

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011931.D
 Acq On : 20 Dec 2022 18:44
 Operator : KP/MD
 Sample : N6038-19RE
 Misc : 4.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-38-(3-5)

Quant Time: Dec 21 00:10:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

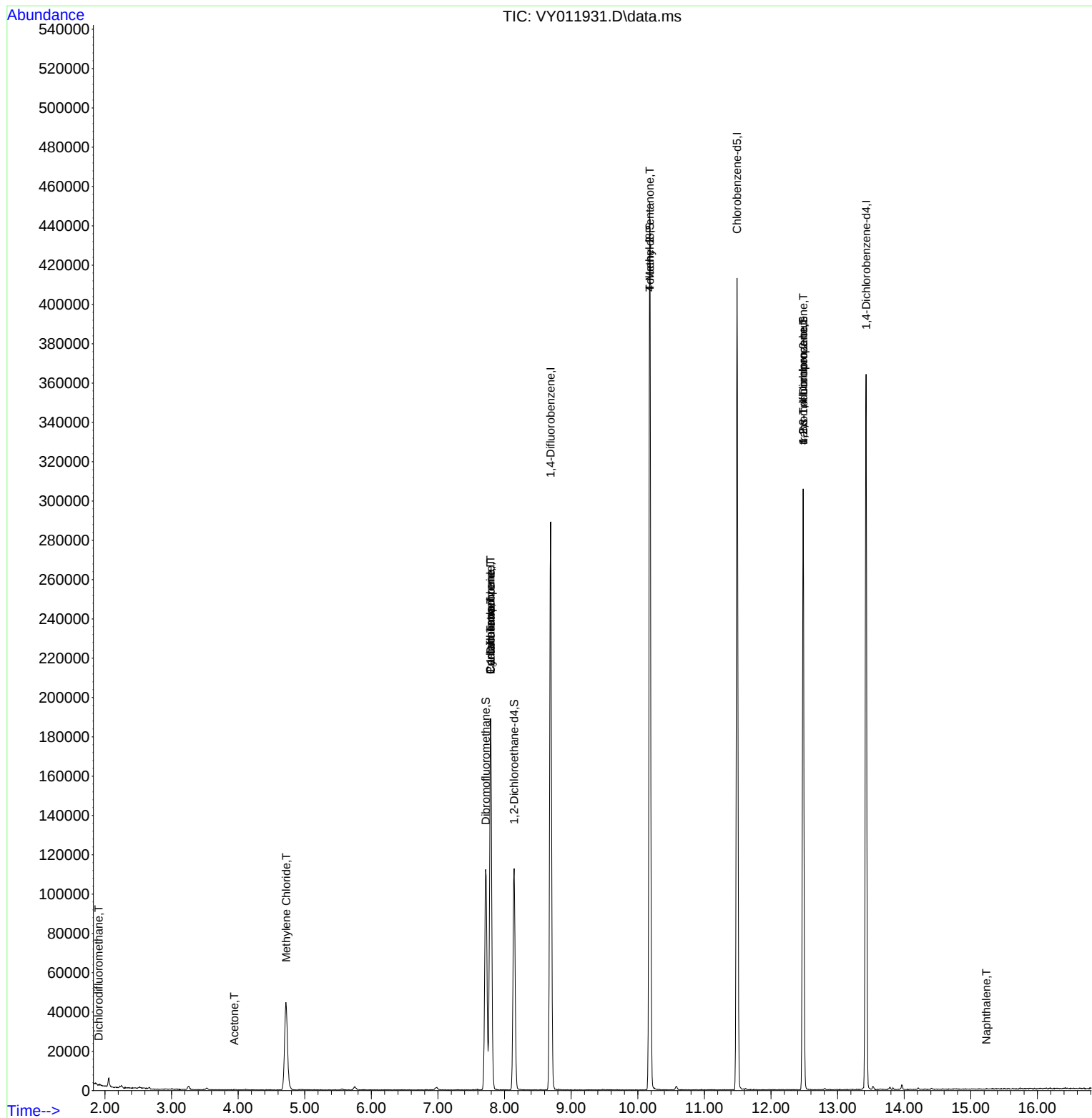
Internal Standards						
1) Pentafluorobenzene	7.789	168	146372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	227163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92017	62.399	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.800%	
35) Dibromofluoromethane	7.716	113	80167	53.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.200%	
50) Toluene-d8	10.179	98	297370	49.004	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.000%	
62) 4-Bromofluorobenzene	12.483	95	88120	43.177	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.360%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41	2.501	ug/l #	41
11) Tert butyl alcohol	4.948	59	414	Below Cal	#	74
16) Acetone	3.942	43	385	5.732	ug/l #	40
20) Methylene Chloride	4.723	84	34791	16.462	ug/l	94
31) Cyclohexane	7.789	56	2954	1.190	ug/l #	4
36) 1,1-Dichloropropene	7.789	75	10376	4.325	ug/l #	50
38) Carbon Tetrachloride	7.789	117	14586	5.264	ug/l #	18
51) 4-Methyl-2-Pentanone	10.179	43	1056	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	45294	37.837	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45294	103.617	ug/l #	13
95) Naphthalene	15.233	128	252	2.845	ug/l #	69

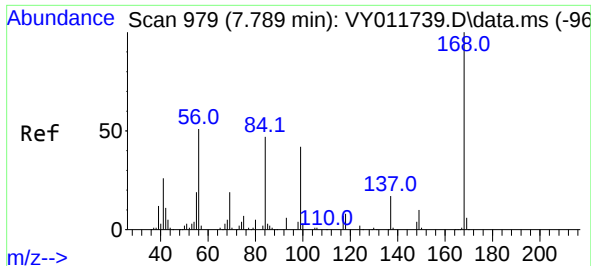
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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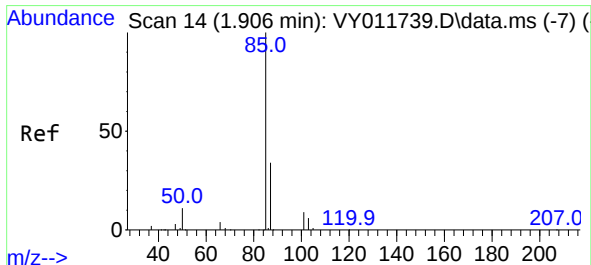
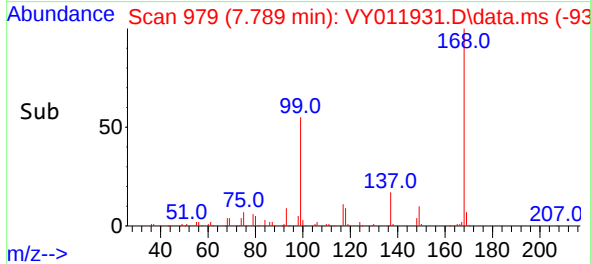
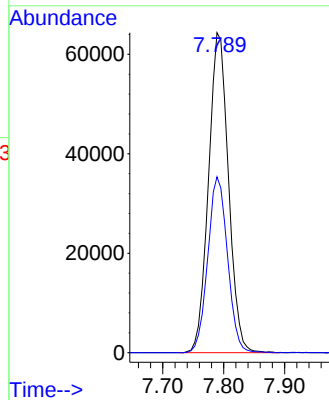
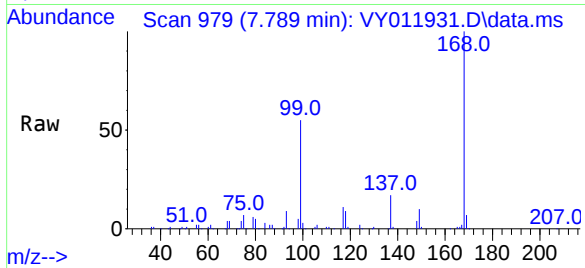




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

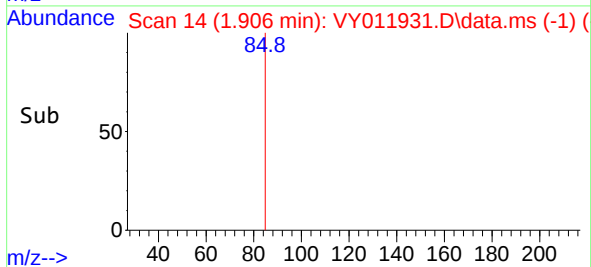
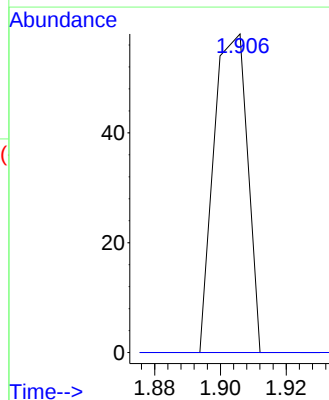
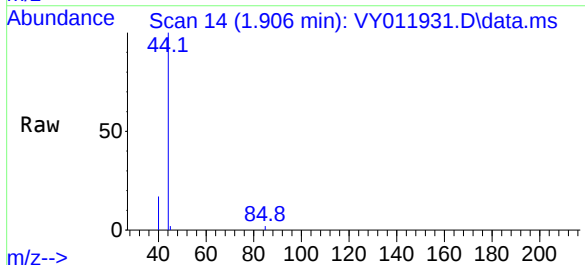
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

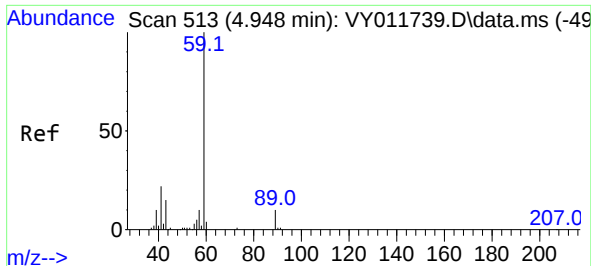
Tgt Ion:168 Resp: 146372
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.501 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 85 Resp: 41
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

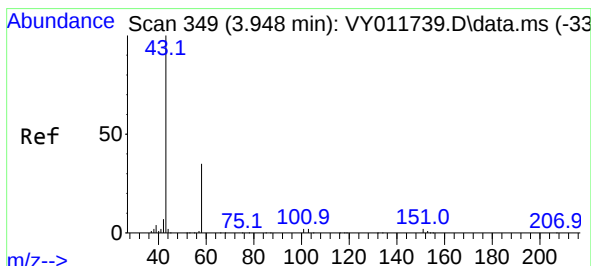
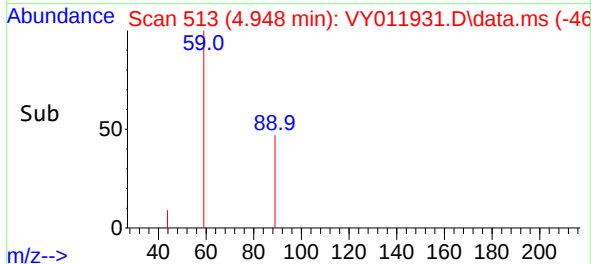
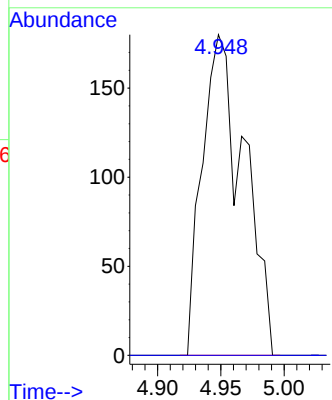
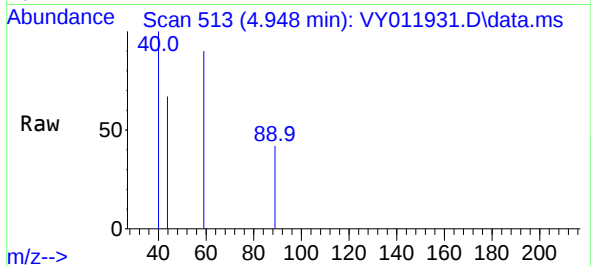




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

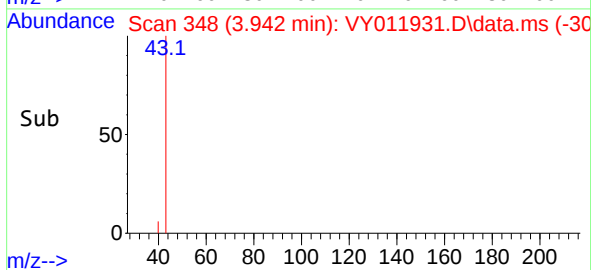
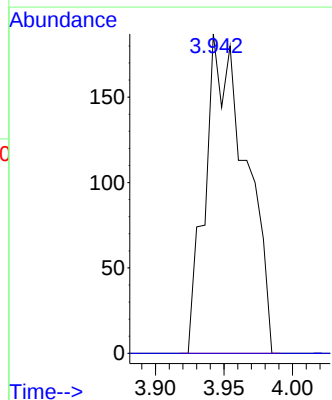
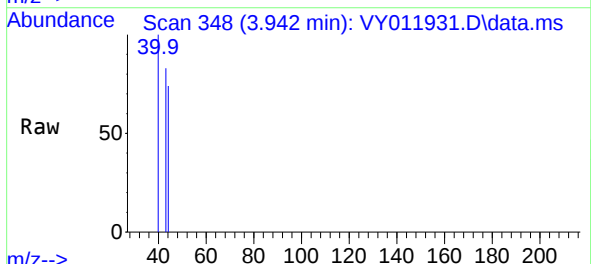
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

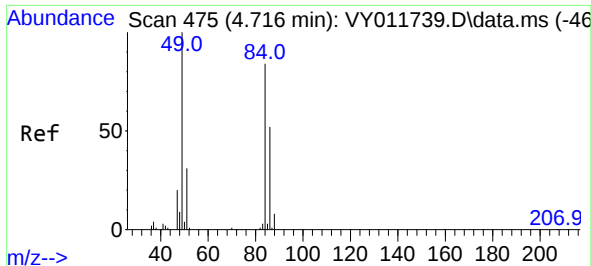
Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.732 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



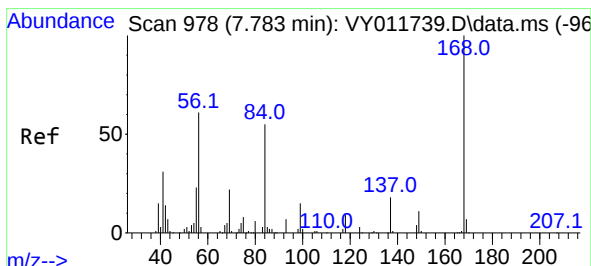
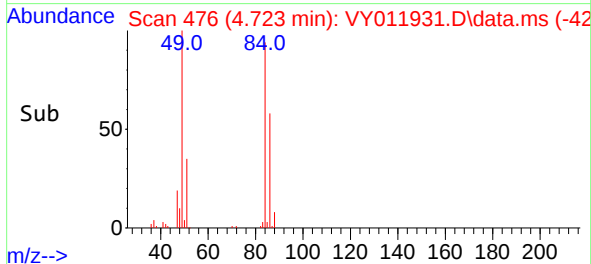
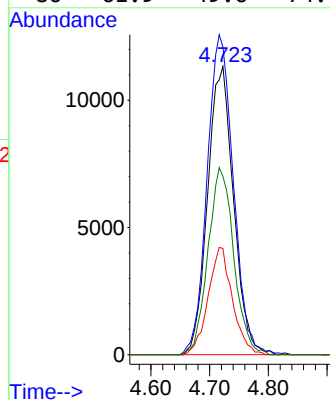
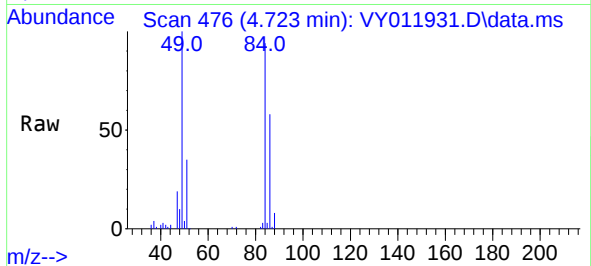


#20
Methylene Chloride
Concen: 16.462 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

Tgt Ion: 84 Resp: 34791

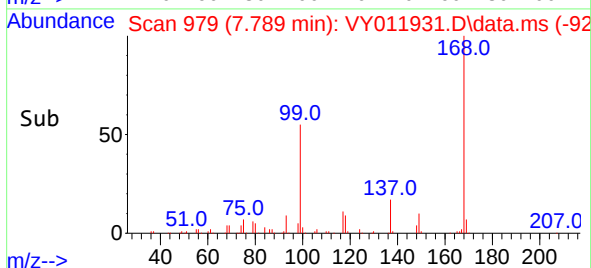
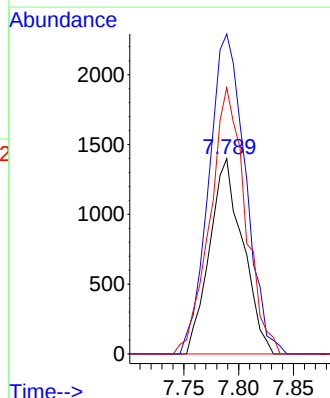
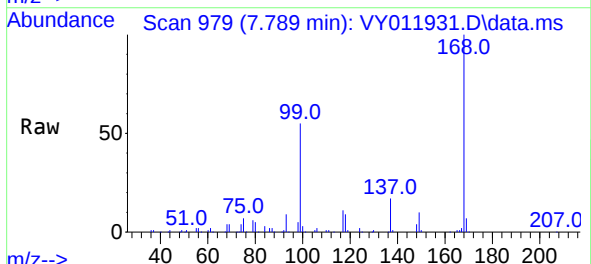
Ion	Ratio	Lower	Upper
84	100		
49	106.8	95.4	143.2
51	36.9	29.9	44.9
86	61.9	49.6	74.4

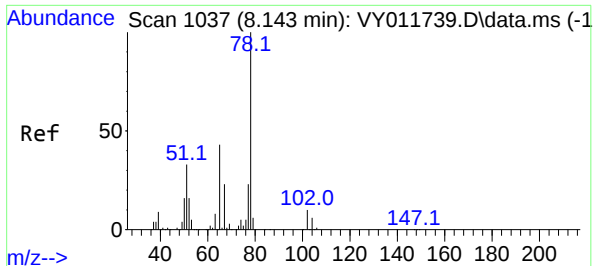


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 56 Resp: 2954

Ion	Ratio	Lower	Upper
56	100		
69	163.9	29.2	43.8#
84	136.4	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 62.399 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011931.D

Acq: 20 Dec 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

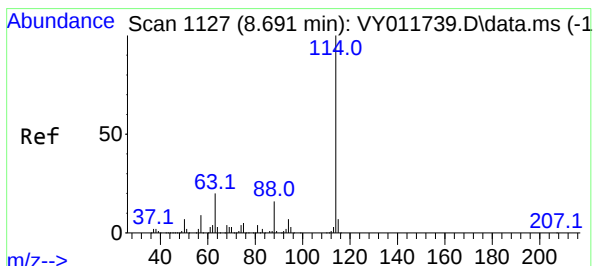
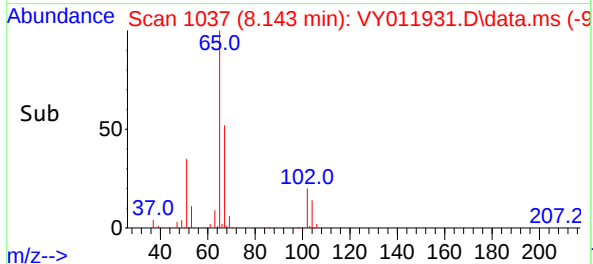
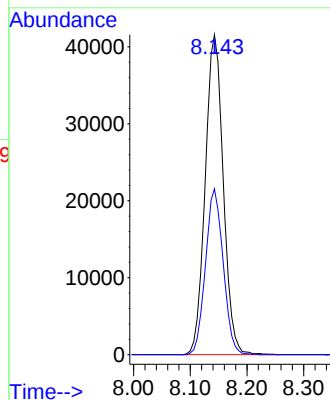
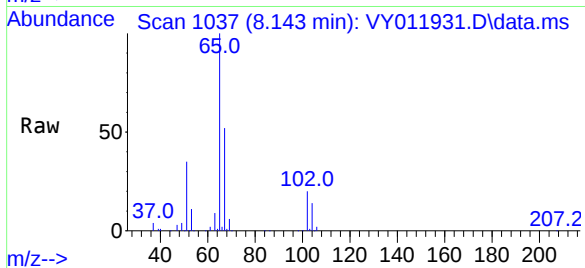
RB-38-(3-5)

Tgt Ion: 65 Resp: 92017

Ion Ratio Lower Upper

65 100

67 50.7 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: VY011931.D

Acq: 20 Dec 2022 18:44

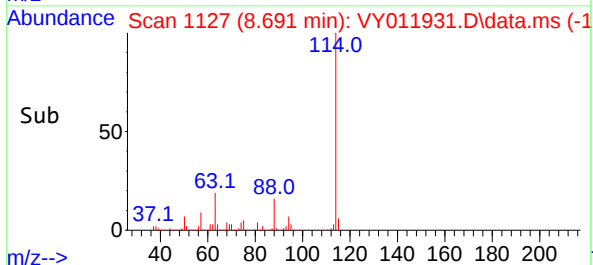
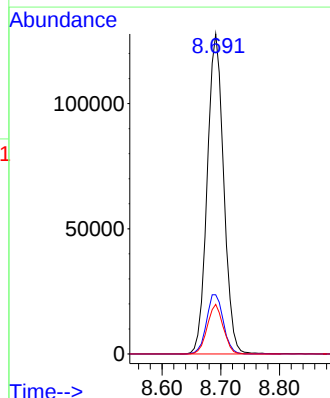
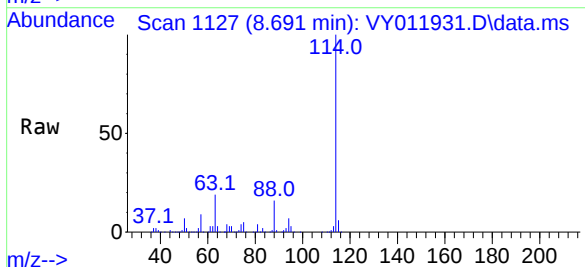
Tgt Ion: 114 Resp: 248440

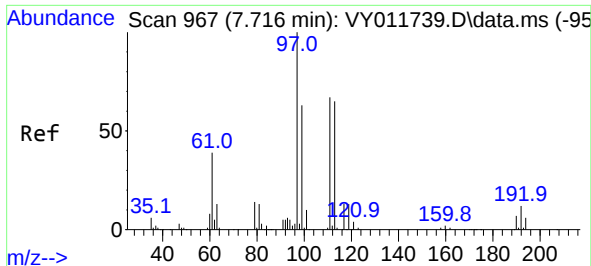
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.5 0.0 32.2

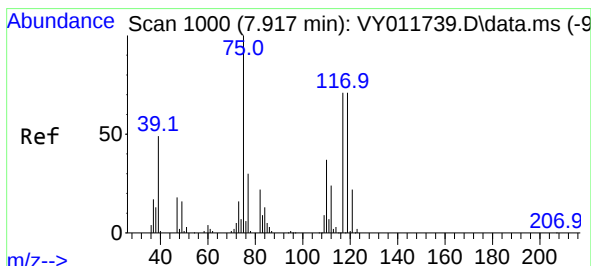
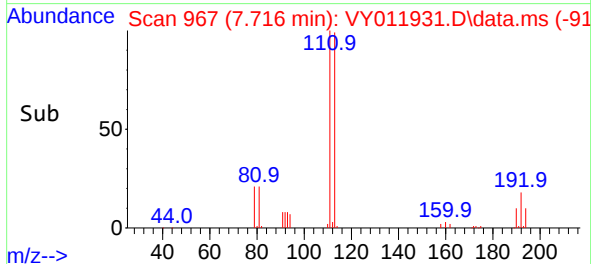
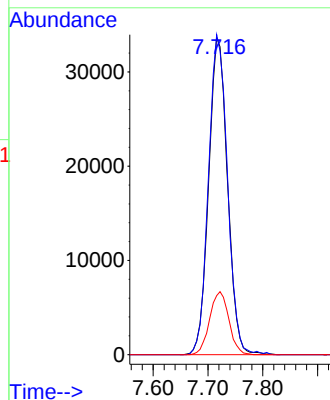
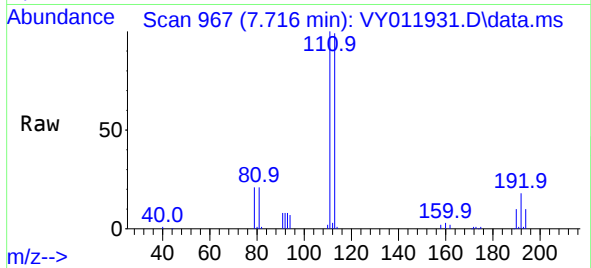




#35
Dibromofluoromethane
Concen: 53.599 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

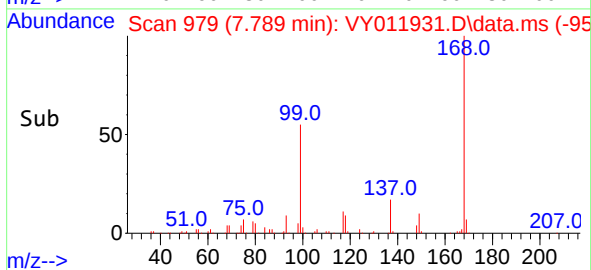
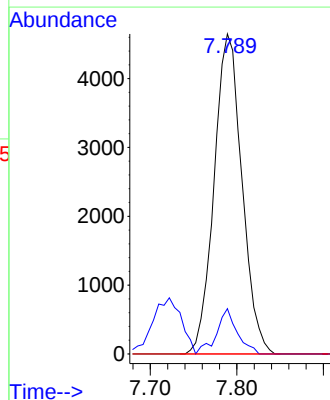
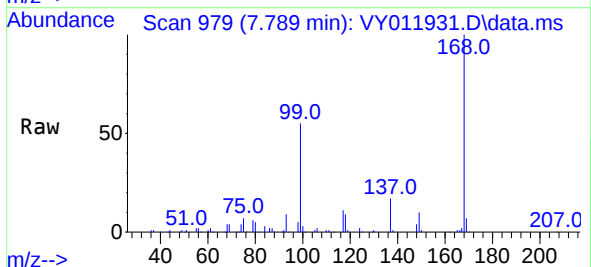
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

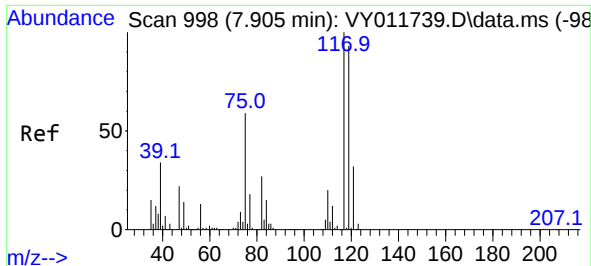
Tgt Ion:113 Resp: 80167
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.4
192 20.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.325 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 75 Resp: 10376
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.1#
77 0.0 25.1 37.7#

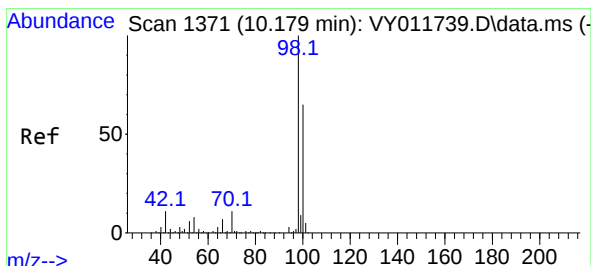
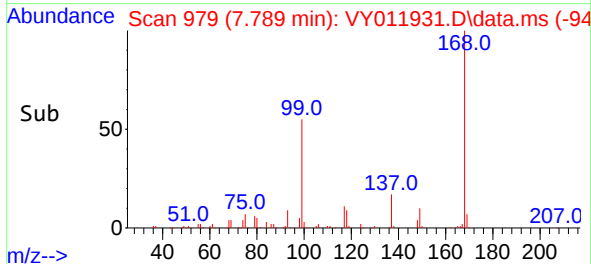
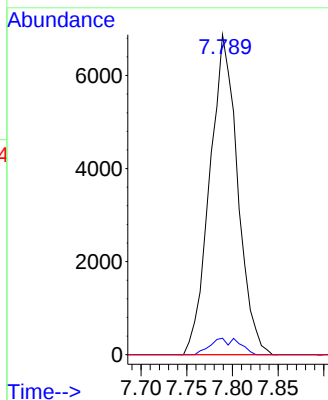
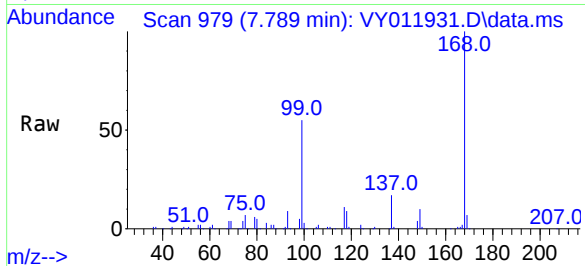




#38
Carbon Tetrachloride
Concen: 5.264 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

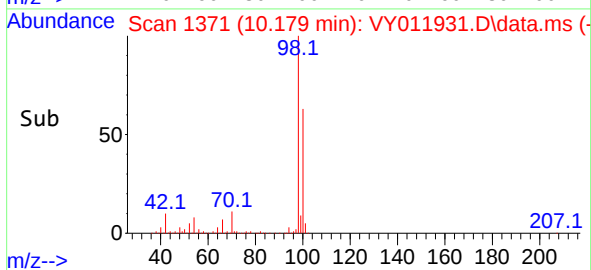
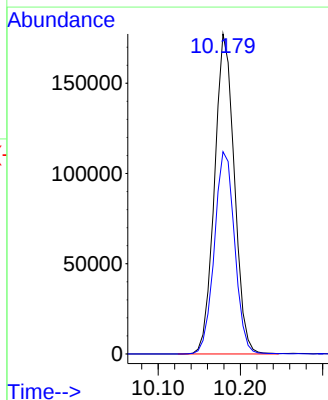
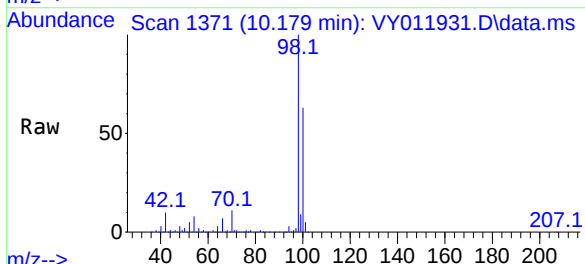
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RB-38-(3-5)

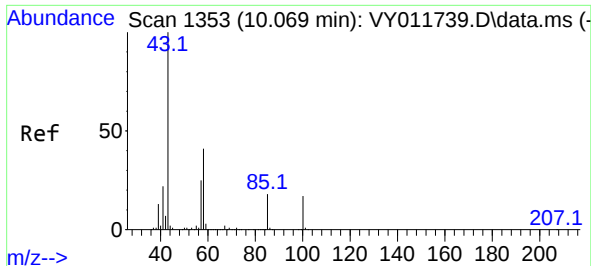
Tgt Ion:117 Resp: 14586
Ion Ratio Lower Upper
117 100
119 5.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.004 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 98 Resp: 297370
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

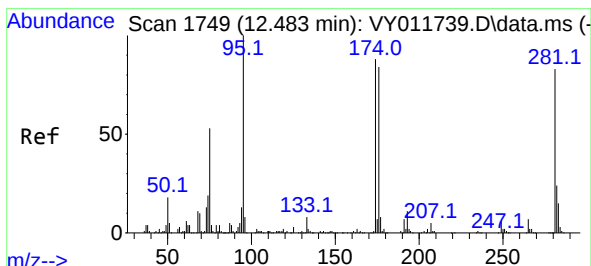
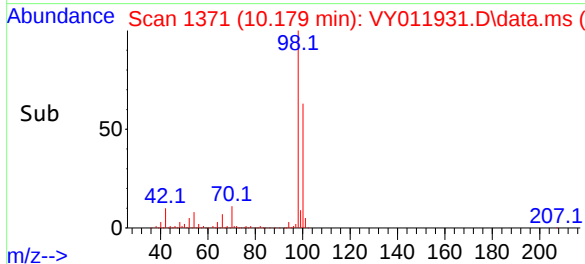
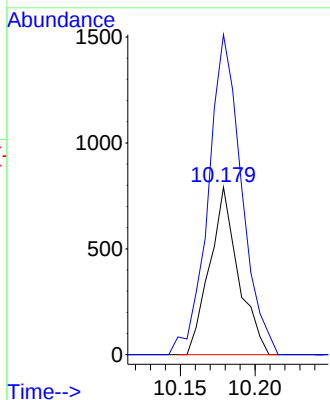
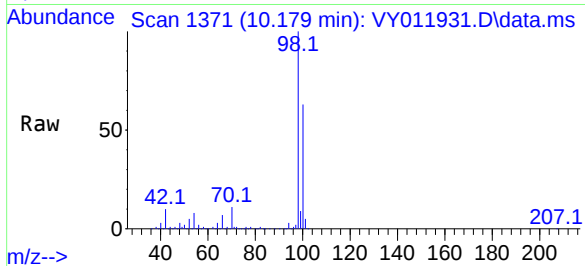




#51
4-Methyl-2-Pentanone
Concen: 1.007 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

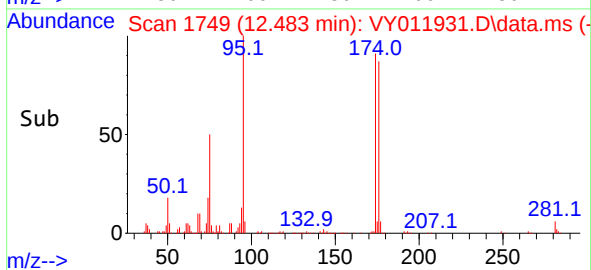
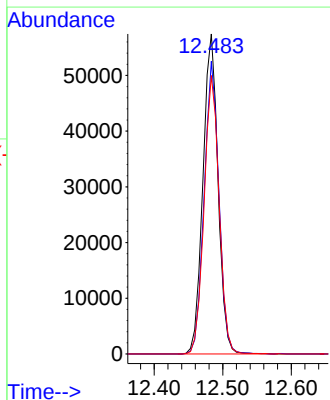
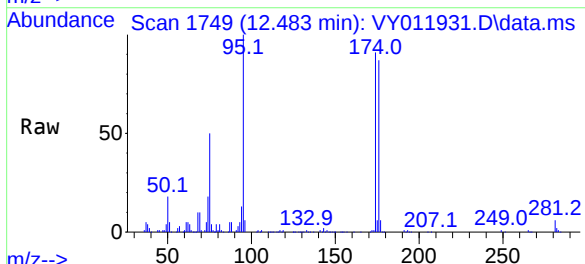
Instrument :
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RB-38-(3-5)

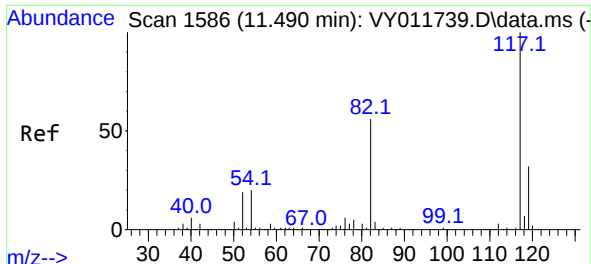
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 221.6 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 43.177 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 95 Resp: 88120
Ion Ratio Lower Upper
95 100
174 89.6 0.0 172.0
176 86.7 0.0 167.6

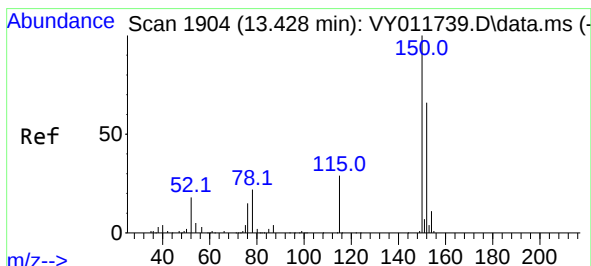
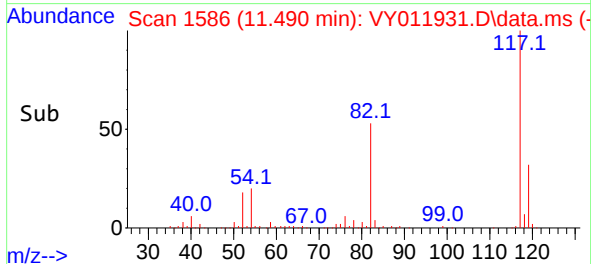
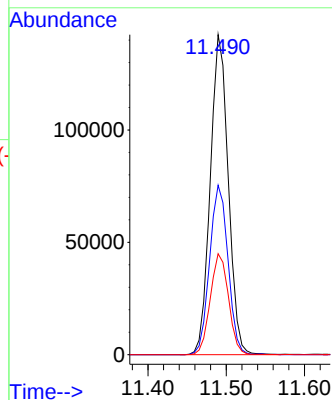
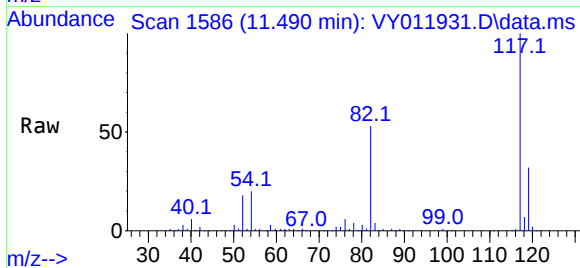




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

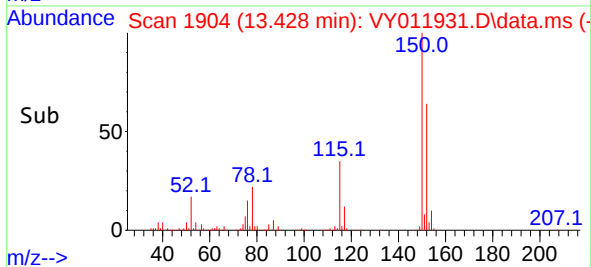
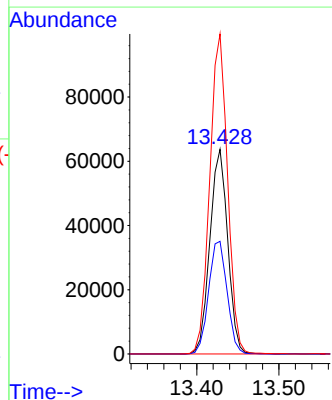
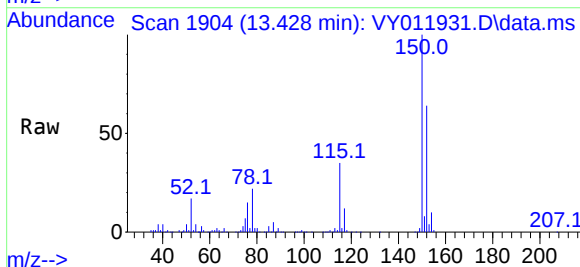
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

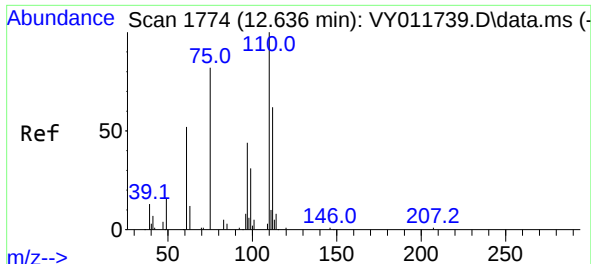
Tgt Ion:117 Resp: 227163
Ion Ratio Lower Upper
117 100
82 53.0 44.8 67.2
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion:152 Resp: 96202
Ion Ratio Lower Upper
152 100
115 56.9 29.1 87.3
150 156.0 0.0 342.6

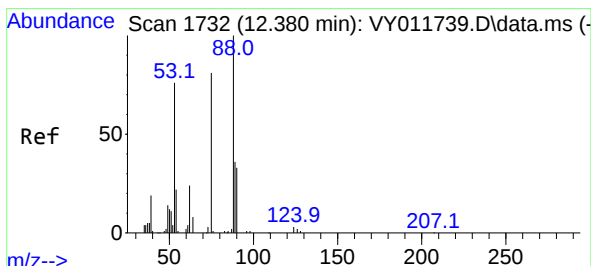
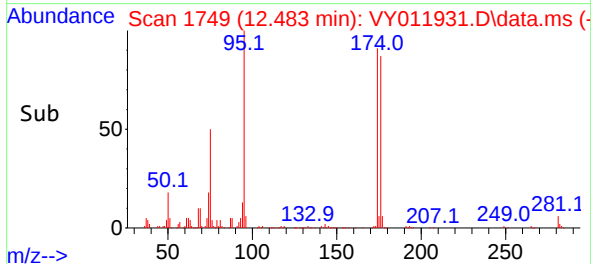
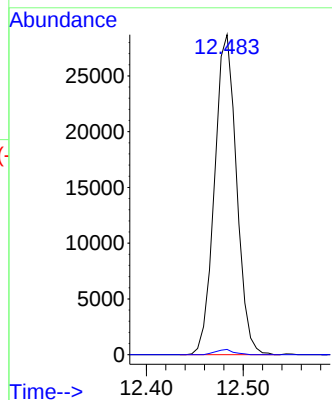
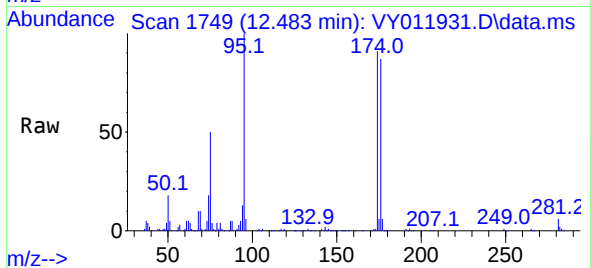




#76
1,2,3-Trichloropropane
Concen: 37.837 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

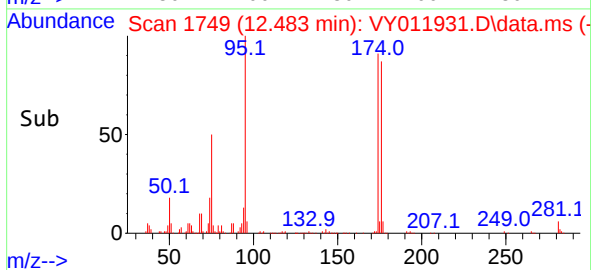
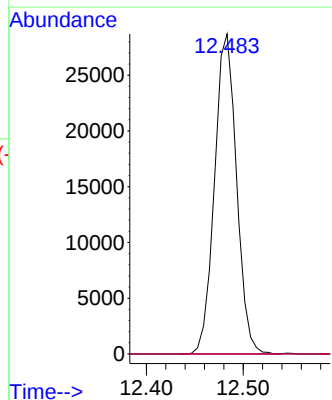
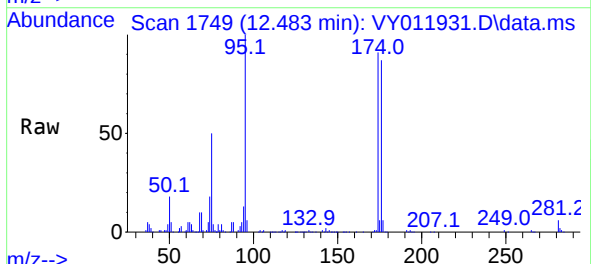
Instrument :
MSVOA_Y
ClientSampleId :
RB-38-(3-5)

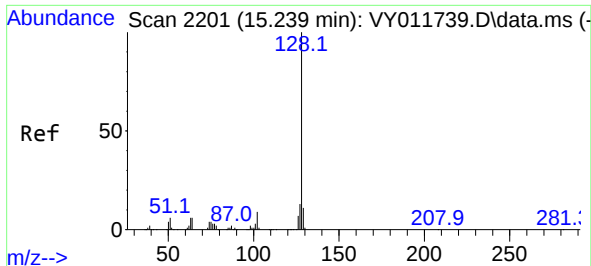
Tgt Ion: 75 Resp: 45294
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.617 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011931.D
Acq: 20 Dec 2022 18:44

Tgt Ion: 75 Resp: 45294
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 2.845 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011931.D

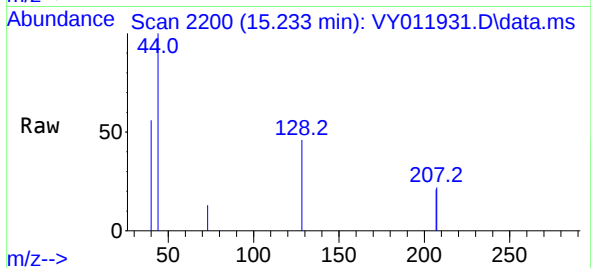
Acq: 20 Dec 2022 18:44

Instrument :

MSVOA_Y

ClientSampleId :

RB-38-(3-5)



Tgt Ion:128 Resp: 252

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

