

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007164.D
 Acq On : 14 Jan 2022 13:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 14 14:39:11 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)

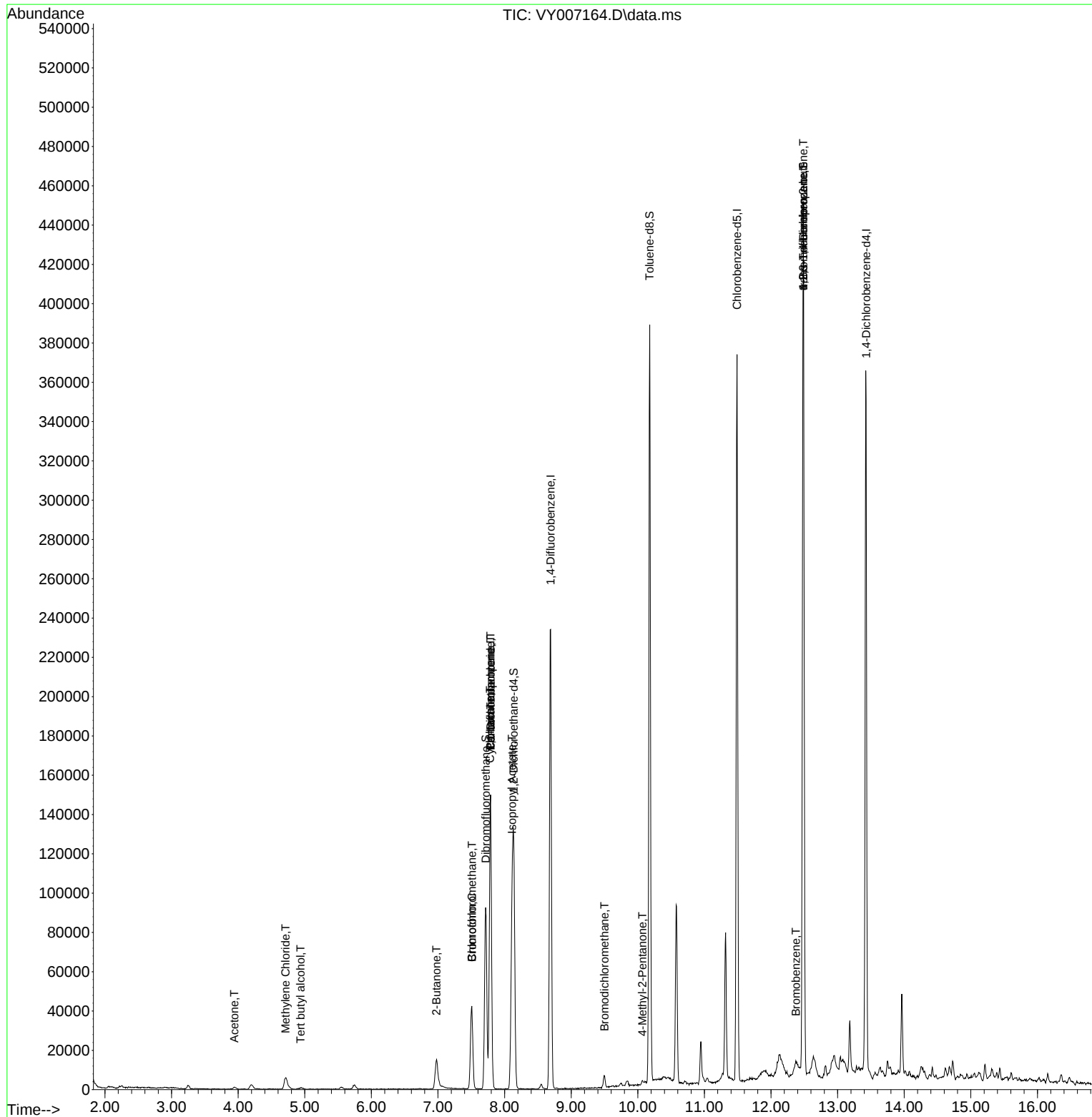
Internal Standards						
1) Pentafluorobenzene	7.789	168	106976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	83376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69837	53.205	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.400%	
35) Dibromofluoromethane	7.715	113	66567	49.261	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.520%	
50) Toluene-d8	10.178	98	244321	49.482	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.960%	
62) 4-Bromofluorobenzene	12.483	95	91917	52.333	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.935	59	1509	8.840	ug/l #	76
16) Acetone	3.942	43	1973	5.792	ug/l	89
20) Methylene Chloride	4.710	84	4598	3.264	ug/l	97
25) 2-Butanone	6.978	43	1112	2.525	ug/l #	85
28) Bromochloromethane	7.508	49	3515	4.063	ug/l #	11
30) Chloroform	7.508	83	42122	16.948	ug/l	97
31) Cyclohexane	7.783	56	2549	1.149	ug/l #	16
36) 1,1-Dichloropropene	7.789	75	9604	4.450	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12205	5.376	ug/l #	14
43) Isopropyl Acetate	8.112	43	2645	1.227	ug/l #	10
47) Bromodichloromethane	9.502	83	4056	1.906	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	1732	1.585	ug/l	92
76) 1,2,3-Trichloropropane	12.483	75	51788	54.473	ug/l #	100
77) Bromobenzene	12.373	156	3340	2.132	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	51788	99.725	ug/l #	4

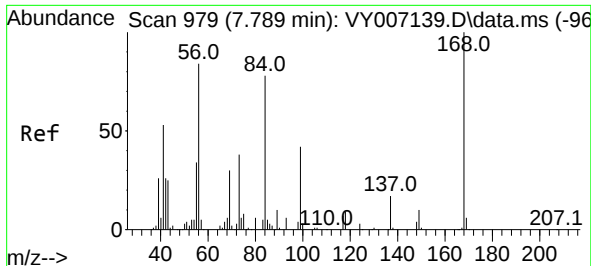
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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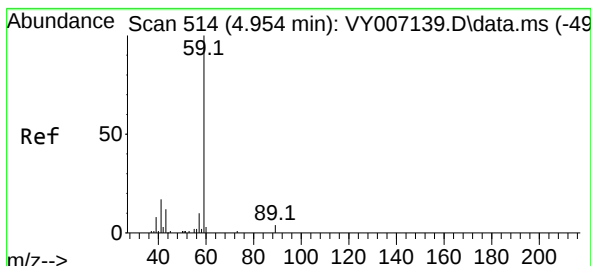
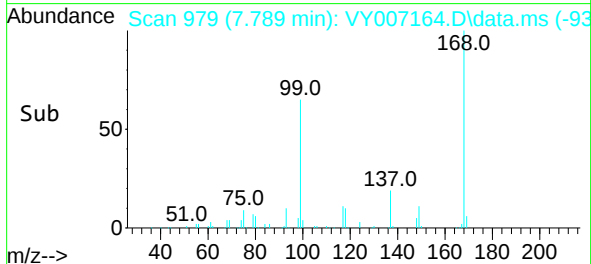
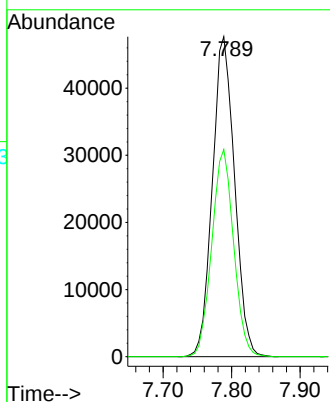
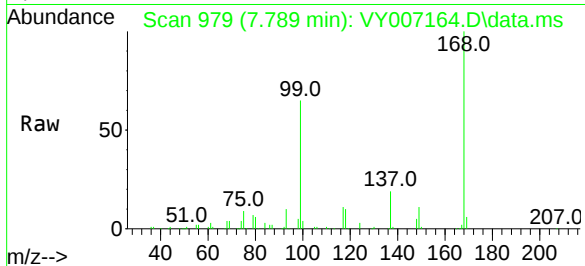




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

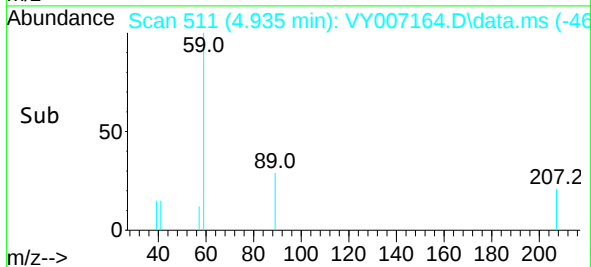
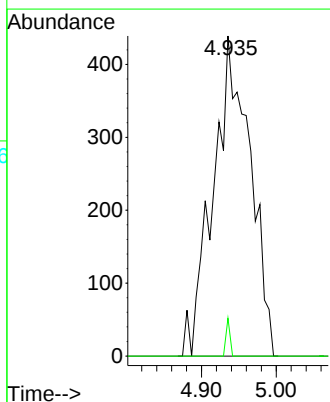
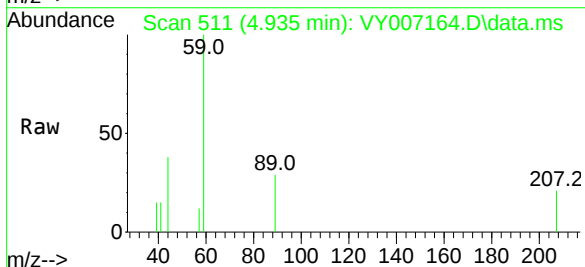
Instrument :
MSVOA_Y
ClientSampleId :

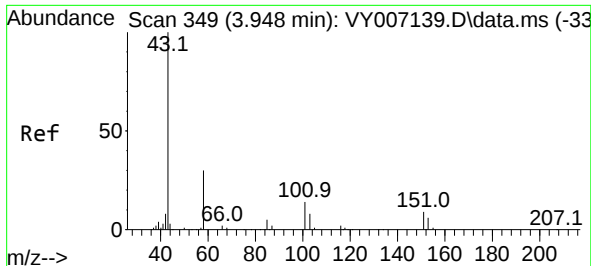
Tgt Ion:168 Resp: 106976
Ion Ratio Lower Upper
168 100
99 64.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 8.840 ug/l
RT: 4.935 min Scan# 511
Delta R.T. -0.019 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 59 Resp: 1509
Ion Ratio Lower Upper
59 100
57 1.3 8.1 12.1#

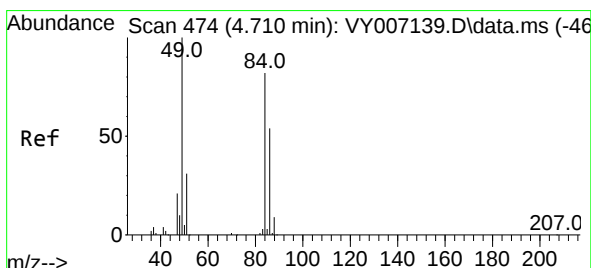
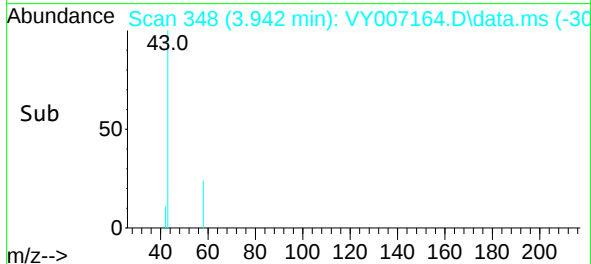
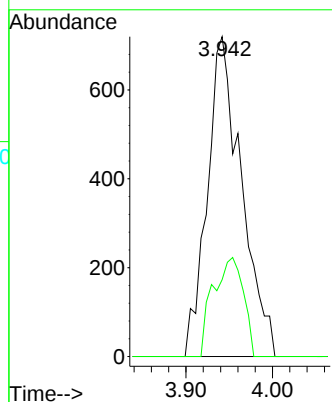
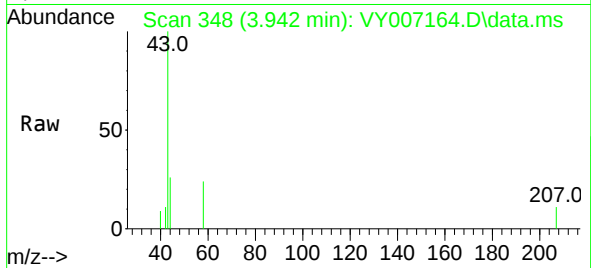




#16
Acetone
Concen: 5.792 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

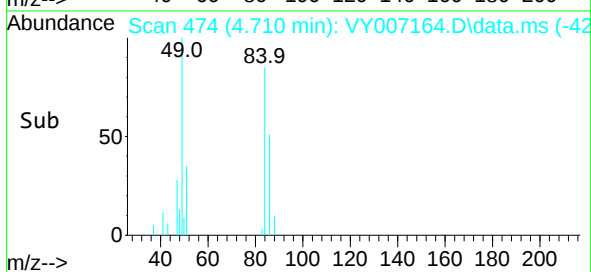
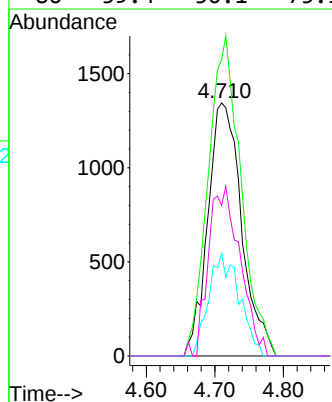
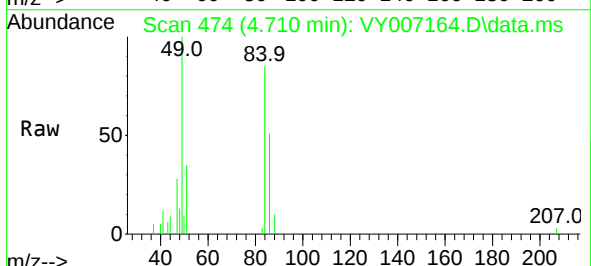
Instrument :
MSVOA_Y
ClientSampleId :

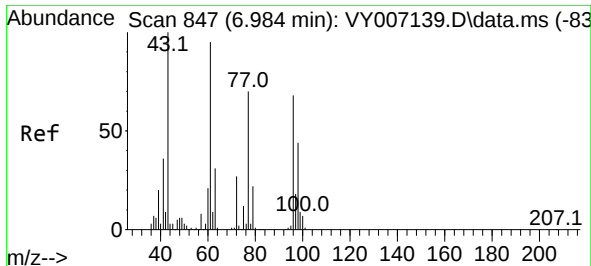
Tgt Ion: 43 Resp: 1973
Ion Ratio Lower Upper
43 100
58 24.0 23.8 35.6



#20
Methylene Chloride
Concen: 3.264 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

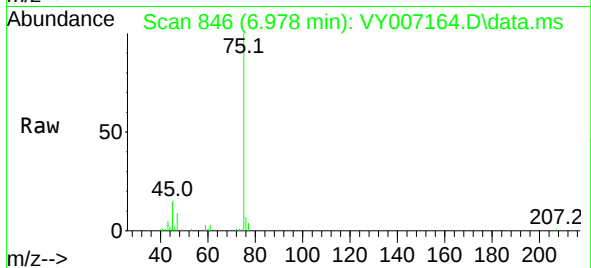
Tgt Ion: 84 Resp: 4598
Ion Ratio Lower Upper
84 100
49 117.3 92.6 139.0
51 40.5 28.6 42.8
86 59.4 50.1 75.1



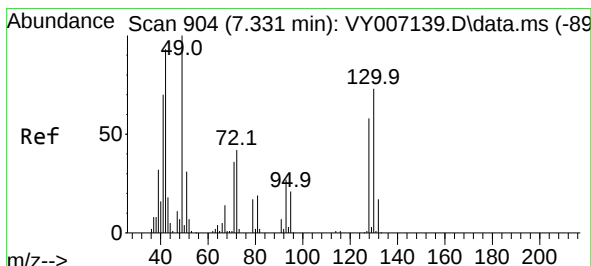
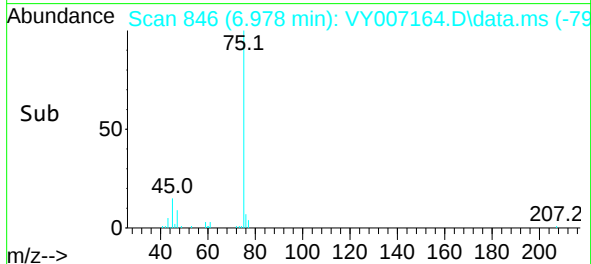
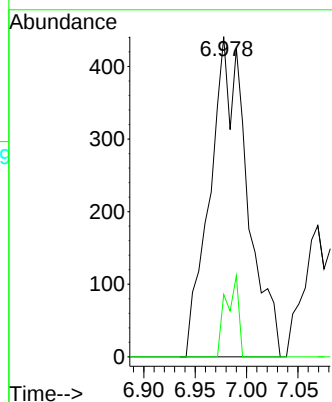


#25
2-Butanone
Concen: 2.525 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Instrument :
MSVOA_Y
ClientSampleId :

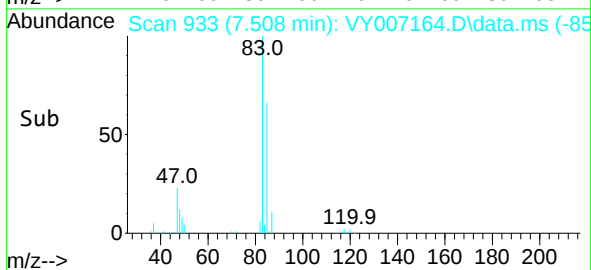
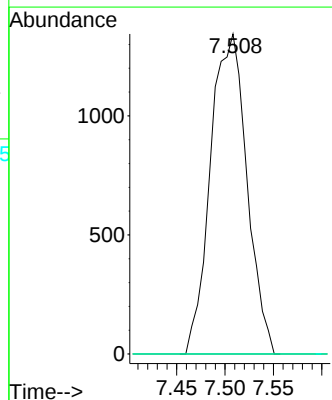
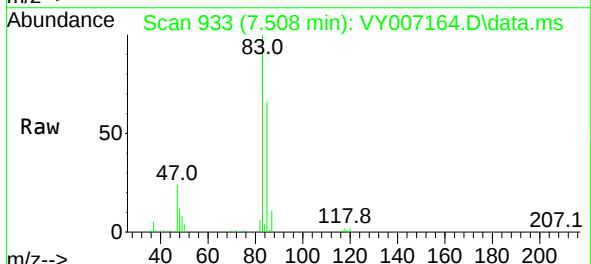


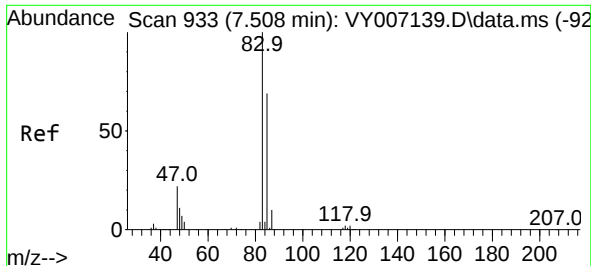
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
72 19.5 21.9 32.9#



#28
Bromochloromethane
Concen: 4.063 ug/l
RT: 7.508 min Scan# 933
Delta R.T. 0.177 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 49 Resp: 3515
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 65.0 97.4#

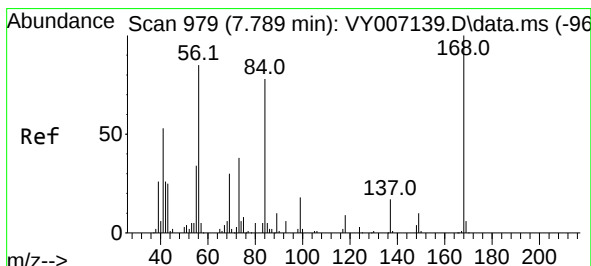
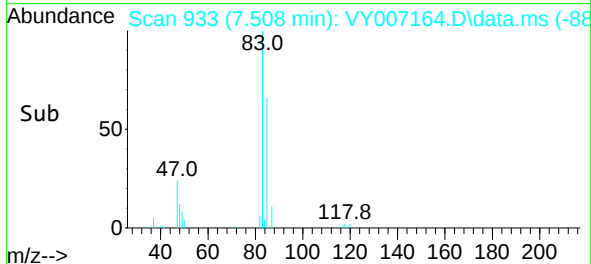
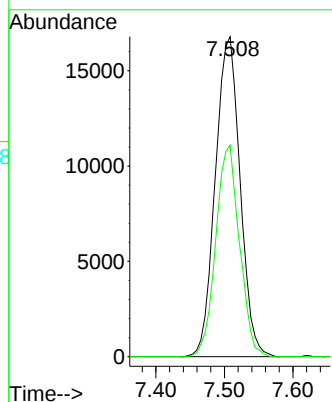
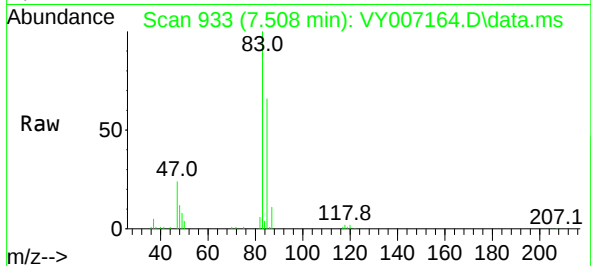




#30
Chloroform
Concen: 16.948 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

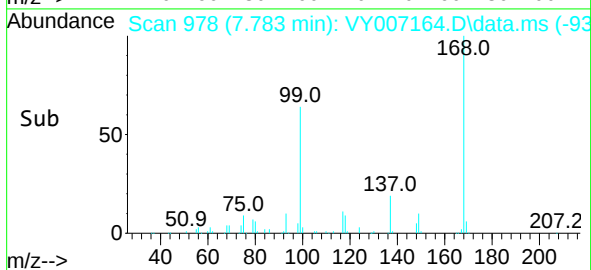
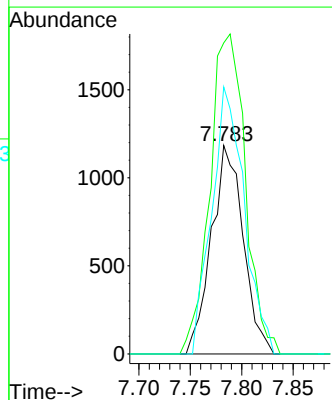
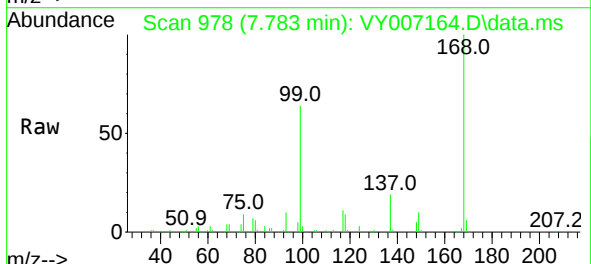
Instrument :
MSVOA_Y
ClientSampleId :

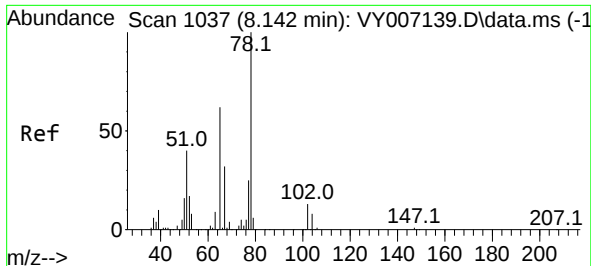
Tgt Ion: 83 Resp: 42122
Ion Ratio Lower Upper
83 100
85 66.1 50.9 76.3



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 56 Resp: 2549
Ion Ratio Lower Upper
56 100
69 149.2 27.2 40.8#
84 128.0 72.1 108.1#

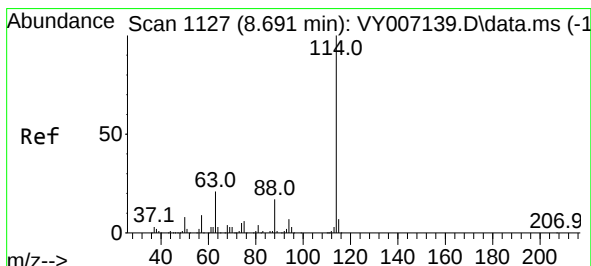
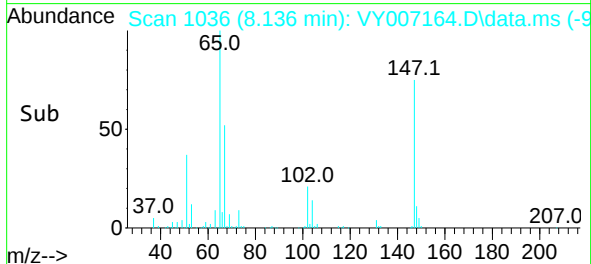
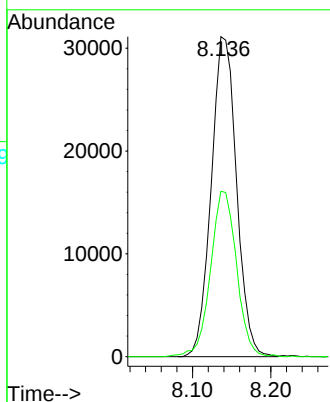
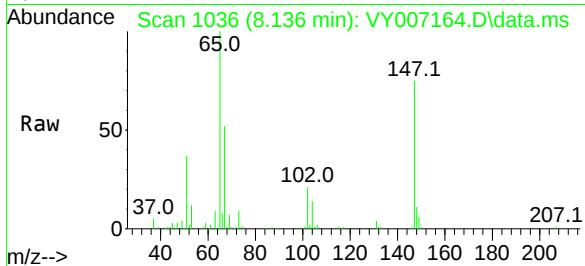




#33
1,2-Dichloroethane-d4
Concen: 53.205 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

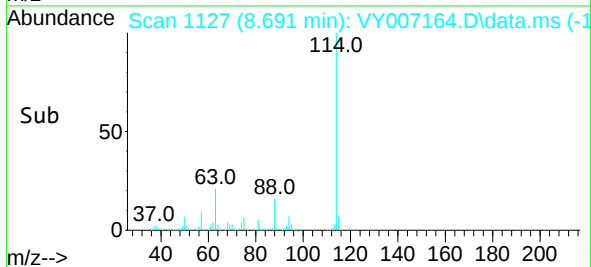
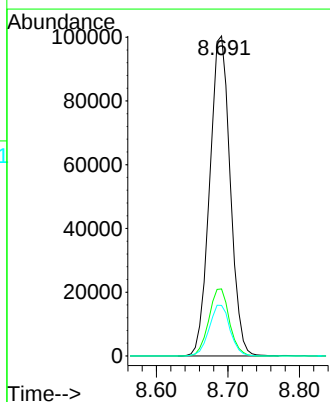
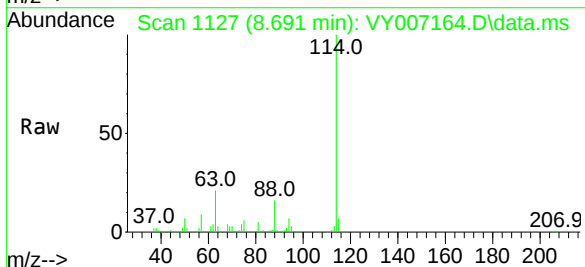
Instrument :
MSVOA_Y
ClientSampleId :

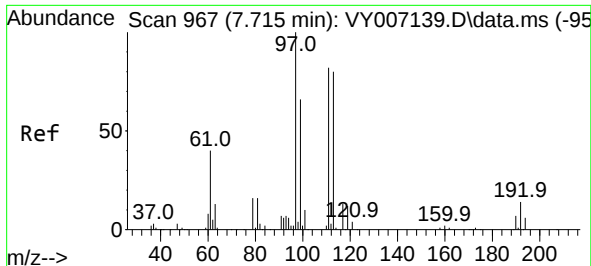
Tgt Ion: 65 Resp: 69837
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 114 Resp: 199843
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.2
88 15.8 0.0 31.0

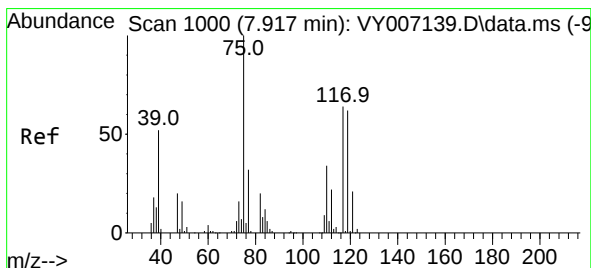
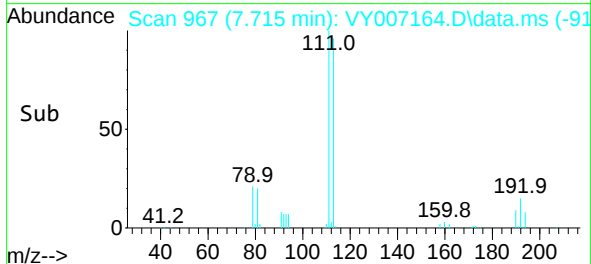
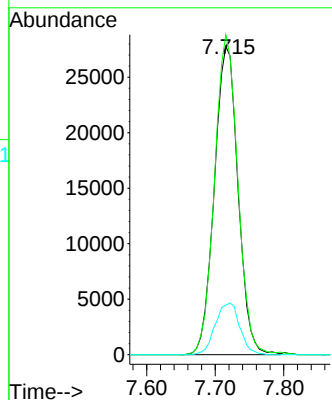
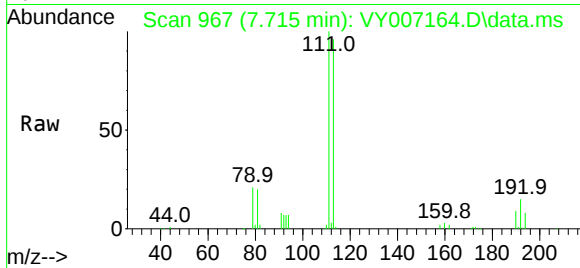




#35
Dibromofluoromethane
Concen: 49.261 ug/l
RT: 7.715 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

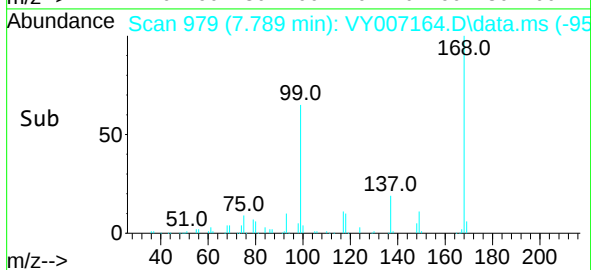
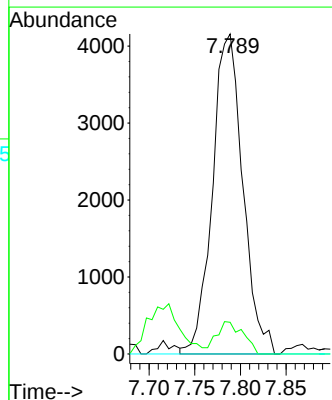
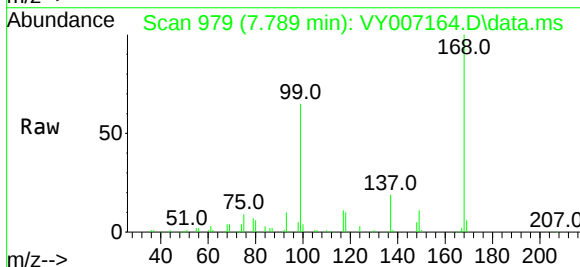
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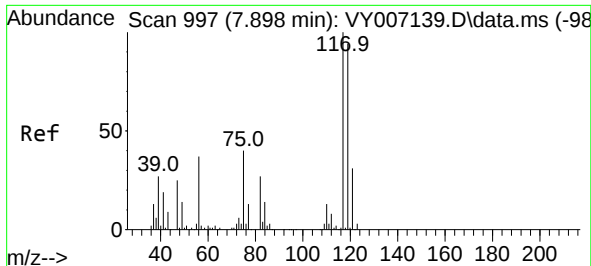
Tgt Ion:113 Resp: 66567
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 17.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.450 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

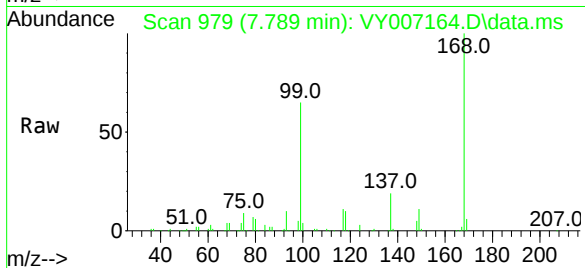
Tgt Ion: 75 Resp: 9604
Ion Ratio Lower Upper
75 100
110 8.9 17.3 51.9#
77 0.0 24.7 37.1#



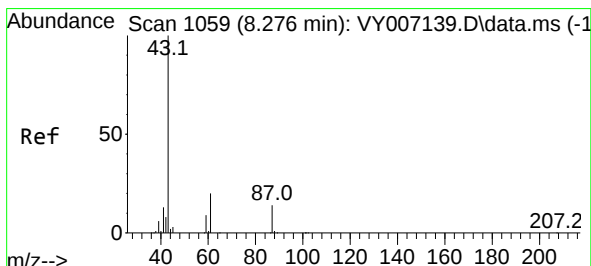
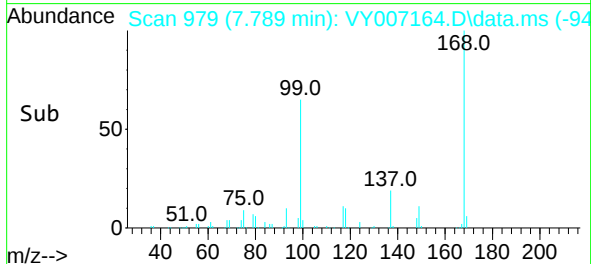
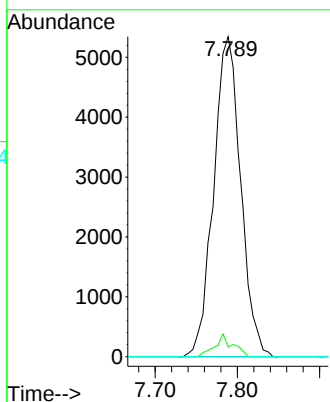


#38
Carbon Tetrachloride
Concen: 5.376 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Instrument :
MSVOA_Y
ClientSampleId :

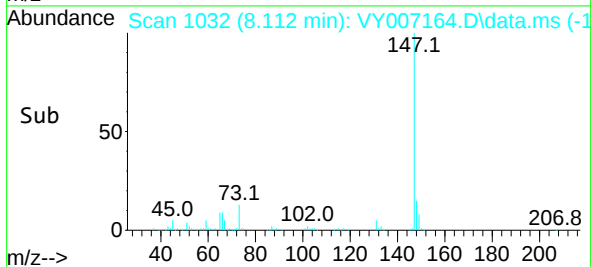
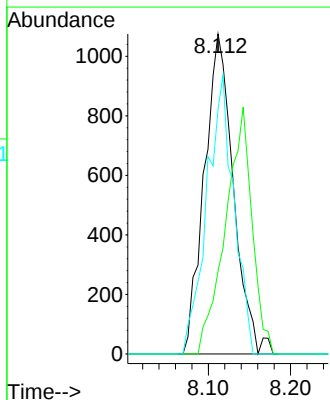
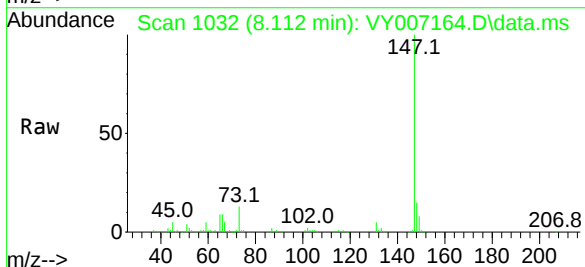


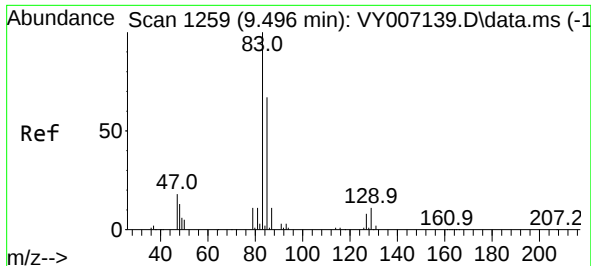
Tgt Ion:117 Resp: 12205
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.227 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.165 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 80.9 11.6 17.4#

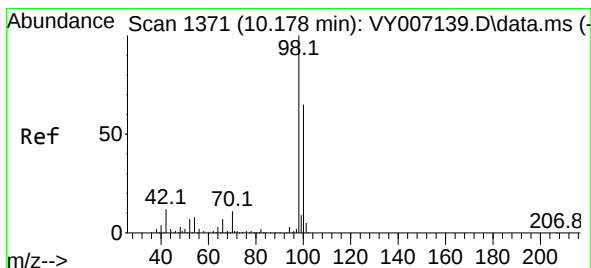
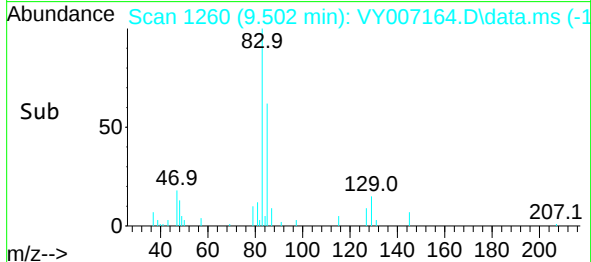
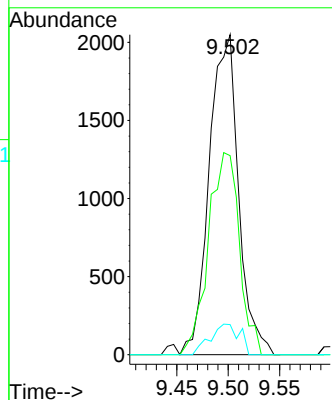
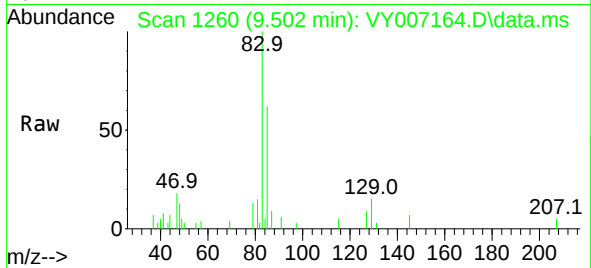




#47
Bromodichloromethane
Concen: 1.906 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

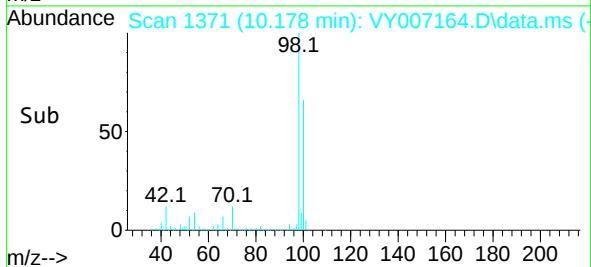
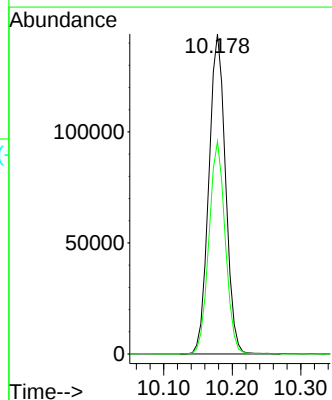
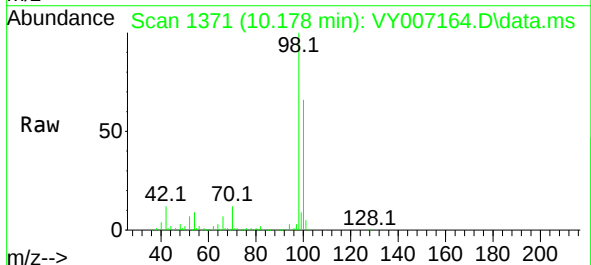
Instrument :
MSVOA_Y
ClientSampleId :

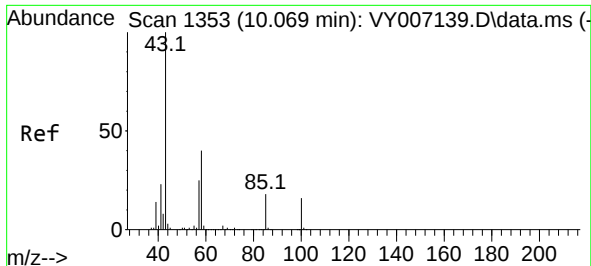
Tgt Ion: 83 Resp: 4056
Ion Ratio Lower Upper
83 100
85 62.2 51.4 77.2
127 9.4 6.5 9.7



#50
Toluene-d8
Concen: 49.482 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 98 Resp: 244321
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2

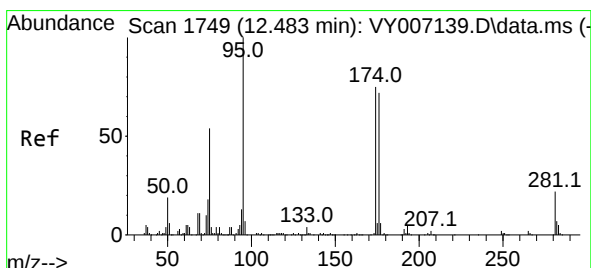
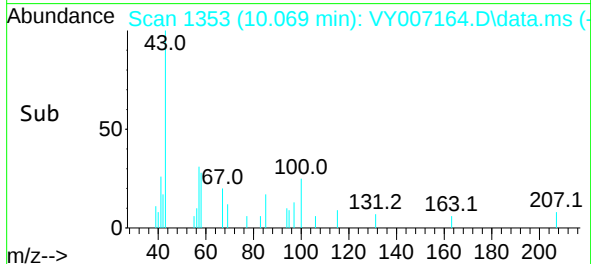
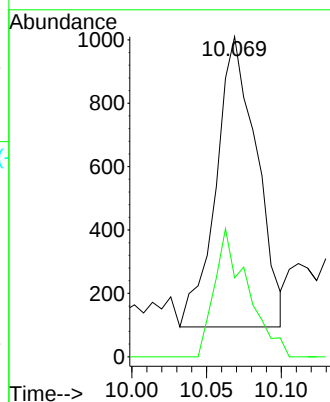
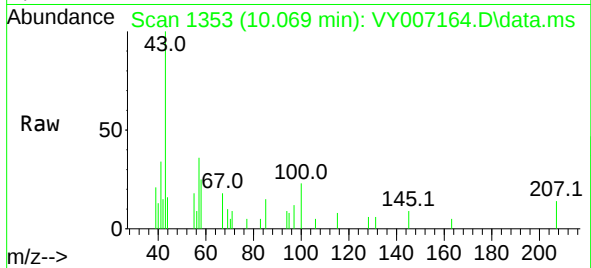




#51
4-Methyl-2-Pentanone
Concen: 1.585 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

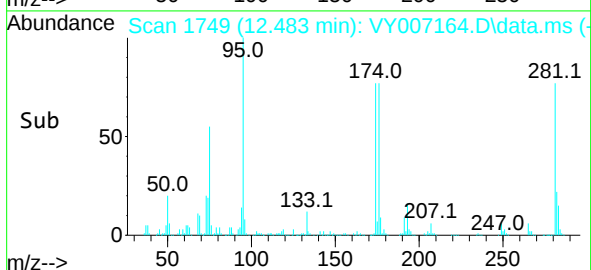
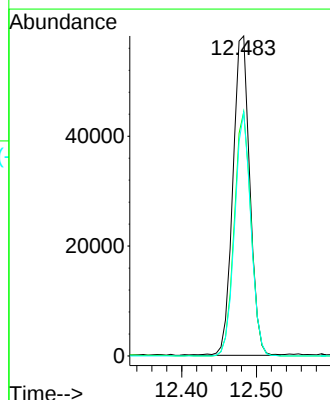
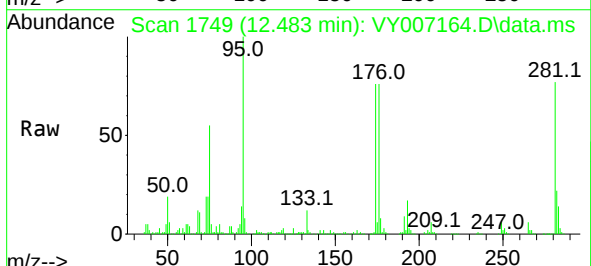
Instrument :
MSVOA_Y
ClientSampleId :

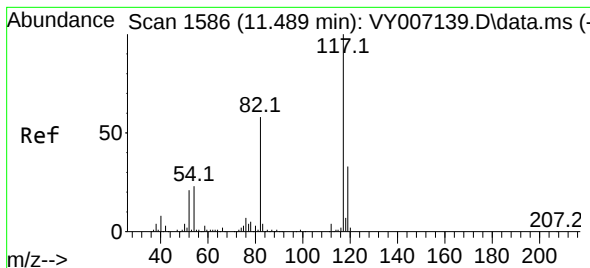
Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
58 36.0 32.8 49.2



#62
4-Bromofluorobenzene
Concen: 52.333 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

Tgt Ion: 95 Resp: 91917
Ion Ratio Lower Upper
95 100
174 74.8 0.0 148.4
176 72.8 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007164.D

Acq: 14 Jan 2022 13:23

Instrument :

MSVOA_Y

ClientSampleId :

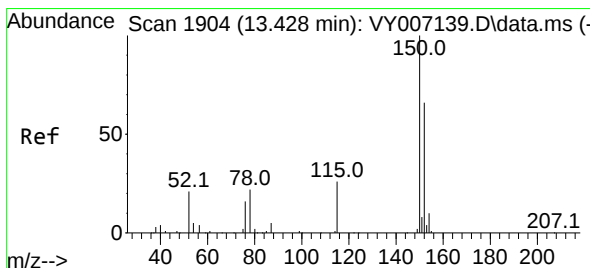
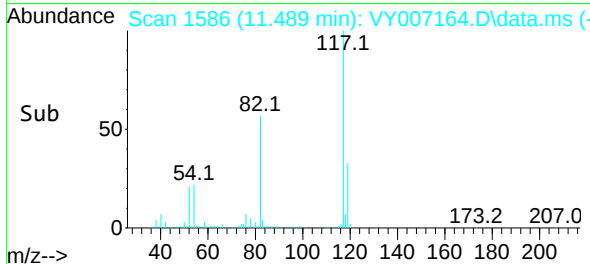
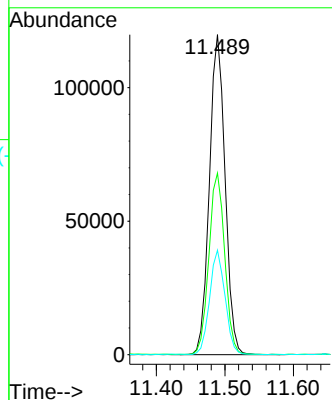
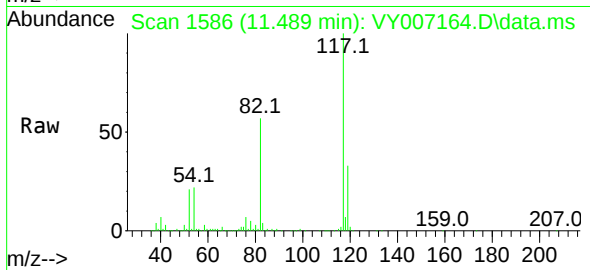
Tgt Ion:117 Resp: 190708

Ion Ratio Lower Upper

117 100

82 56.7 45.4 68.0

119 32.6 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007164.D

Acq: 14 Jan 2022 13:23

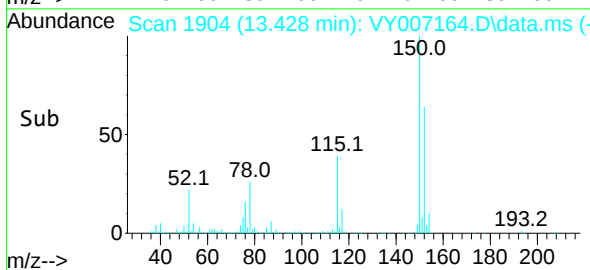
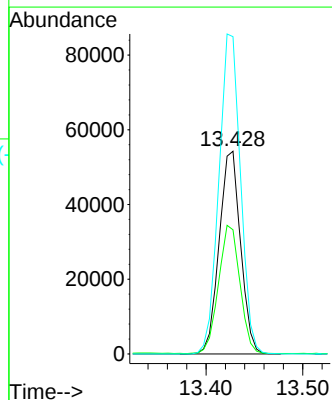
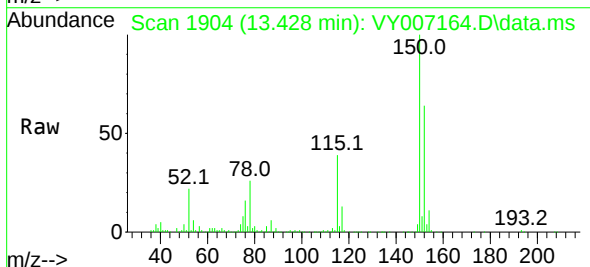
Tgt Ion:152 Resp: 83376

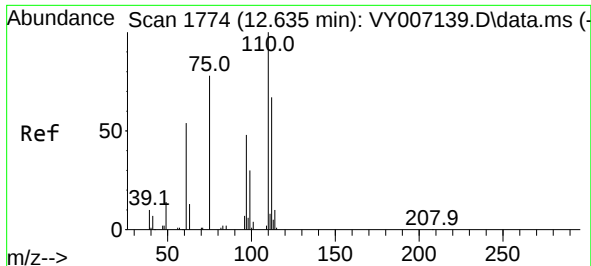
Ion Ratio Lower Upper

152 100

115 63.2 31.4 94.0

150 159.3 0.0 348.4

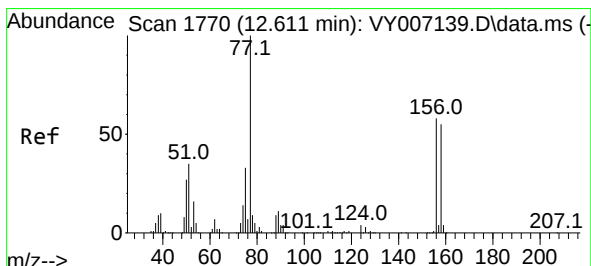
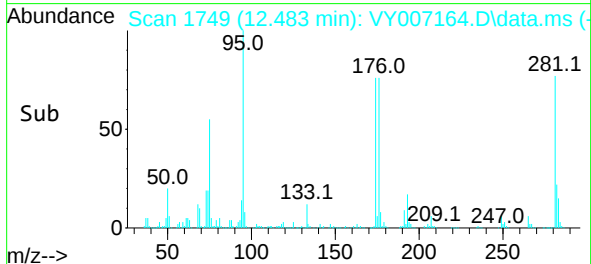
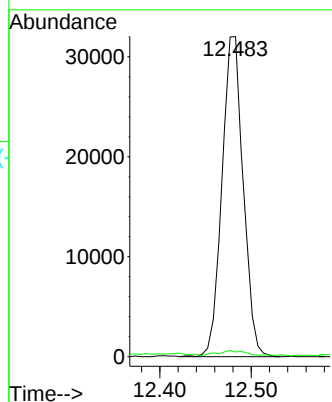
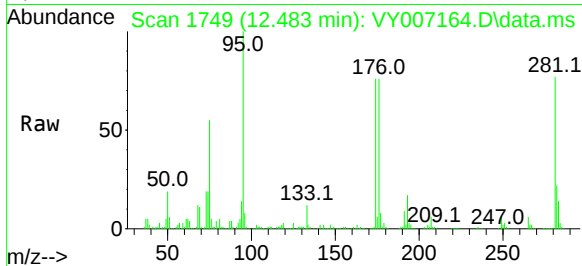




#76
1,2,3-Trichloropropane
Concen: 54.473 ug/l
RT: 12.483 min Scan# 1731
Delta R.T. -0.152 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

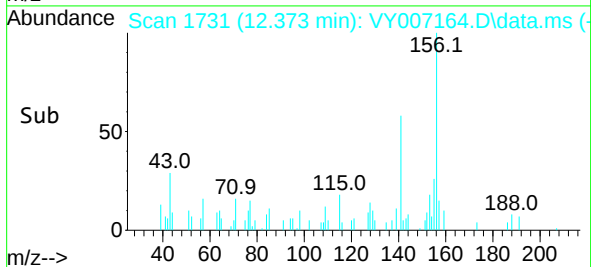
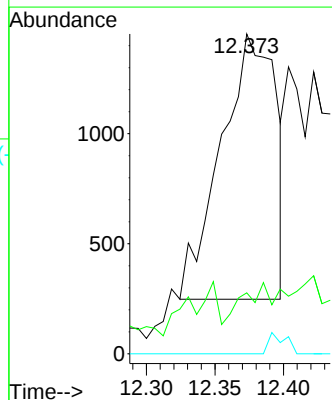
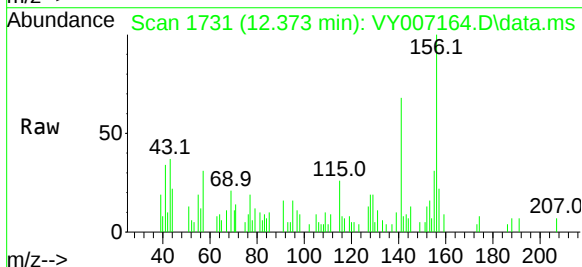
Instrument :
MSVOA_Y
ClientSampleId :

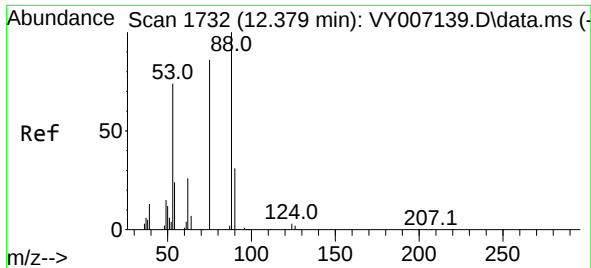
Tgt Ion: 75 Resp: 51788
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#77
Bromobenzene
Concen: 2.132 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. -0.238 min
Lab File: VY007164.D
Acq: 14 Jan 2022 13:23

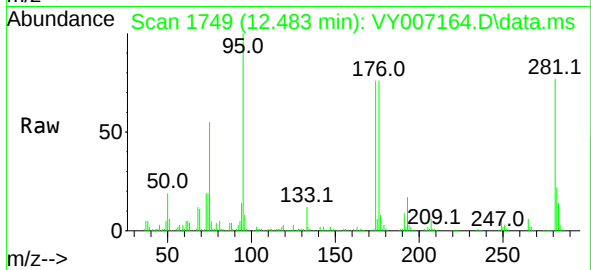
Tgt Ion: 156 Resp: 3340
Ion Ratio Lower Upper
156 100
77 2.4 98.7 296.1#
158 2.5 48.4 145.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.725 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY007164.D
 Acq: 14 Jan 2022 13:23

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 51788
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 1.7 0.0 0.0#

