

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007163.D
 Acq On : 14 Jan 2022 13:00
 Operator : SY/MD
 Sample : N1119-03
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

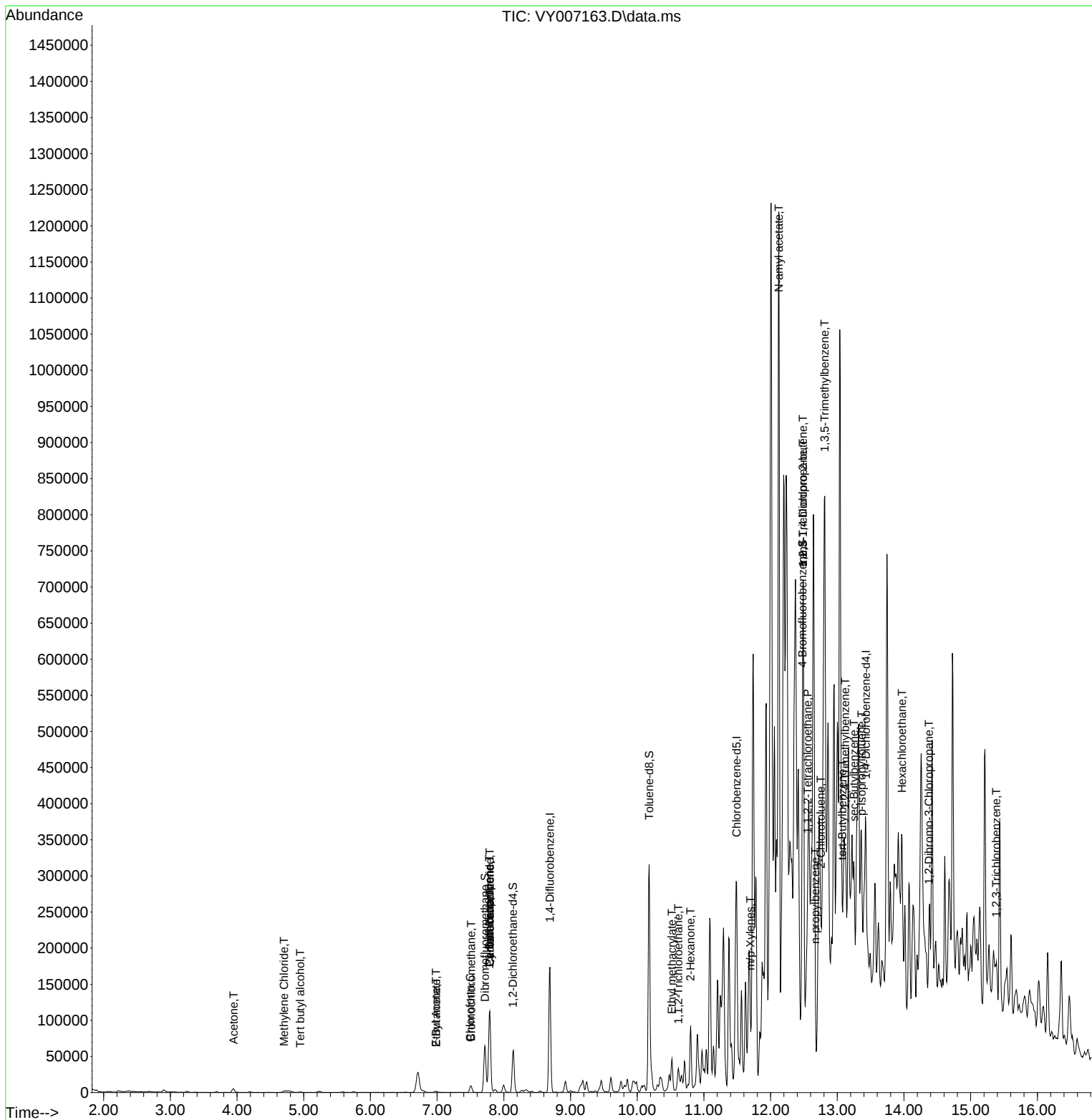
Quant Time: Jan 14 13:47:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

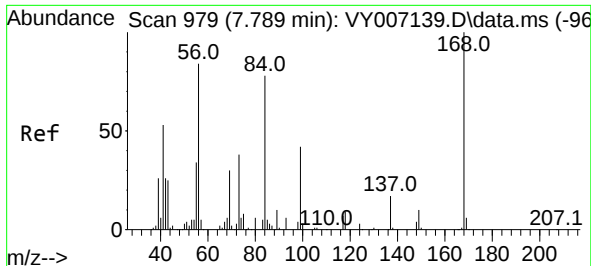
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	81308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	126340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57940	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46537	46.646	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.300%		
35) Dibromofluoromethane	7.716	113	45667	46.688	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.380%		
50) Toluene-d8	10.179	98	175754	49.175	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.477	95	78458	61.713	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.420%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	1294	10.603	ug/l #	77
13) Acrolein	3.735	56	59	Below Cal	#	15
16) Acetone	3.948	43	9161	35.382	ug/l	99
20) Methylene Chloride	4.704	84	1201	1.122	ug/l #	79
25) 2-Butanone	6.984	43	1294	3.866	ug/l	94
28) Bromochloromethane	7.508	49	746	1.134	ug/l #	11
30) Chloroform	7.496	83	8943	4.734	ug/l	88
31) Cyclohexane	7.789	56	3103	1.840	ug/l #	25
36) 1,1-Dichloropropene	7.783	75	7034	4.503	ug/l #	50
37) Ethyl Acetate	6.984	43	1294	1.614	ug/l #	67
38) Carbon Tetrachloride	7.789	117	8879	5.404	ug/l #	16
55) 1,1,2-Trichloroethane	10.618	97	10094	11.875	ug/l #	22
56) Ethyl methacrylate	10.520	69	4177	3.488	ug/l #	1
59) 2-Hexanone	10.800	43	34397	64.077	ug/l #	27
68) m/p-Xylenes	11.697	106	2840	1.472	ug/l #	60
74) N-amyl acetate	12.123	43	235485	175.971	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.556	83	14267	14.661	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	33995	51.455	ug/l #	100
78) n-propylbenzene	12.672	91	22565	3.637	ug/l	94
79) 2-Chlorotoluene	12.751	91	5371	1.557	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.812	105	12054	2.934	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	33995	94.201	ug/l #	22
83) tert-Butylbenzene	13.074	119	3609	1.016	ug/l	87
84) 1,2,4-Trimethylbenzene	13.117	105	36614	8.990	ug/l	99
85) sec-Butylbenzene	13.251	105	12223	2.301	ug/l #	44
86) p-Isopropyltoluene	13.367	119	10854	2.487	ug/l	94
90) Hexachloroethane	13.971	117	3870	4.535	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.373	75	263	1.565	ug/l #	3
96) 1,2,3-Trichlorobenzene	15.385	180	1182	1.201	ug/l #	1

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

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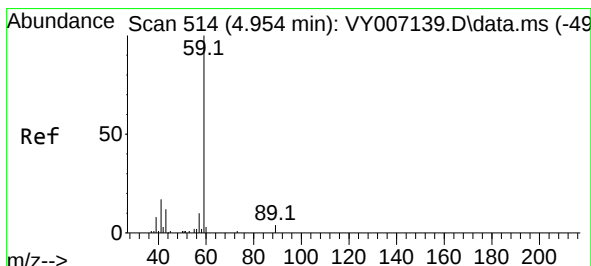
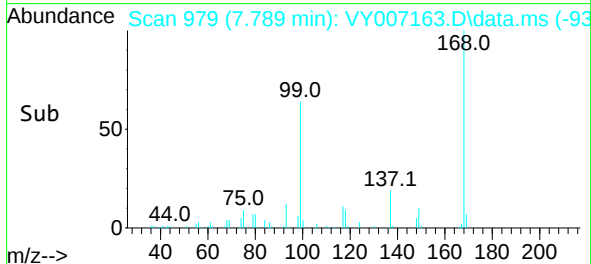
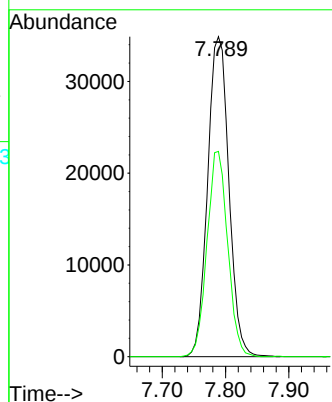
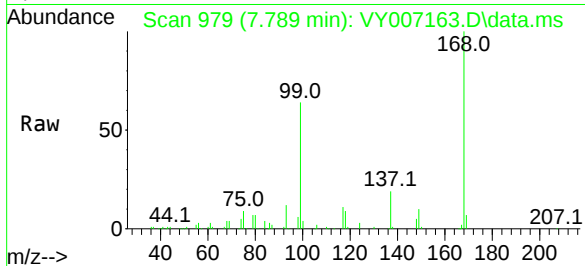




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

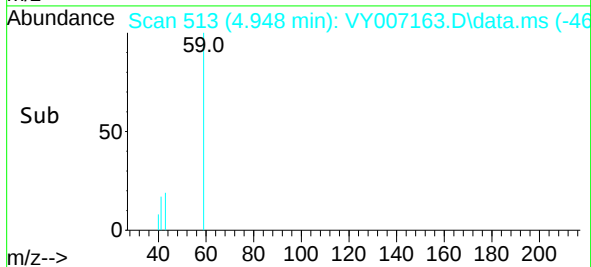
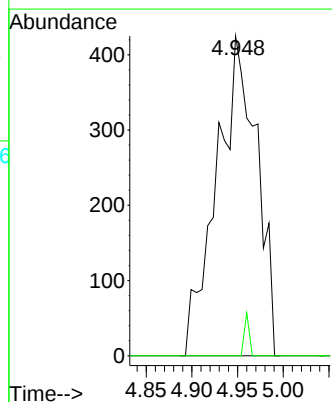
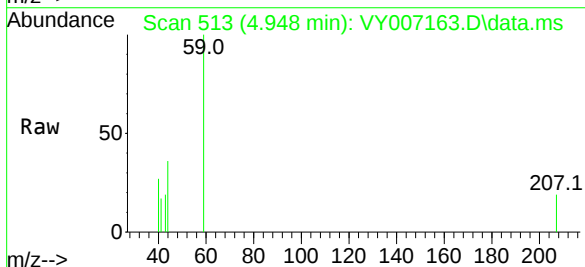
Instrument :
MSVOA_Y
ClientSampleId :

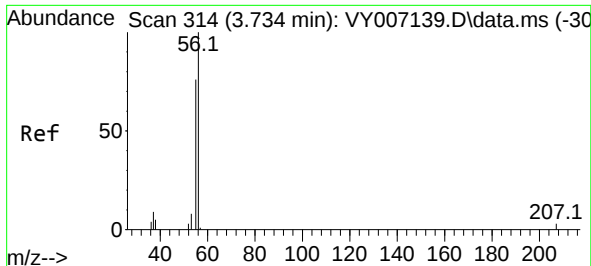
Tgt Ion:168 Resp: 81308
Ion Ratio Lower Upper
168 100
99 64.2 49.1 73.7



#11
Tert butyl alcohol
Concen: 10.603 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

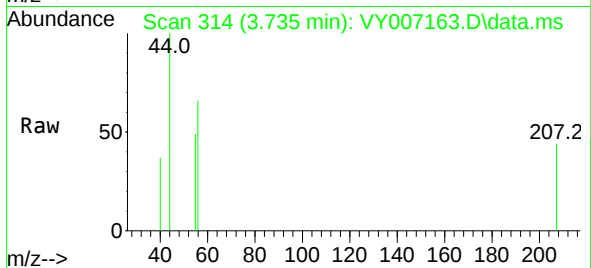
Tgt Ion: 59 Resp: 1294
Ion Ratio Lower Upper
59 100
57 1.6 8.1 12.1#



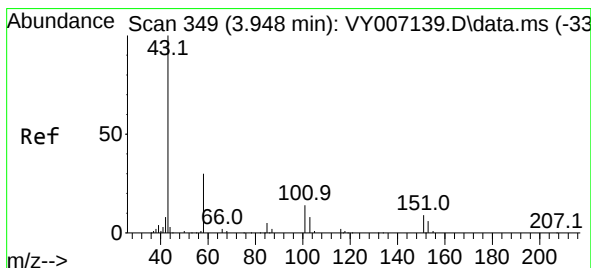
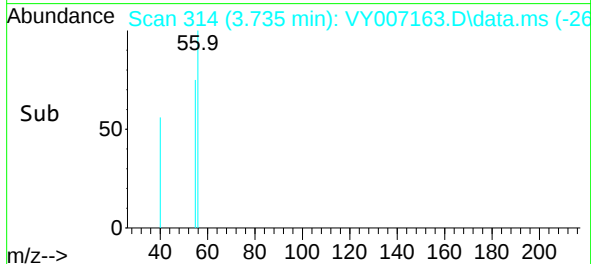


#13
Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. 0.001 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

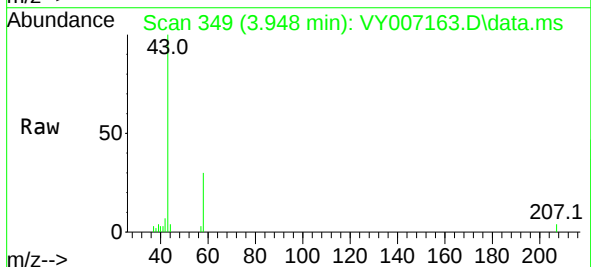
Instrument :
MSVOA_Y
ClientSampleId :



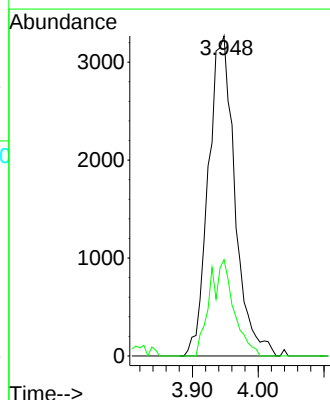
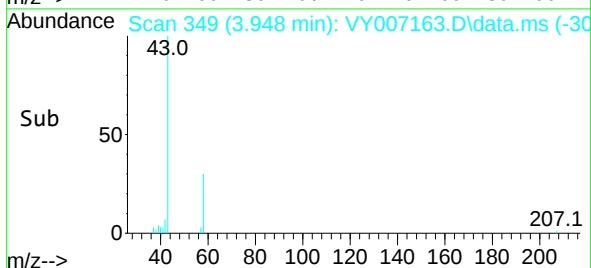
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#

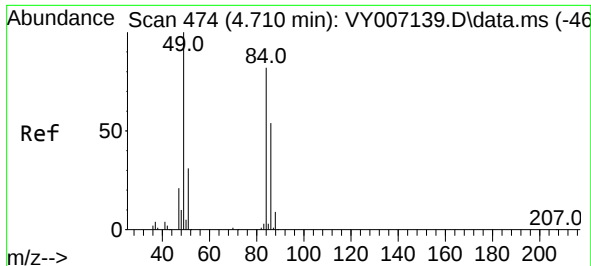


#16
Acetone
Concen: 35.382 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00



Tgt Ion: 43 Resp: 9161
Ion Ratio Lower Upper
43 100
58 30.1 23.8 35.6





#20

Methylene Chloride

Concen: 1.122 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

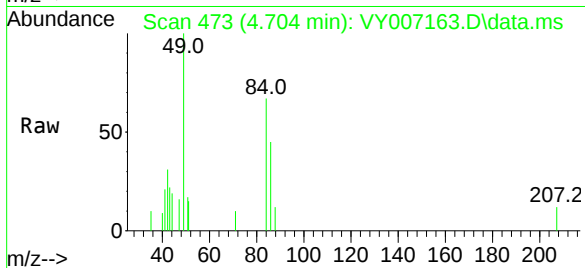
Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

Instrument :

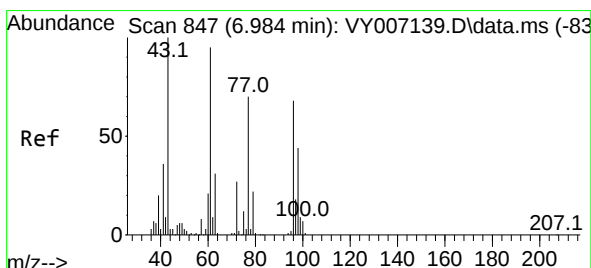
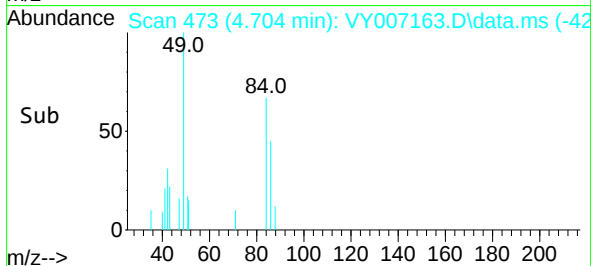
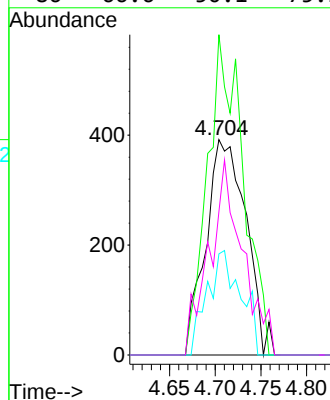
MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1201

Ion	Ratio	Lower	Upper
84	100		
49	148.7	92.6	139.0#
51	46.9	28.6	42.8#
86	66.6	50.1	75.1



#25

2-Butanone

Concen: 3.866 ug/l

RT: 6.984 min Scan# 847

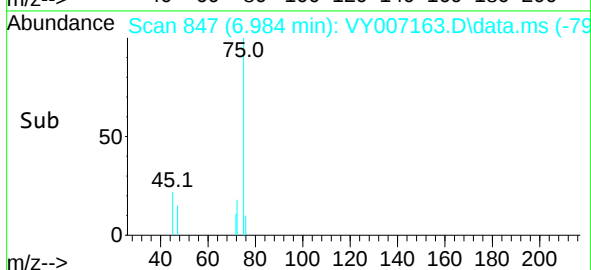
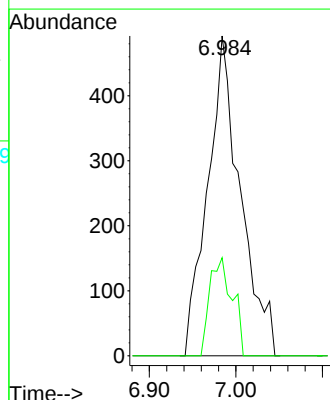
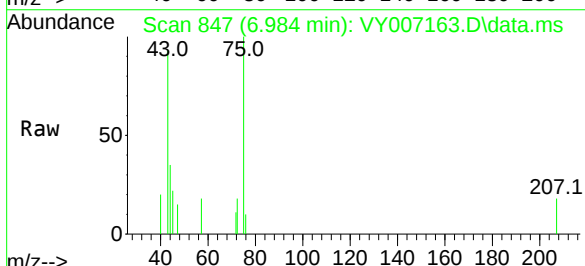
Delta R.T. 0.000 min

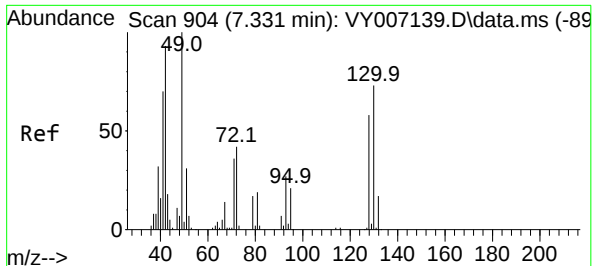
Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

Tgt Ion: 43 Resp: 1294

Ion	Ratio	Lower	Upper
43	100		
72	30.7	21.9	32.9





#28

Bromochloromethane

Concen: 1.134 ug/l

RT: 7.508 min Scan# 91

Delta R.T. 0.177 min

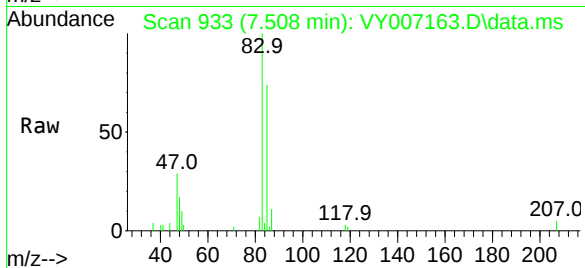
Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

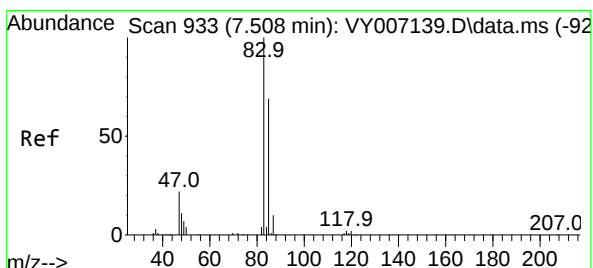
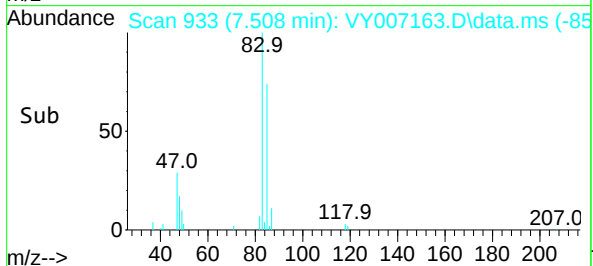
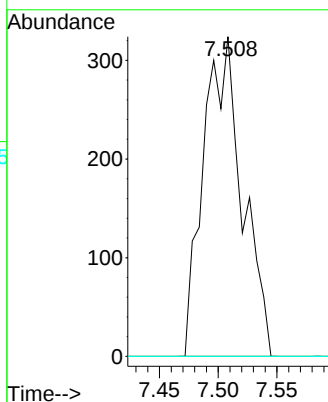
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 49	Resp: 746
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.6
130	0.0 65.0 97.4#



#30

Chloroform

Concen: 4.734 ug/l

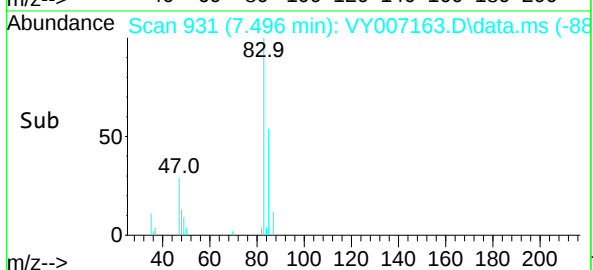
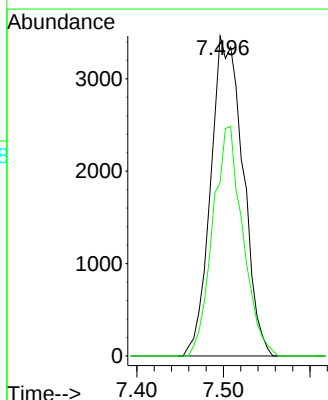
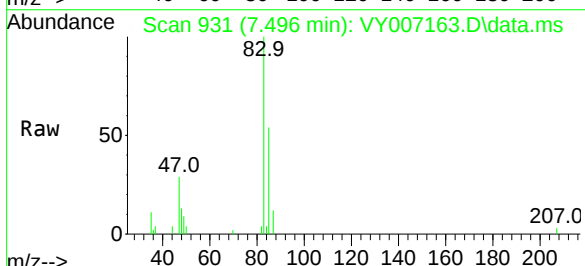
RT: 7.496 min Scan# 931

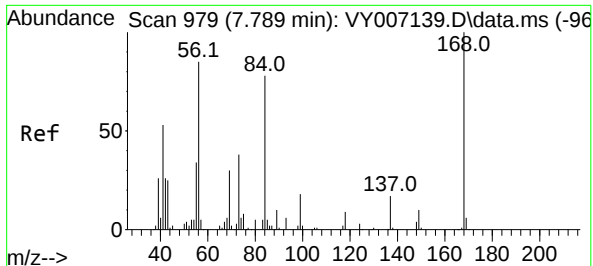
Delta R.T. -0.012 min

Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

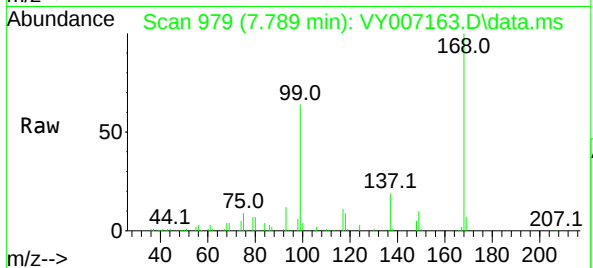
Tgt Ion: 83	Resp: 8943
Ion Ratio	Lower Upper
83	100
85	54.2 50.9 76.3



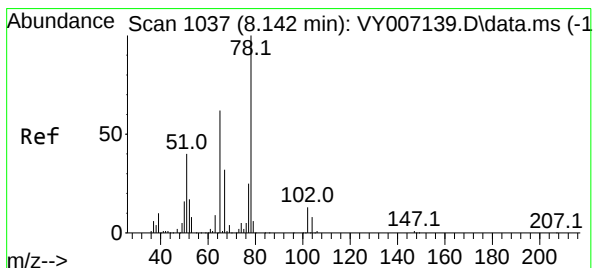
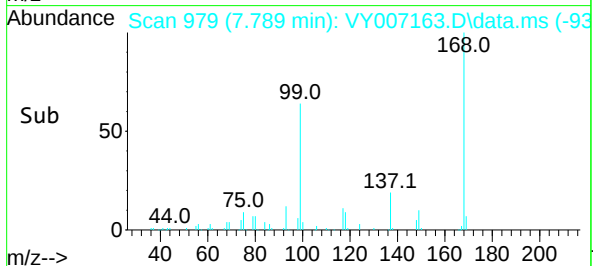
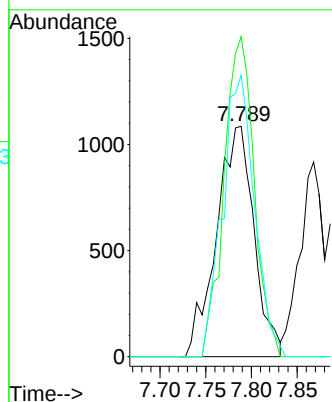


#31
Cyclohexane
Concen: 1.840 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Instrument :
MSVOA_Y
ClientSampleId :

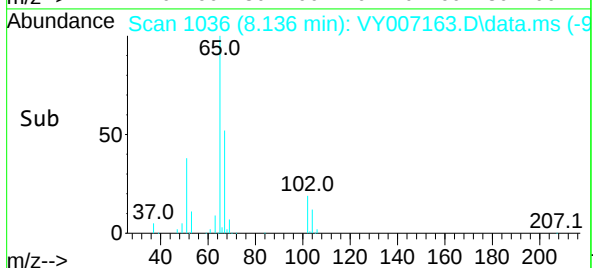
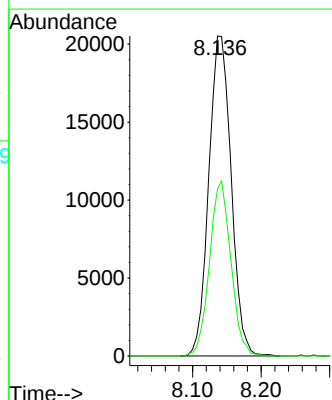
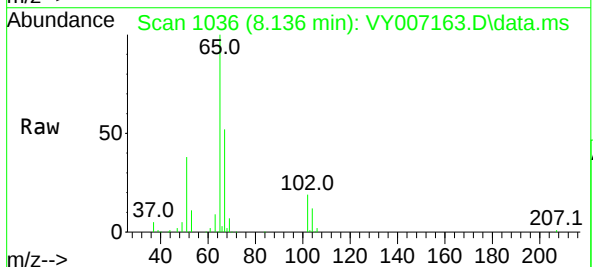


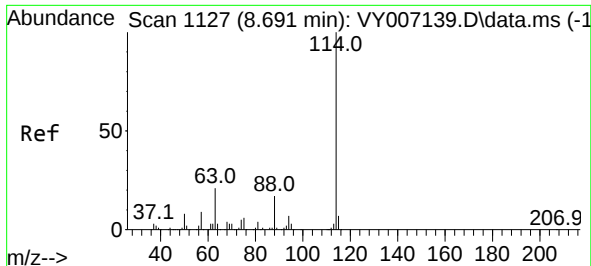
Tgt Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
69 138.9 27.2 40.8#
84 122.1 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 46.646 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Tgt Ion: 65 Resp: 46537
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.6

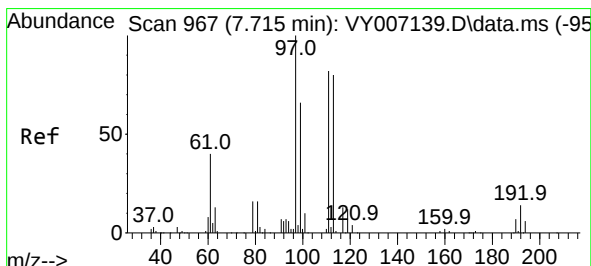
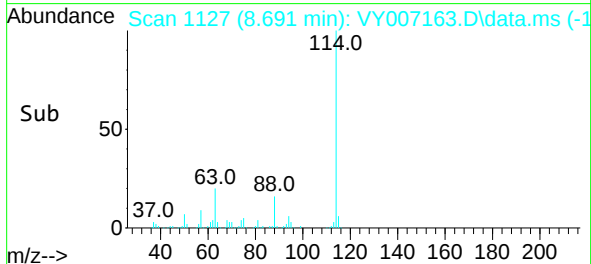
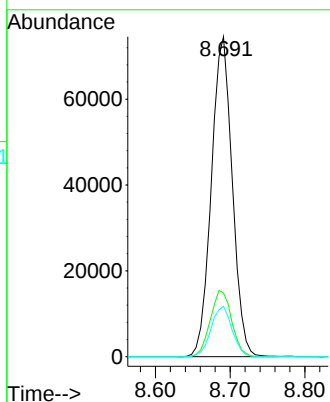
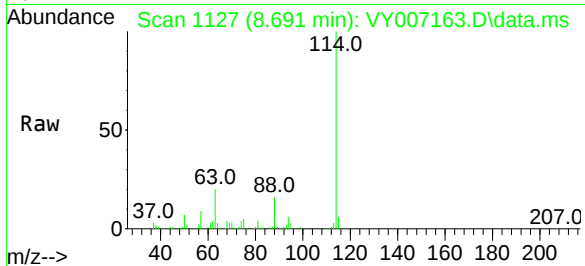




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

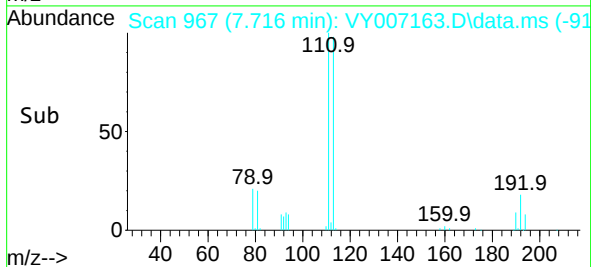
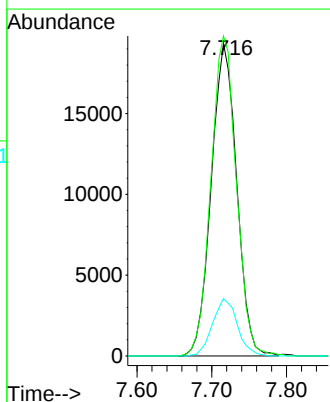
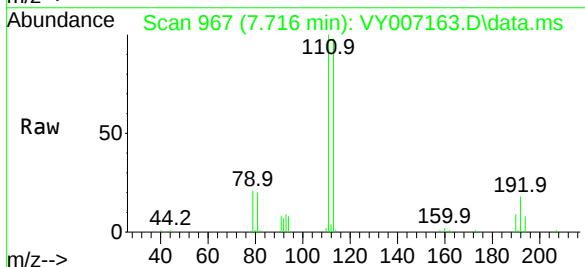
Instrument :
MSVOA_Y
ClientSampleId :

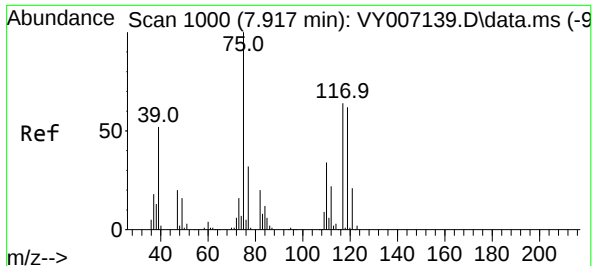
Tgt Ion:114 Resp: 144654
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.2
88 15.7 0.0 31.0



#35
Dibromofluoromethane
Concen: 46.688 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

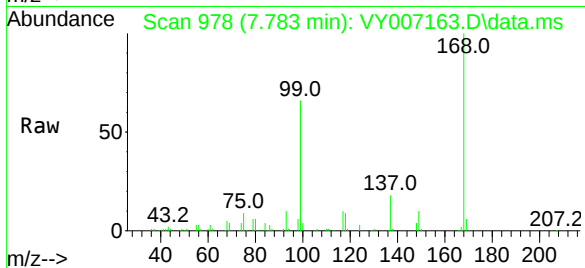
Tgt Ion:113 Resp: 45667
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 17.9 14.2 21.4



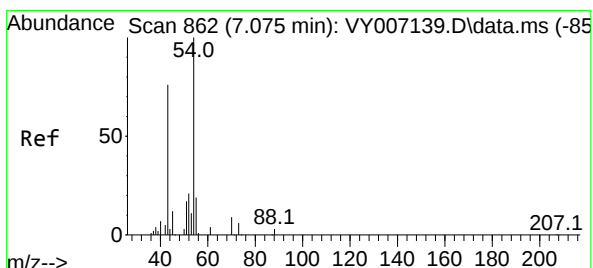
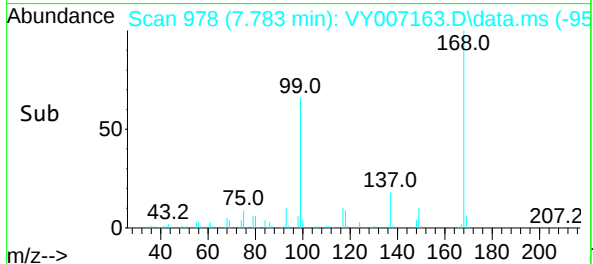
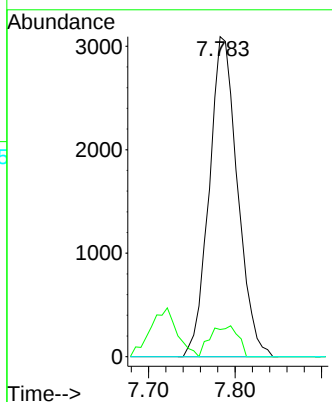


#36
 1,1-Dichloropropene
 Concen: 4.503 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY007163.D
 Acq: 14 Jan 2022 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :

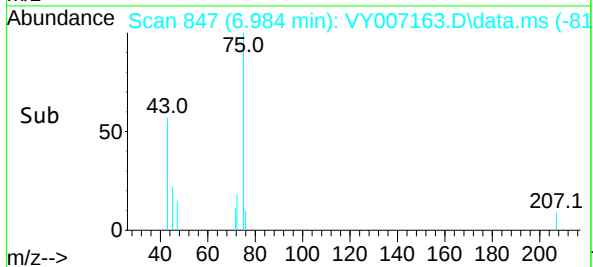
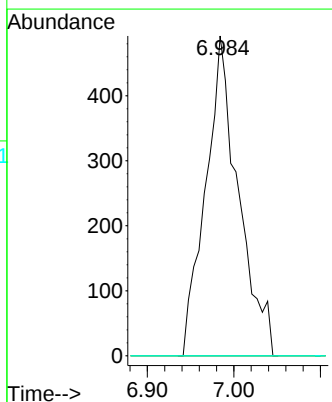
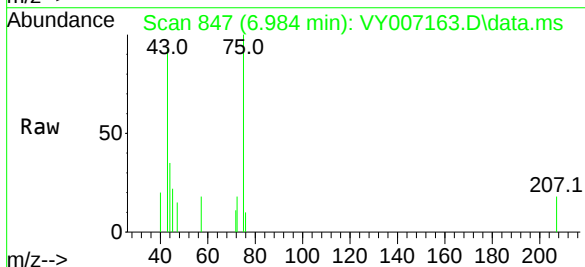


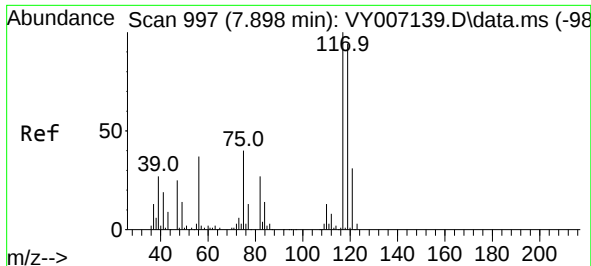
Tgt Ion: 75 Resp: 7034
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.3 51.9#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 1.614 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. -0.091 min
 Lab File: VY007163.D
 Acq: 14 Jan 2022 13:00

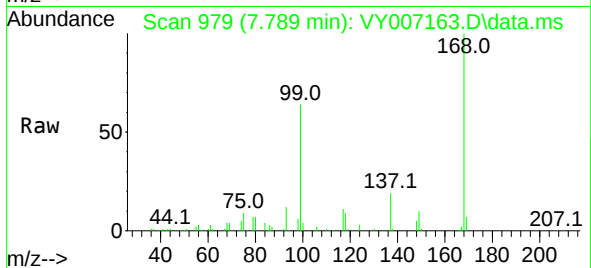
Tgt Ion: 43 Resp: 1294
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.8#
 70 0.0 9.0 13.4#



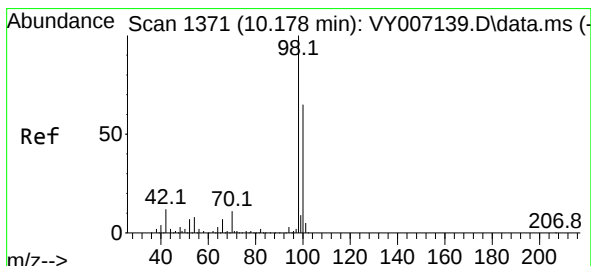
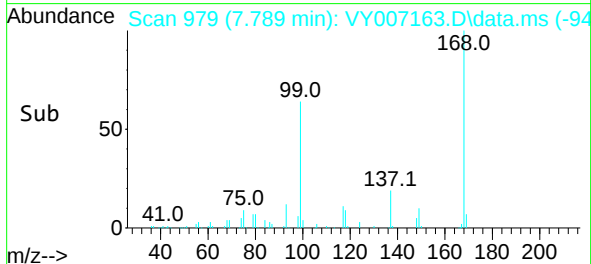
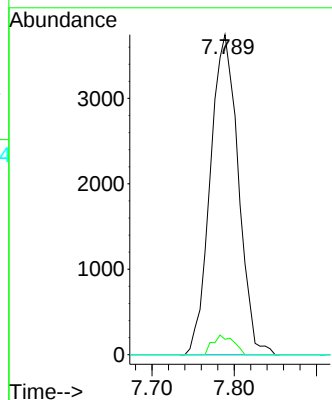


#38
Carbon Tetrachloride
Concen: 5.404 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Instrument :
MSVOA_Y
ClientSampleId :

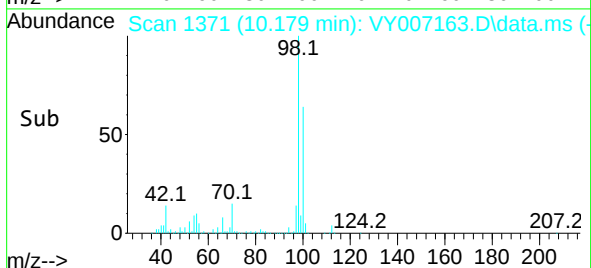
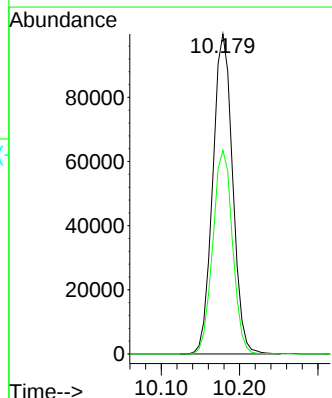
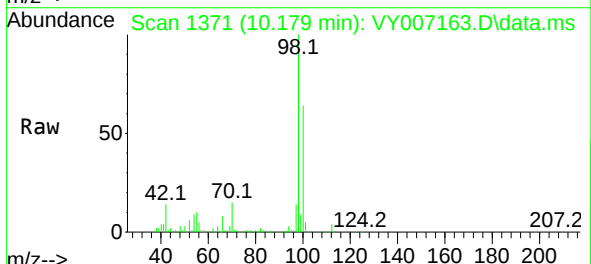


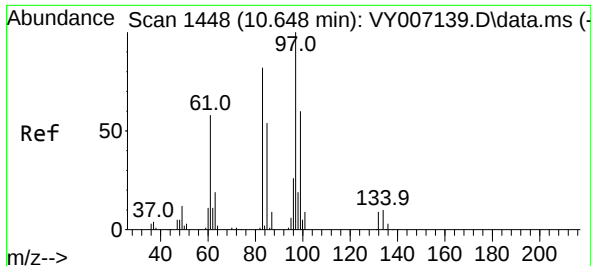
Tgt Ion:117 Resp: 8879
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.175 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

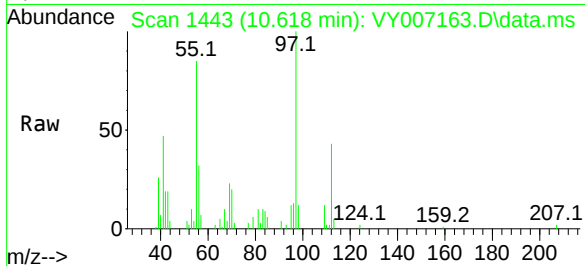
Tgt Ion: 98 Resp: 175754
Ion Ratio Lower Upper
98 100
100 63.1 52.2 78.2



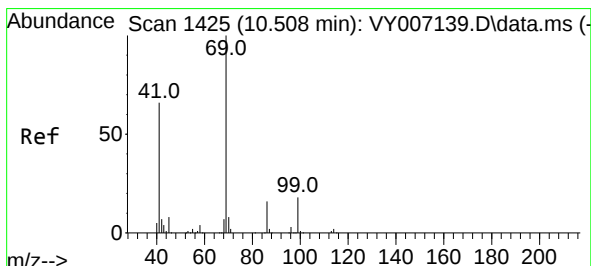
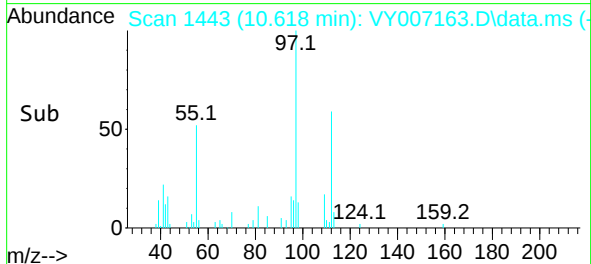
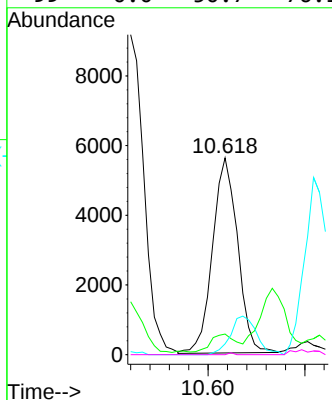


#55
1,1,2-Trichloroethane
Concen: 11.875 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Instrument :
MSVOA_Y
ClientSampleId :

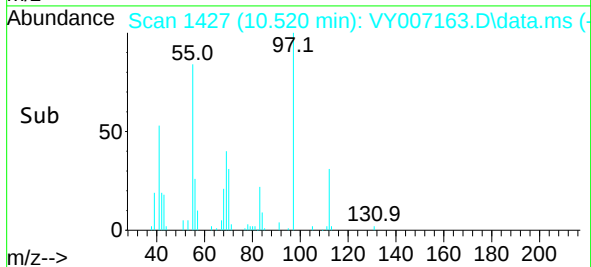
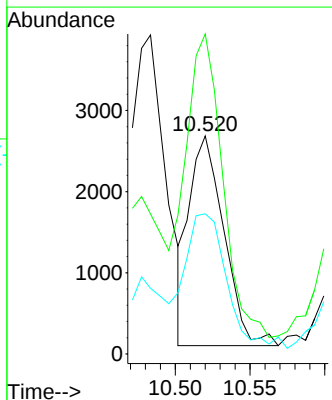
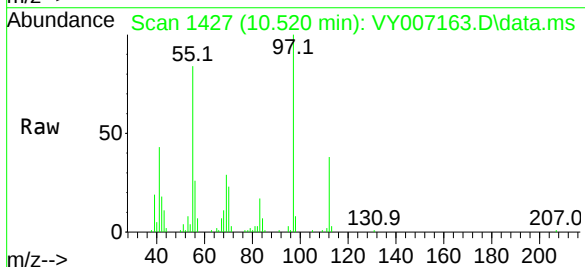


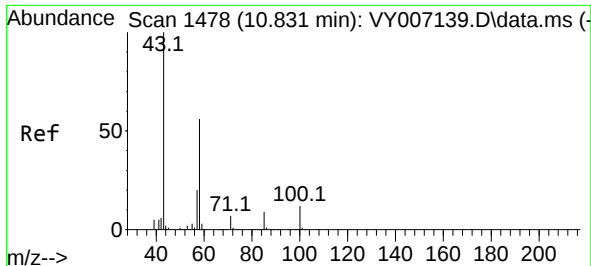
Tgt Ion: 97	Resp: 10094
Ion Ratio	Lower Upper
97 100	
83 8.8	67.0 100.4#
85 5.6	41.2 61.8#
99 0.0	50.7 76.1#



#56
Ethyl methacrylate
Concen: 3.488 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Tgt Ion: 69	Resp: 4177
Ion Ratio	Lower Upper
69 100	
41 154.4	49.4 74.0#
39 77.4	27.7 41.5#

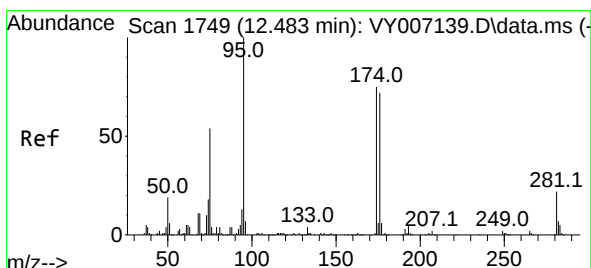
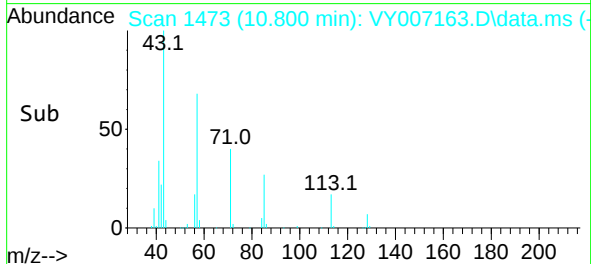
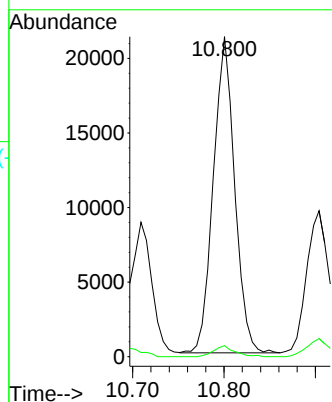
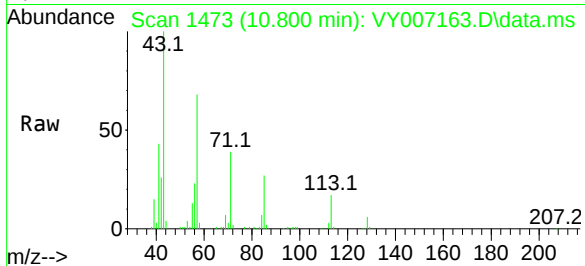




#59
2-Hexanone
Concen: 64.077 ug/l
RT: 10.800 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

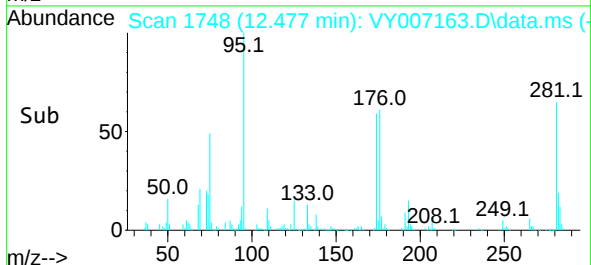
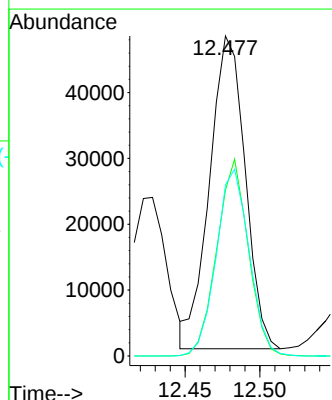
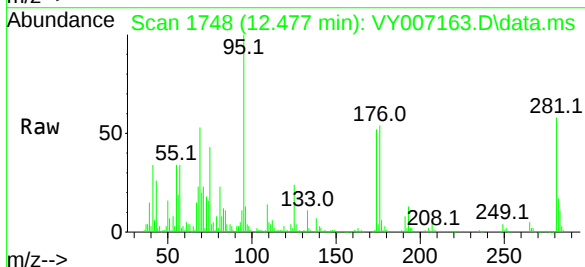
Instrument :
MSVOA_Y
ClientSampleId :

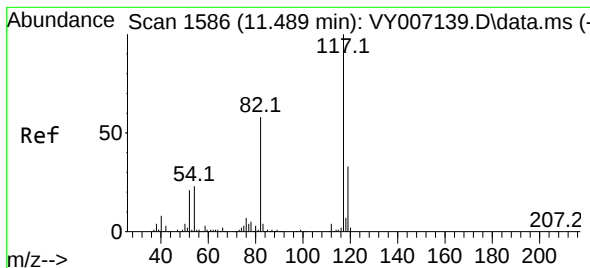
Tgt Ion: 43 Resp: 34397
Ion Ratio Lower Upper
43 100
58 3.4 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 61.713 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Tgt Ion: 95 Resp: 78458
Ion Ratio Lower Upper
95 100
174 55.7 0.0 148.4
176 55.5 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

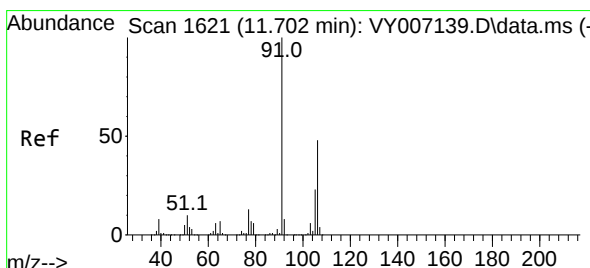
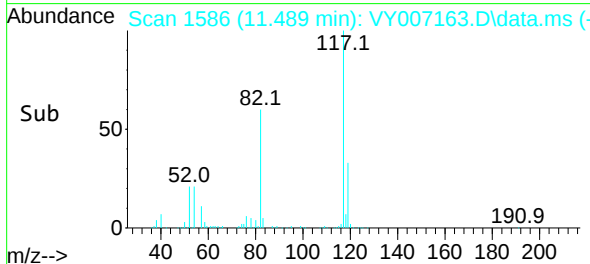
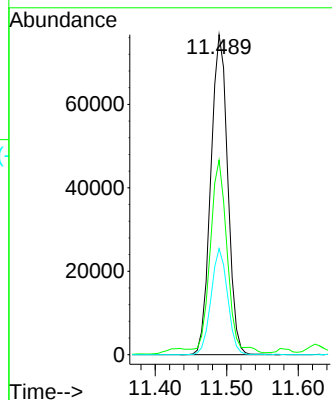
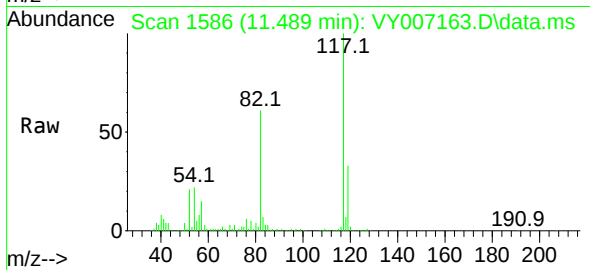
Tgt Ion:117 Resp: 126340

Ion Ratio Lower Upper

117 100

82 58.9 45.4 68.0

119 33.2 26.4 39.6



#68

m/p-Xylenes

Concen: 1.472 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY007163.D

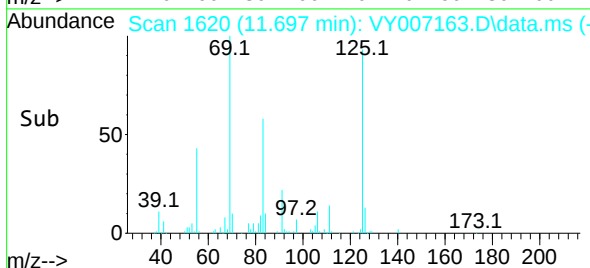
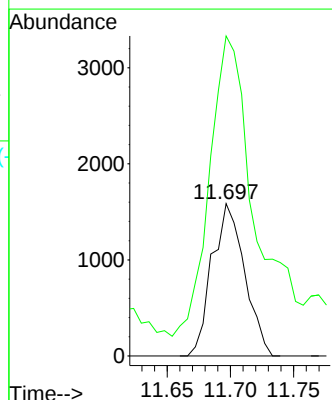
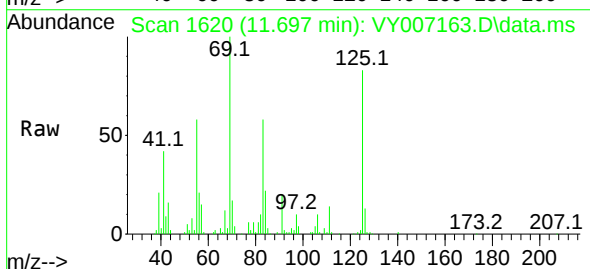
Acq: 14 Jan 2022 13:00

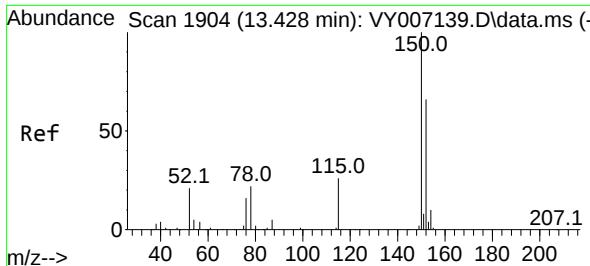
Tgt Ion:106 Resp: 2840

Ion Ratio Lower Upper

106 100

91 270.5 167.1 250.7#

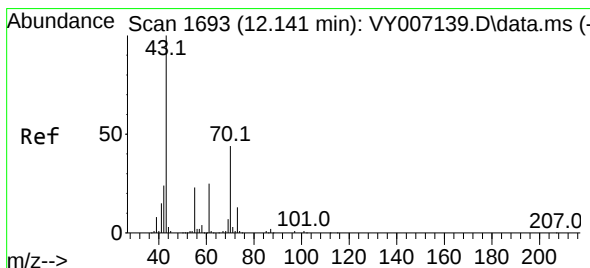
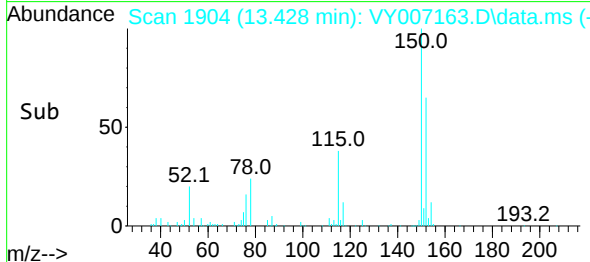
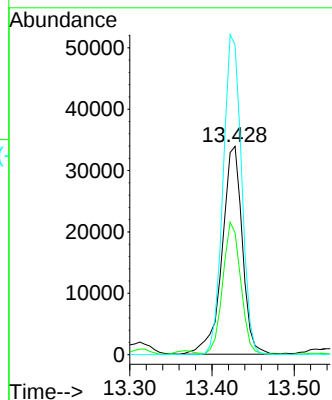
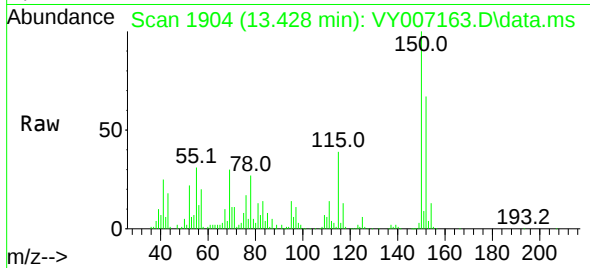




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

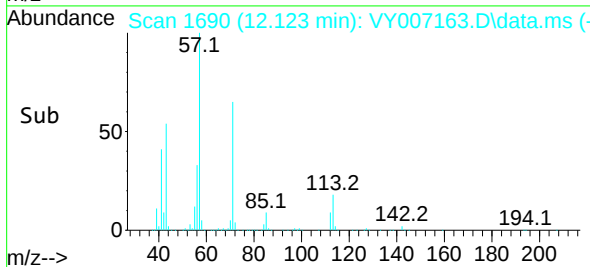
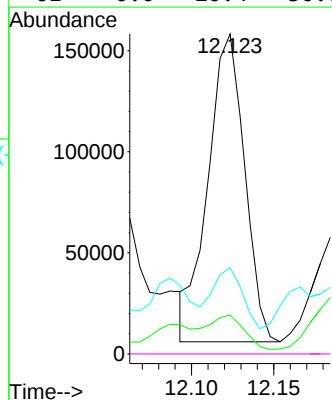
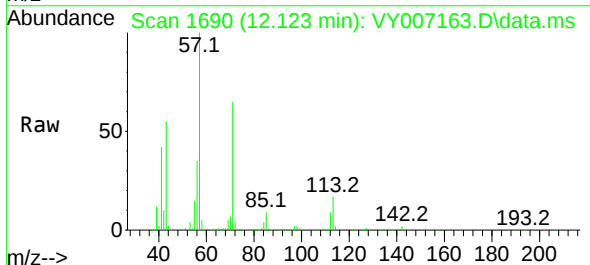
Instrument :
MSVOA_Y
ClientSampleId :

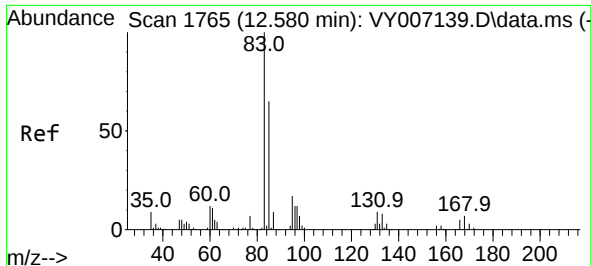
Tgt Ion:152 Resp: 57940
Ion Ratio Lower Upper
152 100
115 57.1 31.4 94.0
150 140.5 0.0 348.4



#74
N-ethyl acetate
Concen: 175.971 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Tgt Ion: 43 Resp: 235485
Ion Ratio Lower Upper
43 100
70 10.1 36.2 54.4#
55 15.9 19.0 28.4#
61 0.0 20.4 30.6#

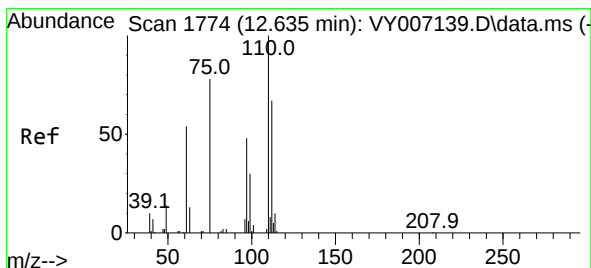
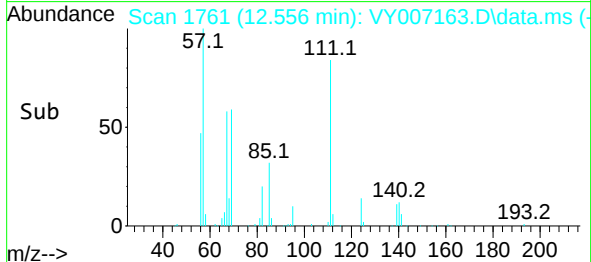
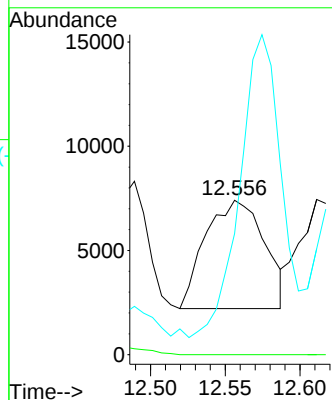
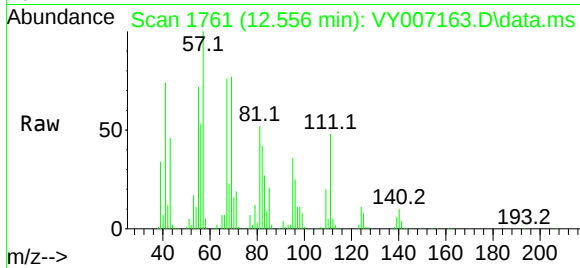




#75
1,1,2,2-Tetrachloroethane
Concen: 14.661 ug/l
RT: 12.556 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

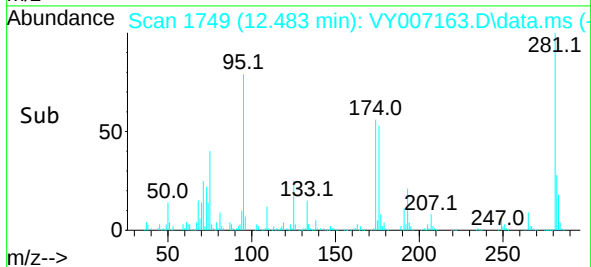
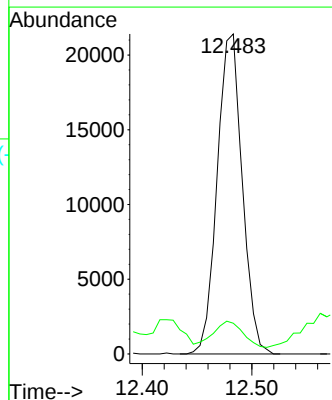
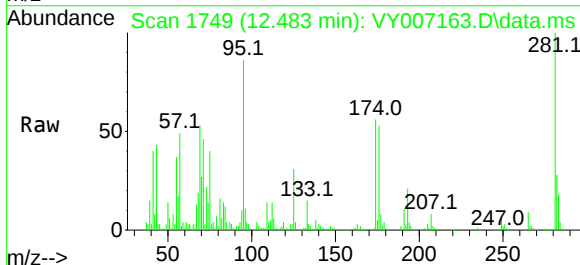
Instrument :
MSVOA_Y
ClientSampleId :

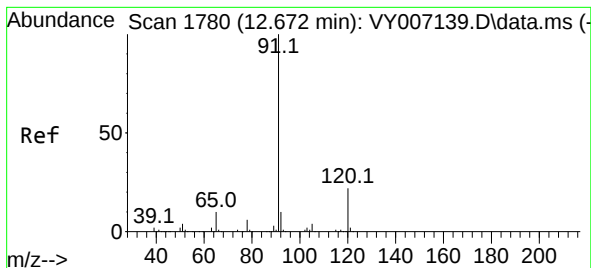
Tgt Ion: 83 Resp: 14267
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 196.2 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 51.455 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

Tgt Ion: 75 Resp: 33995
Ion Ratio Lower Upper
75 100
77 9.6 0.0 0.0#





#78

n-propylbenzene

Concen: 3.637 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

Instrument :

MSVOA_Y

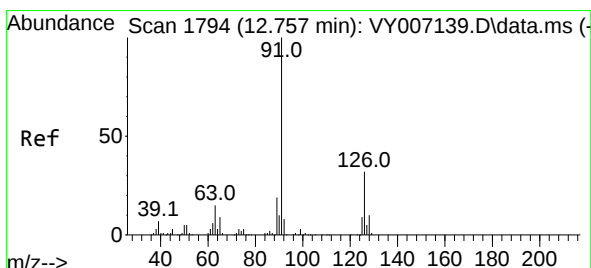
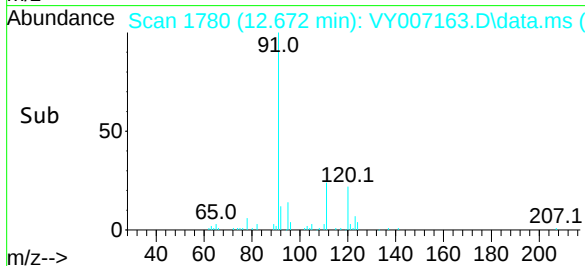
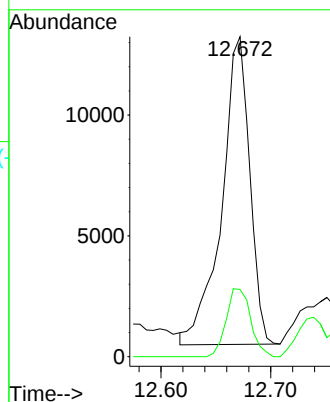
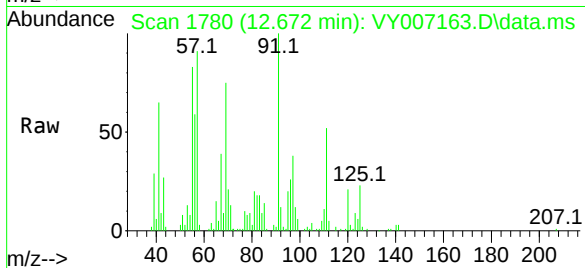
ClientSampleId :

Tgt Ion: 91 Resp: 22565

Ion Ratio Lower Upper

91 100

120 19.3 11.2 33.5



#79

2-Chlorotoluene

Concen: 1.557 ug/l

RT: 12.751 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VY007163.D

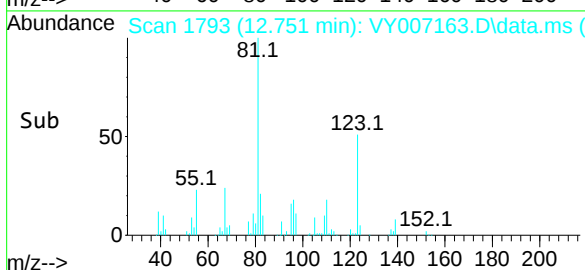
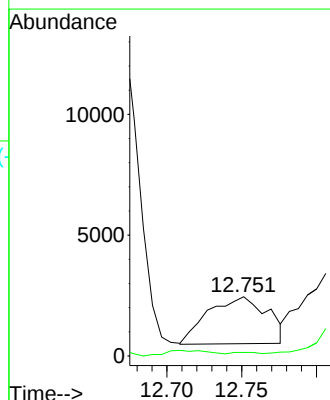
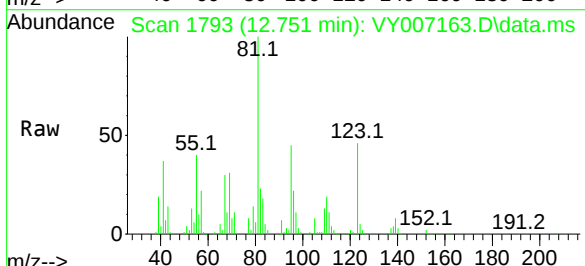
Acq: 14 Jan 2022 13:00

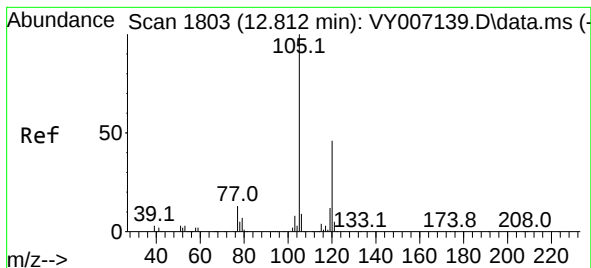
Tgt Ion: 91 Resp: 5371

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#





#80

1,3,5-Trimethylbenzene

Concen: 2.934 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

Instrument :

MSVOA_Y

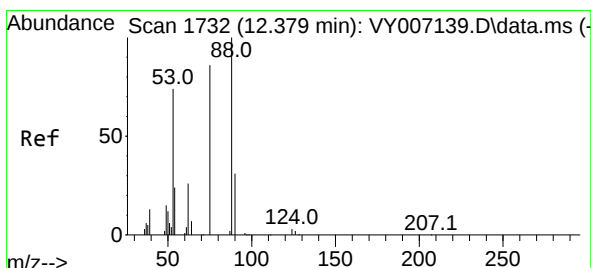
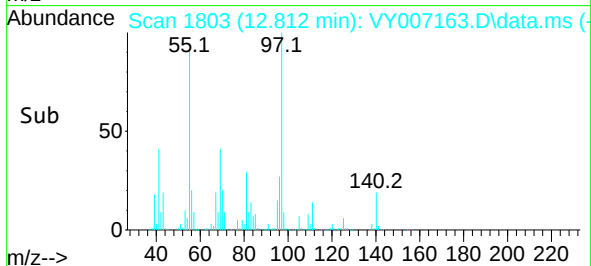
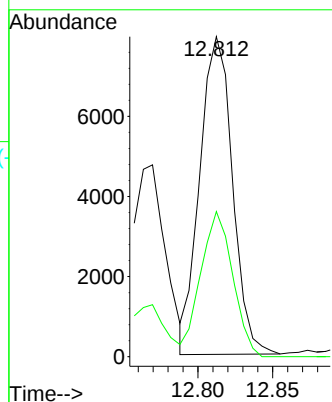
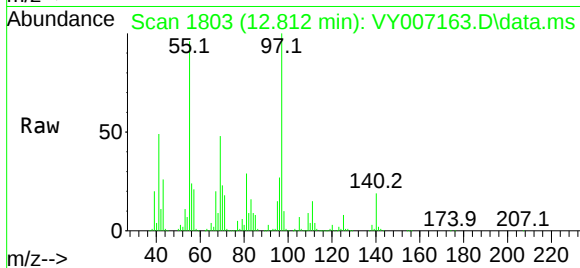
ClientSampleId :

Tgt Ion:105 Resp: 12054

Ion Ratio Lower Upper

105 100

120 44.7 23.7 71.1



#81

trans-1,4-Dichloro-2-butene

Concen: 94.201 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

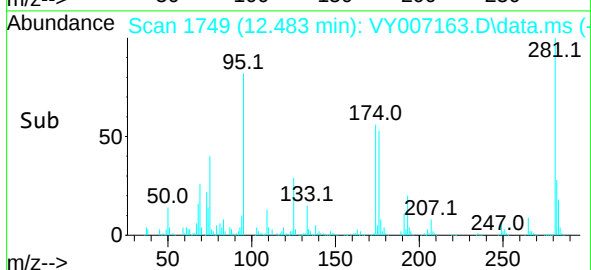
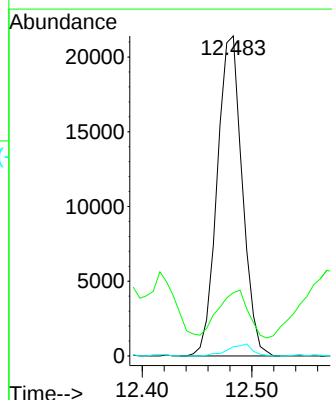
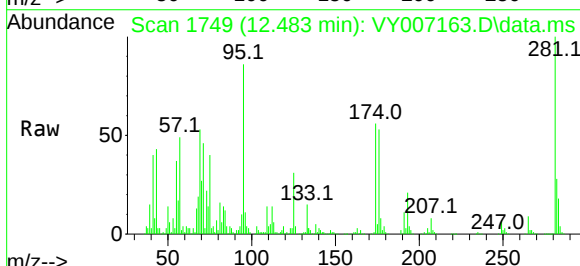
Tgt Ion: 75 Resp: 33995

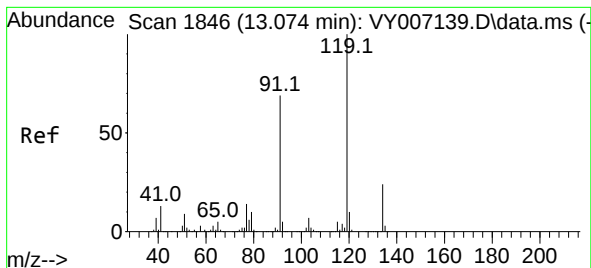
Ion Ratio Lower Upper

75 100

53 17.6 73.9 110.9#

89 3.6 0.0 0.0#





#83

tert-Butylbenzene

Concen: 1.016 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY007163.D

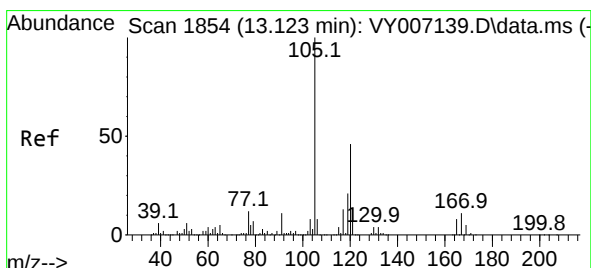
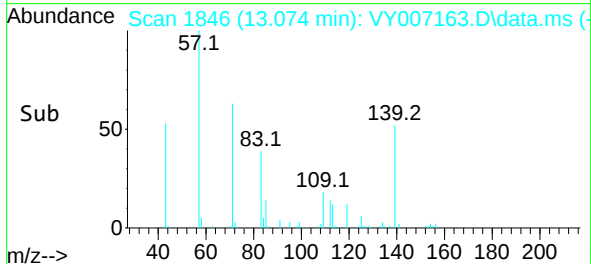
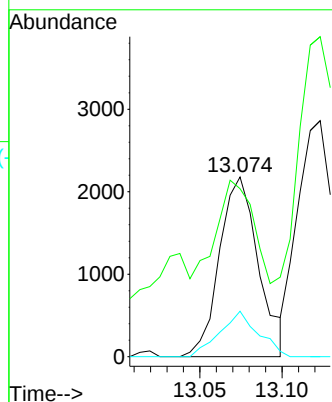
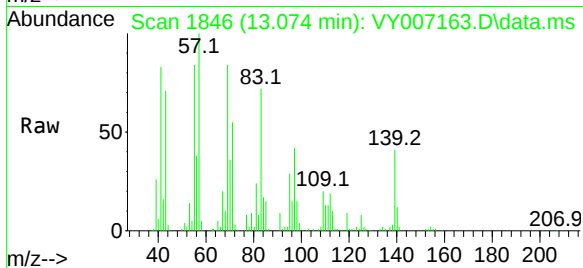
Acq: 14 Jan 2022 13:00

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	3609
Ion Ratio	Lower	Upper
119	100	
91	52.6	33.1 99.5
134	24.8	12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 8.990 ug/l

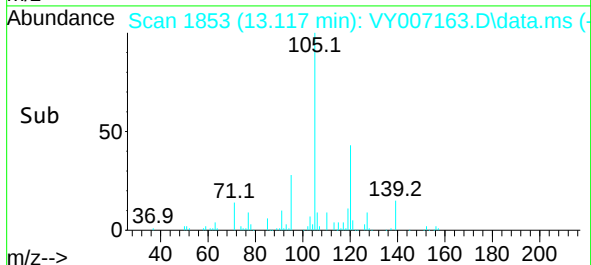
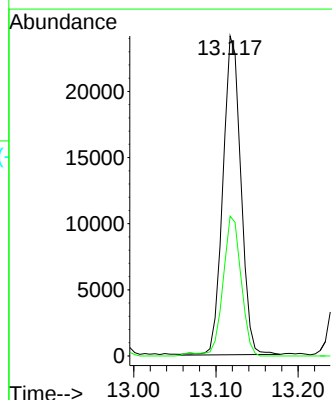
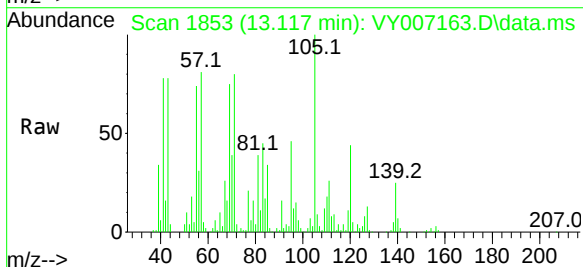
RT: 13.117 min Scan# 1853

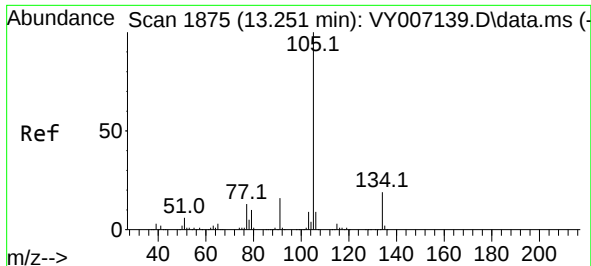
Delta R.T. -0.006 min

Lab File: VY007163.D

Acq: 14 Jan 2022 13:00

Tgt Ion:105	Resp:	36614
Ion Ratio	Lower	Upper
105	100	
120	43.6	21.6 64.6

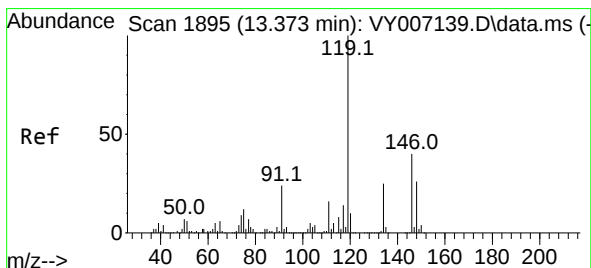
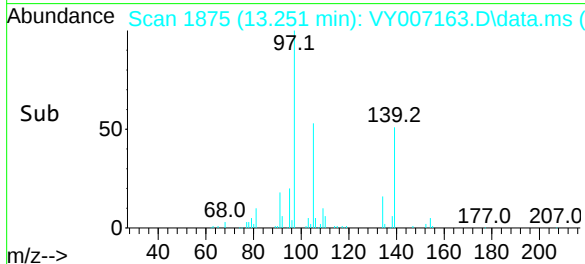
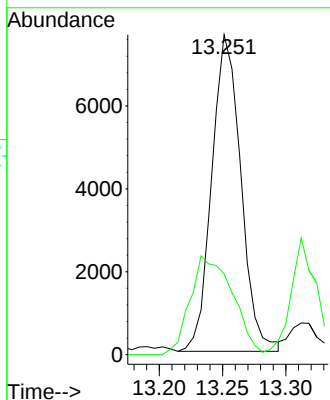
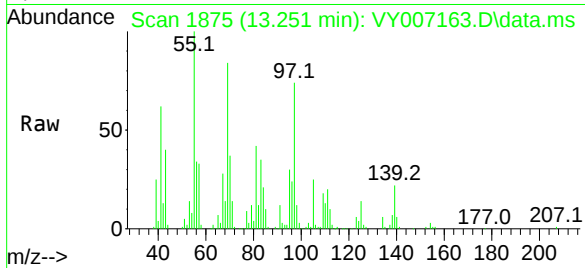




#85
 sec-Butylbenzene
 Concen: 2.301 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY007163.D
 Acq: 14 Jan 2022 13:00

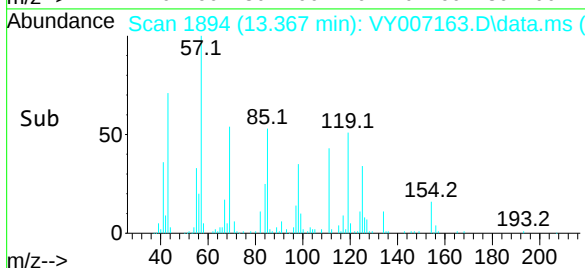
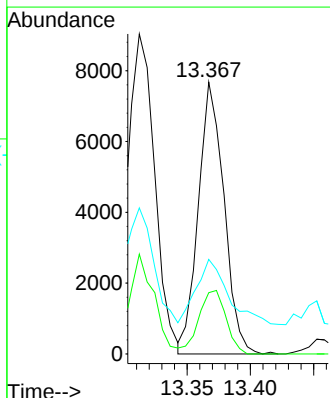
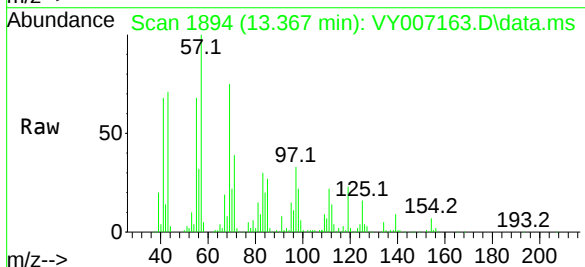
Instrument :
 MSVOA_Y
 ClientSampleId :

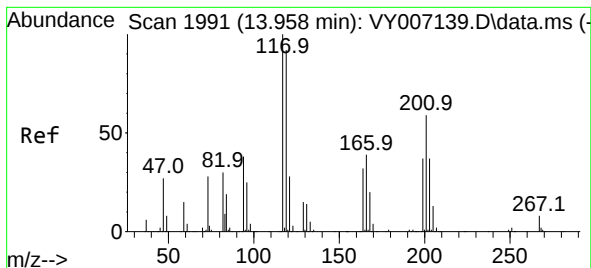
Tgt Ion:105 Resp: 12223
 Ion Ratio Lower Upper
 105 100
 134 45.3 9.9 29.7#



#86
 p-Isopropyltoluene
 Concen: 2.487 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.006 min
 Lab File: VY007163.D
 Acq: 14 Jan 2022 13:00

Tgt Ion:119 Resp: 10854
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.7
 91 30.0 12.4 37.2

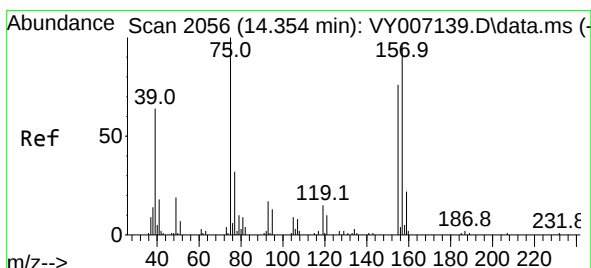
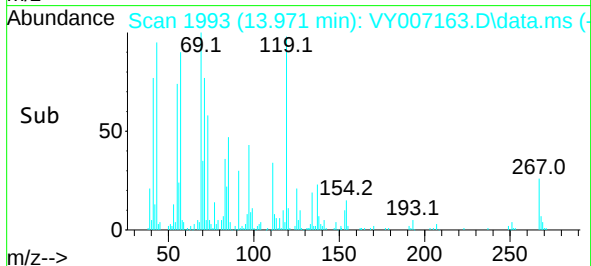
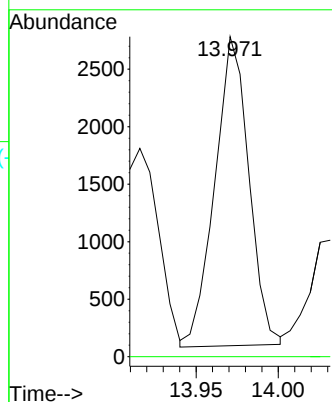
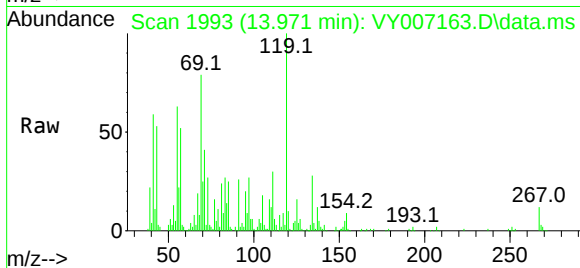




#90
Hexachloroethane
Concen: 4.535 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

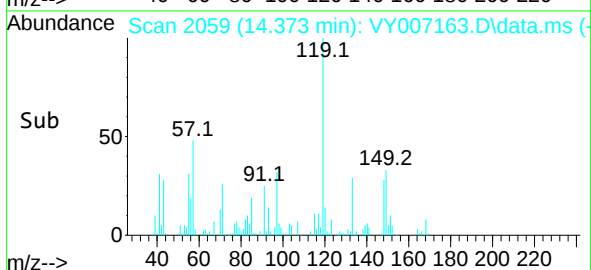
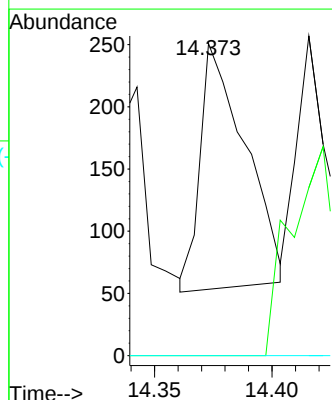
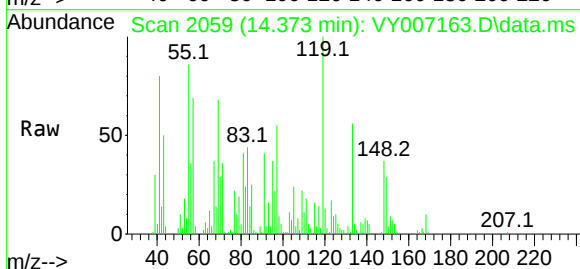
Instrument :
MSVOA_Y
ClientSampleId :

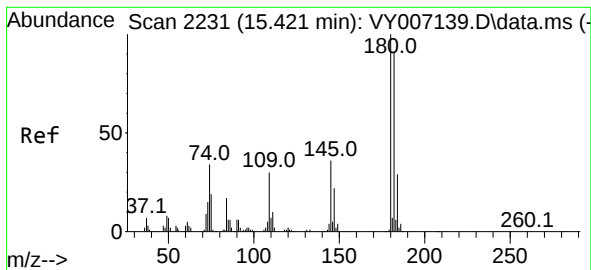
Tgt Ion:117 Resp: 3870
Ion Ratio Lower Upper
117 100
201 0.0 33.6 100.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.565 ug/l
RT: 14.373 min Scan# 2059
Delta R.T. 0.019 min
Lab File: VY007163.D
Acq: 14 Jan 2022 13:00

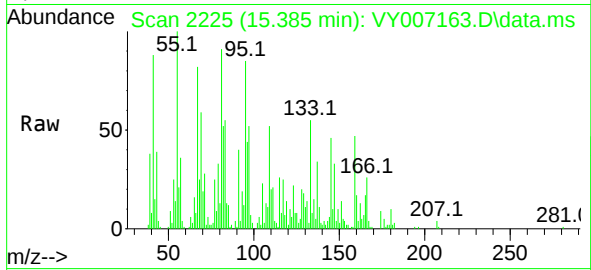
Tgt Ion: 75 Resp: 263
Ion Ratio Lower Upper
75 100
155 0.0 40.1 120.2#
157 0.0 51.7 155.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.201 ug/l
 RT: 15.385 min Scan# 21
 Delta R.T. -0.036 min
 Lab File: VY007163.D
 Acq: 14 Jan 2022 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 1182
 Ion Ratio Lower Upper
 180 100
 182 9.1 47.3 141.8#
 145 909.0 17.2 51.5#

