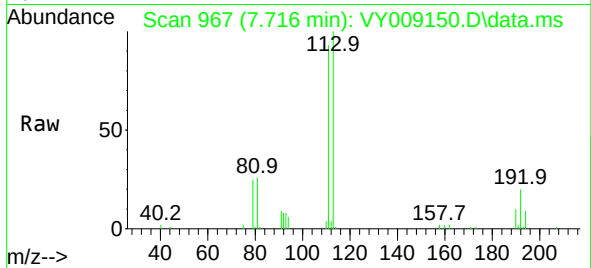




#35
Dibromofluoromethane
Concen: 22.848 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

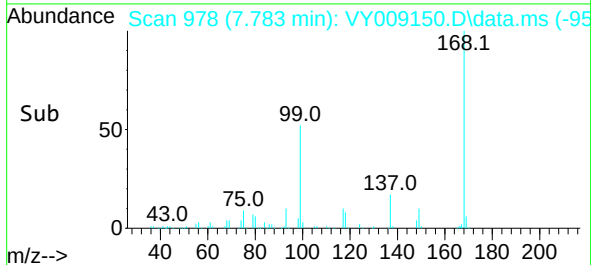
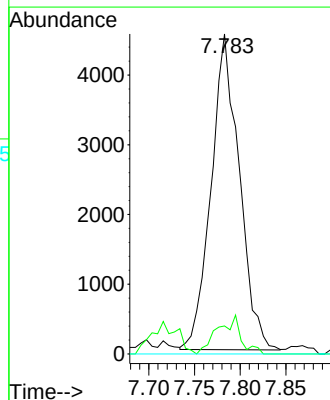
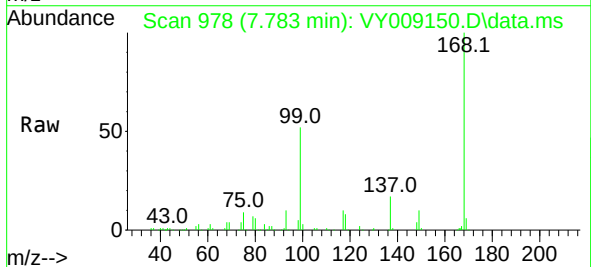
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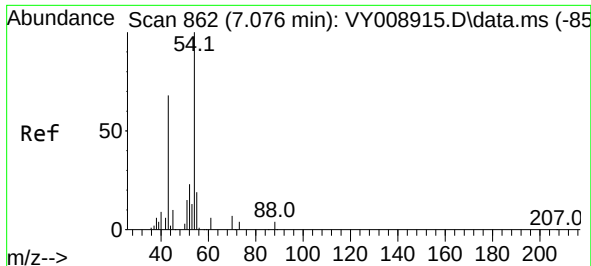
Tgt Ion:113 Resp: 29194
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.470 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Tgt Ion: 75 Resp: 9719
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 18.104 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

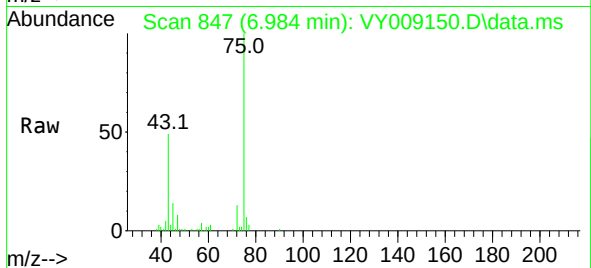
Lab File: VY009150.D

Acq: 06 Jun 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :



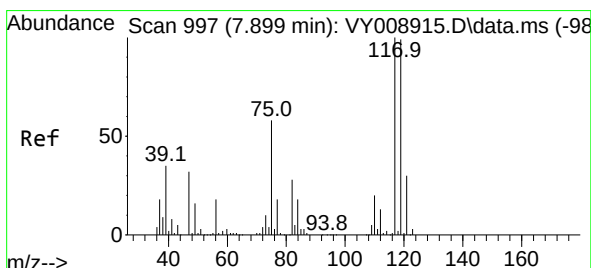
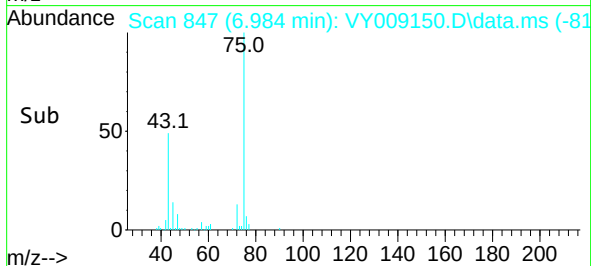
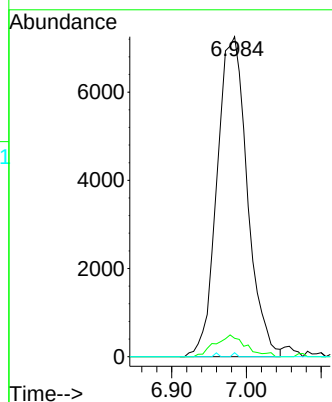
Tgt Ion: 43 Resp: 20420

Ion Ratio Lower Upper

43 100

61 7.0 9.7 14.5#

70 0.2 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.053 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY009150.D

Acq: 06 Jun 2022 16:15

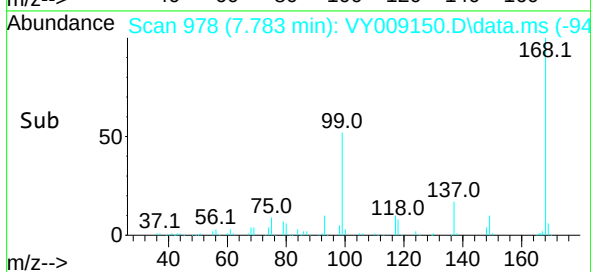
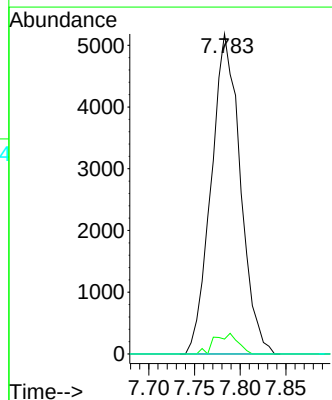
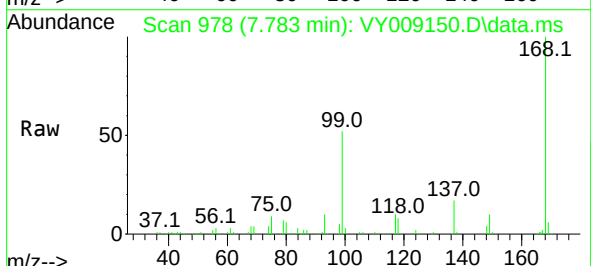
Tgt Ion: 117 Resp: 11494

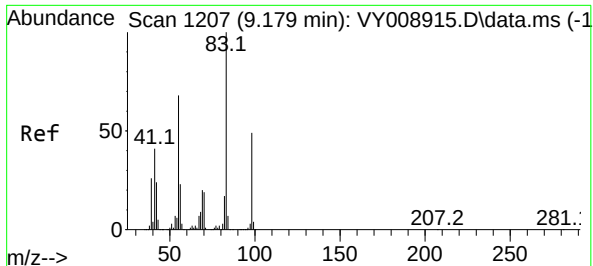
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.488 ug/l

RT: 9.148 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY009150.D

Acq: 06 Jun 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

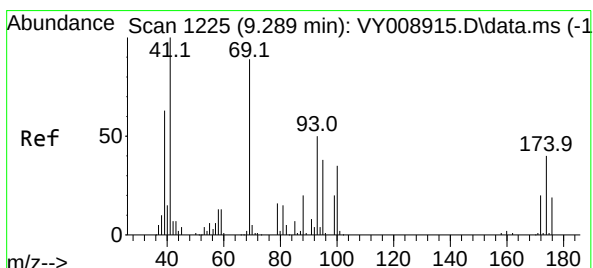
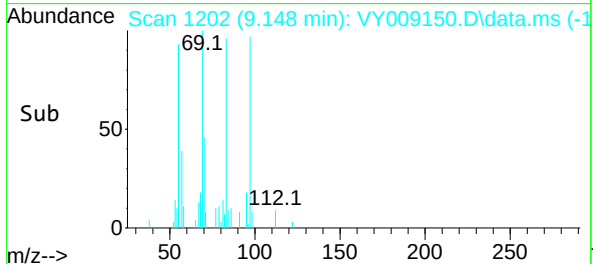
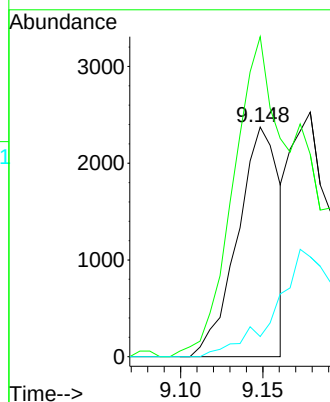
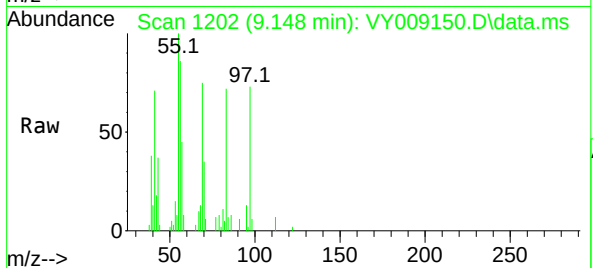
Tgt Ion: 83 Resp: 4177

Ion Ratio Lower Upper

83 100

55 137.0 66.5 99.7#

98 8.8 37.9 56.9#



#48

Methyl methacrylate

Concen: 3.145 ug/l

RT: 9.240 min Scan# 1217

Delta R.T. -0.049 min

Lab File: VY009150.D

Acq: 06 Jun 2022 16:15

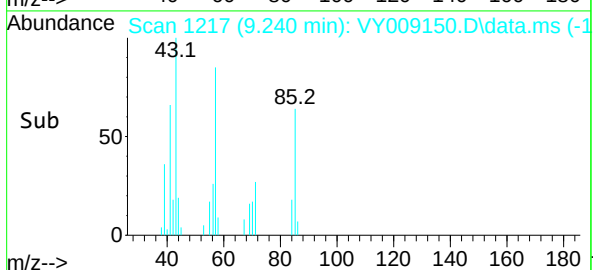
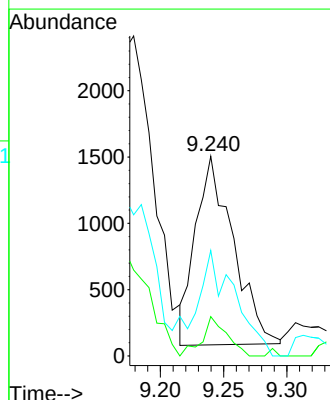
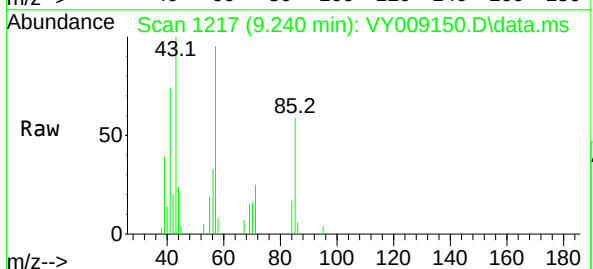
Tgt Ion: 41 Resp: 2945

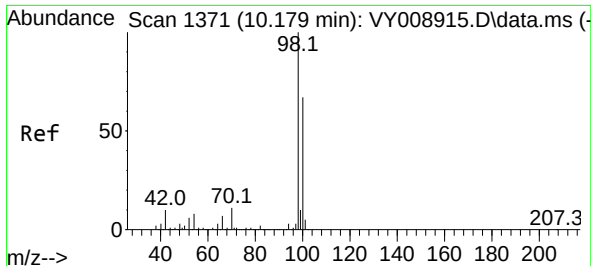
Ion Ratio Lower Upper

41 100

69 13.7 58.2 87.2#

39 51.1 47.4 71.0

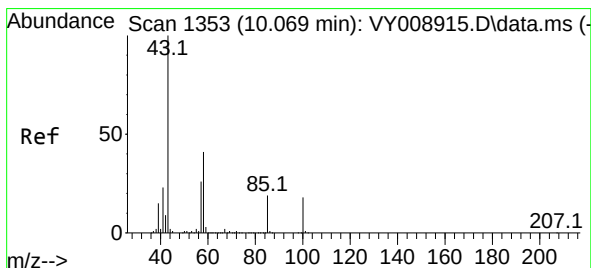
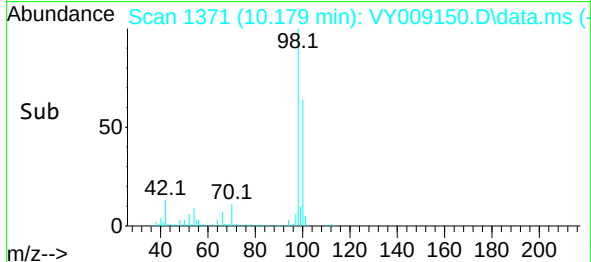
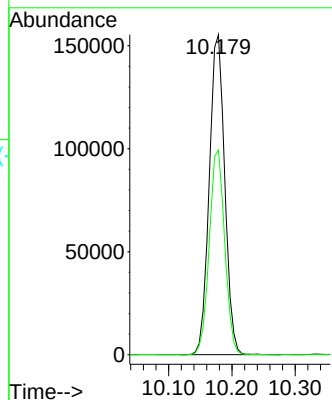
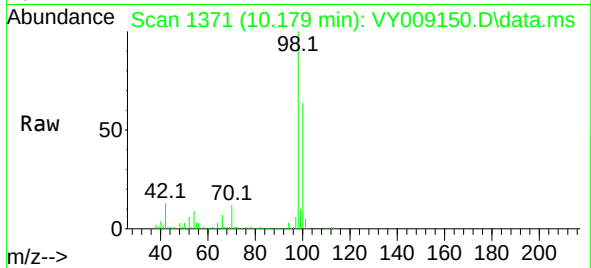




#50
Toluene-d8
Concen: 56.003 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

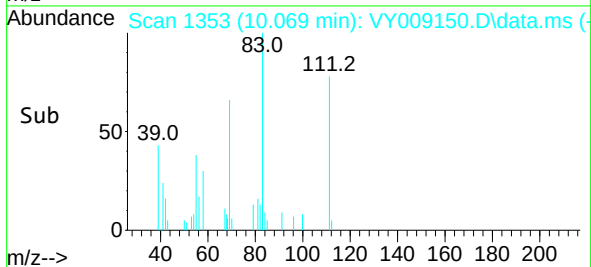
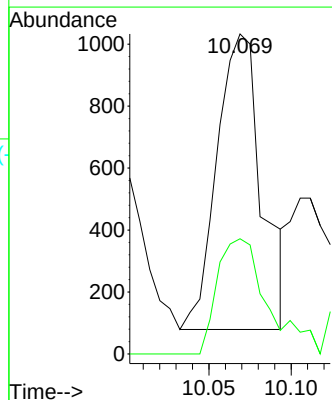
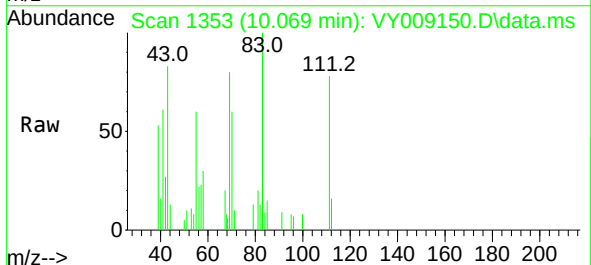
Instrument :
MSVOA_Y
ClientSampleId :

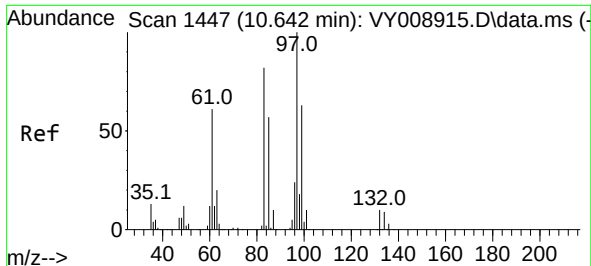
Tgt Ion: 98 Resp: 263983
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.558 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

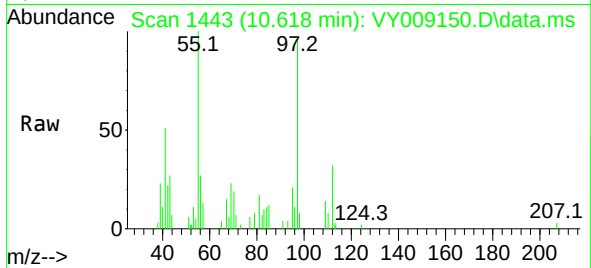
Tgt Ion: 43 Resp: 1808
Ion Ratio Lower Upper
43 100
58 43.6 28.1 42.1#



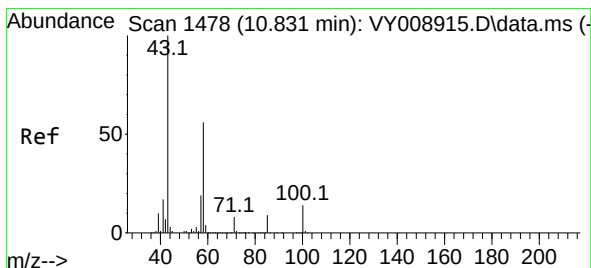
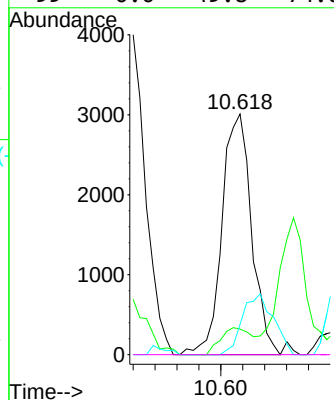
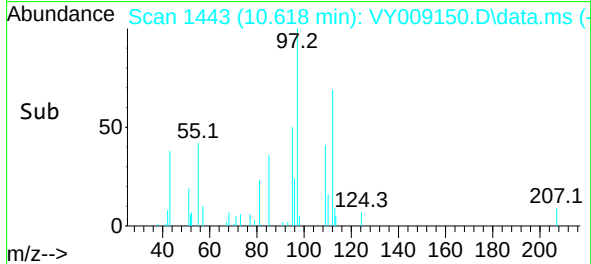


#55
1,1,2-Trichloroethane
Concen: 4.203 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Instrument :
MSVOA_Y
ClientSampleId :

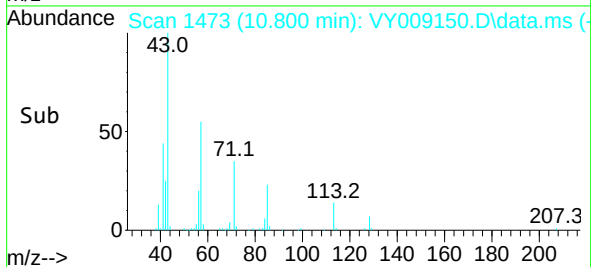
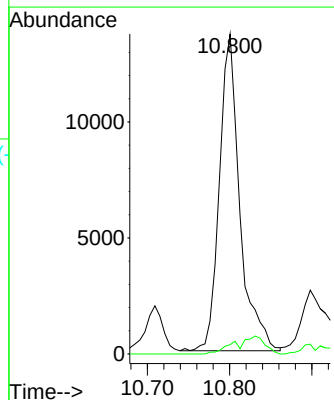
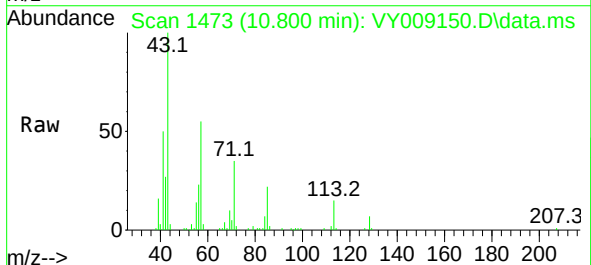


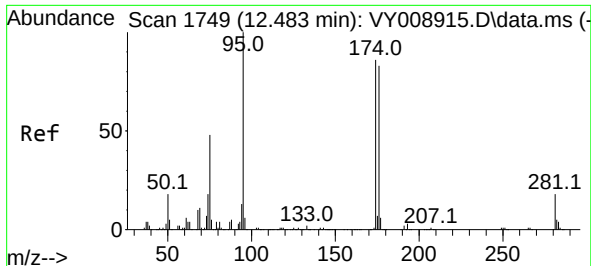
Tgt Ion: 97 Resp: 5629
Ion Ratio Lower Upper
97 100
83 10.7 69.8 104.8#
85 12.6 44.3 66.5#
99 0.0 49.8 74.6#



#59
2-Hexanone
Concen: 29.699 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Tgt Ion: 43 Resp: 23602
Ion Ratio Lower Upper
43 100
58 2.9 24.4 73.4#





#62

4-Bromofluorobenzene

Concen: 43.679 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009150.D

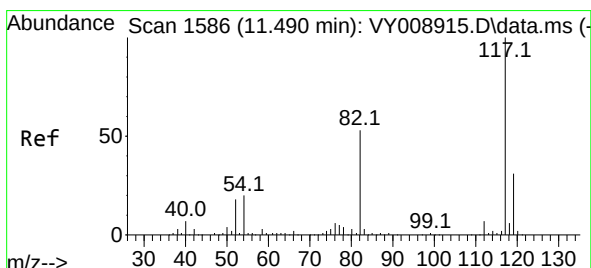
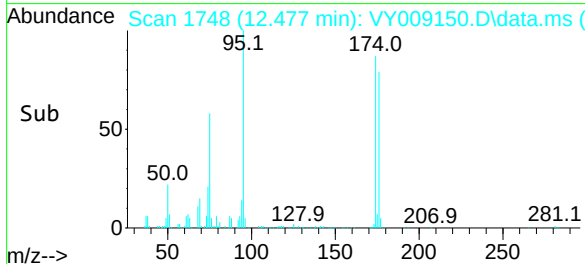
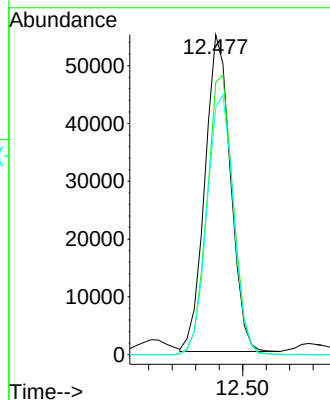
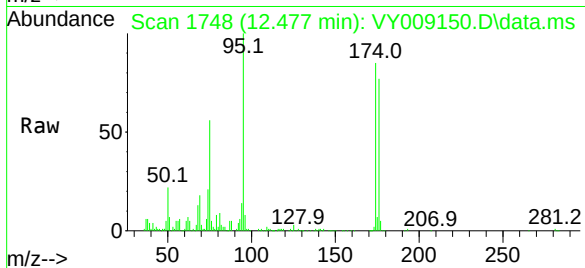
Acq: 06 Jun 2022 16:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp: 83053
Ion Ratio	Lower Upper
95	100
174	90.5 0.0 177.0
176	85.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

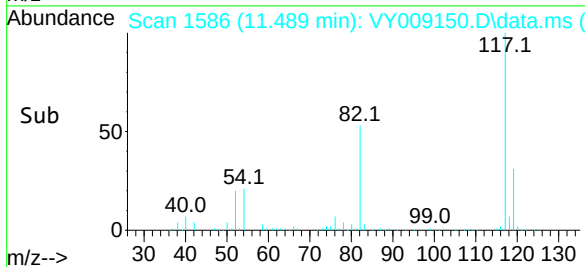
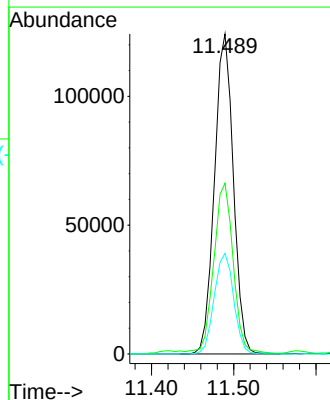
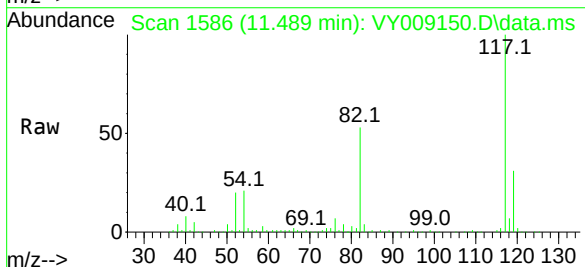
RT: 11.489 min Scan# 1586

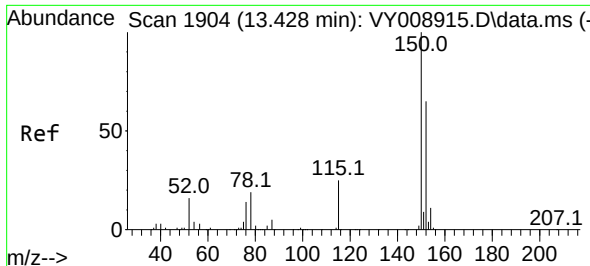
Delta R.T. -0.001 min

Lab File: VY009150.D

Acq: 06 Jun 2022 16:15

Tgt Ion: 117	Resp: 198195
Ion Ratio	Lower Upper
117	100
82	53.1 43.0 64.4
119	31.5 25.4 38.0

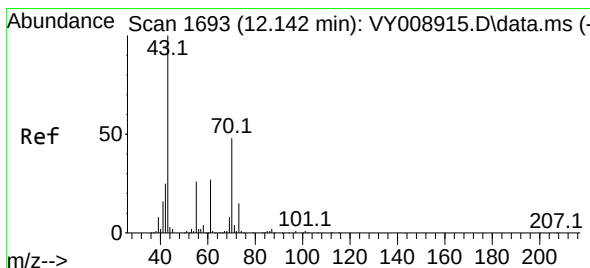
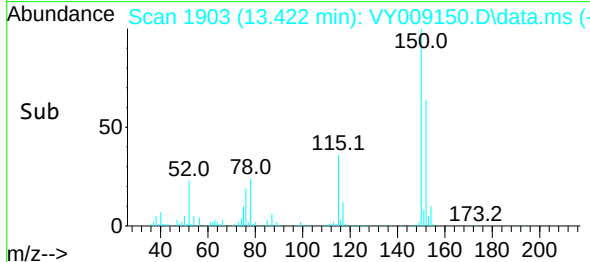
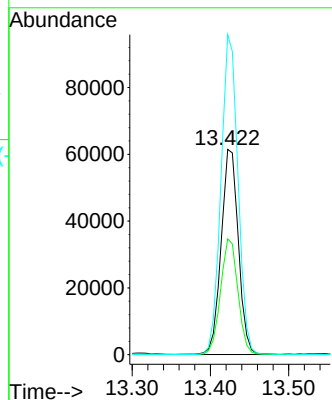
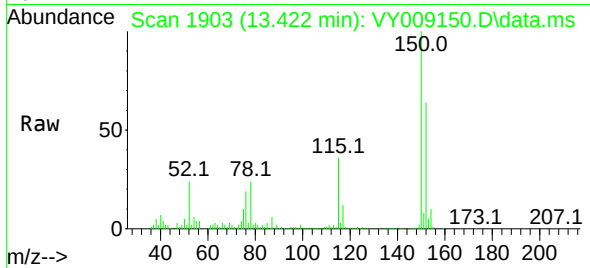




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

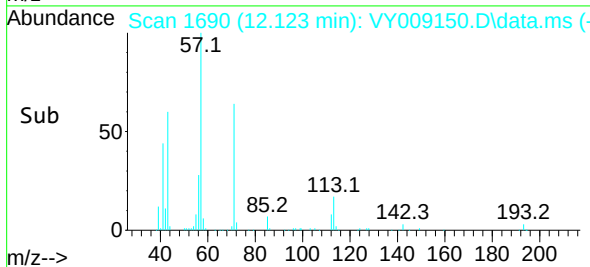
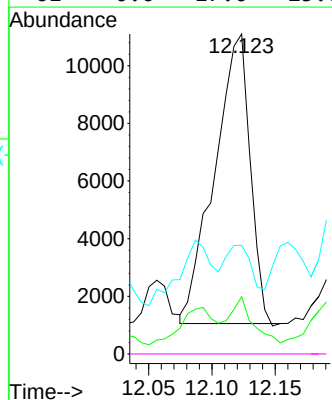
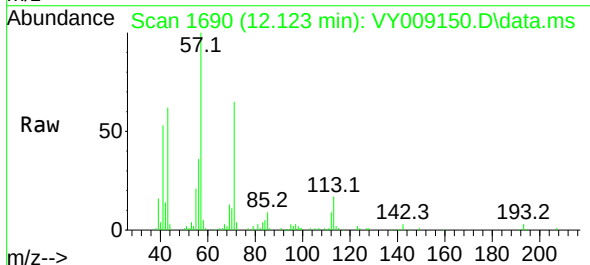
Instrument :
MSVOA_Y
ClientSampleId :

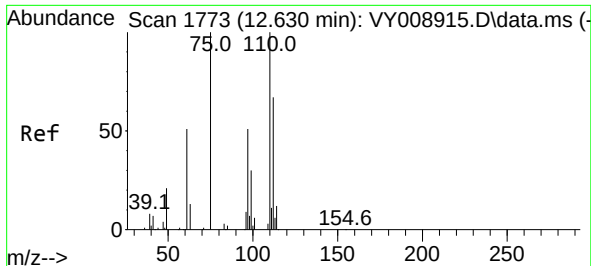
Tgt Ion:152 Resp: 94150
Ion Ratio Lower Upper
152 100
115 57.0 28.2 84.7
150 154.1 0.0 347.6



#74
N-ethyl acetate
Concen: 12.085 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

Tgt Ion: 43 Resp: 19629
Ion Ratio Lower Upper
43 100
70 10.0 28.7 43.1#
55 19.4 17.3 25.9
61 0.0 17.0 25.6#

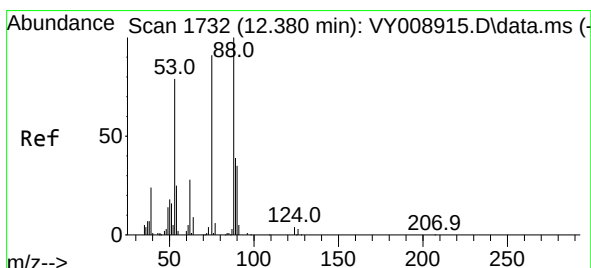
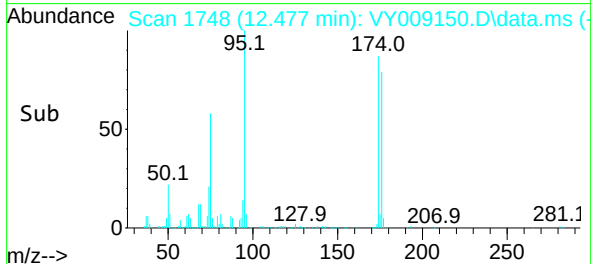
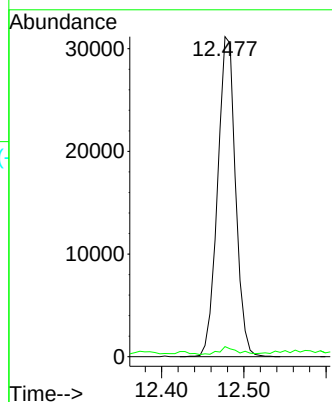
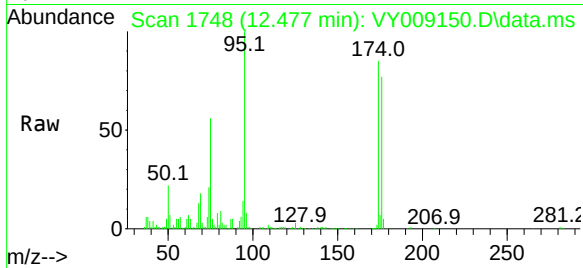




#76
1,2,3-Trichloropropane
Concen: 46.827 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

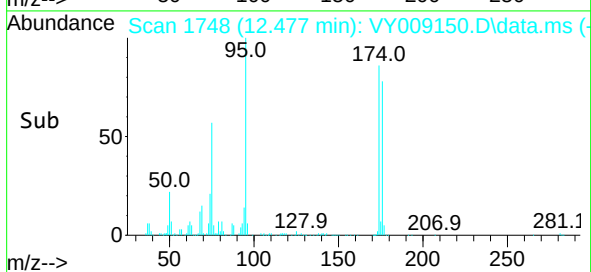
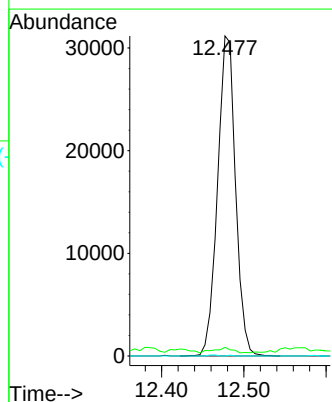
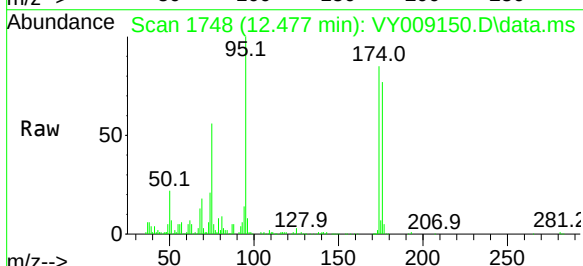
Instrument :
MSVOA_Y
ClientSampleId :

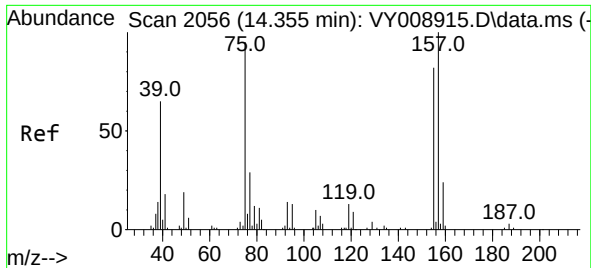
Tgt Ion: 75 Resp: 47345
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.113 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009150.D
Acq: 06 Jun 2022 16:15

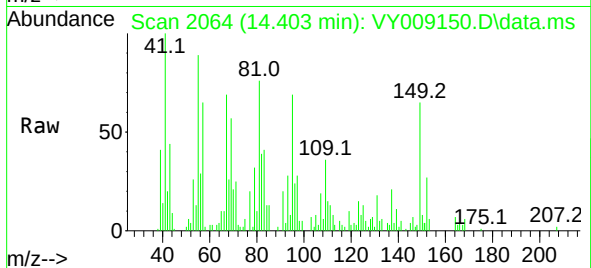
Tgt Ion: 75 Resp: 47345
Ion Ratio Lower Upper
75 100
53 1.6 85.3 127.9#
89 0.1 37.0 55.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.785 ug/l
 RT: 14.403 min Scan# 20
 Delta R.T. 0.048 min
 Lab File: VY009150.D
 Acq: 06 Jun 2022 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 402
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.0 113.9#
 157 0.0 47.8 143.3#

