

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051322\
 Data File : VY008743.D
 Acq On : 13 May 2022 12:48
 Operator : KP/MD
 Sample : VY0513SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBL01

Quant Time: May 16 05:50:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051222S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 13 02:08:33 2022
 Response via : Initial Calibration

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

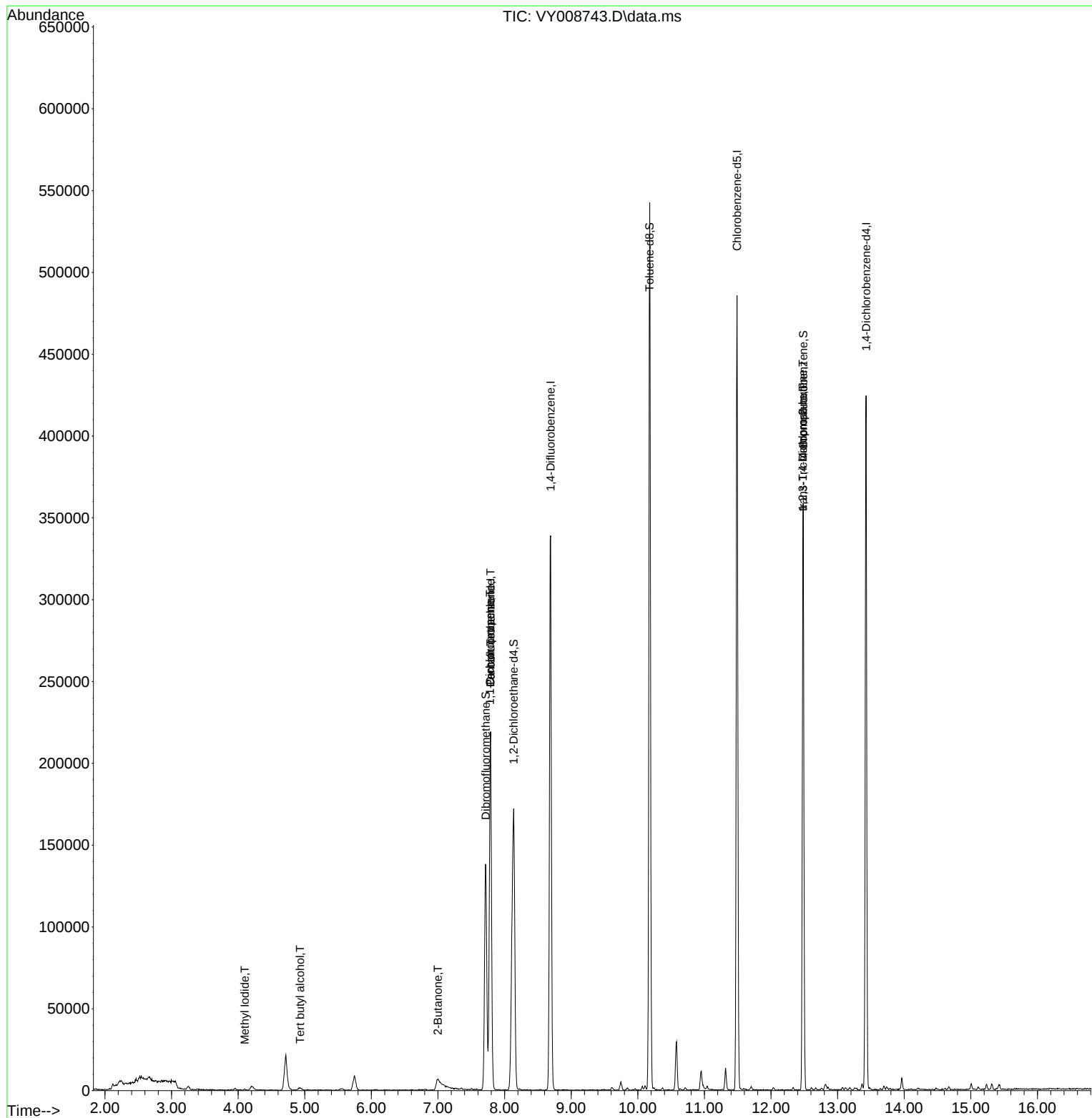
Internal Standards						
1) Pentafluorobenzene	7.789	168	167154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	293628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	261298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	98614	59.239	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.480%	
35) Dibromofluoromethane	7.716	113	94521	53.634	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.260%	
50) Toluene-d8	10.179	98	352581	53.050	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.100%	
62) 4-Bromofluorobenzene	12.483	95	98416	42.740	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.480%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	138	Below Cal	#	42
3) Chloromethane	2.113	50	794	Below Cal	#	79
4) Vinyl Chloride	2.253	62	407	Below Cal	#	41
5) Bromomethane	2.674	94	1999	Below Cal	#	61
6) Chloroethane	2.881	64	24	Below Cal	#	42
10) Methyl Iodide	4.101	142	981	1.032	ug/l #	66
11) Tert butyl alcohol	4.930	59	1441	3.717	ug/l #	76
18) Methyl Acetate	4.479	43	21	Below Cal	#	49
20) Methylene Chloride	4.716	84	15025	Below Cal		97
25) 2-Butanone	6.996	43	840	1.423	ug/l	93
31) Cyclohexane	7.789	56	3570	Below Cal	#	21
36) 1,1-Dichloropropene	7.783	75	13533	4.803	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17261	5.805	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	56850	54.660	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56850	105.598	ug/l #	16

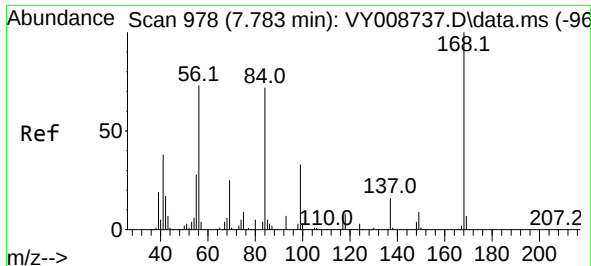
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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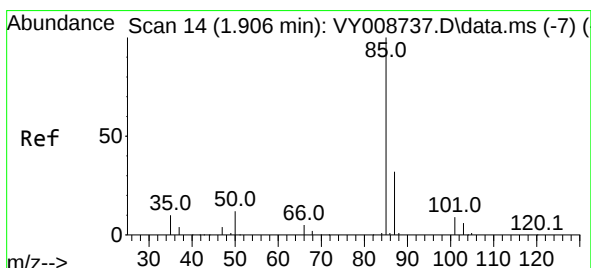
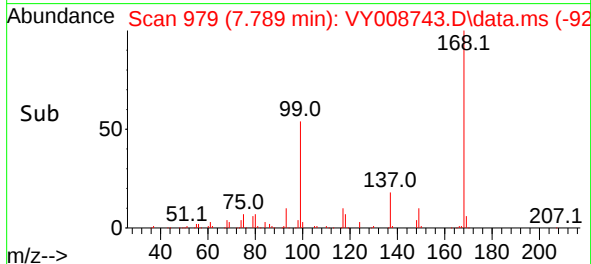
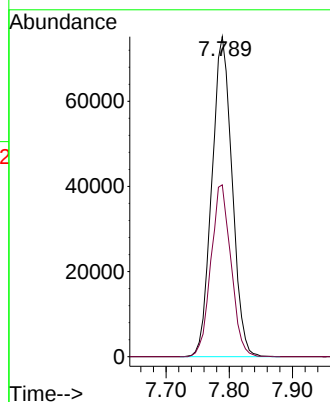
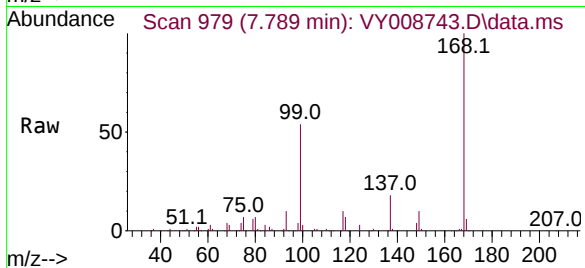




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

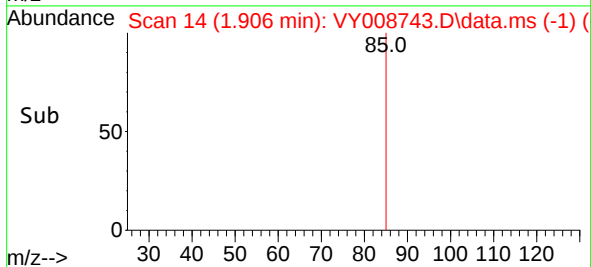
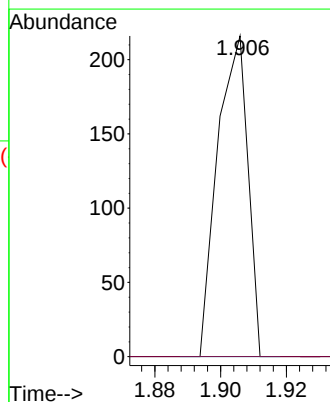
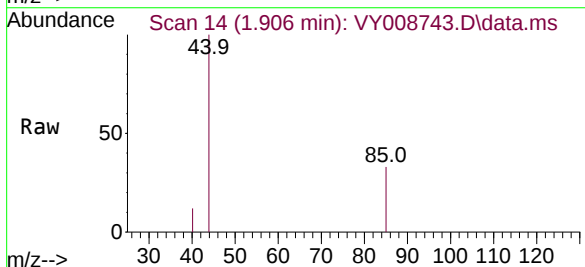
Instrument :
MSVOA_Y
ClientSampleId :
VY0513SBL01

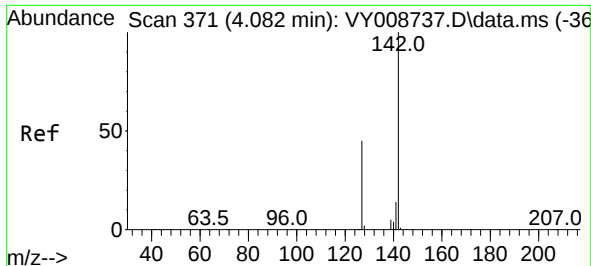
Tgt Ion:168 Resp: 167154
Ion Ratio Lower Upper
168 100
99 53.7 42.3 63.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

Tgt Ion: 85 Resp: 138
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

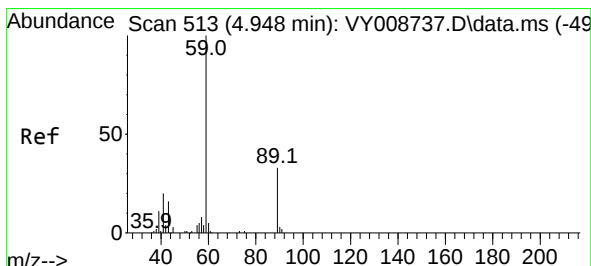
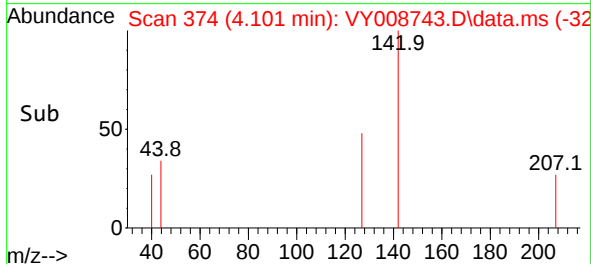
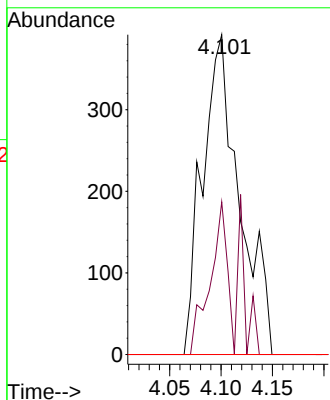
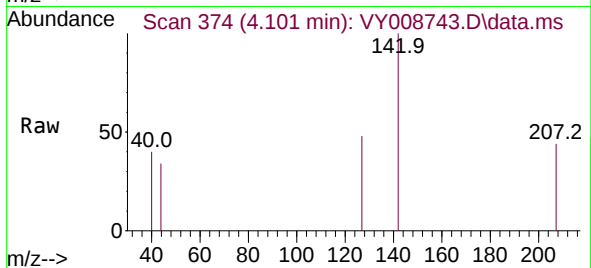




#10
Methyl Iodide
Concen: 1.032 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

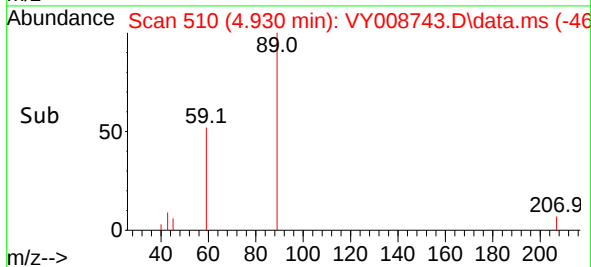
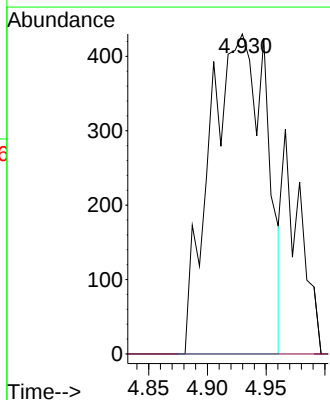
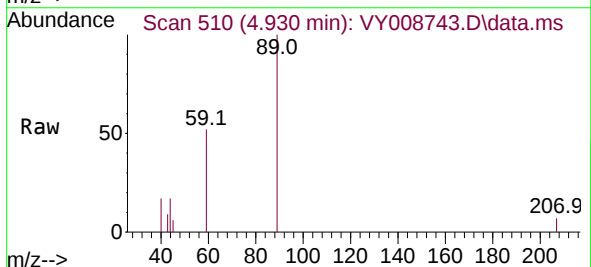
Instrument :
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ClientSampleId :
VY0513SBL01

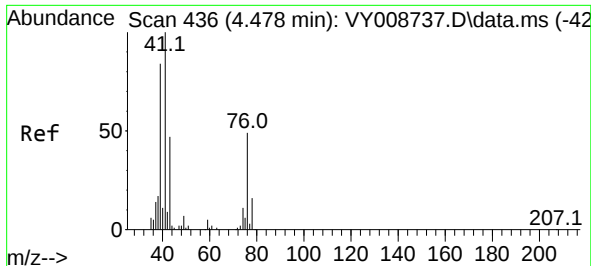
Tgt Ion:142 Resp: 981
Ion Ratio Lower Upper
142 100
127 22.4 35.4 53.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 3.717 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

Tgt Ion: 59 Resp: 1441
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

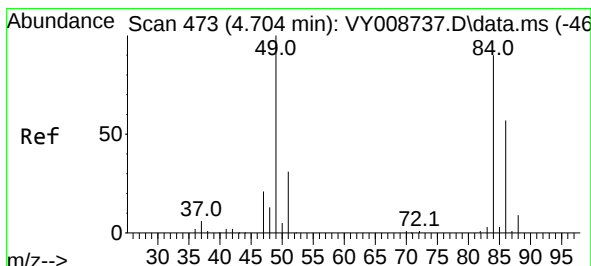
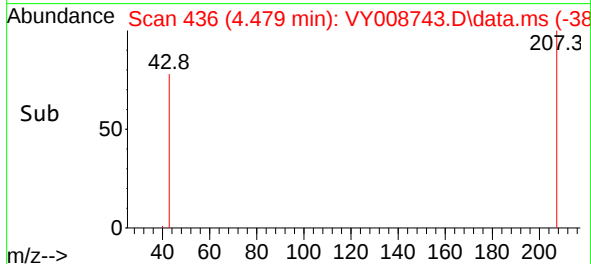
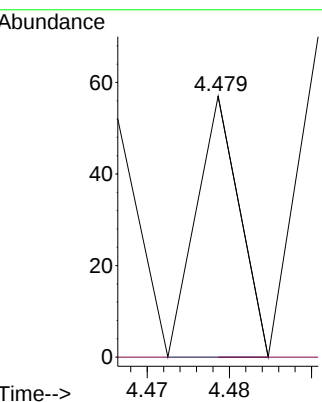
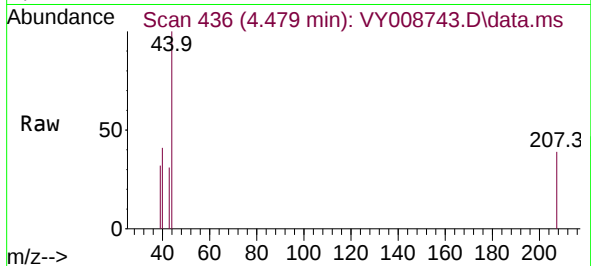




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. 0.001 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

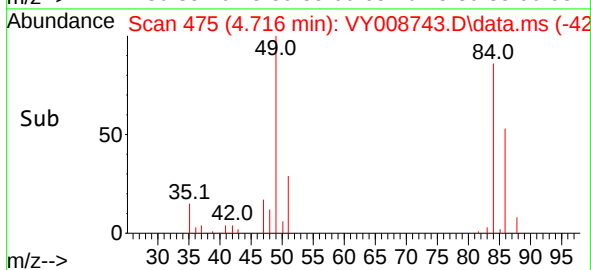
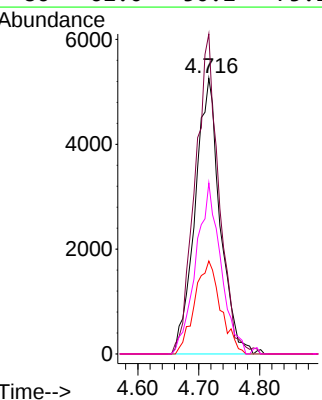
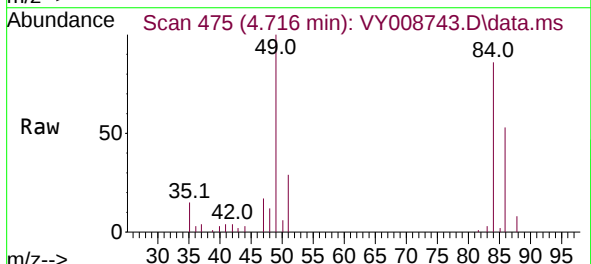
Instrument :
MSVOA_Y
ClientSampleId :
VY0513SBL01

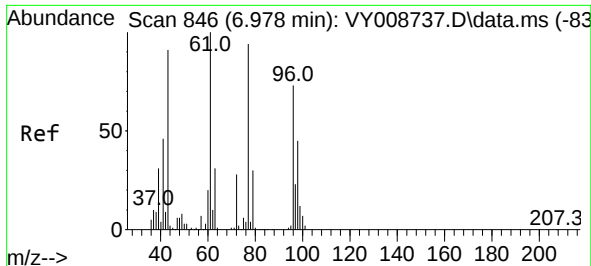
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 20.6 31.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

Tgt Ion: 84 Resp: 15025
Ion Ratio Lower Upper
84 100
49 116.0 88.6 133.0
51 33.7 27.4 41.0
86 62.0 50.2 75.2

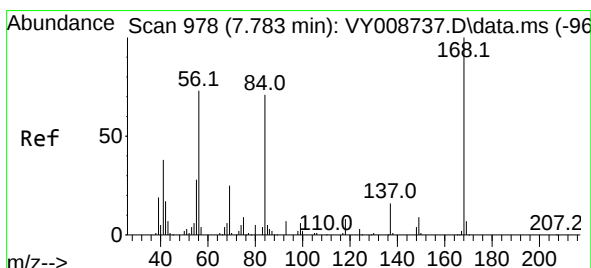
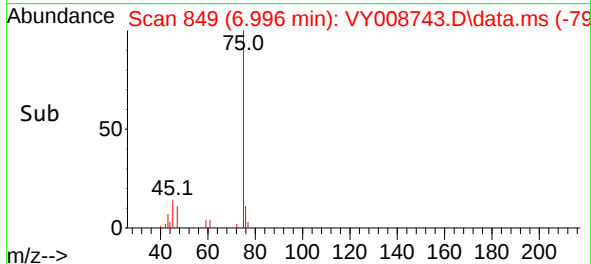
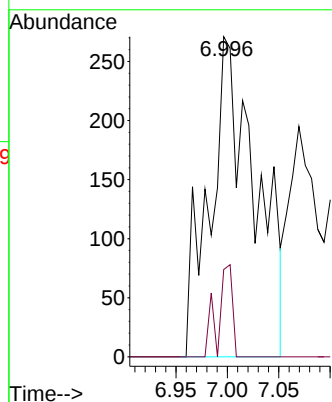
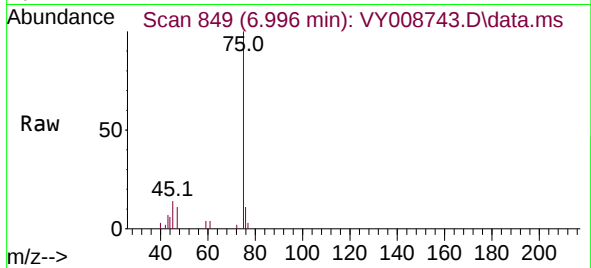




#25
2-Butanone
Concen: 1.423 ug/l
RT: 6.996 min Scan# 846
Delta R.T. 0.018 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

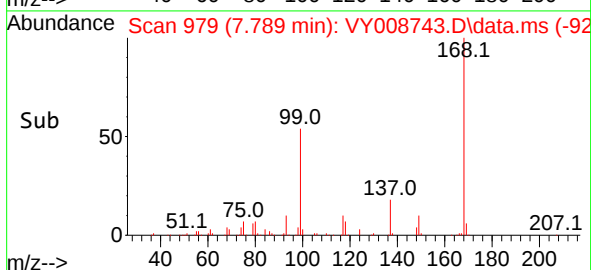
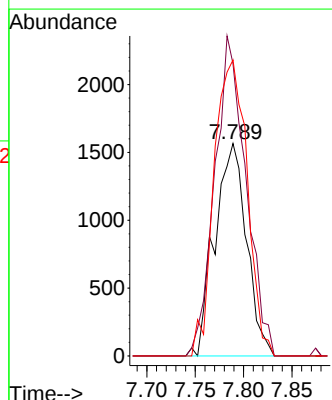
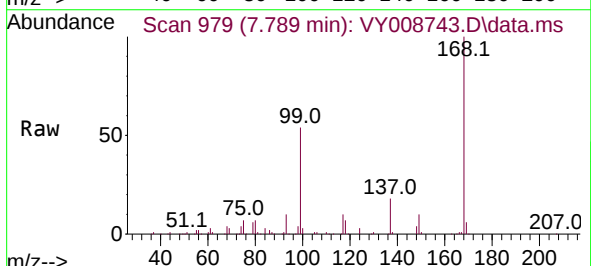
Instrument :
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ClientSampleId :
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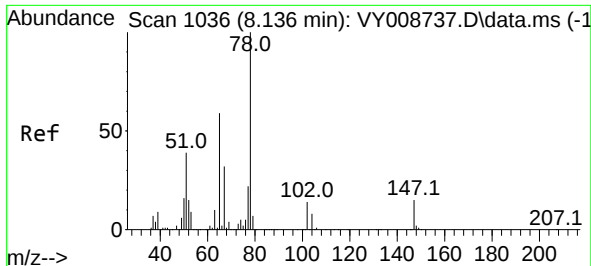
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
72 27.3 25.0 37.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

Tgt Ion: 56 Resp: 3570
Ion Ratio Lower Upper
56 100
69 137.5 27.4 41.0#
84 139.3 77.5 116.3#

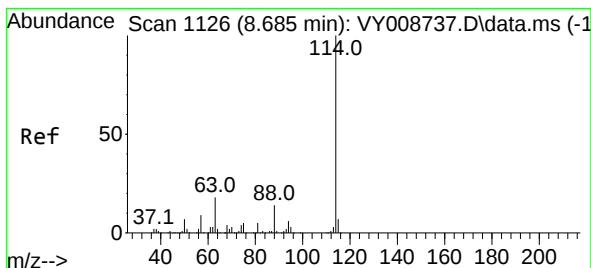
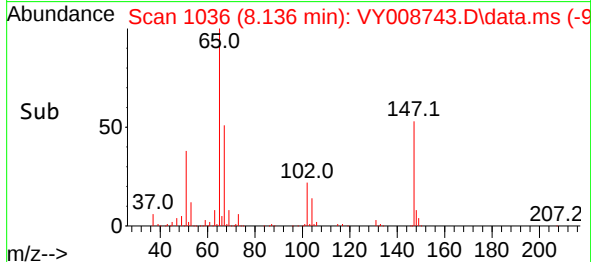
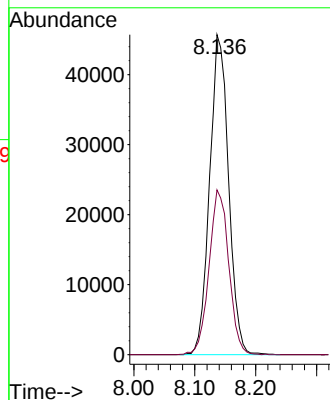
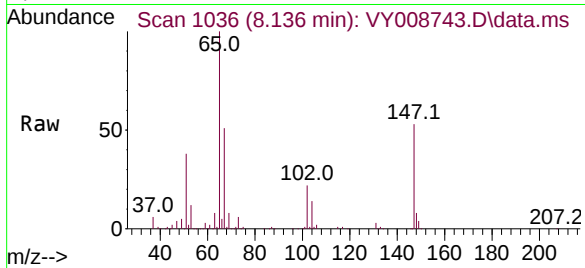




#33
 1,2-Dichloroethane-d4
 Concen: 59.239 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

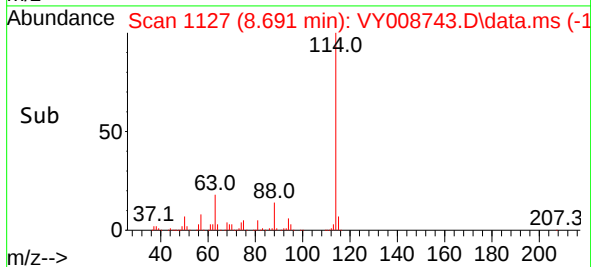
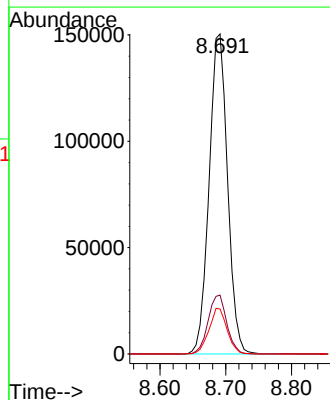
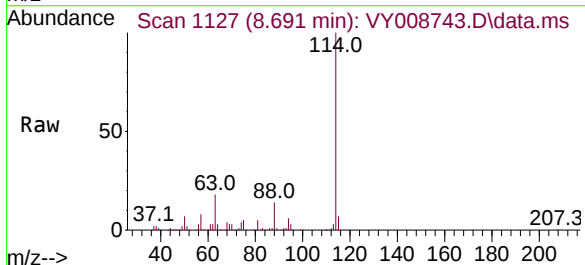
Instrument :
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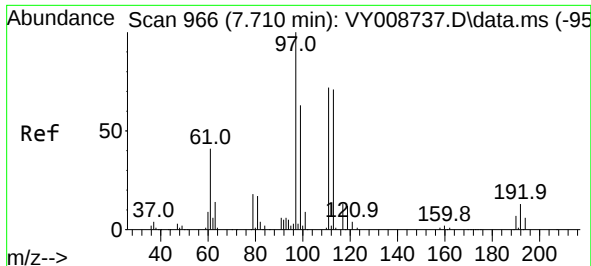
Tgt Ion: 65 Resp: 98614
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

Tgt Ion: 114 Resp: 293628
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.4
 88 14.1 0.0 27.4

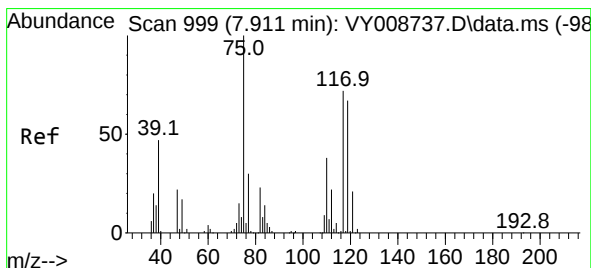
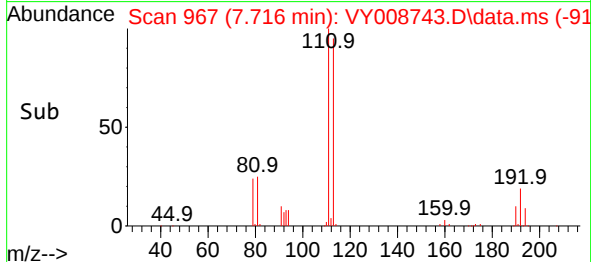
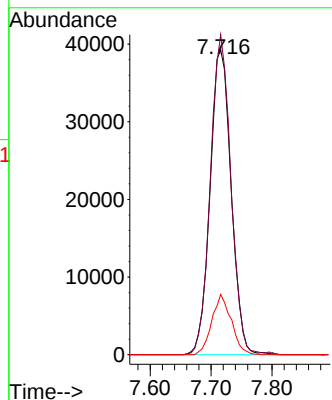
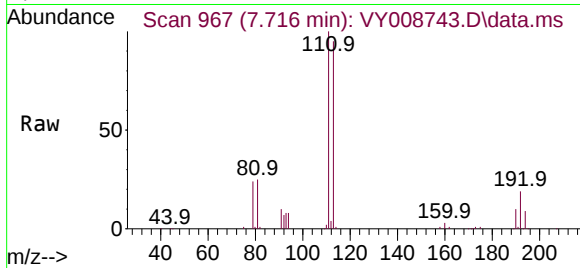




#35
 Dibromofluoromethane
 Concen: 53.634 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

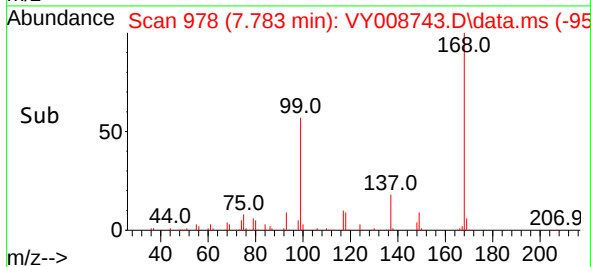
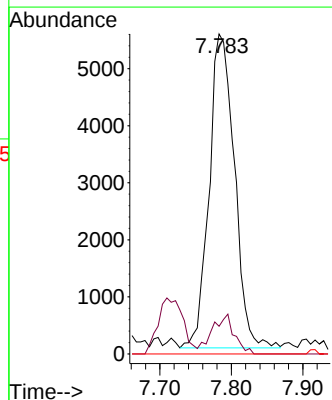
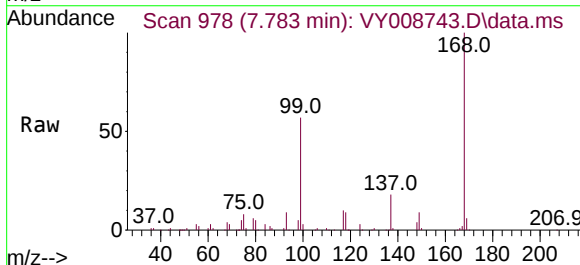
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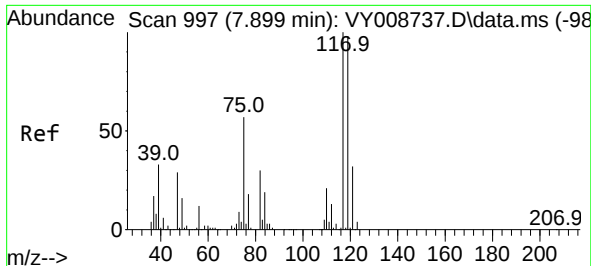
Tgt Ion:113 Resp: 94521
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.8 122.6
 192 18.2 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 4.803 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

Tgt Ion: 75 Resp: 13533
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.1 54.1#
 77 0.0 24.3 36.5#

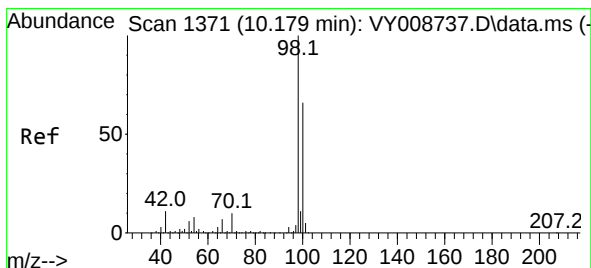
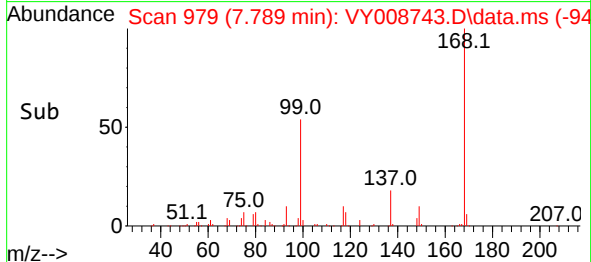
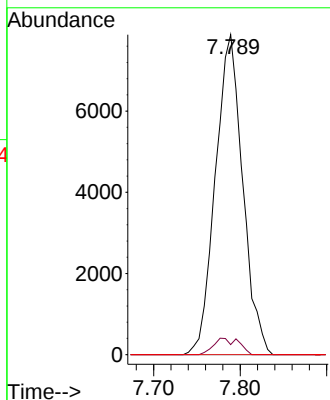
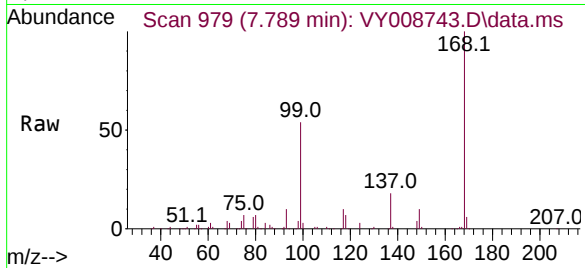




#38
Carbon Tetrachloride
Concen: 5.805 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

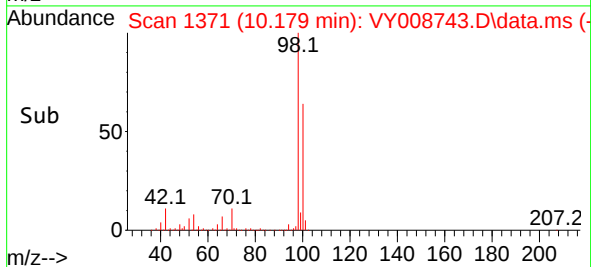
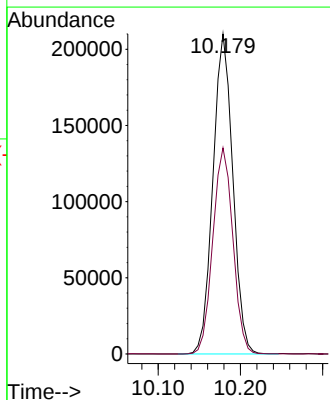
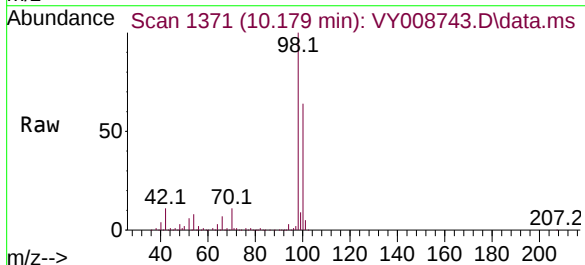
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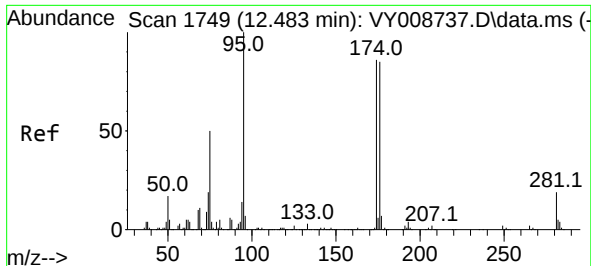
Tgt Ion:117 Resp: 17261
Ion Ratio Lower Upper
117 100
119 3.2 78.5 117.7#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 53.050 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008743.D
Acq: 13 May 2022 12:48

Tgt Ion: 98 Resp: 352581
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 42.740 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008743.D

Acq: 13 May 2022 12:48

Instrument :

MSVOA_Y

ClientSampleId :

VY0513SBL01

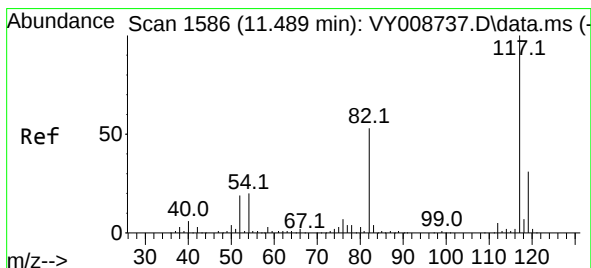
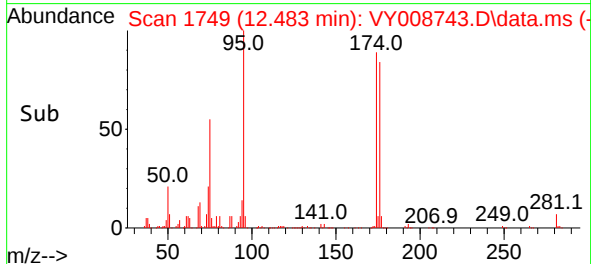
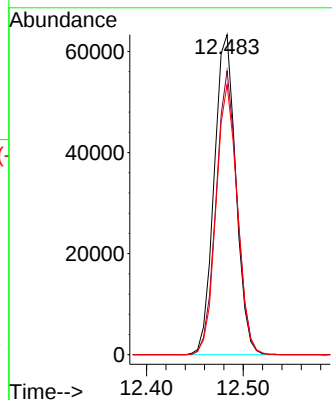
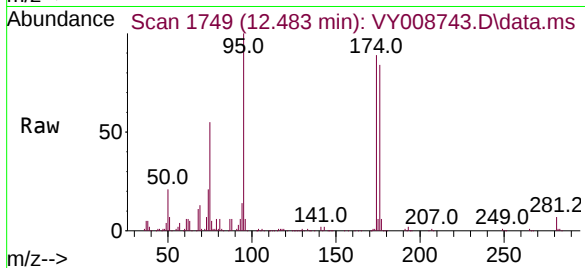
Tgt Ion: 95 Resp: 98416

Ion Ratio Lower Upper

95 100

174 86.2 0.0 171.2

176 82.9 0.0 168.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY008743.D

Acq: 13 May 2022 12:48

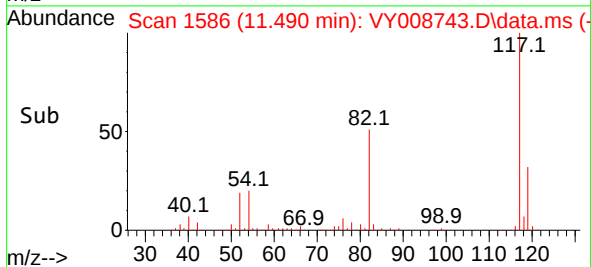
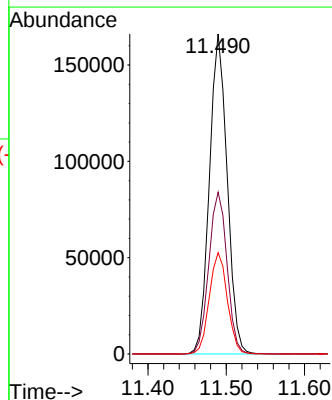
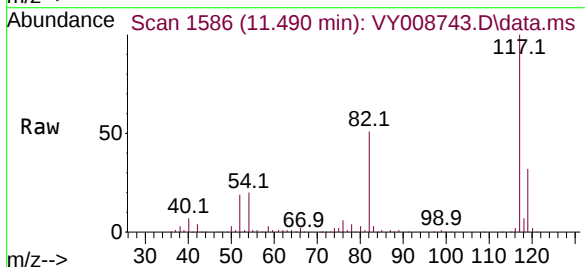
Tgt Ion: 117 Resp: 261298

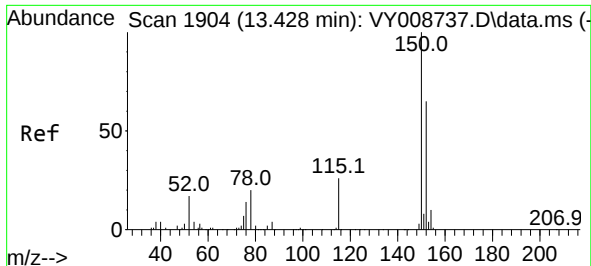
Ion Ratio Lower Upper

117 100

82 50.6 42.3 63.5

119 31.7 24.6 37.0

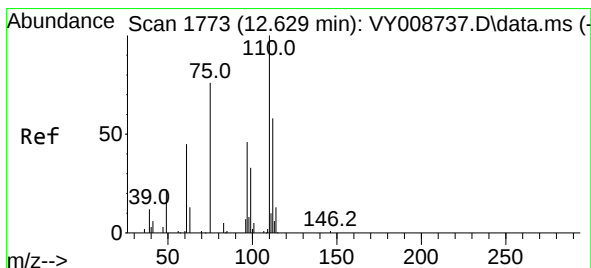
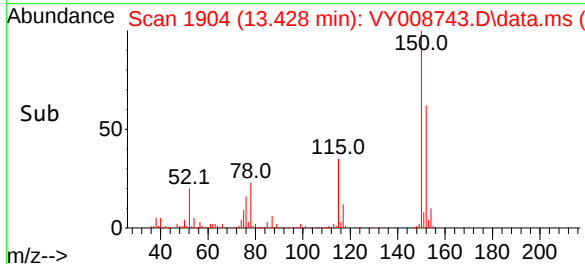
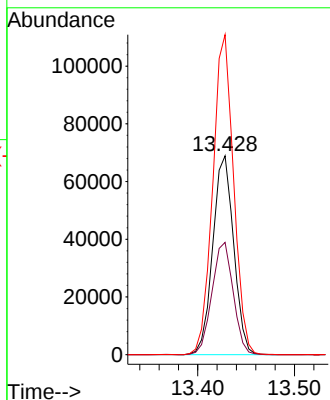
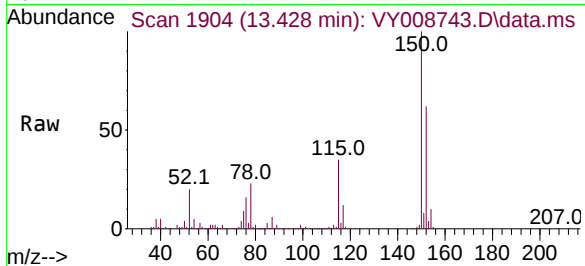




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

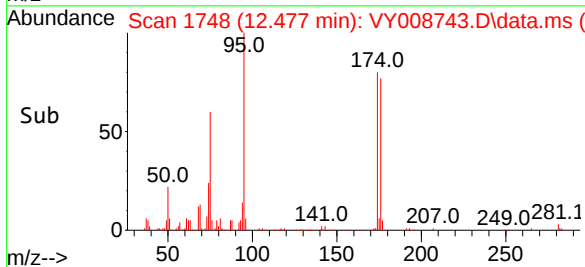
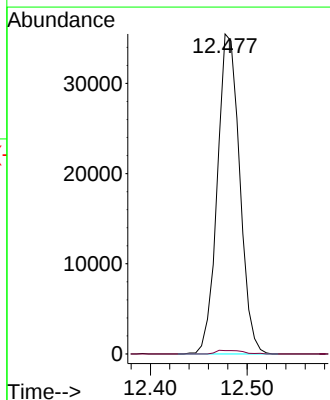
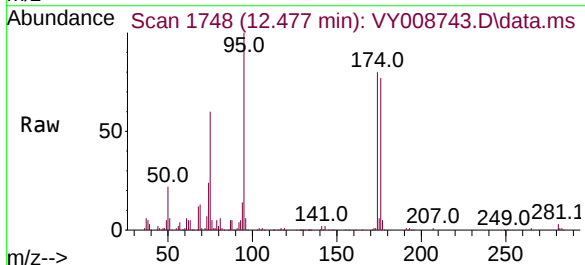
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBL01

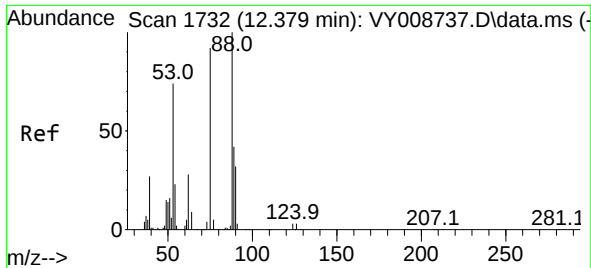
Tgt Ion:152 Resp: 103357
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.7
 150 160.2 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 54.660 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

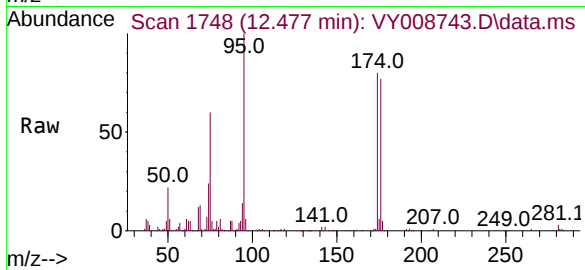
Tgt Ion: 75 Resp: 56850
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.598 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY008743.D
 Acq: 13 May 2022 12:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0513SBL01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.3	99.5#
89	0.2	36.8	55.2#

