

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011844.D
 Acq On : 14 Dec 2022 14:48
 Operator : KP/MD
 Sample : N6037-13RE
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-23-(8-10)

Quant Time: Dec 15 01:20:26 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)

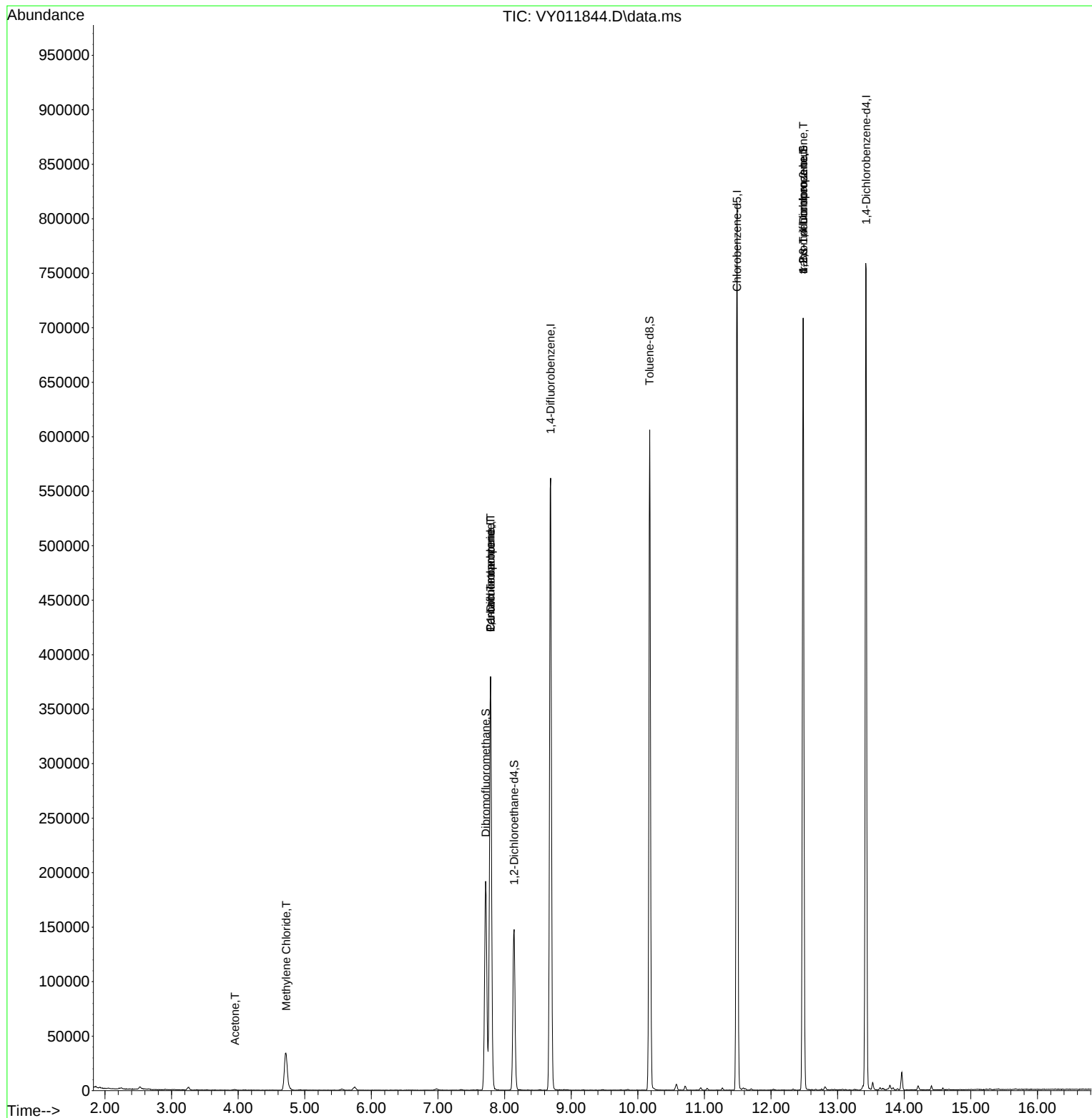
Internal Standards						
1) Pentafluorobenzene	7.789	168	292525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	487187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	428132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	200068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	118121	60.147	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.300%	
35) Dibromofluoromethane	7.716	113	133230	62.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.060%	
50) Toluene-d8	10.179	98	389885	55.695	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.400%	
62) 4-Bromofluorobenzene	12.483	95	189649	68.866	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 137.740%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	24	Below Cal	#	41
3) Chloromethane	2.119	50	104	Below Cal	#	41
4) Vinyl Chloride	2.253	62	19	Below Cal	#	43
5) Bromomethane	2.656	94	123	Below Cal	#	80
11) Tert butyl alcohol	4.936	59	195	Below Cal	#	74
16) Acetone	3.954	43	1055	1.321	ug/l	98
18) Methyl Acetate	4.479	43	26	Below Cal	#	50
20) Methylene Chloride	4.722	84	26745	4.002	ug/l	92
31) Cyclohexane	7.783	56	5810	Below Cal	#	2
36) 1,1-Dichloropropene	7.789	75	21692	5.867	ug/l #	50
38) Carbon Tetrachloride	7.789	117	28996	6.677	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	100243	49.523	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	100243	112.378	ug/l #	13

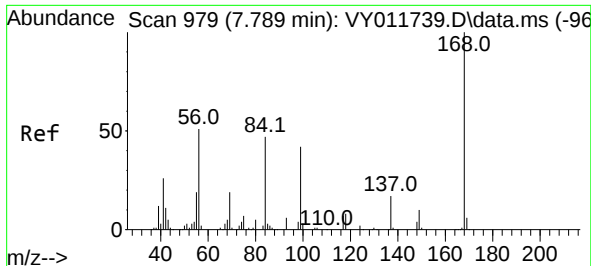
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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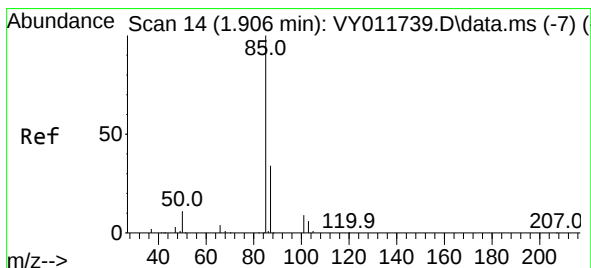
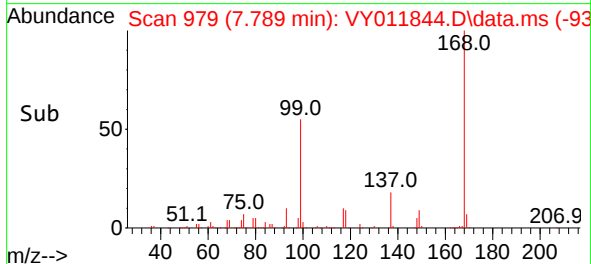
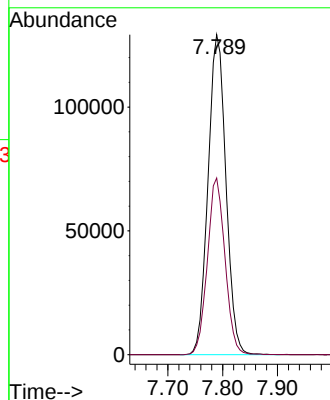
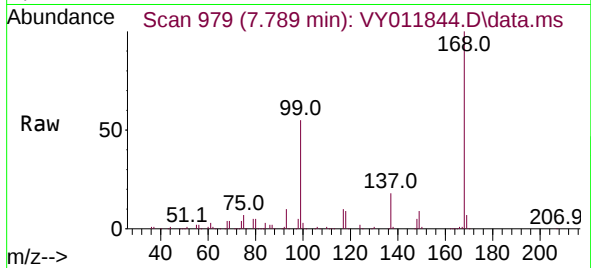




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

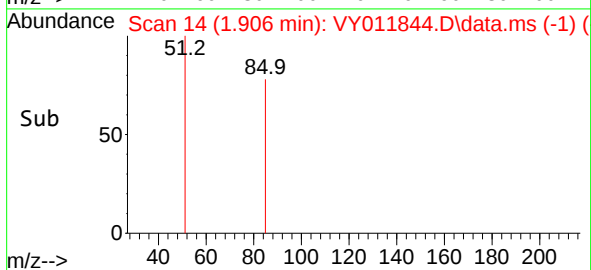
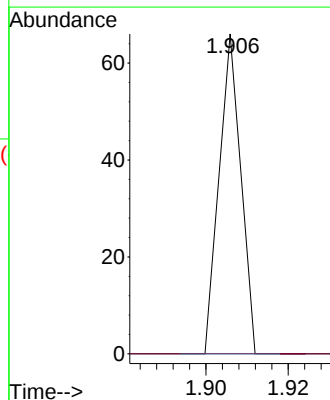
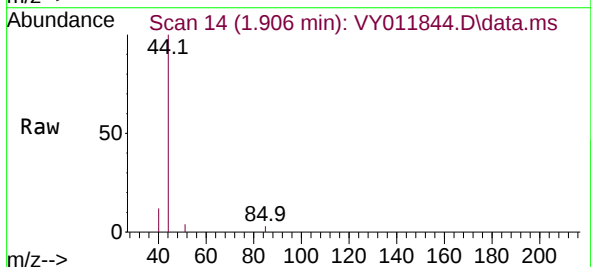
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

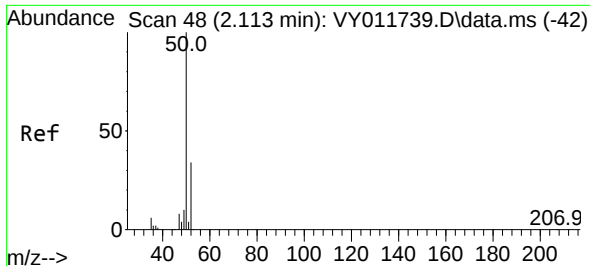
Tgt Ion:168 Resp: 292525
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 85 Resp: 24
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

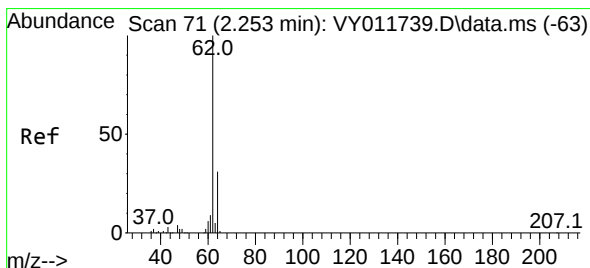
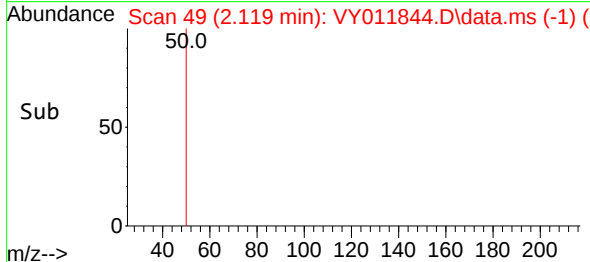
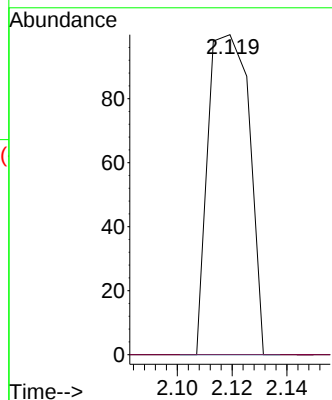
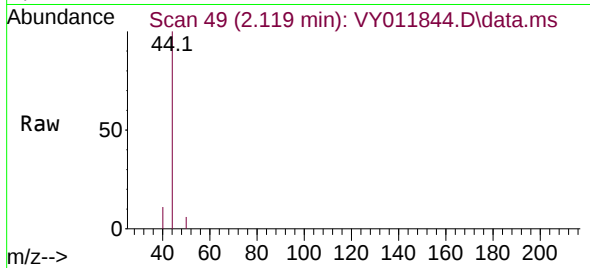




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

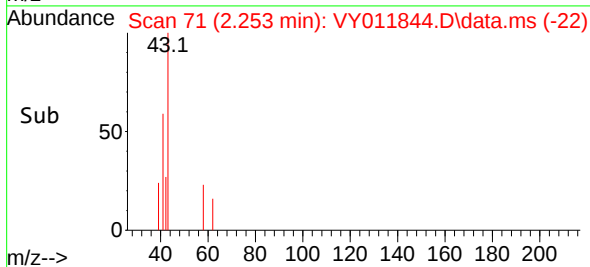
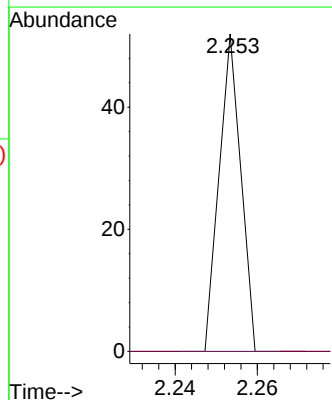
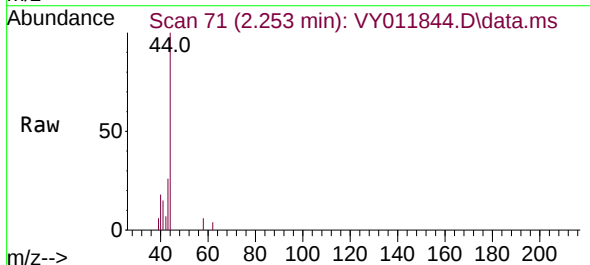
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

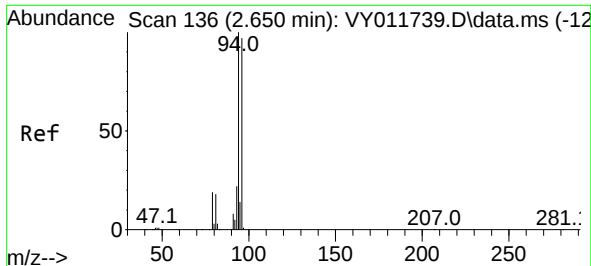
Tgt Ion: 50 Resp: 104
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

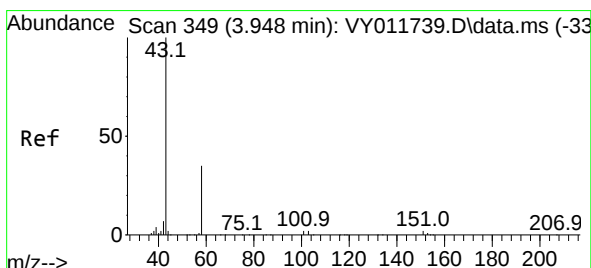
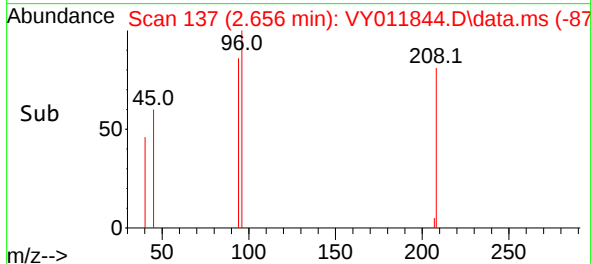
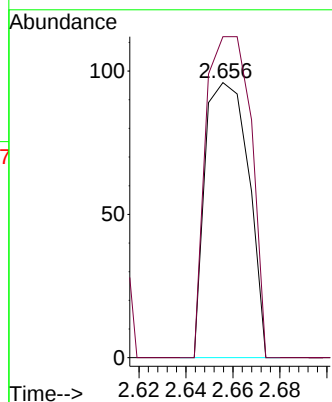
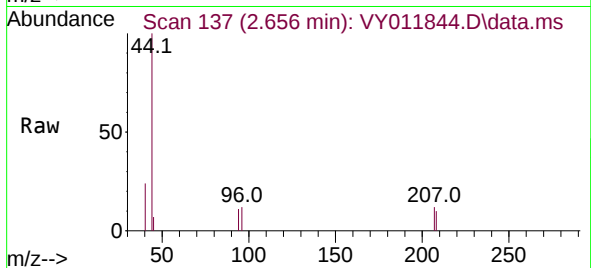




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

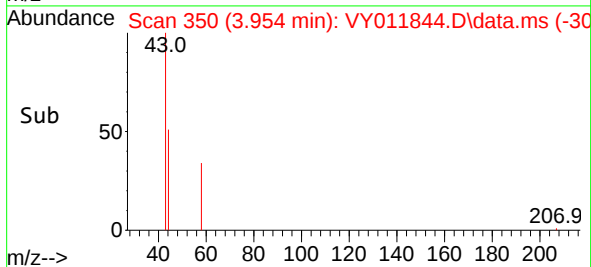
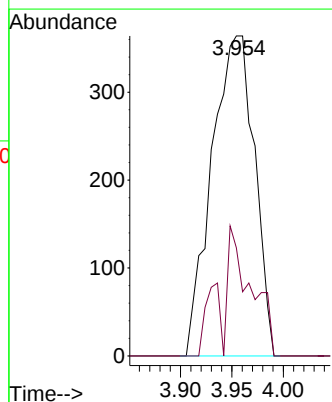
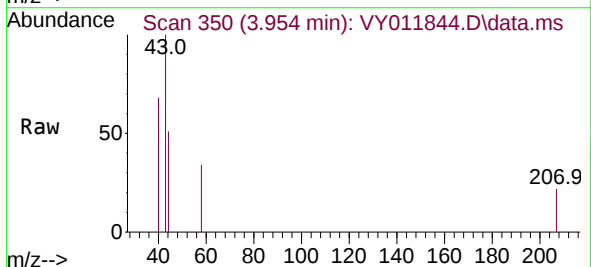
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

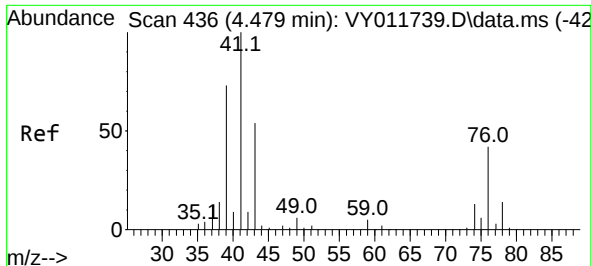
Tgt Ion: 94 Resp: 123
Ion Ratio Lower Upper
94 100
96 116.7 77.4 116.2#



#16
Acetone
Concen: 1.321 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 33.8 27.9 41.9

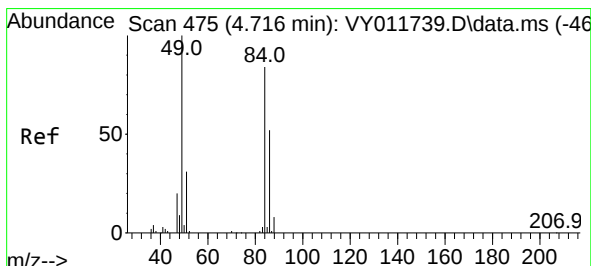
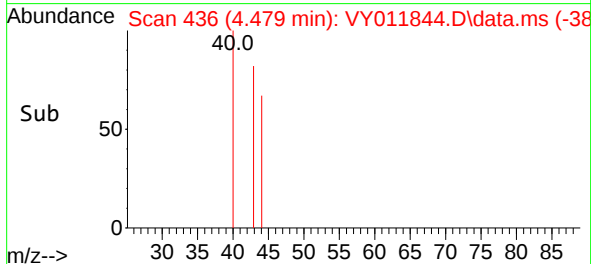
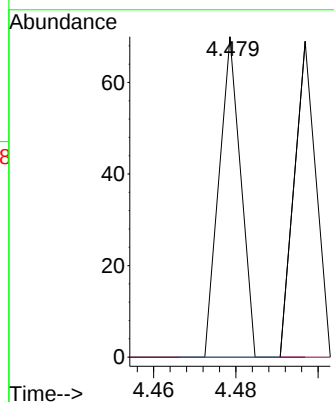
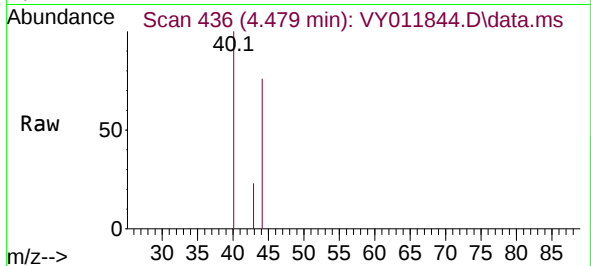




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

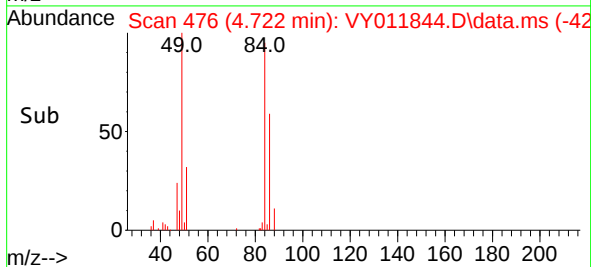
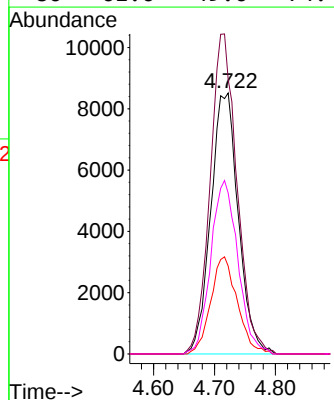
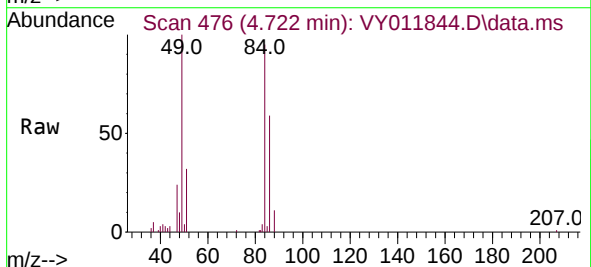
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

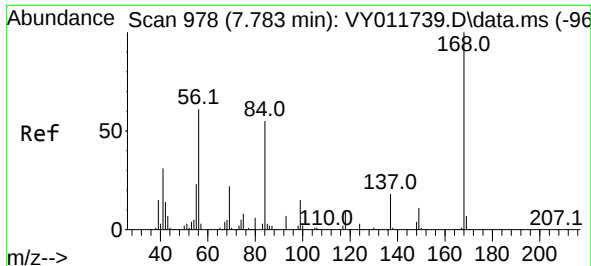
Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 4.002 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 84 Resp: 26745
Ion Ratio Lower Upper
84 100
49 105.1 95.4 143.2
51 33.7 29.9 44.9
86 61.6 49.6 74.4

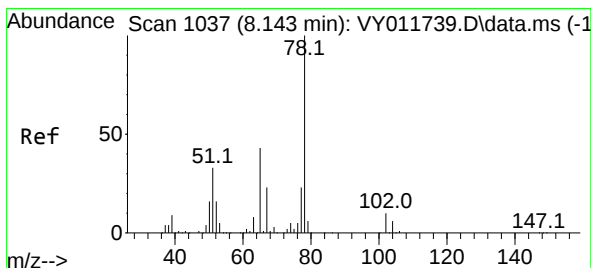
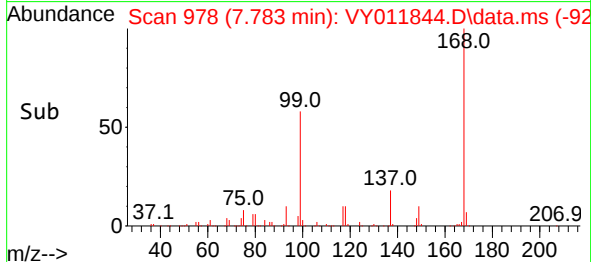
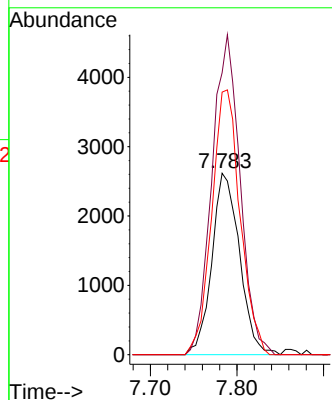
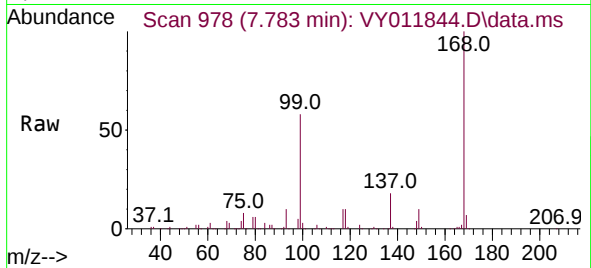




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

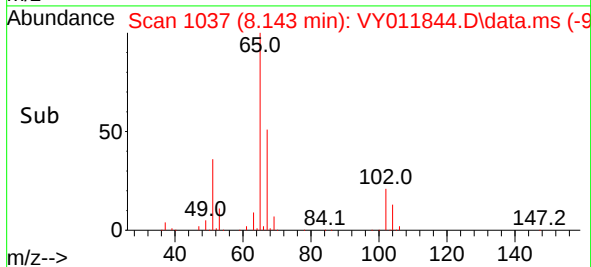
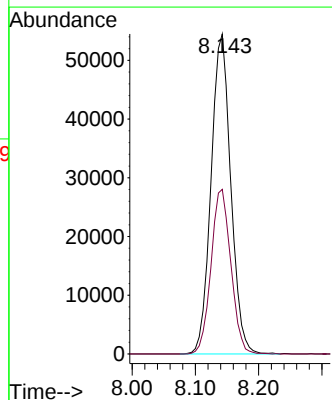
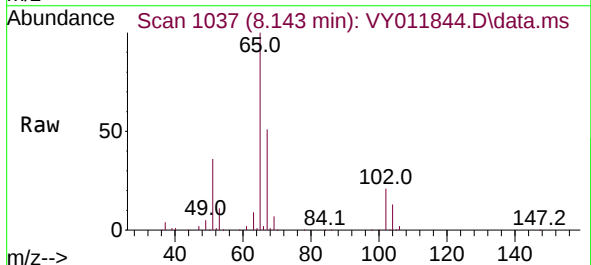
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

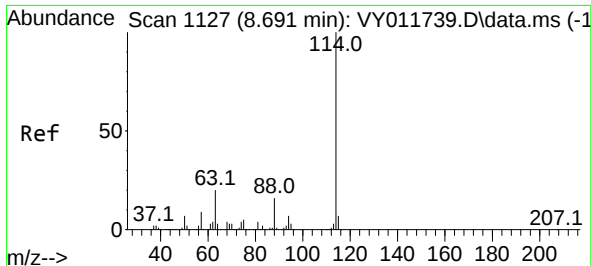
Tgt Ion: 56 Resp: 5810
Ion Ratio Lower Upper
56 100
69 155.5 29.2 43.8#
84 144.8 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.147 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 65 Resp: 118121
Ion Ratio Lower Upper
65 100
67 51.6 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: VY011844.D

Acq: 14 Dec 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(8-10)

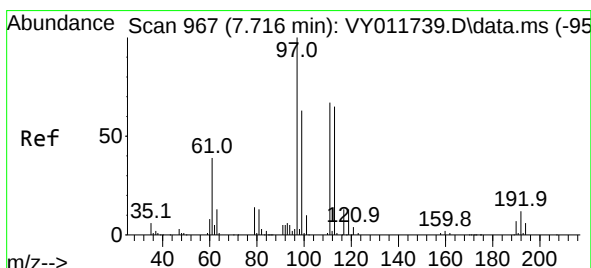
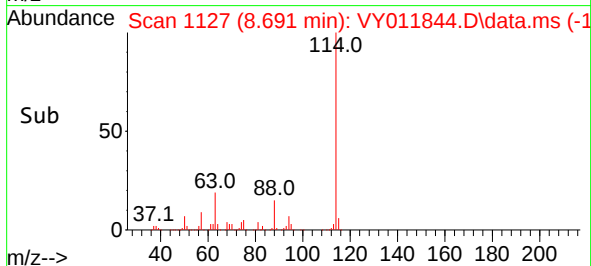
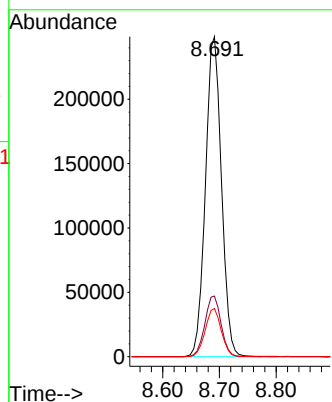
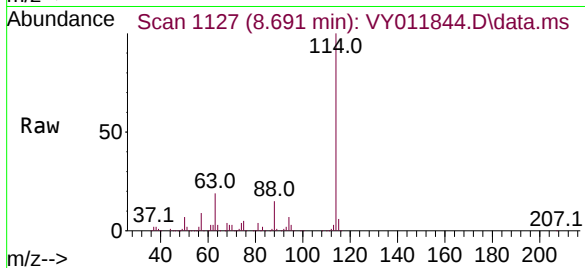
Tgt Ion:114 Resp: 487187

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 62.525 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011844.D

Acq: 14 Dec 2022 14:48

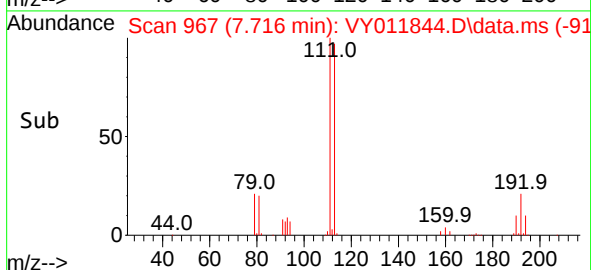
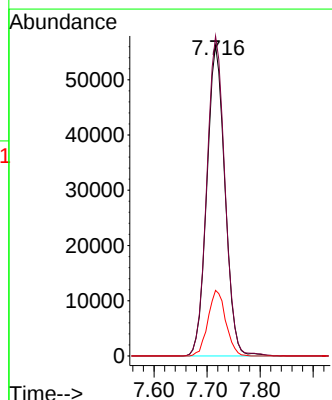
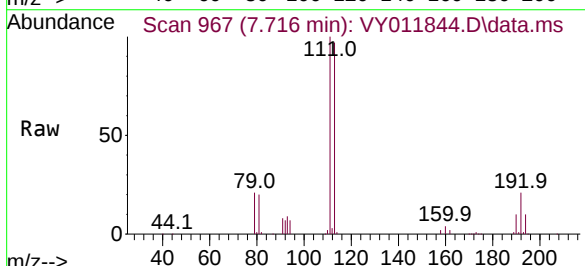
Tgt Ion:113 Resp: 133230

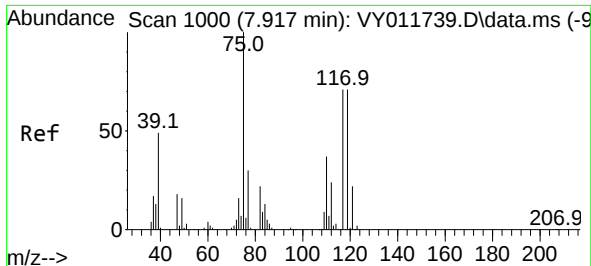
Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.4

192 20.7 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.867 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011844.D

Acq: 14 Dec 2022 14:48

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RB-23-(8-10)

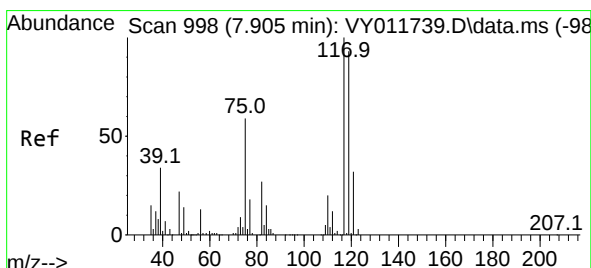
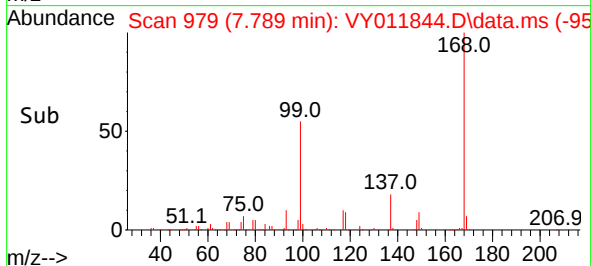
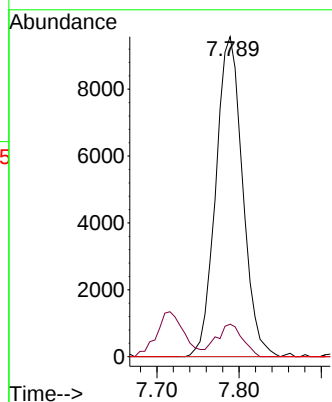
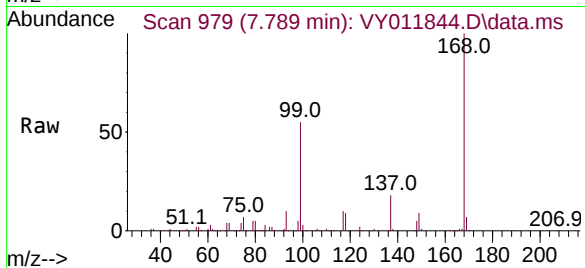
Tgt Ion: 75 Resp: 21692

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.677 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011844.D

Acq: 14 Dec 2022 14:48

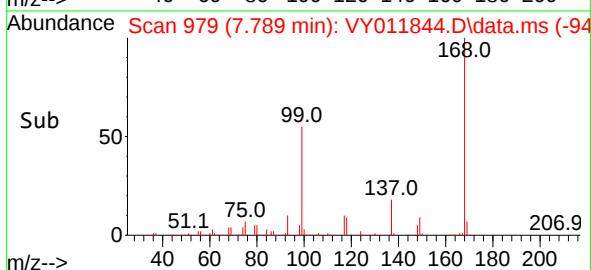
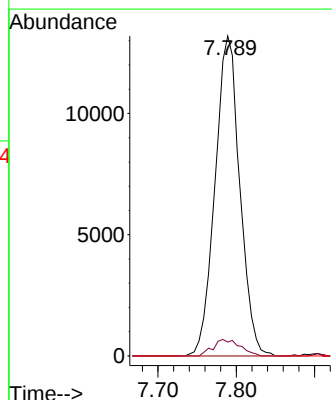
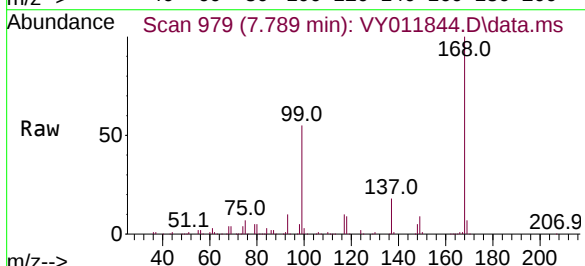
Tgt Ion: 117 Resp: 28996

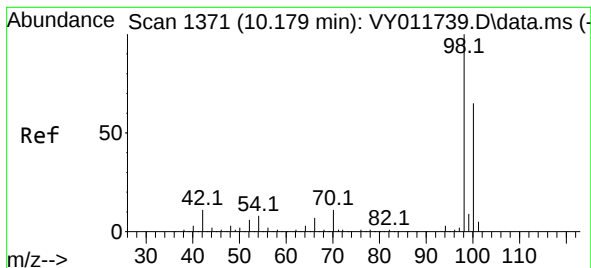
Ion Ratio Lower Upper

117 100

119 4.3 73.8 110.8#

121 0.0 25.2 37.8#

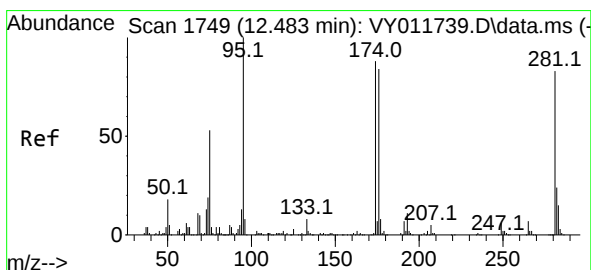
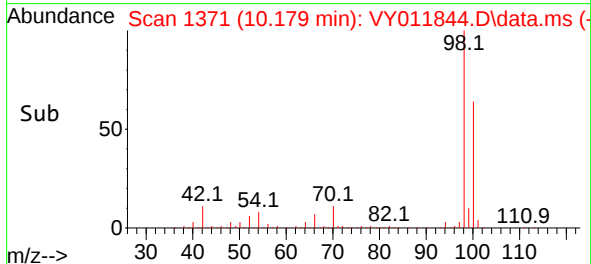
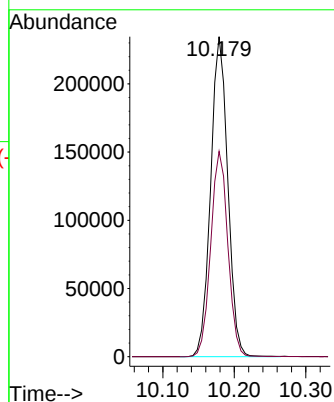
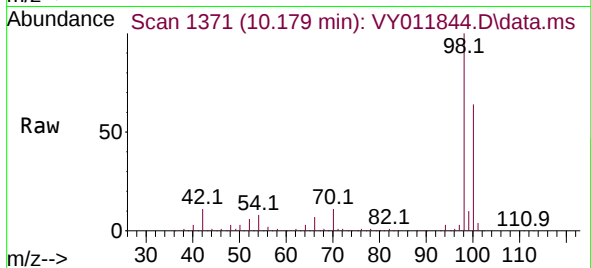




#50
Toluene-d8
Concen: 55.695 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

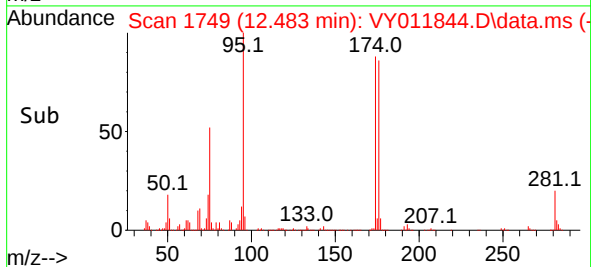
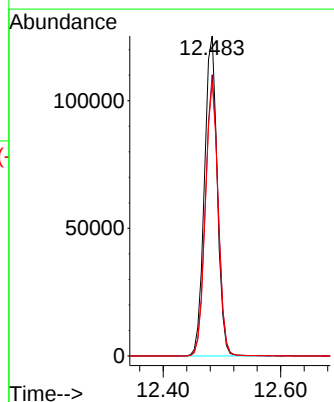
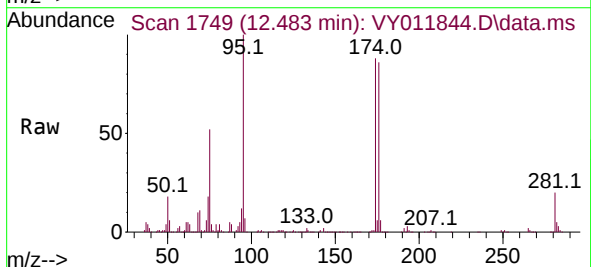
Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

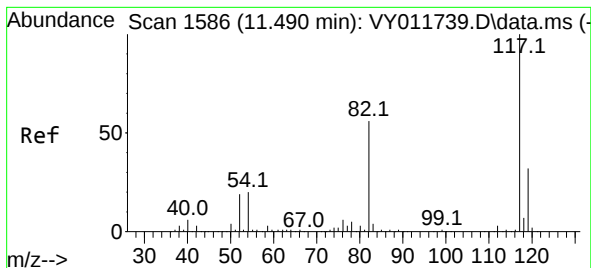
Tgt Ion: 98 Resp: 389885
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 68.866 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 95 Resp: 189649
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.0
176 85.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011844.D

Acq: 14 Dec 2022 14:48

Instrument :

MSVOA_Y

ClientSampleId :

RB-23-(8-10)

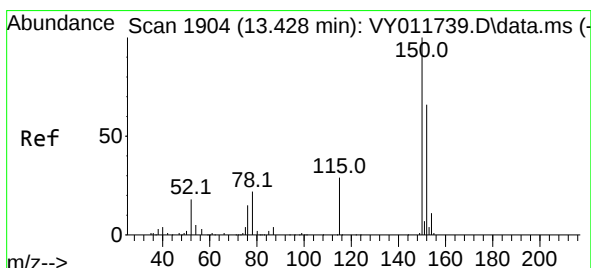
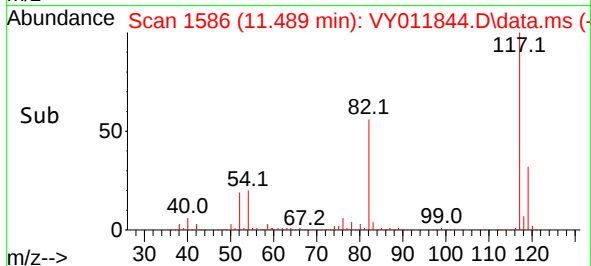
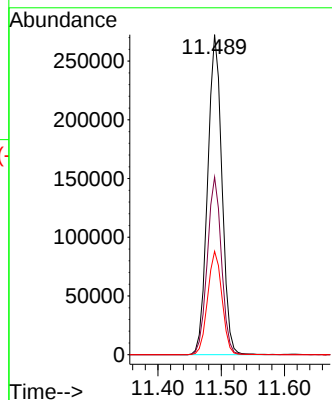
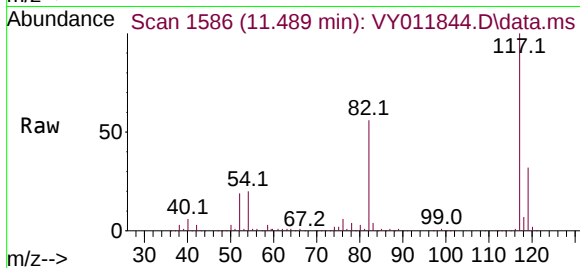
Tgt Ion:117 Resp: 428132

Ion Ratio Lower Upper

117 100

82 55.5 44.8 67.2

119 32.3 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: VY011844.D

Acq: 14 Dec 2022 14:48

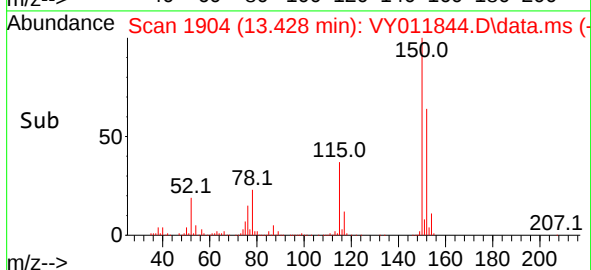
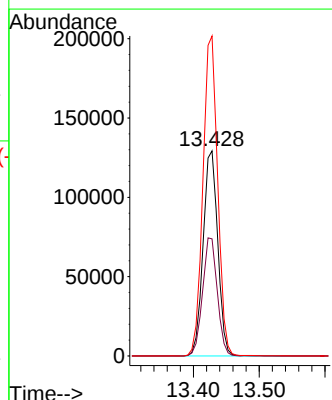
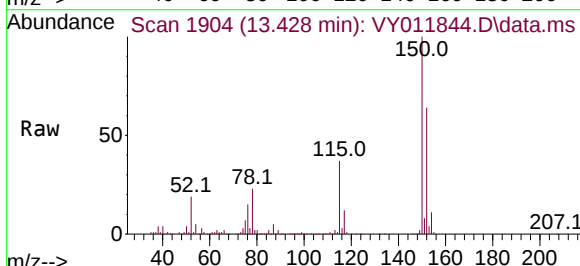
Tgt Ion:152 Resp: 200068

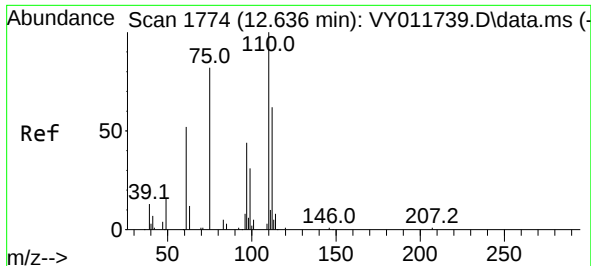
Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

150 156.8 0.0 342.6

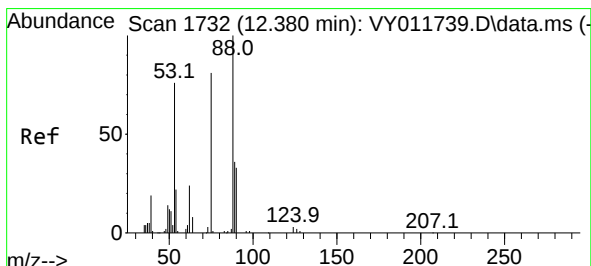
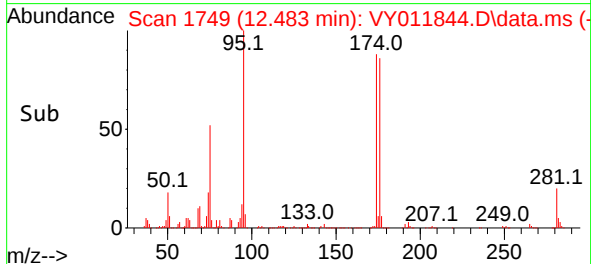
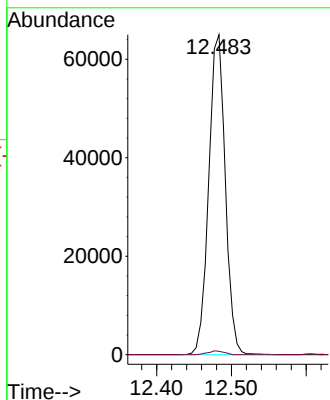
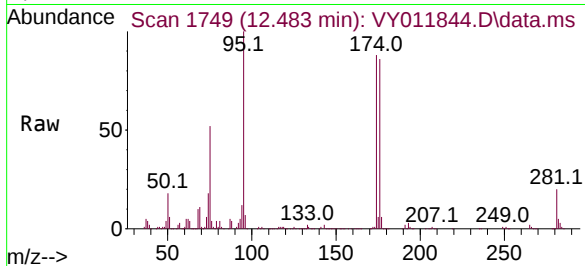




#76
1,2,3-Trichloropropane
Concen: 49.523 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Instrument :
MSVOA_Y
ClientSampleId :
RB-23-(8-10)

Tgt Ion: 75 Resp: 100243
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.378 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011844.D
Acq: 14 Dec 2022 14:48

Tgt Ion: 75 Resp: 100243
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#

