

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011771.D
 Acq On : 12 Dec 2022 15:11
 Operator : KP/MD
 Sample : N5963-07
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200014-RB21197

Quant Time: Dec 13 00:19:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

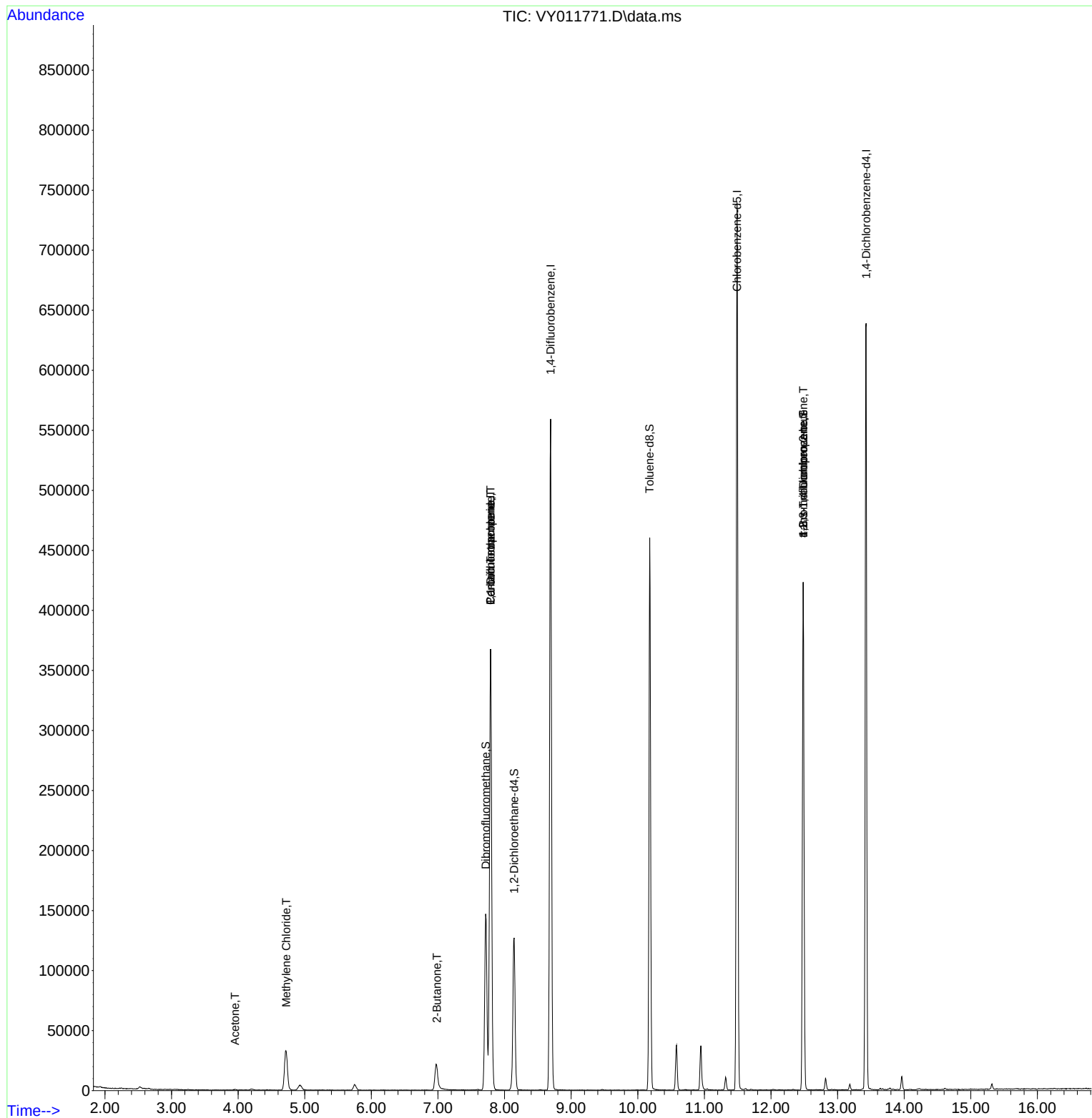
Internal Standards						
1) Pentafluorobenzene	7.789	168	283088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	472324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	403319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	99833	51.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.720%			
35) Dibromofluoromethane	7.716	113	103707	49.370	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.740%			
50) Toluene-d8	10.179	98	300505	42.709	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 85.420%			
62) 4-Bromofluorobenzene	12.483	95	109422	38.949	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	84	Below Cal	#	41
3) Chloromethane	2.119	50	139	Below Cal	#	41
4) Vinyl Chloride	2.510	62	29	Below Cal	#	43
5) Bromomethane	2.668	94	106	Below Cal	#	39
11) Tert butyl alcohol	4.918	59	4711	Below Cal	#	74
16) Acetone	3.954	43	898	1.162	ug/l	96
18) Methyl Acetate	4.473	43	136	Below Cal	#	50
20) Methylene Chloride	4.723	84	26157	4.115	ug/l	92
25) 2-Butanone	6.984	43	1237	1.244	ug/l #	71
31) Cyclohexane	7.789	56	5709	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21196	5.914	ug/l #	49
38) Carbon Tetrachloride	7.789	117	28801	6.841	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	58742	34.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58742	78.778	ug/l #	13

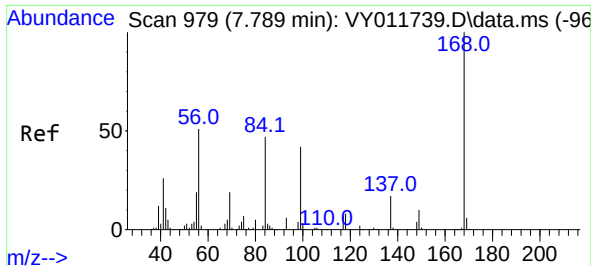
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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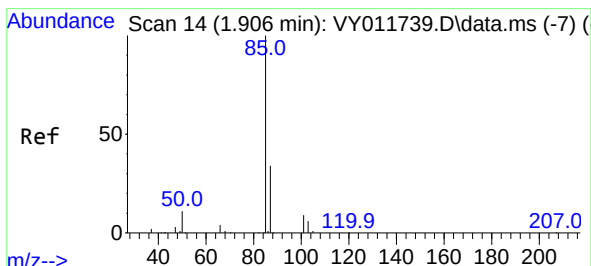
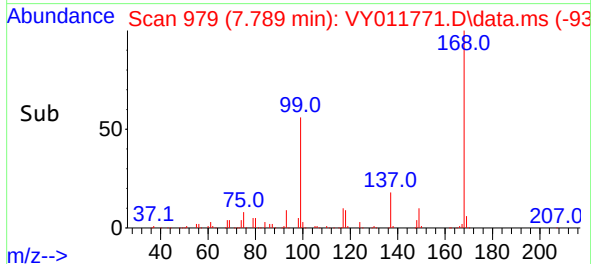
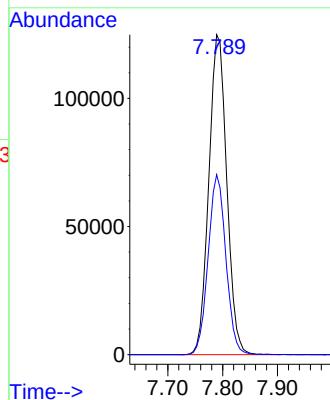
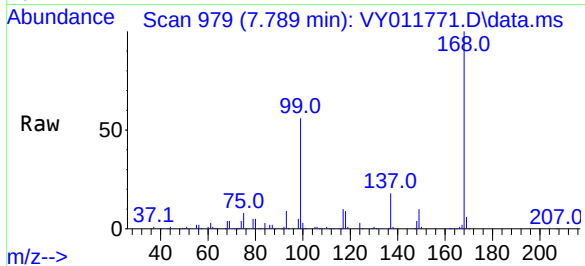




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

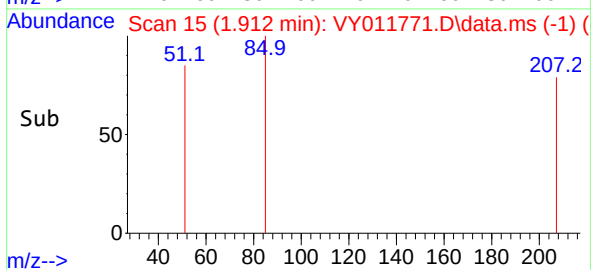
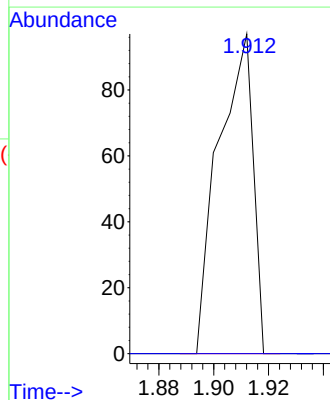
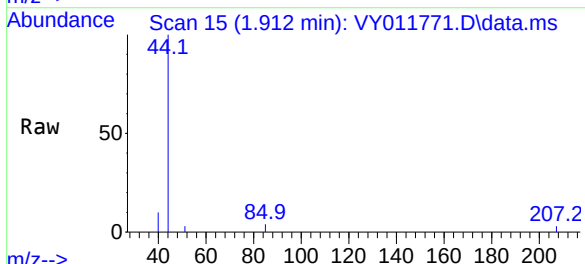
Instrument :
MSVOA_Y
ClientSampleId :
RBR200014-RB21197

Tgt Ion:168 Resp: 283088
Ion Ratio Lower Upper
168 100
99 56.3 44.0 66.0

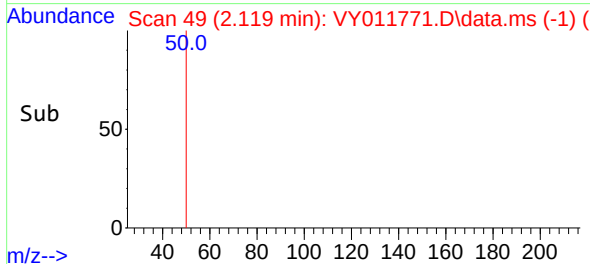
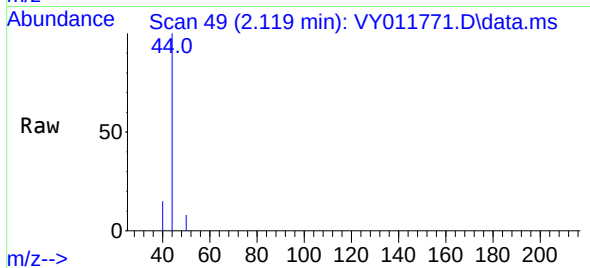
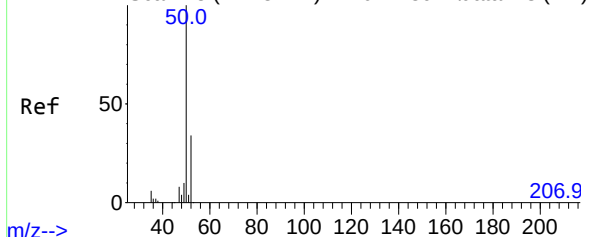


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Tgt Ion: 85 Resp: 84
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011771.D

Acq: 12 Dec 2022 15:11

Instrument :

MSVOA_Y

ClientSampleId :

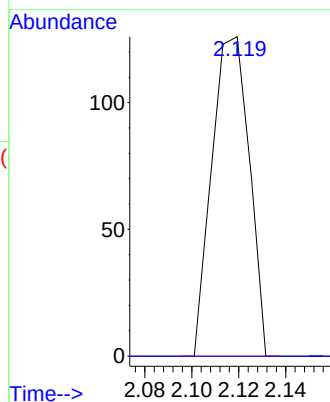
RBR200014-RB21197

Tgt Ion: 50 Resp: 139

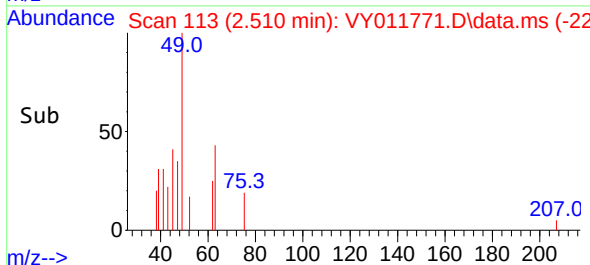
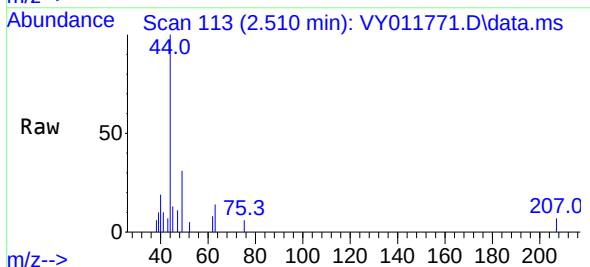
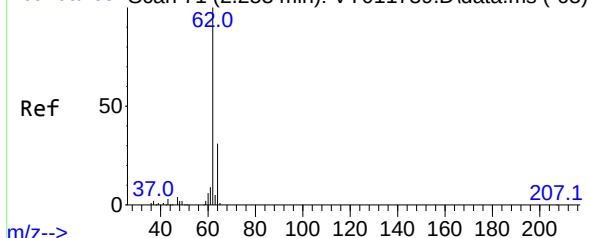
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.510 min Scan# 113

Delta R.T. 0.256 min

Lab File: VY011771.D

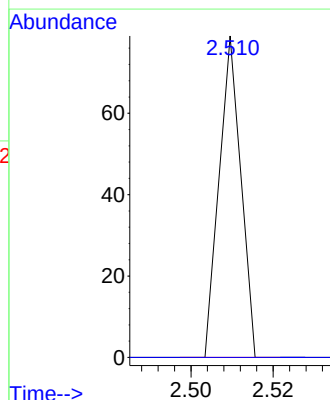
Acq: 12 Dec 2022 15:11

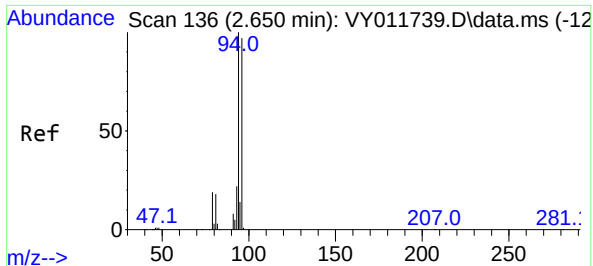
Tgt Ion: 62 Resp: 29

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

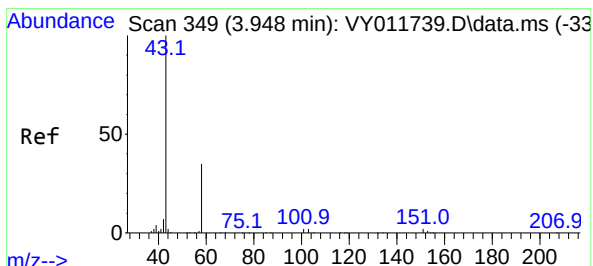
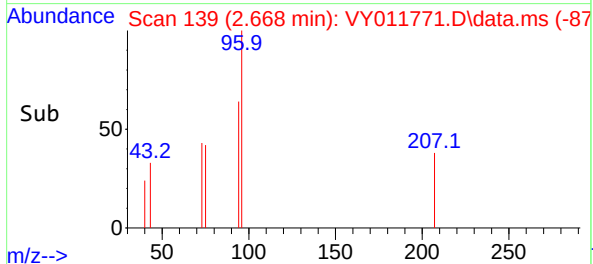
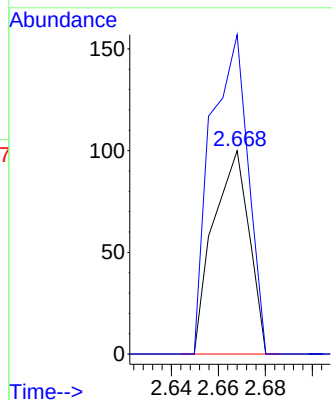
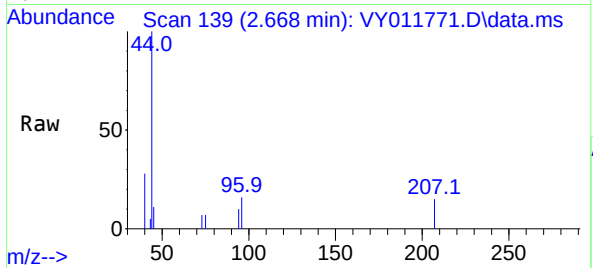




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

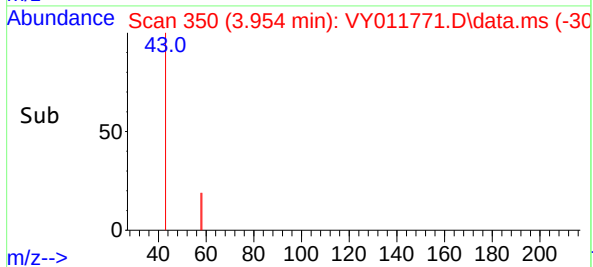
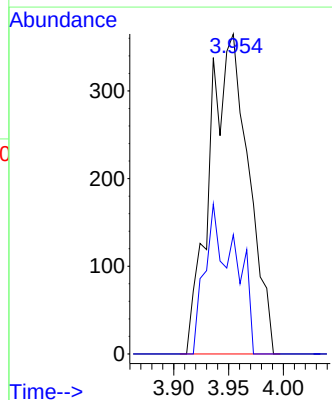
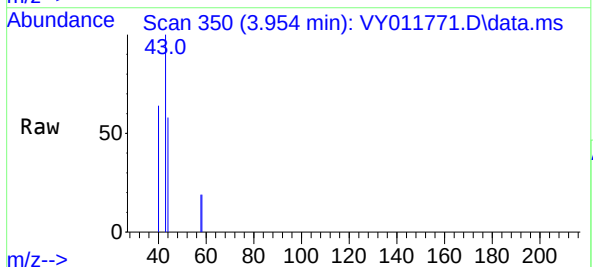
Instrument :
MSVOA_Y
ClientSampleId :
RBR200014-RB21197

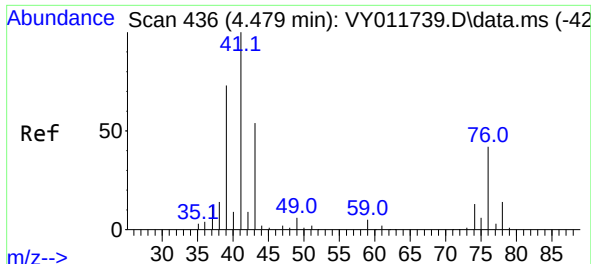
Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 157.0 77.4 116.2#



#16
Acetone
Concen: 1.162 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
58 37.3 27.9 41.9

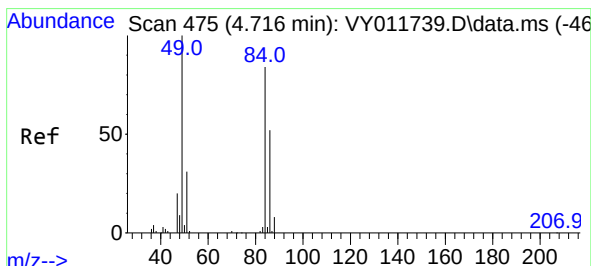
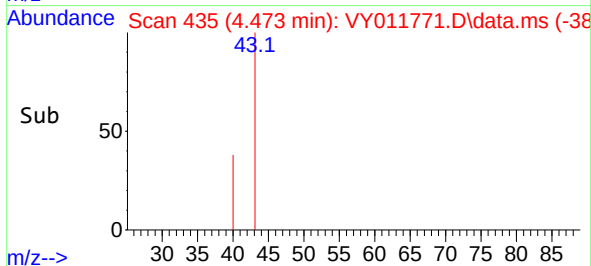
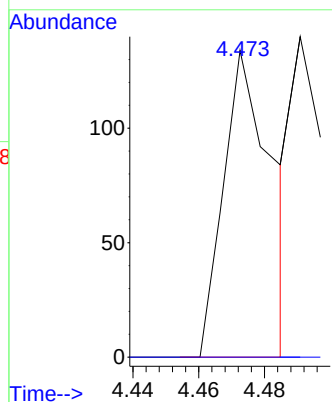
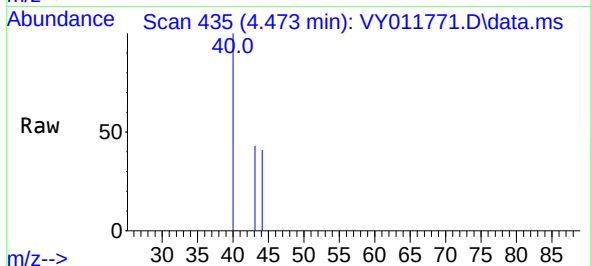




#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

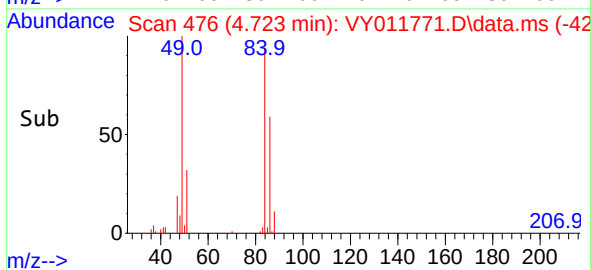
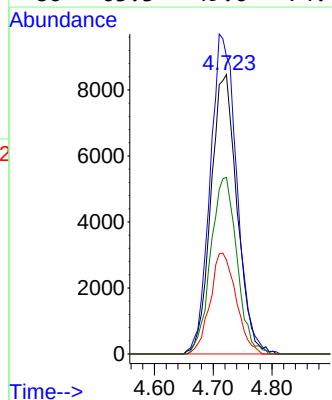
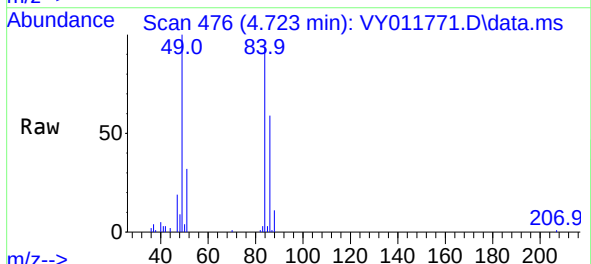
Instrument :
MSVOA_Y
ClientSampleId :
RBR200014-RB21197

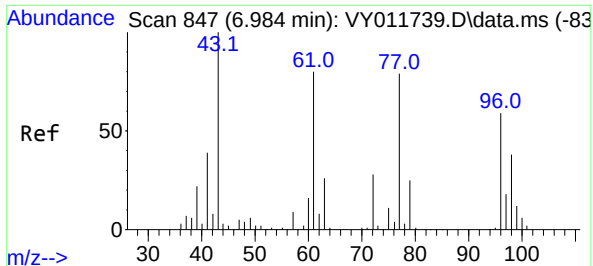
Tgt Ion: 43 Resp: 136
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 4.115 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Tgt Ion: 84 Resp: 26157
Ion Ratio Lower Upper
84 100
49 106.5 95.4 143.2
51 33.6 29.9 44.9
86 63.3 49.6 74.4

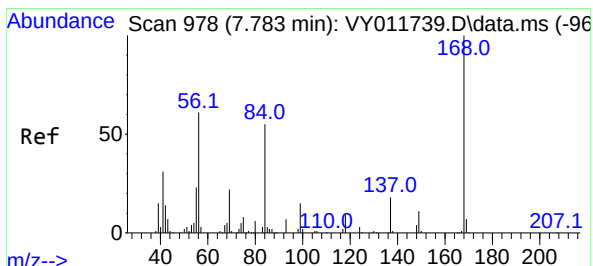
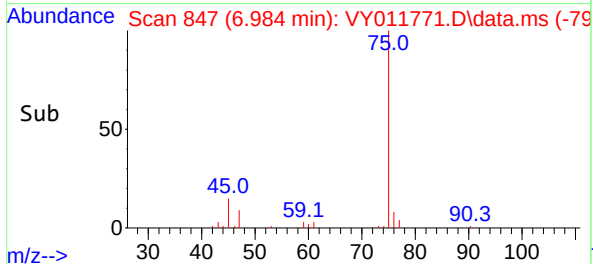
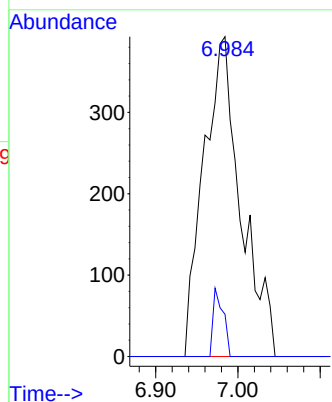
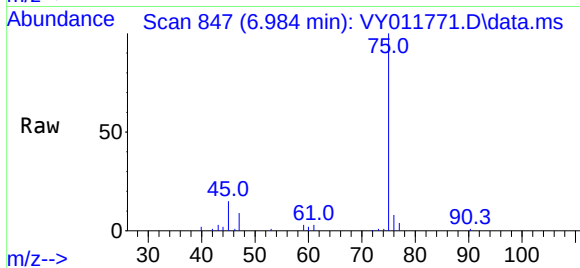




#25
2-Butanone
Concen: 1.244 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

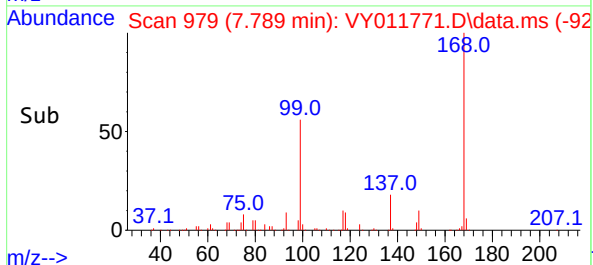
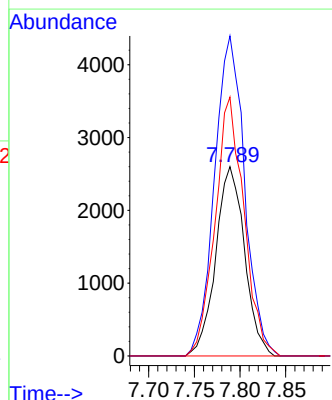
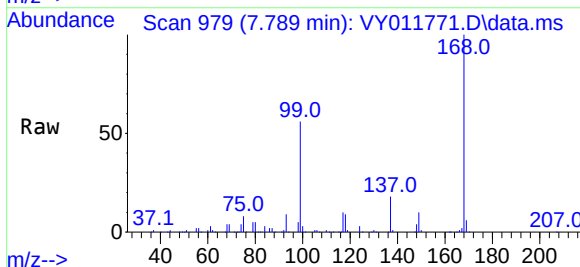
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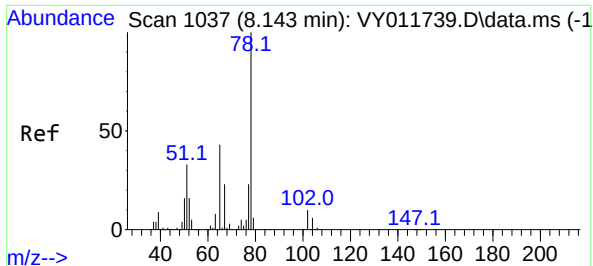
Tgt Ion: 43 Resp: 1237
Ion Ratio Lower Upper
43 100
72 13.2 22.6 34.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Tgt Ion: 56 Resp: 5709
Ion Ratio Lower Upper
56 100
69 169.1 29.2 43.8#
84 136.8 72.6 108.8#

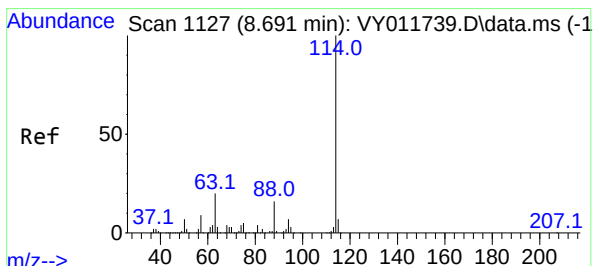
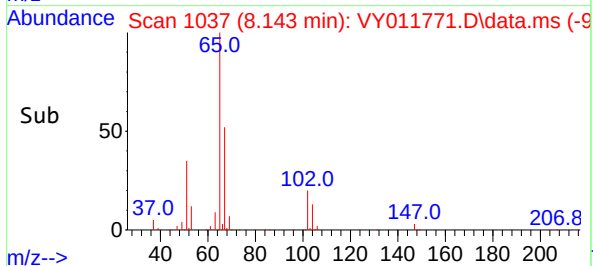
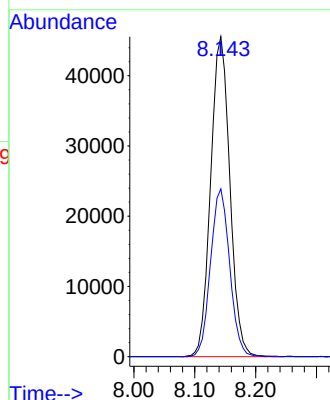
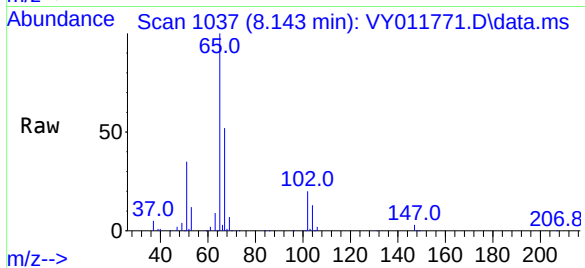




#33
1,2-Dichloroethane-d4
Concen: 51.858 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

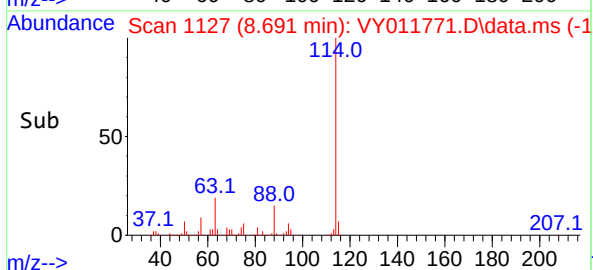
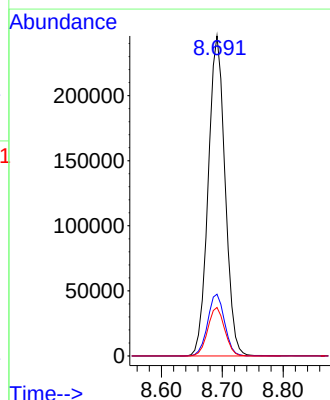
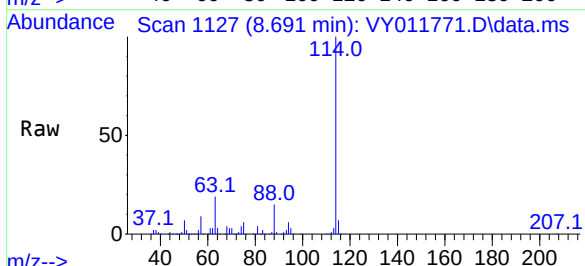
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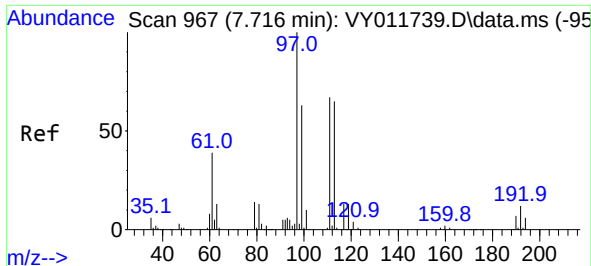
Tgt Ion: 65 Resp: 99833
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Tgt Ion: 114 Resp: 472324
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.6
88 15.1 0.0 32.2

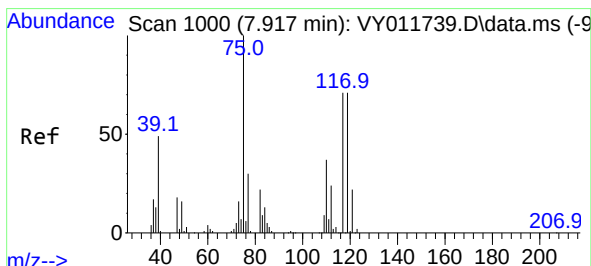
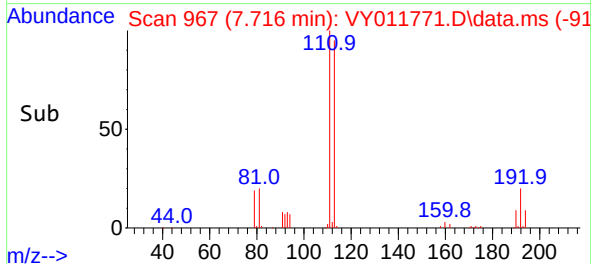
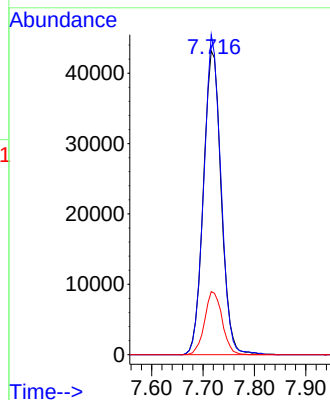
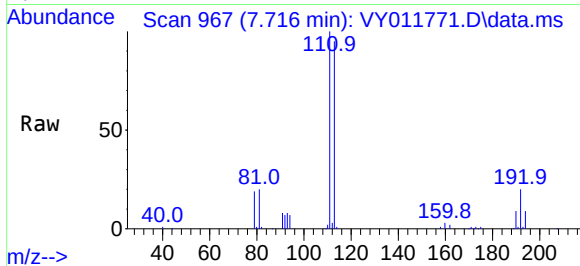




#35
Dibromofluoromethane
Concen: 49.370 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

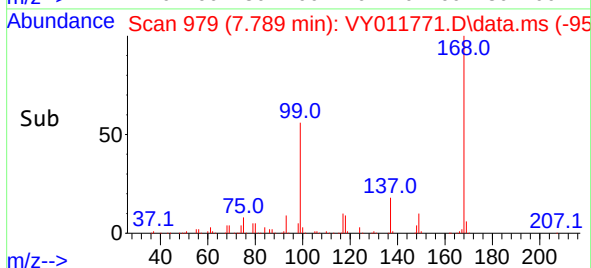
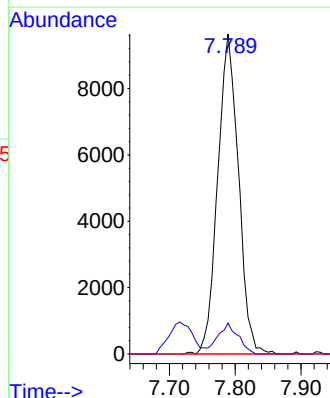
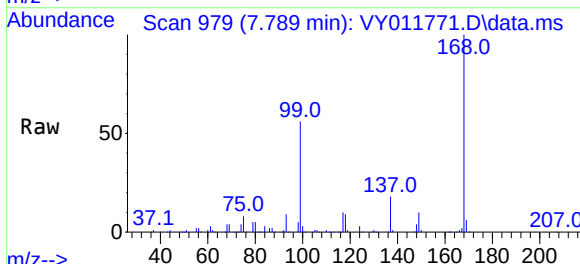
Instrument :
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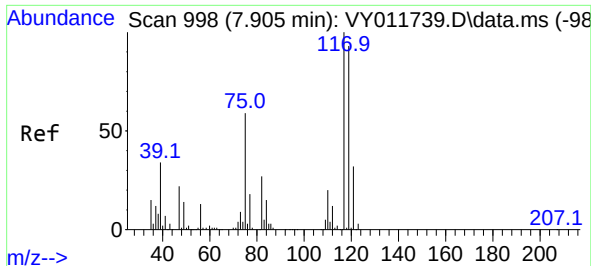
Tgt Ion:113 Resp: 103707
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.4
192 20.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.914 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

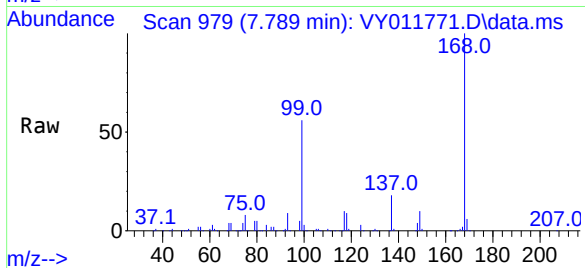
Tgt Ion: 75 Resp: 21196
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.1#
77 0.0 25.1 37.7#



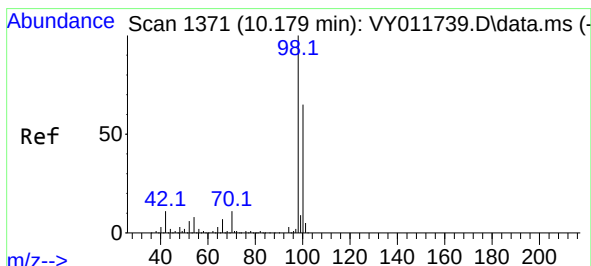
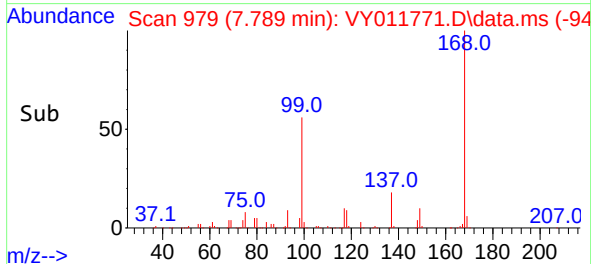
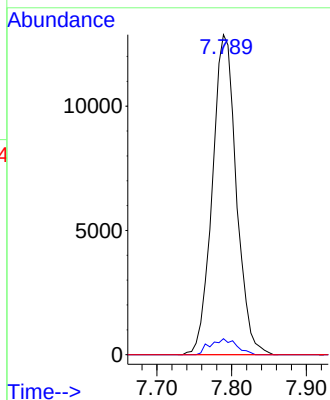


#38
Carbon Tetrachloride
Concen: 6.841 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Instrument :
MSVOA_Y
ClientSampleId :
RBR200014-RB21197

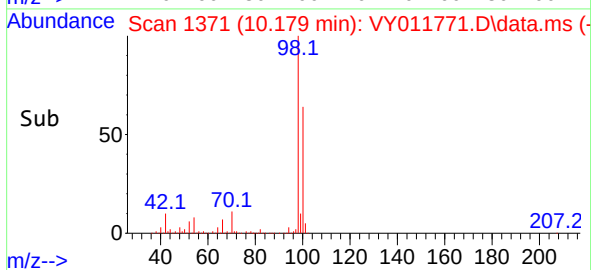
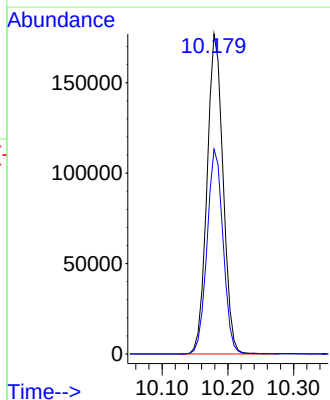
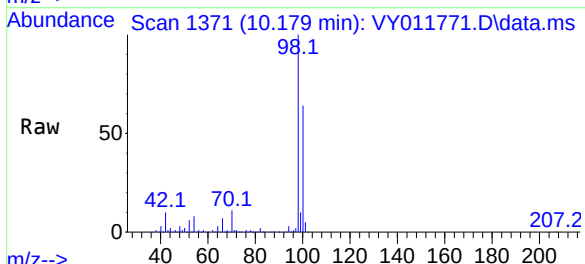


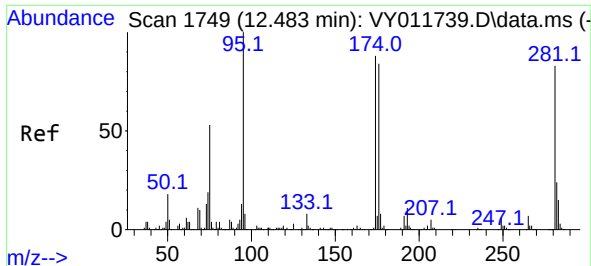
Tgt Ion:117 Resp: 28801
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 42.709 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

Tgt Ion: 98 Resp: 300505
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

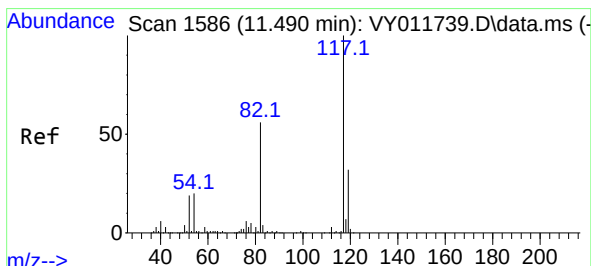
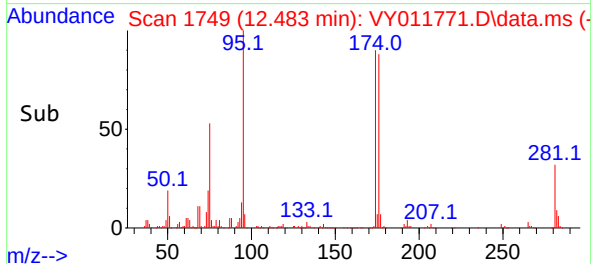
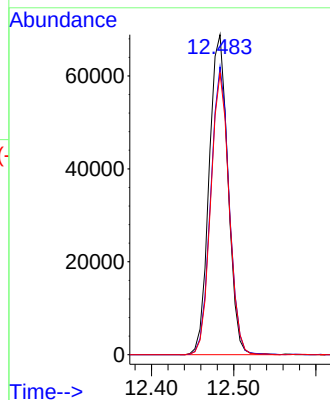
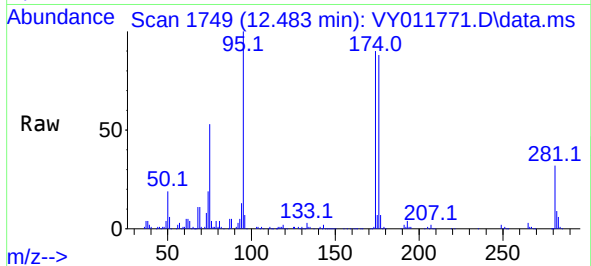




#62
4-Bromofluorobenzene
Concen: 38.949 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

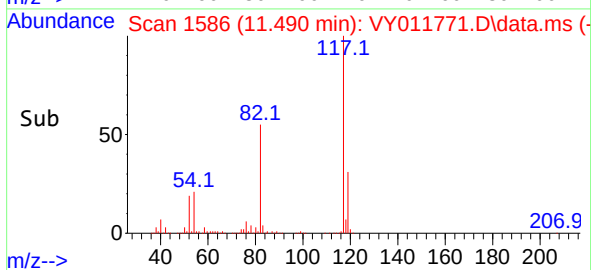
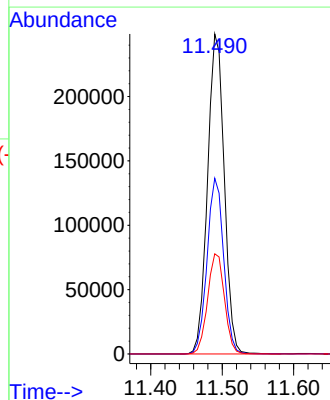
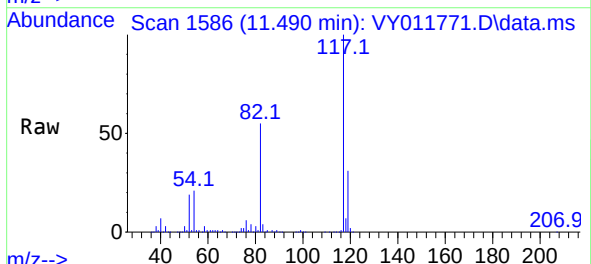
Instrument :
MSVOA_Y
ClientSampleId :
RBR200014-RB21197

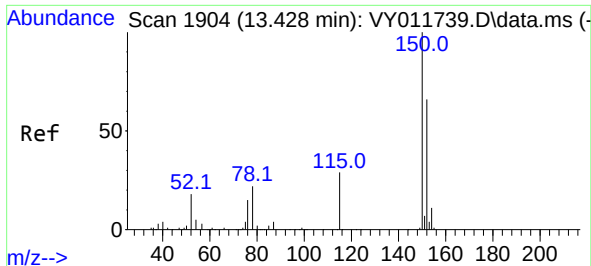
Tgt Ion: 95 Resp: 109422
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.0
176 85.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

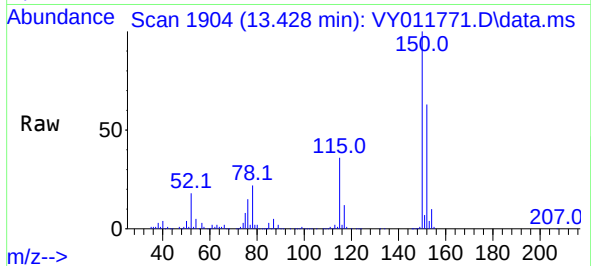
Tgt Ion: 117 Resp: 403319
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 31.3 25.4 38.2



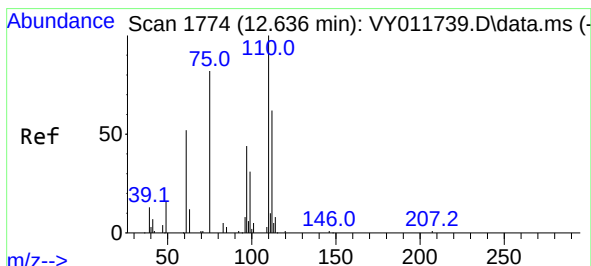
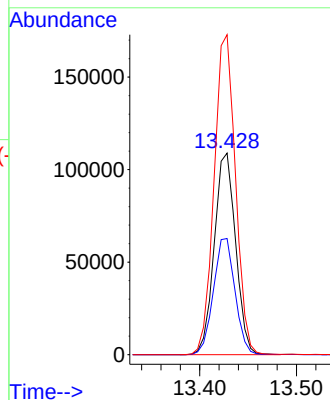
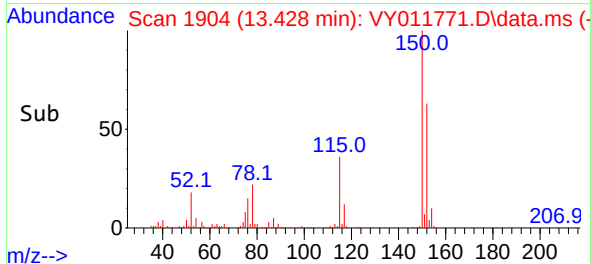


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11

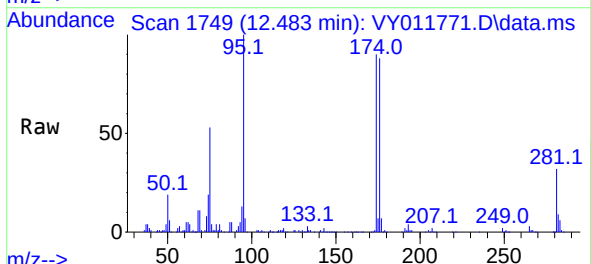
Instrument :
MSVOA_Y
ClientSampleId :
RBR200014-RB21197



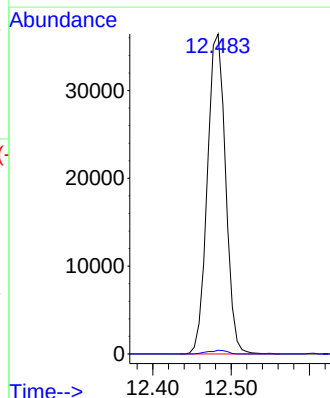
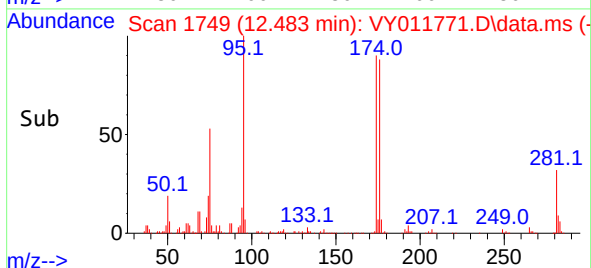
Tgt Ion:152 Resp: 167243
Ion Ratio Lower Upper
152 100
115 58.5 29.1 87.3
150 158.8 0.0 342.6

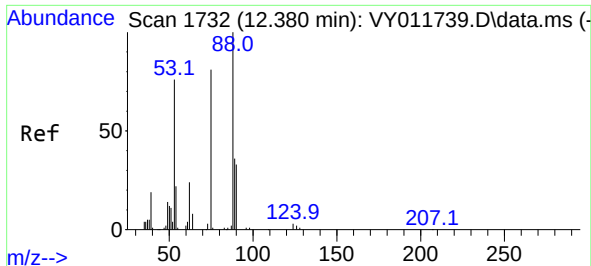


#76
1,2,3-Trichloropropane
Concen: 34.716 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011771.D
Acq: 12 Dec 2022 15:11



Tgt Ion: 75 Resp: 58742
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.778 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011771.D
 Acq: 12 Dec 2022 15:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200014-RB21197

Tgt Ion: 75 Resp: 58742
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.3 37.0 55.4#

