

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060622\
 Data File : VY009151.D
 Acq On : 06 Jun 2022 16:38
 Operator : KP/MD
 Sample : N3189-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 02:32:58 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)

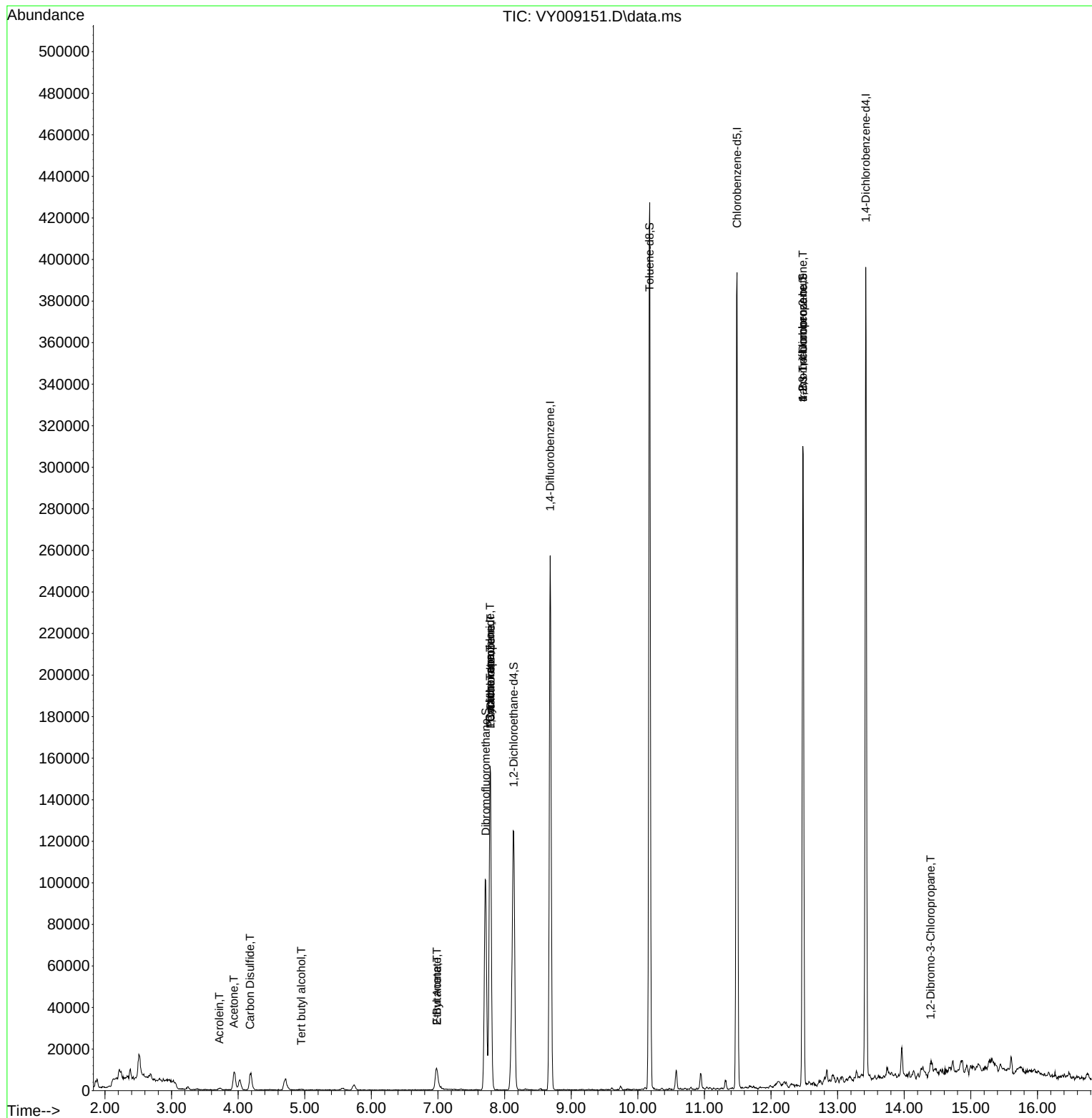
Internal Standards						
1) Pentafluorobenzene	7.789	168	120132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	214924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	208788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81908	66.248	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.500%			
35) Dibromofluoromethane	7.716	113	68785	51.467	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.179	98	271250	55.015	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.020%			
62) 4-Bromofluorobenzene	12.477	95	82411	41.435	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.880%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	562	4.481	ug/l #	77
13) Acrolein	3.716	56	1076	26.066	ug/l #	53
16) Acetone	3.936	43	15198	59.053	ug/l	94
17) Carbon Disulfide	4.180	76	13855	3.753	ug/l	96
20) Methylene Chloride	4.716	84	3918	Below Cal	#	73
25) 2-Butanone	6.984	43	5300	11.530	ug/l	98
31) Cyclohexane	7.783	56	2835	1.172	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	10401	4.573	ug/l #	52
37) Ethyl Acetate	6.984	43	5300	4.492	ug/l #	72
38) Carbon Tetrachloride	7.783	117	11768	4.946	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	47259	47.508	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47259	97.509	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.397	75	1355	6.117	ug/l #	6

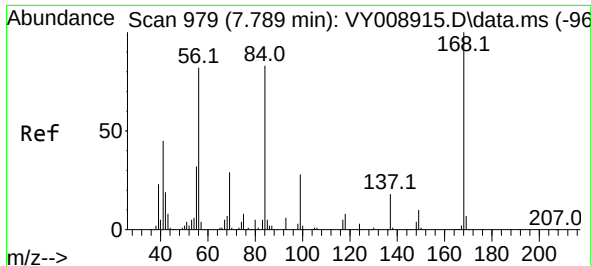
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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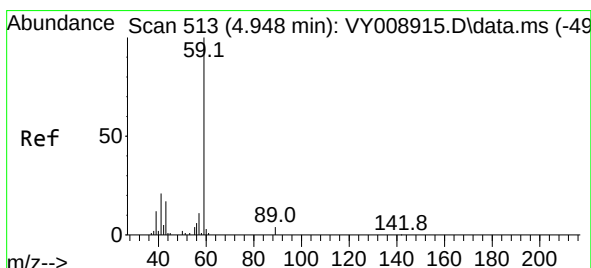
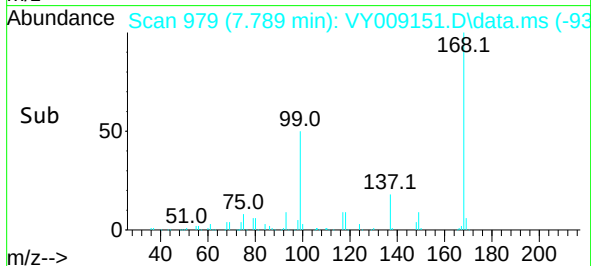
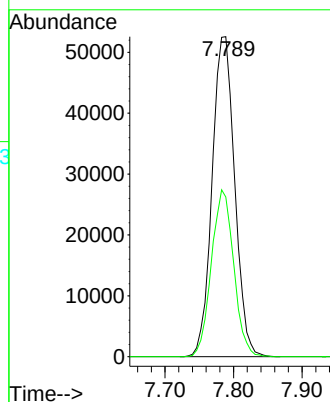
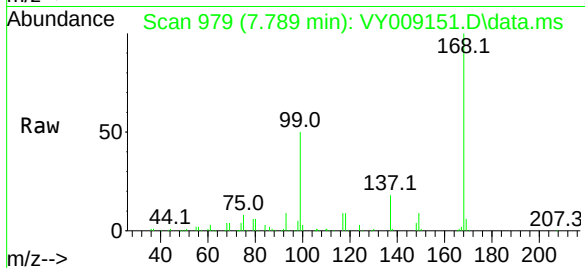




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

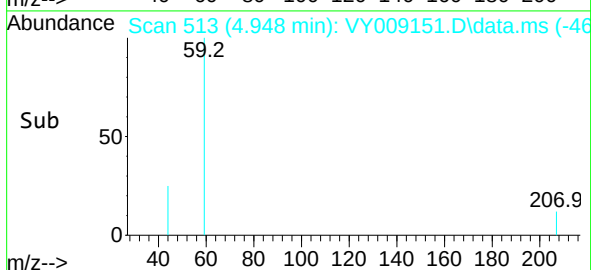
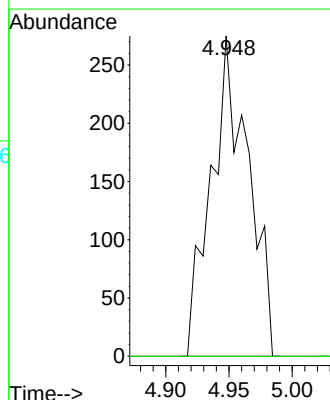
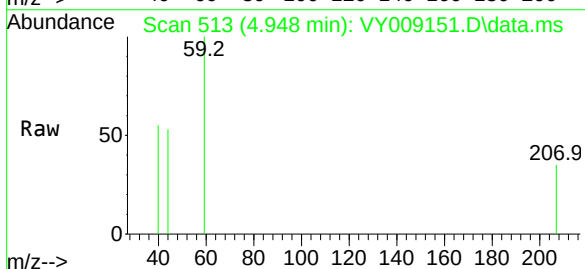
Instrument :
MSVOA_Y
ClientSampleId :

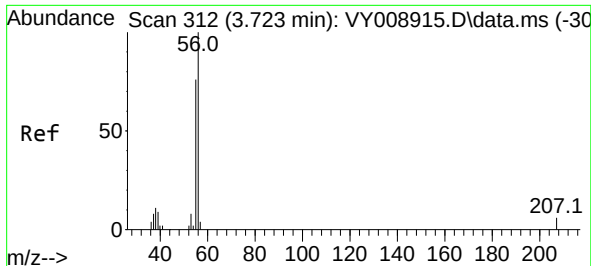
Tgt Ion:168 Resp: 120132
Ion Ratio Lower Upper
168 100
99 49.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 4.481 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

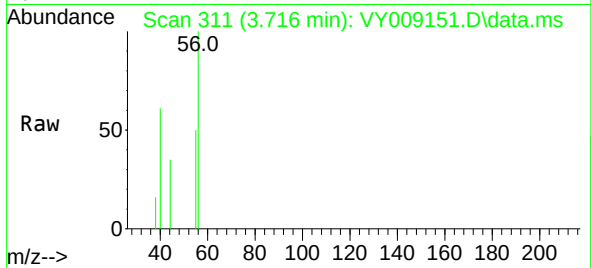
Tgt Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



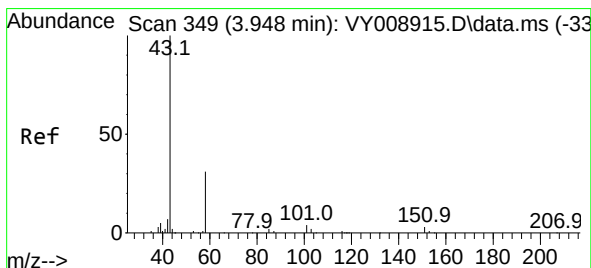
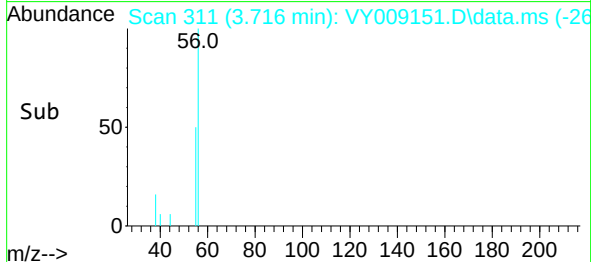
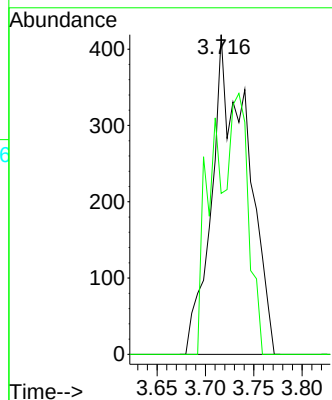


#13
Acrolein
Concen: 26.066 ug/l
RT: 3.716 min Scan# 311
Delta R.T. -0.007 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

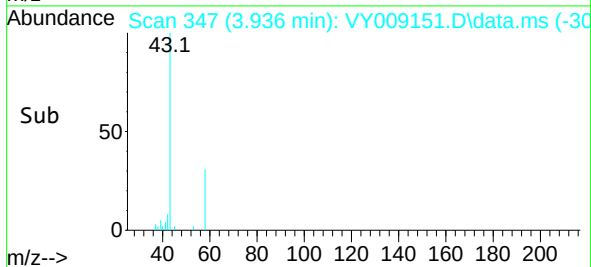
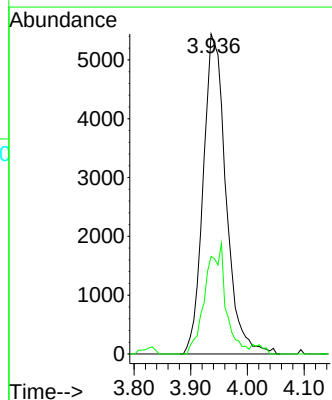
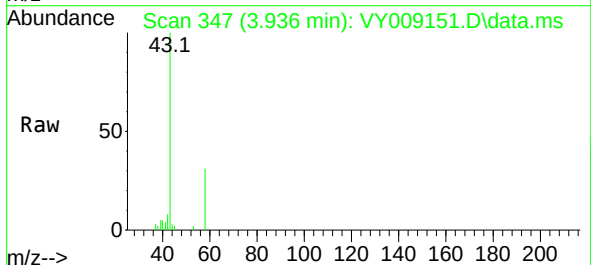


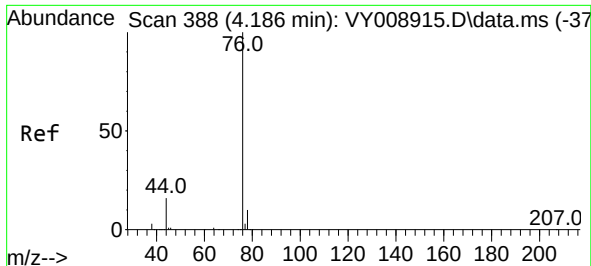
Tgt Ion: 56 Resp: 1076
Ion Ratio Lower Upper
56 100
55 32.7 57.6 86.4#



#16
Acetone
Concen: 59.053 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

Tgt Ion: 43 Resp: 15198
Ion Ratio Lower Upper
43 100
58 30.5 22.0 33.0

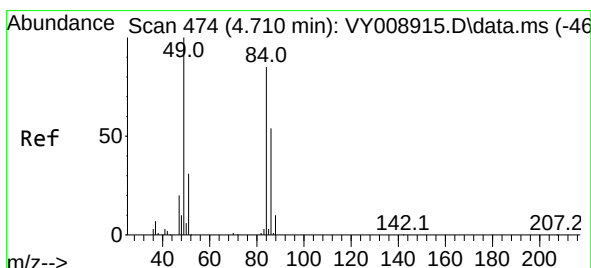
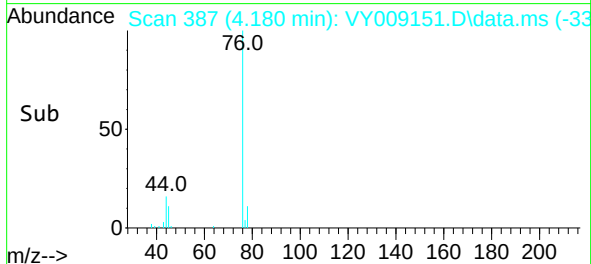
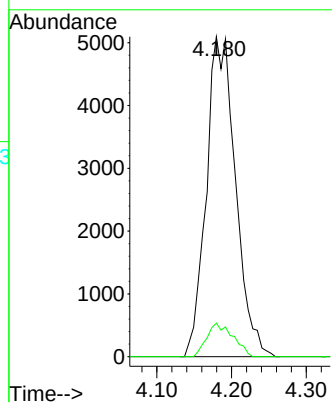
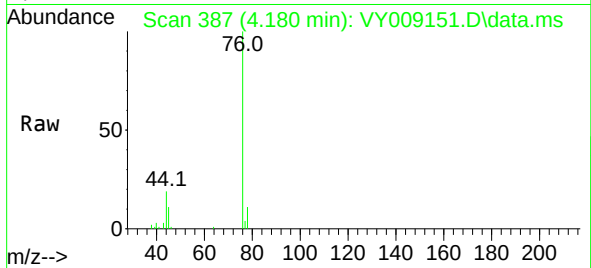




#17
Carbon Disulfide
Concen: 3.753 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

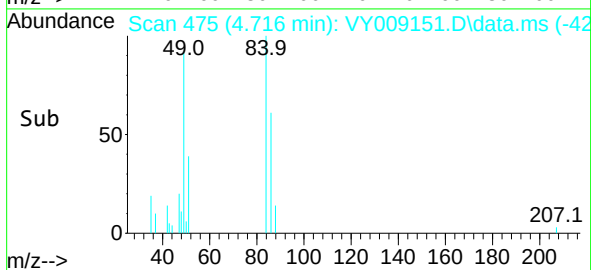
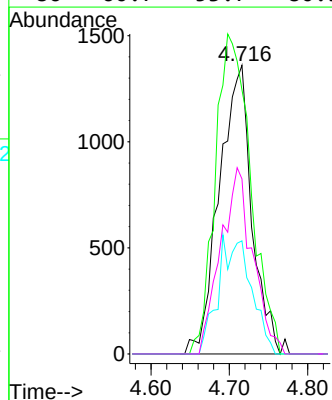
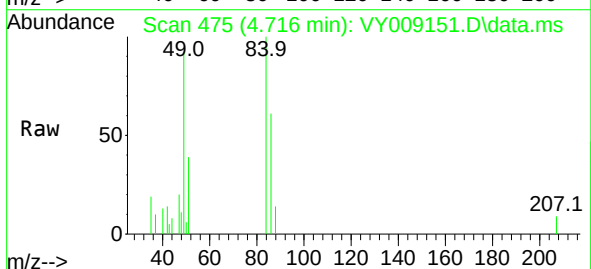
Instrument :
MSVOA_Y
ClientSampleId :

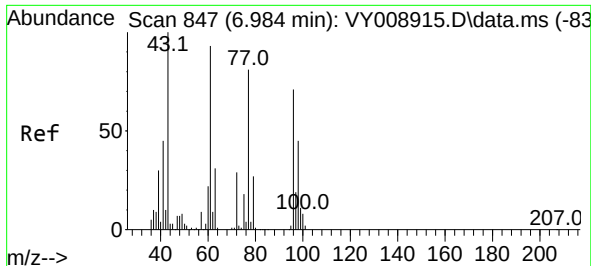
Tgt Ion: 76 Resp: 13855
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

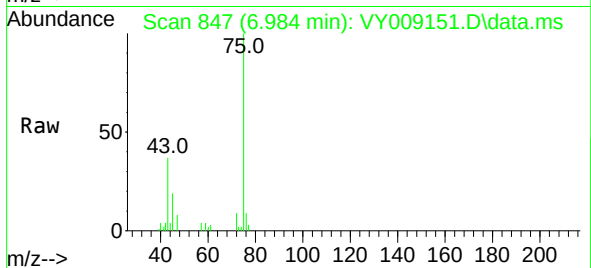
Tgt Ion: 84 Resp: 3918
Ion Ratio Lower Upper
84 100
49 91.5 114.4 171.6#
51 39.2 35.3 52.9
86 60.7 53.7 80.5



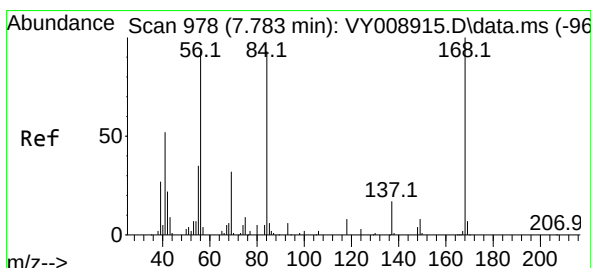
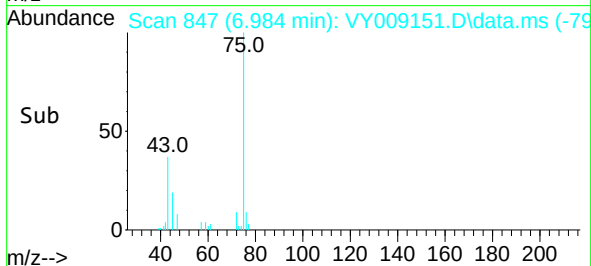
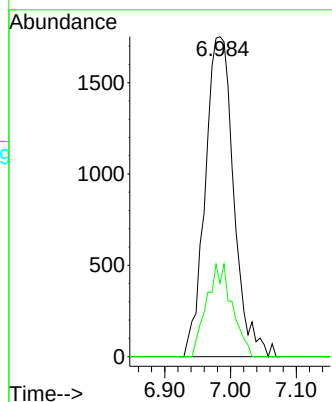


#25
2-Butanone
Concen: 11.530 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

Instrument :
MSVOA_Y
ClientSampleId :

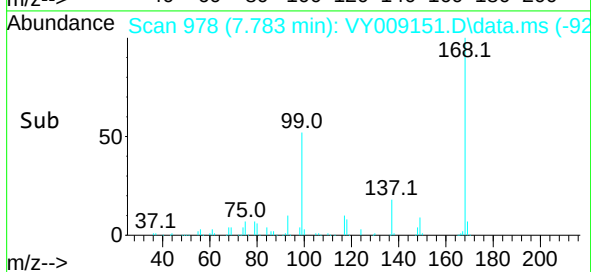
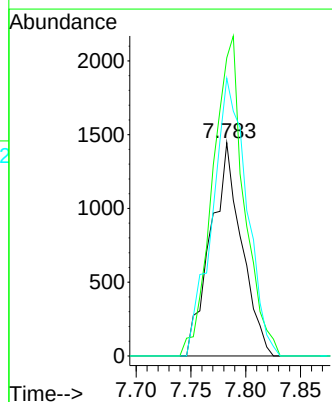
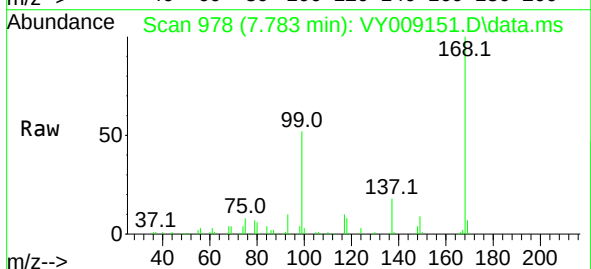


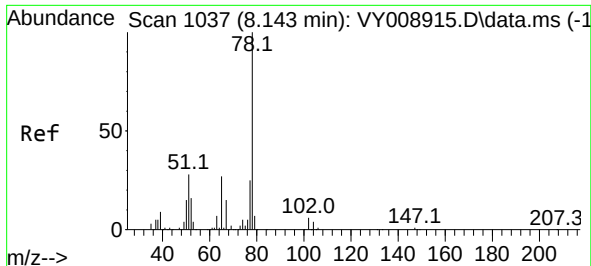
Tgt Ion: 43 Resp: 5300
Ion Ratio Lower Upper
43 100
72 23.0 17.7 26.5



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

Tgt Ion: 56 Resp: 2835
Ion Ratio Lower Upper
56 100
69 139.8 26.7 40.1#
84 130.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 66.248 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009151.D

Acq: 06 Jun 2022 16:38

Instrument :

MSVOA_Y

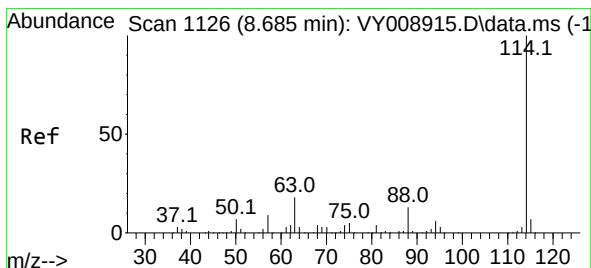
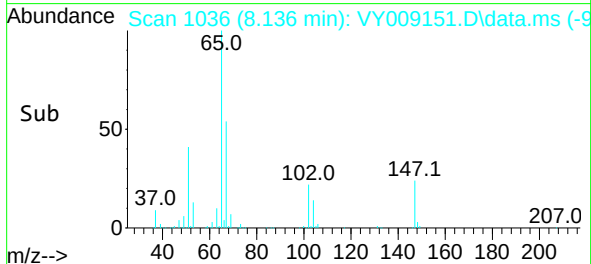
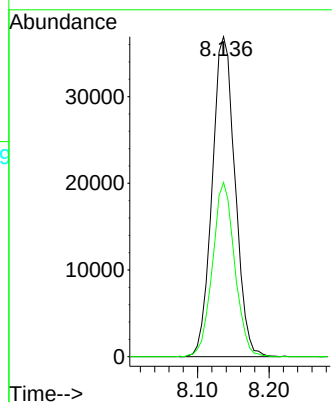
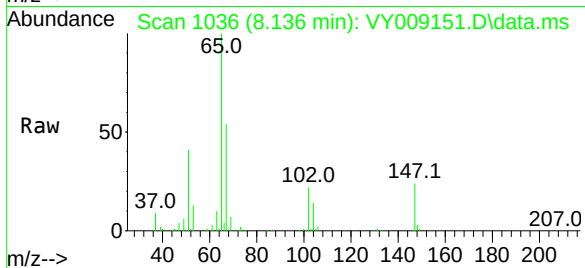
ClientSampleId :

Tgt Ion: 65 Resp: 81908

Ion Ratio Lower Upper

65 100

67 52.8 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: VY009151.D

Acq: 06 Jun 2022 16:38

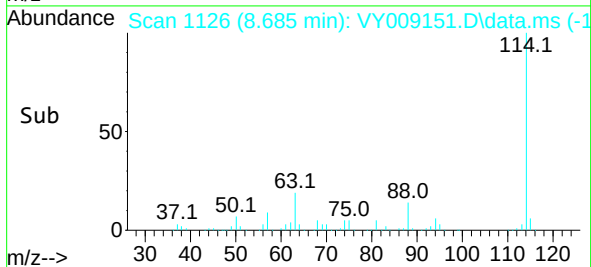
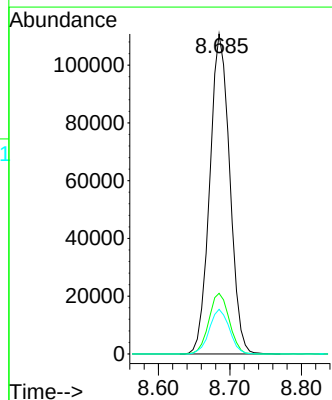
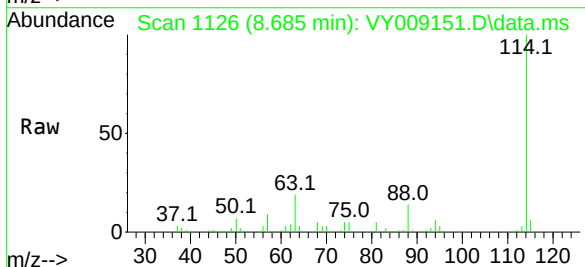
Tgt Ion: 114 Resp: 214924

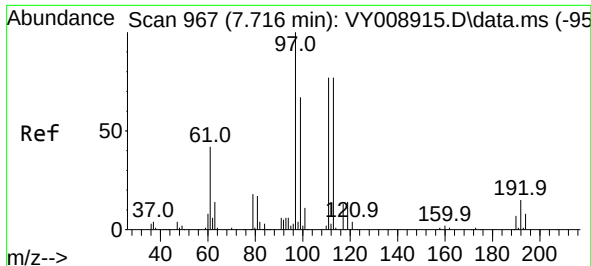
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

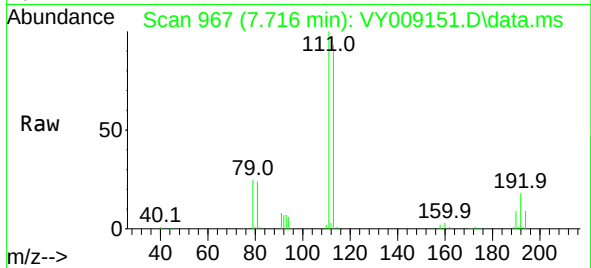
88 14.0 0.0 31.8



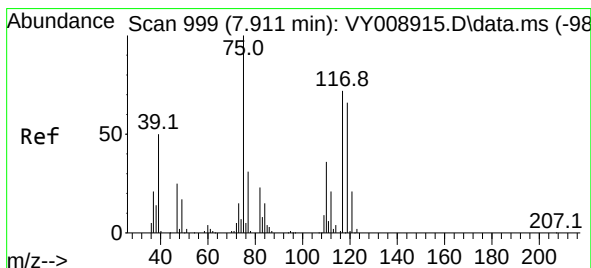
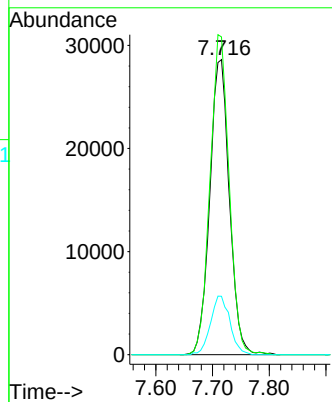
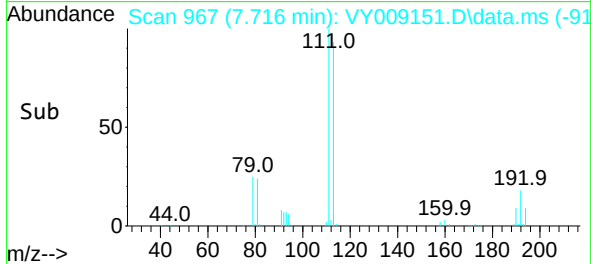


#35
Dibromofluoromethane
Concen: 51.467 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

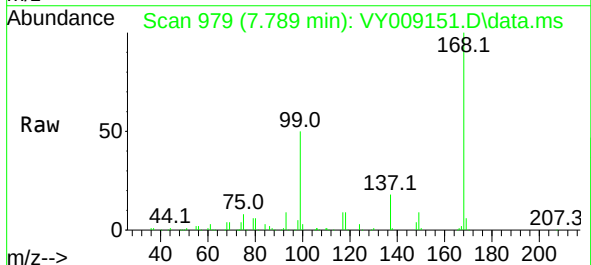
Instrument :
MSVOA_Y
ClientSampleId :



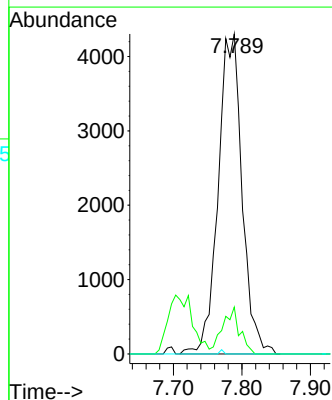
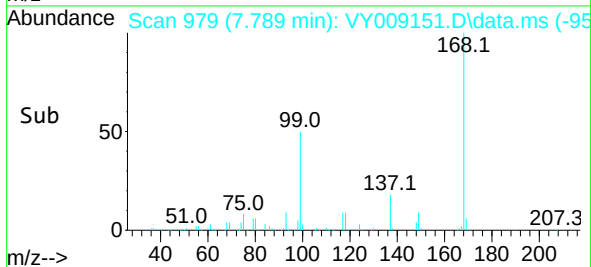
Tgt Ion:113 Resp: 68785
Ion Ratio Lower Upper
113 100
111 105.5 82.6 124.0
192 19.7 17.6 26.4

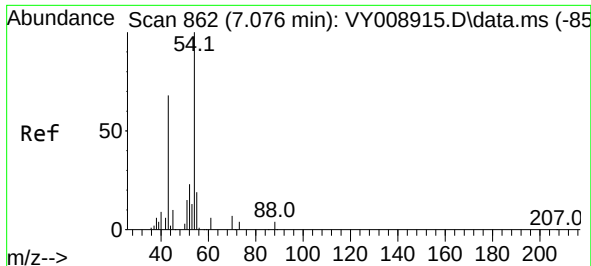


#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38



Tgt Ion: 75 Resp: 10401
Ion Ratio Lower Upper
75 100
110 10.6 17.1 51.2#
77 0.2 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.492 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

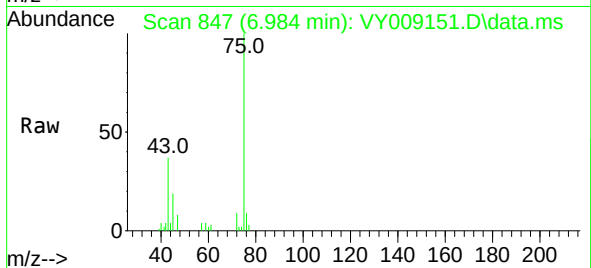
Lab File: VY009151.D

Acq: 06 Jun 2022 16:38

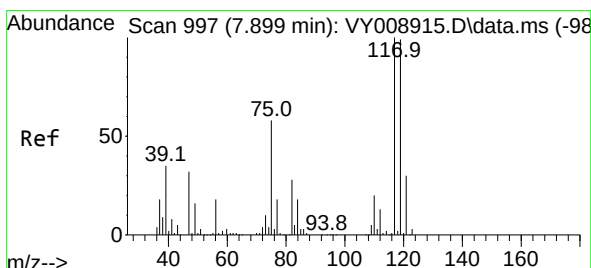
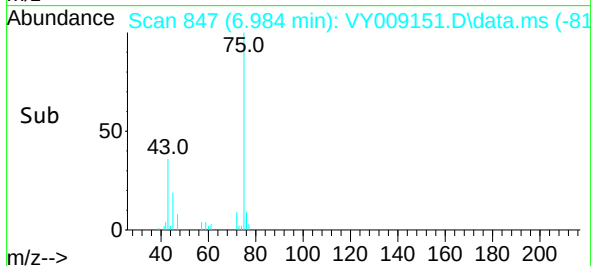
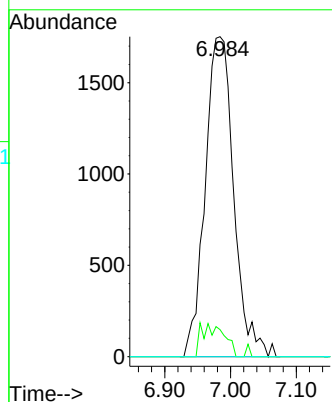
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	5300
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 4.946 ug/l

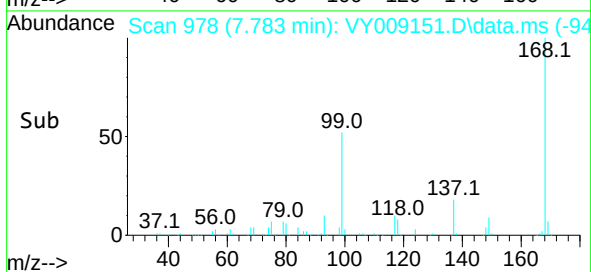
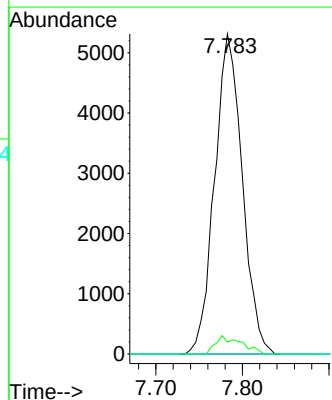
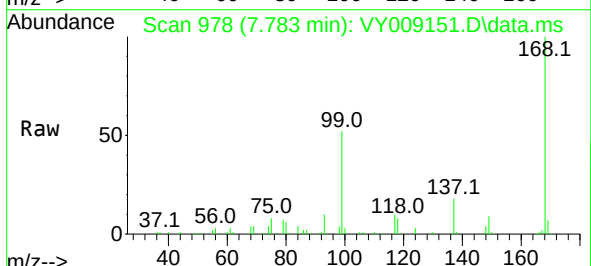
RT: 7.783 min Scan# 978

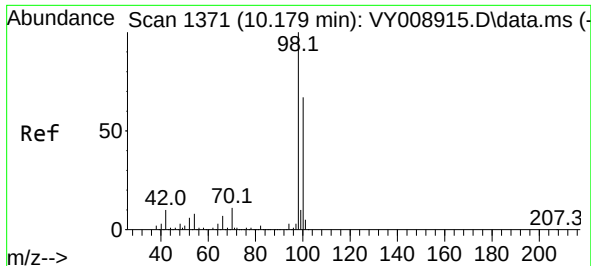
Delta R.T. -0.116 min

Lab File: VY009151.D

Acq: 06 Jun 2022 16:38

Tgt Ion:	117	Resp:	11768
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.9	116.9#
121	0.0	24.8	37.2#

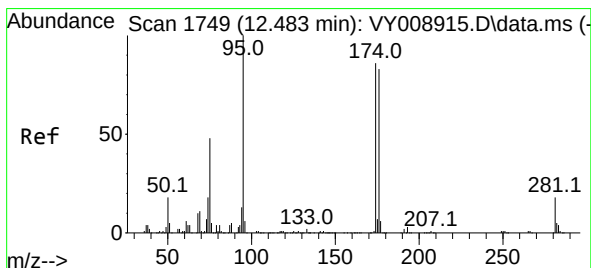
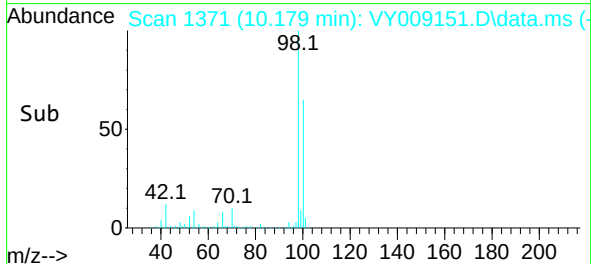
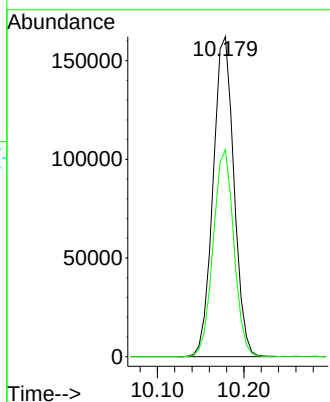
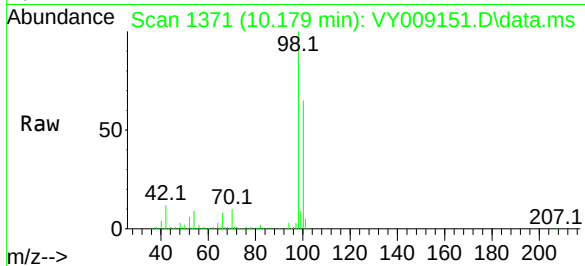




#50
Toluene-d8
Concen: 55.015 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

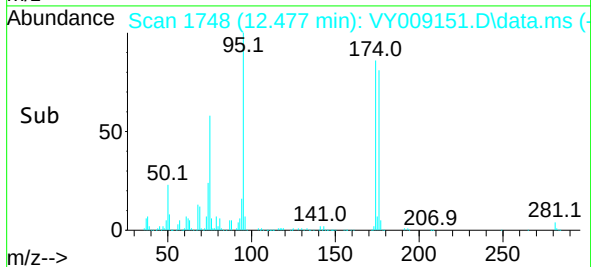
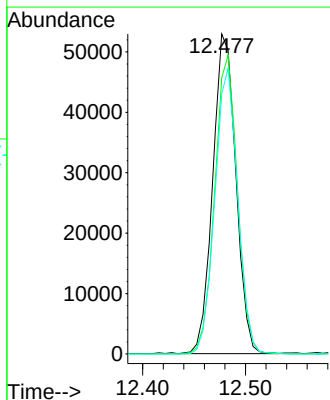
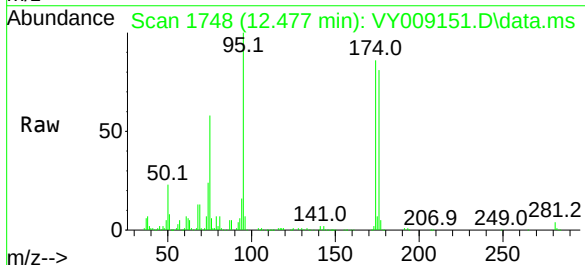
Instrument :
MSVOA_Y
ClientSampleId :

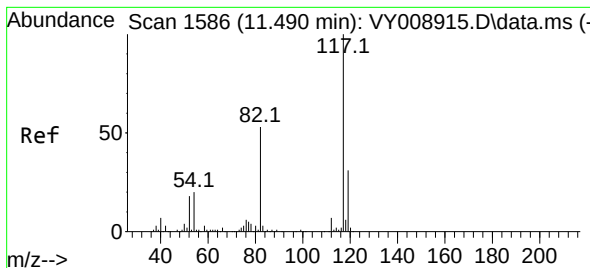
Tgt Ion: 98 Resp: 271250
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 41.435 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

Tgt Ion: 95 Resp: 82411
Ion Ratio Lower Upper
95 100
174 92.4 0.0 177.0
176 88.4 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY009151.D

Acq: 06 Jun 2022 16:38

Instrument :

MSVOA_Y

ClientSampleId :

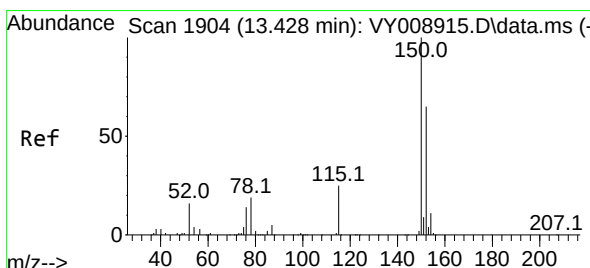
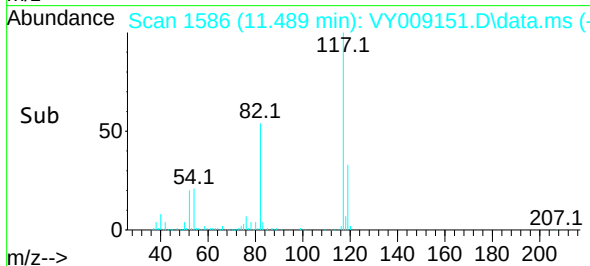
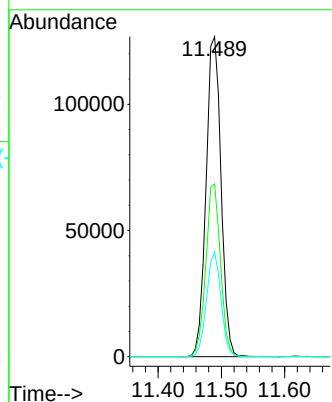
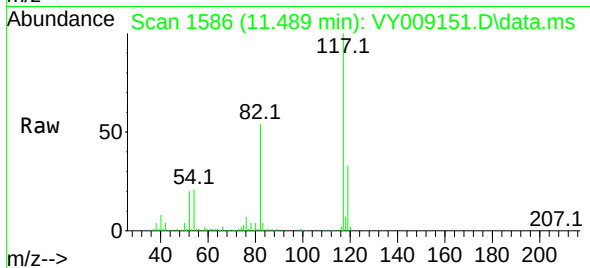
Tgt Ion:117 Resp: 208788

Ion Ratio Lower Upper

117 100

82 54.0 43.0 64.4

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY009151.D

Acq: 06 Jun 2022 16:38

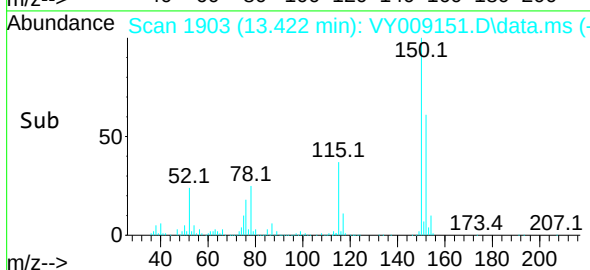
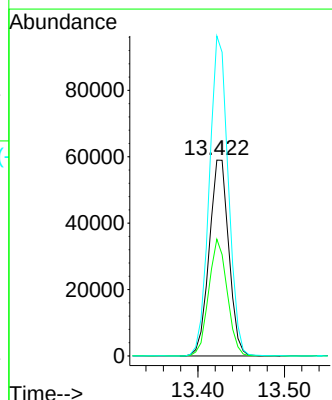
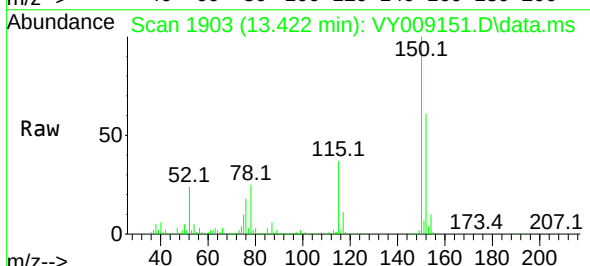
Tgt Ion:152 Resp: 92633

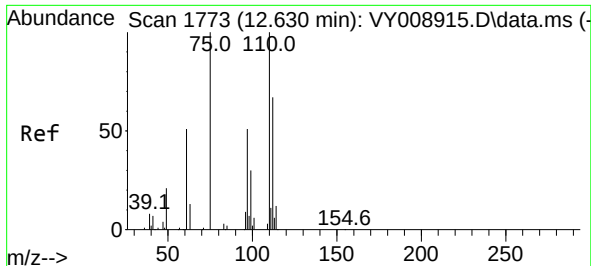
Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

150 158.1 0.0 347.6

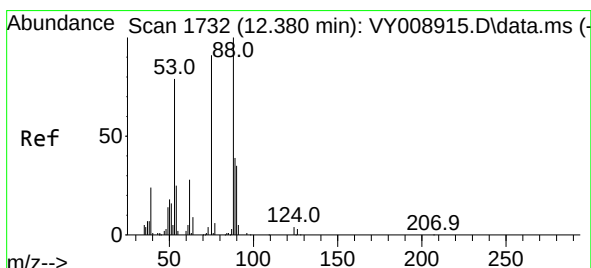
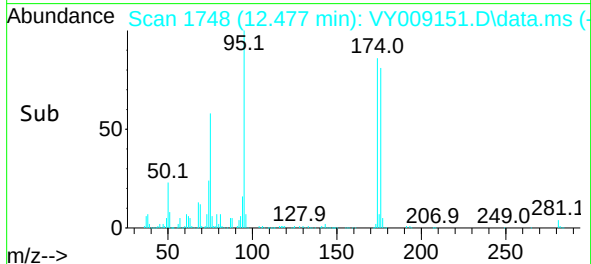
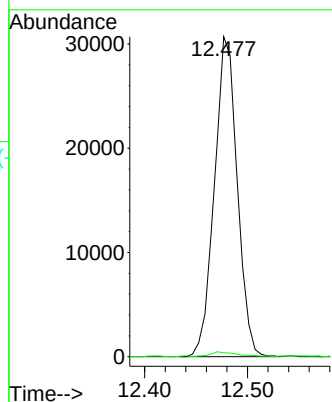
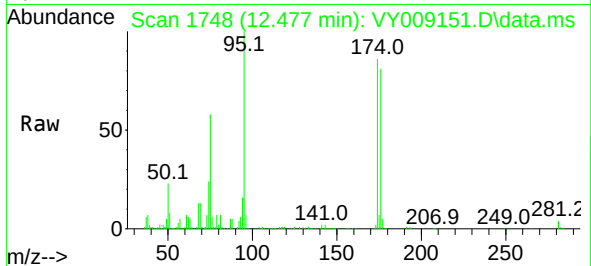




#76
1,2,3-Trichloropropane
Concen: 47.508 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

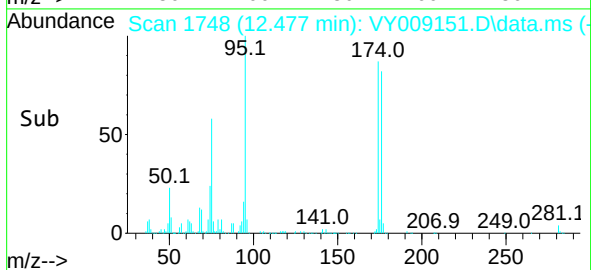
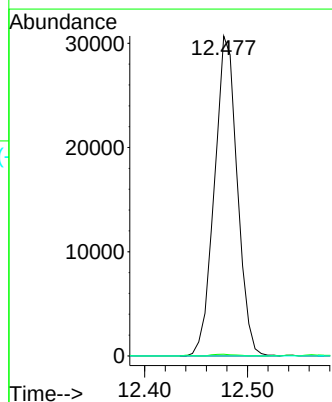
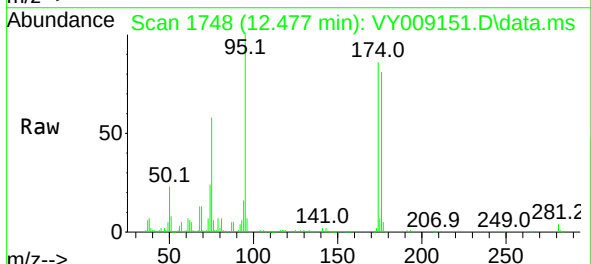
Instrument :
MSVOA_Y
ClientSampleId :

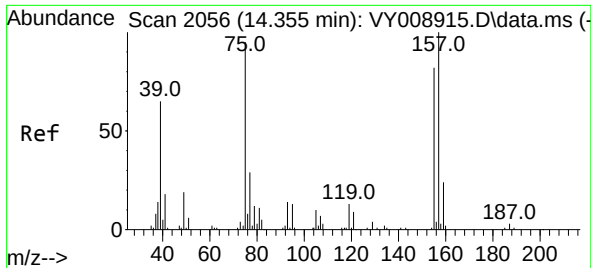
Tgt Ion: 75 Resp: 47259
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.509 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY009151.D
Acq: 06 Jun 2022 16:38

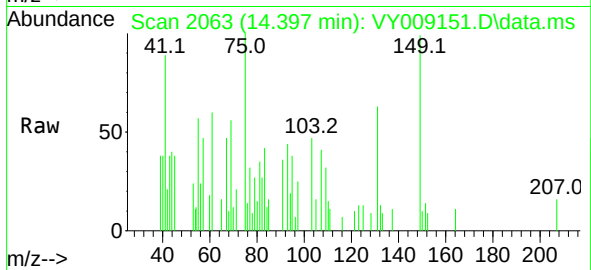
Tgt Ion: 75 Resp: 47259
Ion Ratio Lower Upper
75 100
53 0.6 85.3 127.9#
89 0.0 37.0 55.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.117 ug/l
 RT: 14.397 min Scan# 2056
 Delta R.T. 0.042 min
 Lab File: VY009151.D
 Acq: 06 Jun 2022 16:38

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 1355
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.0 113.9#
 157 0.0 47.8 143.3#

