

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011877.D
 Acq On : 15 Dec 2022 17:15
 Operator : KP/MD
 Sample : N6038-23
 Misc : 2.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-40-(3-5)

Quant Time: Dec 16 00:15:27 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)

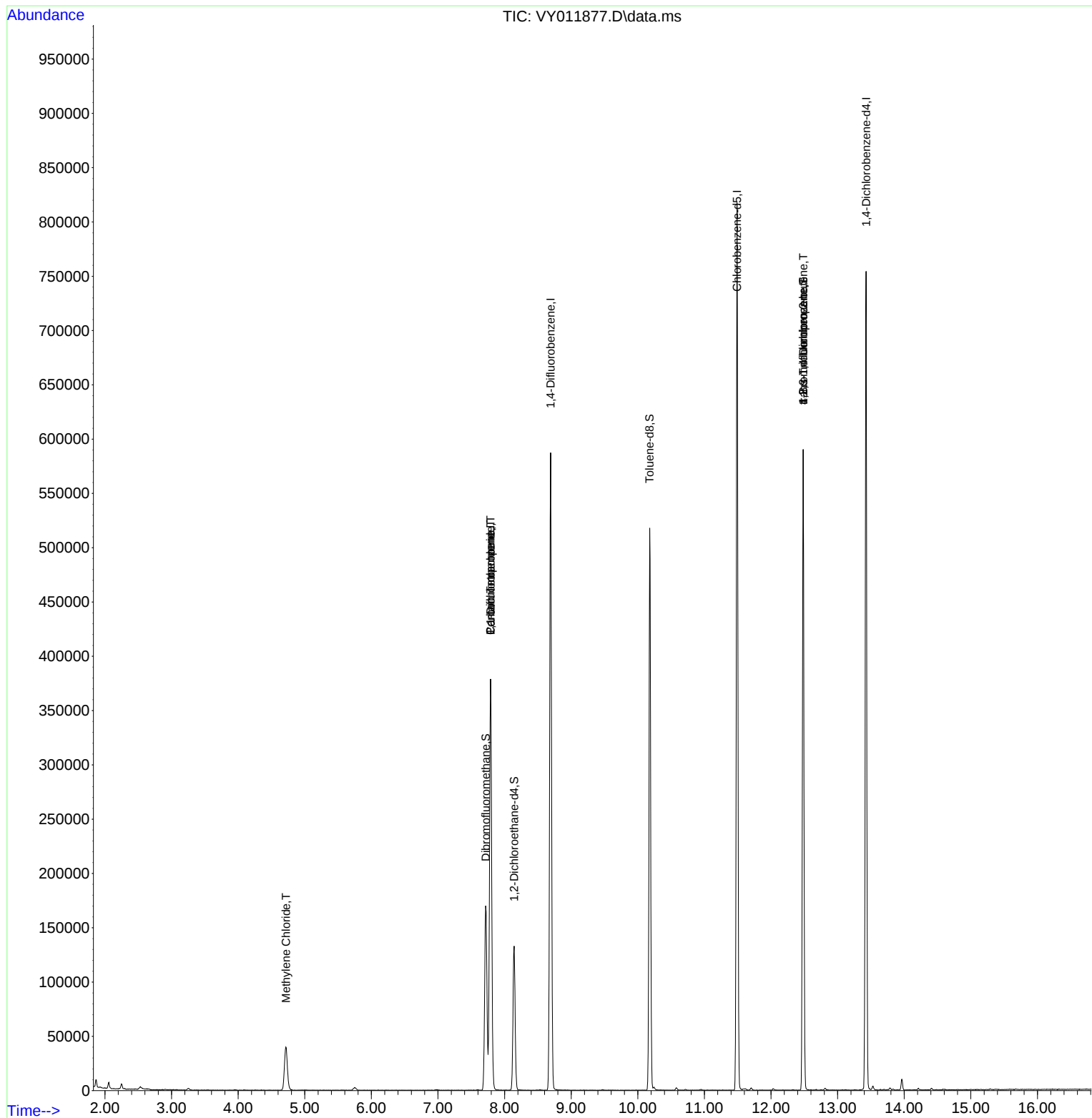
Internal Standards						
1) Pentafluorobenzene	7.789	168	294535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	495173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	433243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	194936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105263	52.625	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.240%	
35) Dibromofluoromethane	7.716	113	120878	55.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.720%	
50) Toluene-d8	10.179	98	340454	46.771	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.540%	
62) 4-Bromofluorobenzene	12.483	95	166301	58.724	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	91	Below Cal	#	41
3) Chloromethane	2.113	50	139	Below Cal	#	41
4) Vinyl Chloride	2.485	62	32	Below Cal	#	43
5) Bromomethane	2.662	94	154	Below Cal	#	52
11) Tert butyl alcohol	4.936	59	75	Below Cal	#	74
18) Methyl Acetate	4.472	43	125	Below Cal	#	50
20) Methylene Chloride	4.716	84	31218	5.699	ug/l	96
31) Cyclohexane	7.789	56	6029	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	21962	5.845	ug/l #	50
38) Carbon Tetrachloride	7.789	117	29500	6.683	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	88247	44.745	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	88247	101.534	ug/l #	13

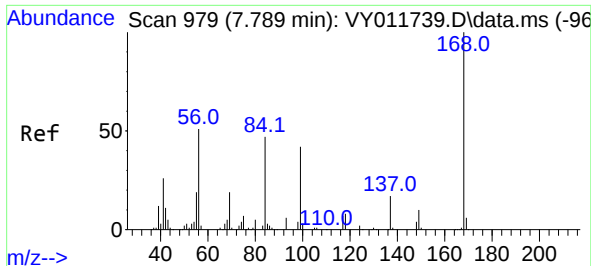
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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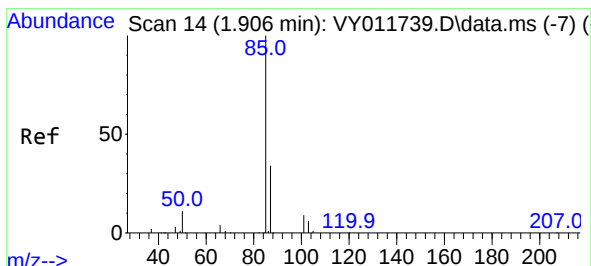
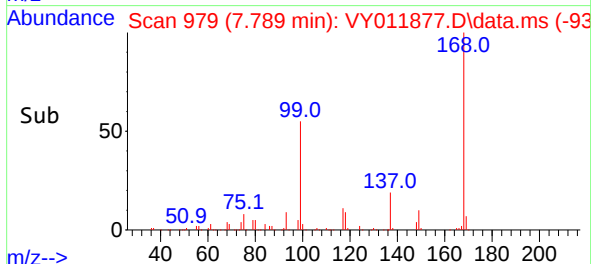
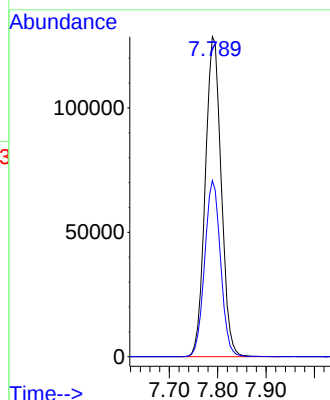
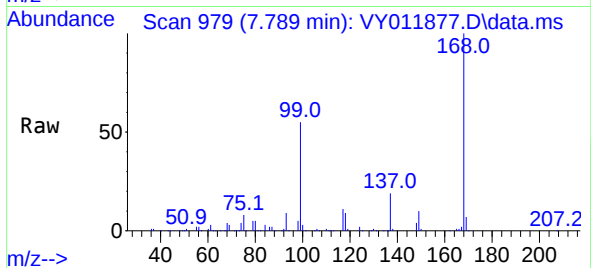




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

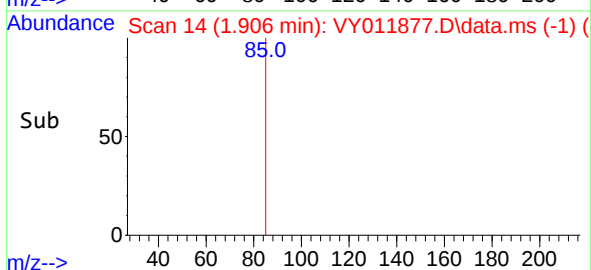
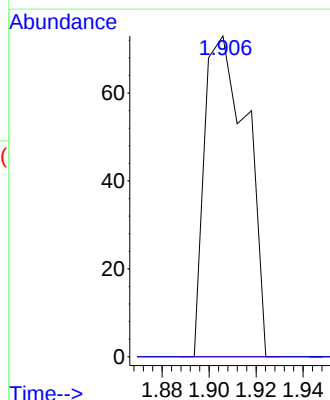
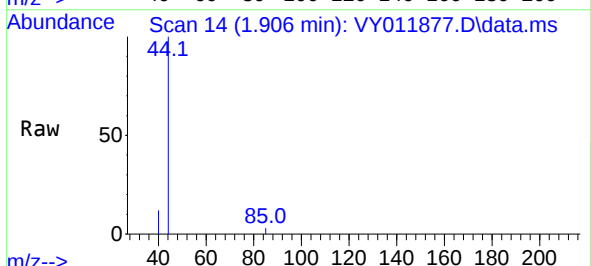
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(3-5)

Tgt Ion:168 Resp: 294535
Ion Ratio Lower Upper
168 100
99 55.0 44.0 66.0

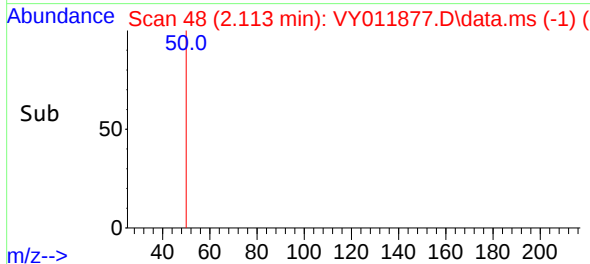
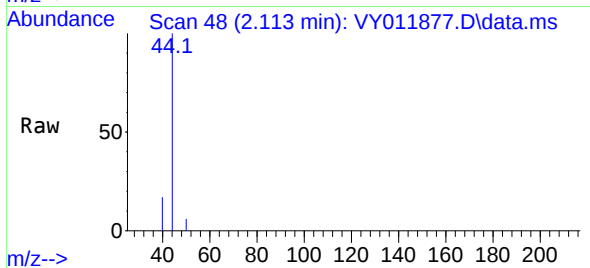
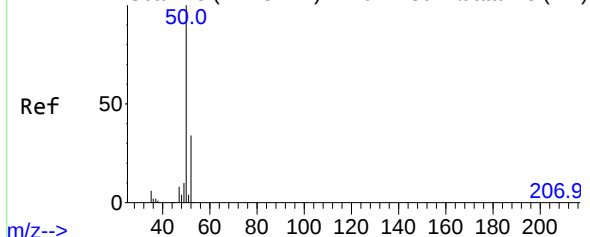


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Tgt Ion: 85 Resp: 91
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: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011877.D

Acq: 15 Dec 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

RB-40-(3-5)

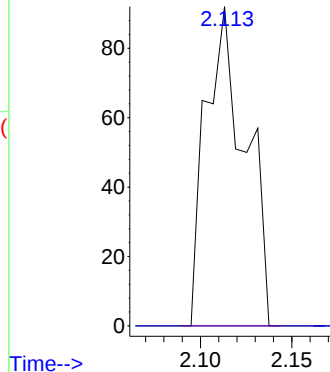
Tgt Ion: 50 Resp: 139

Ion Ratio Lower Upper

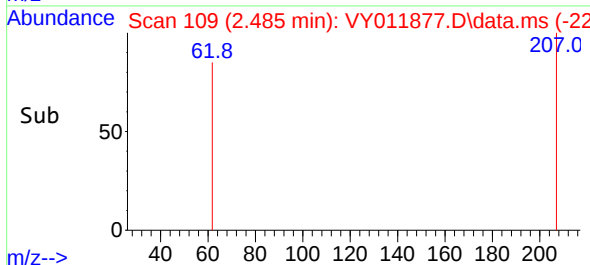
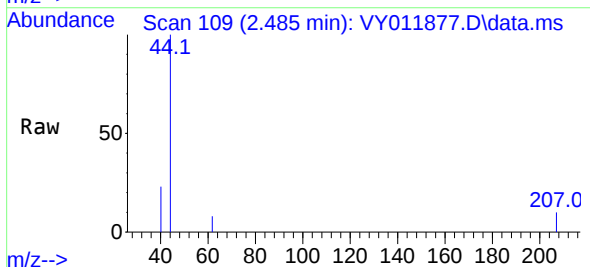
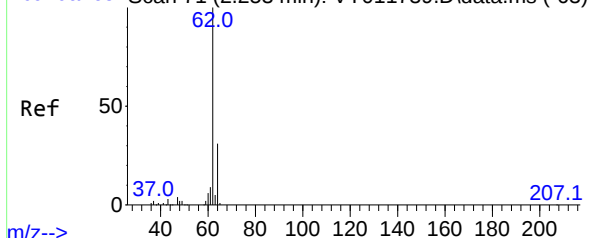
50 100

52 0.0 26.8 40.2#

Abundance



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



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.485 min Scan# 109

Delta R.T. 0.232 min

Lab File: VY011877.D

Acq: 15 Dec 2022 17:15

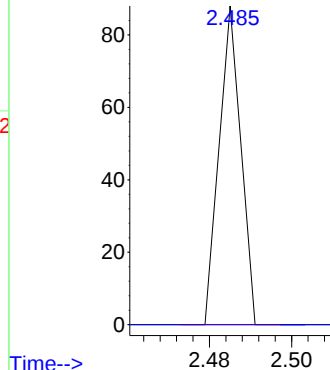
Tgt Ion: 62 Resp: 32

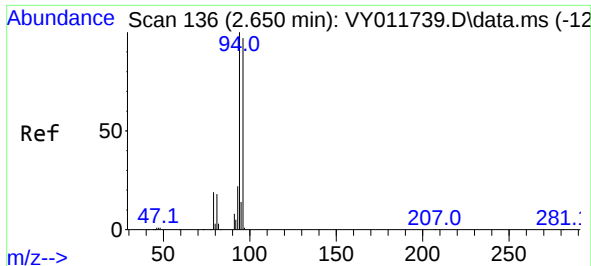
Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

Abundance

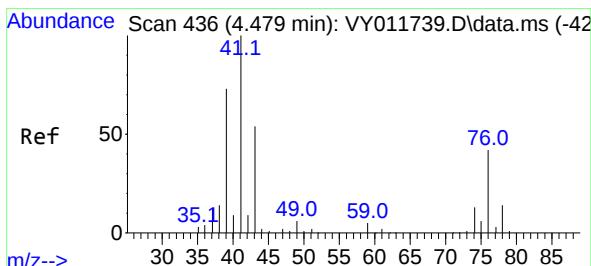
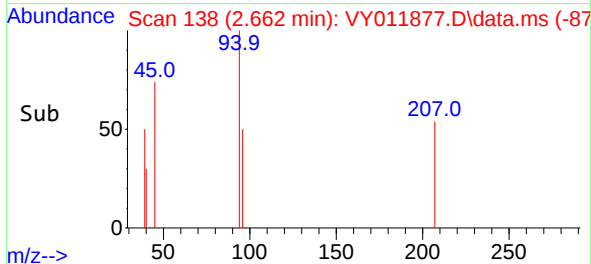
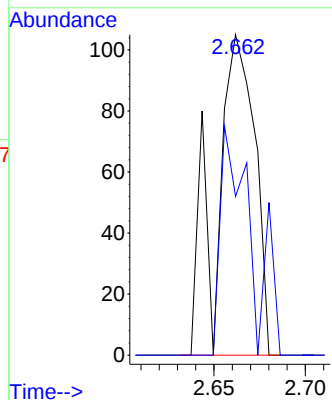
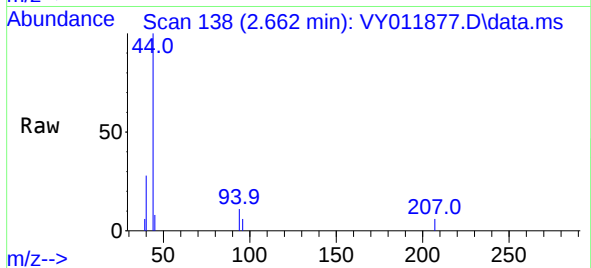




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

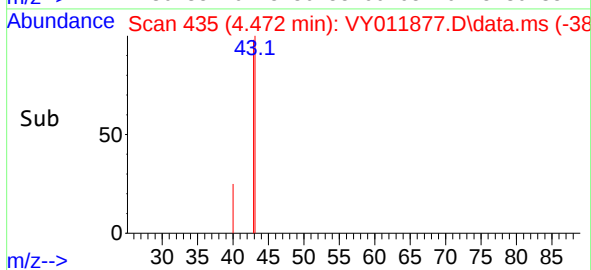
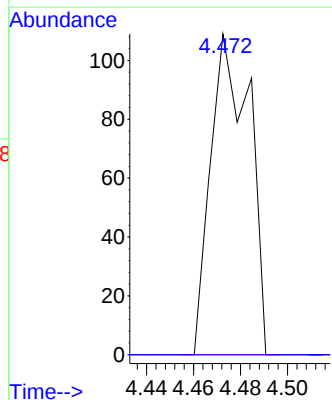
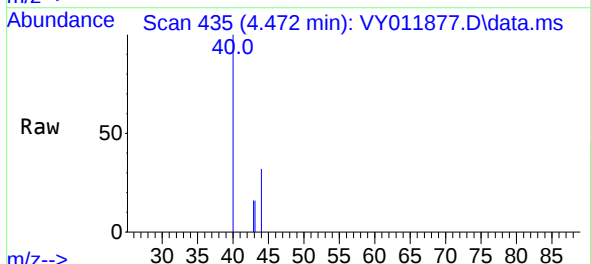
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(3-5)

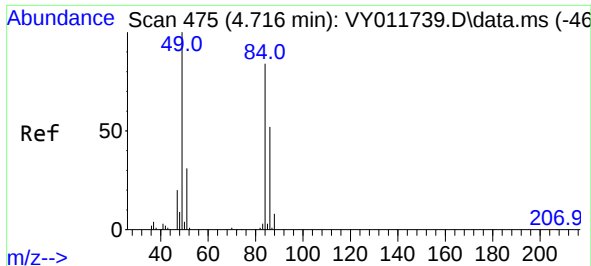
Tgt Ion: 94 Resp: 154
Ion Ratio Lower Upper
94 100
96 49.5 77.4 116.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.007 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



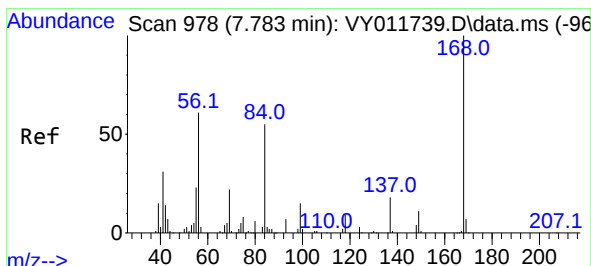
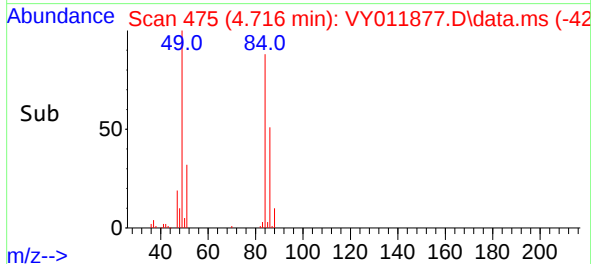
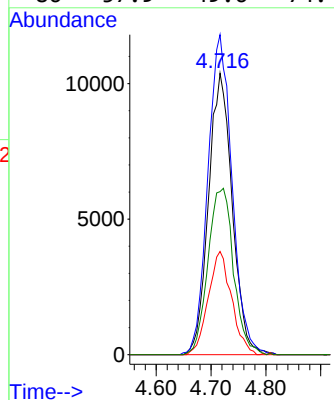
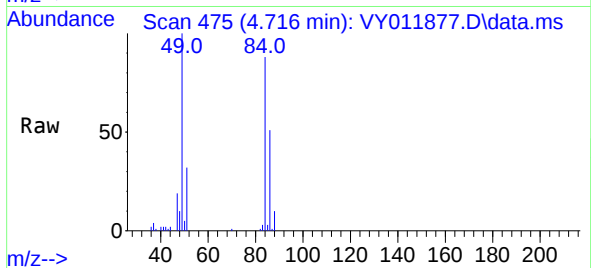


#20
Methylene Chloride
Concen: 5.699 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(3-5)

Tgt Ion: 84 Resp: 31218

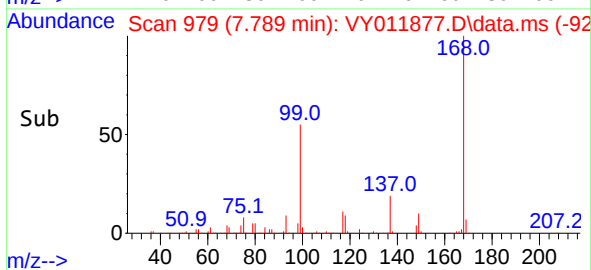
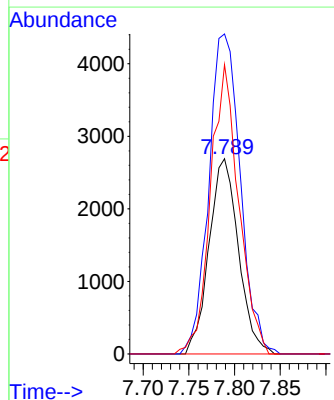
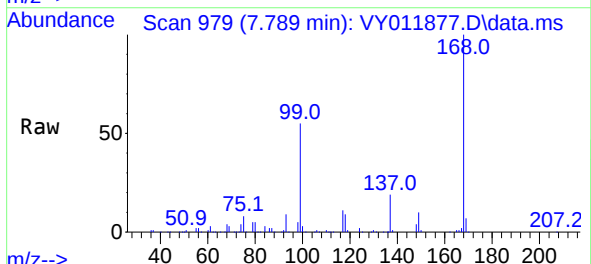
Ion	Ratio	Lower	Upper
84	100		
49	113.7	95.4	143.2
51	36.6	29.9	44.9
86	57.9	49.6	74.4

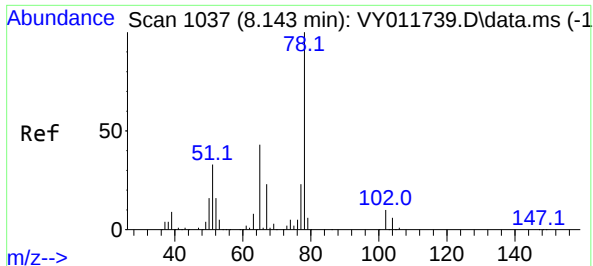


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Tgt Ion: 56 Resp: 6029

Ion	Ratio	Lower	Upper
56	100		
69	163.9	29.2	43.8#
84	148.1	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.625 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011877.D

Acq: 15 Dec 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

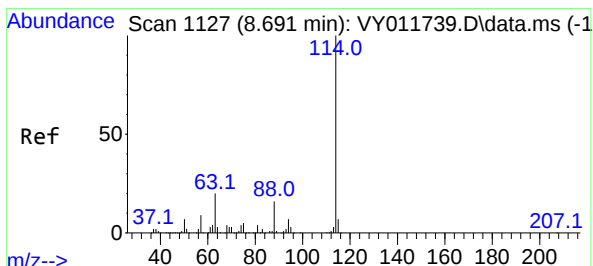
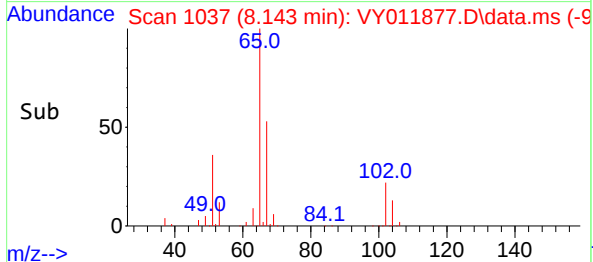
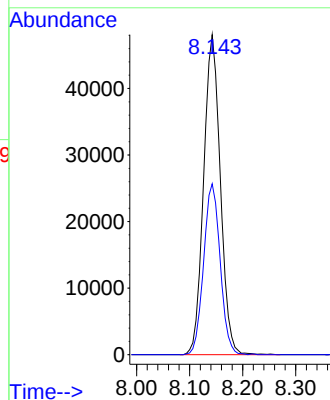
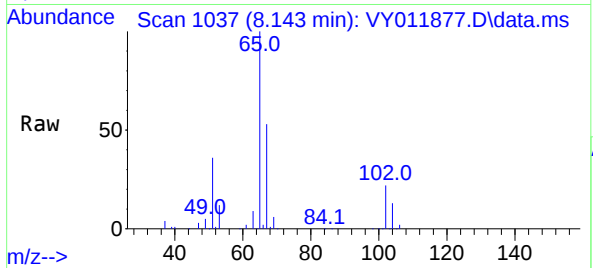
RB-40-(3-5)

Tgt Ion: 65 Resp: 105263

Ion Ratio Lower Upper

65 100

67 52.7 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: VY011877.D

Acq: 15 Dec 2022 17:15

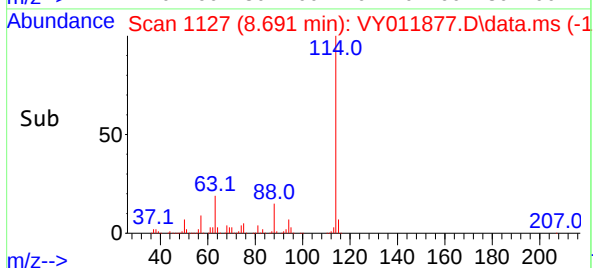
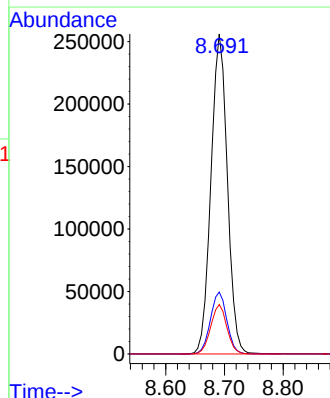
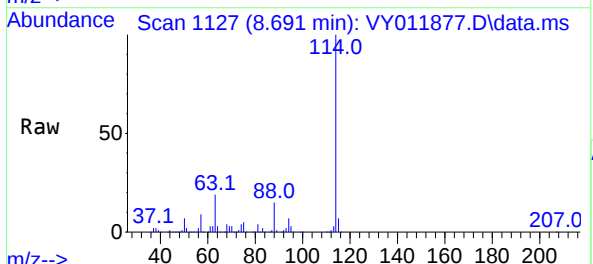
Tgt Ion: 114 Resp: 495173

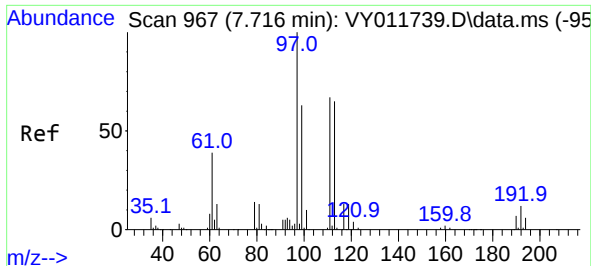
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.5 0.0 32.2

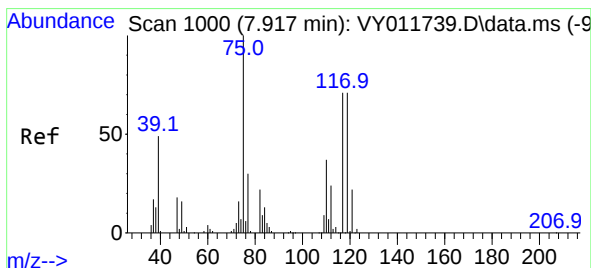
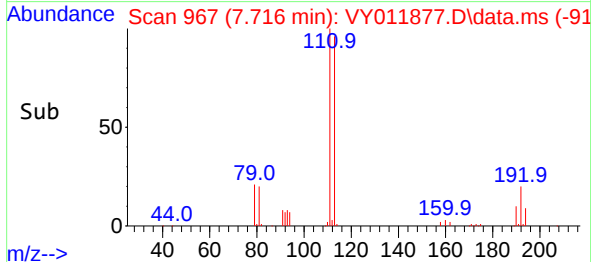
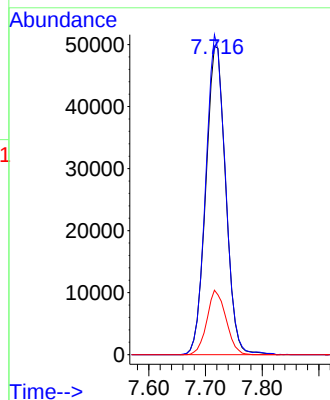
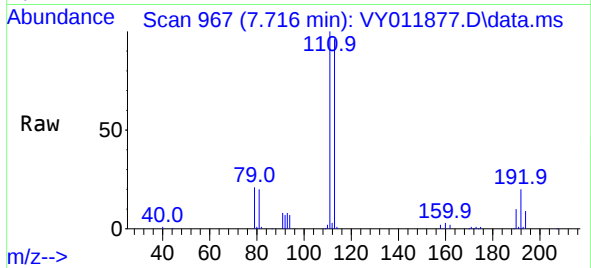




#35
Dibromofluoromethane
Concen: 55.361 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

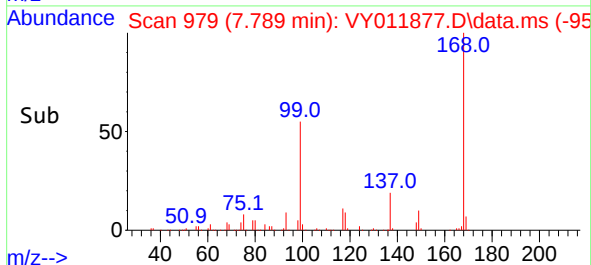
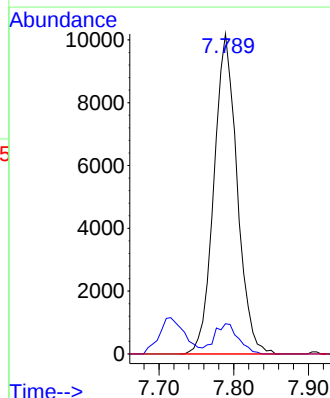
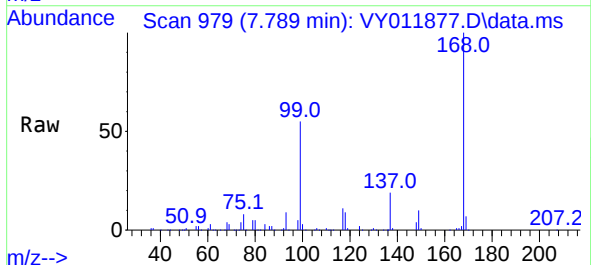
Instrument :
MSVOA_Y
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RB-40-(3-5)

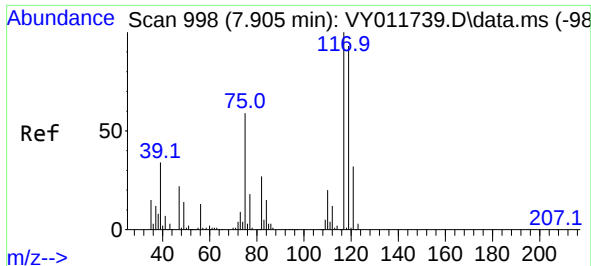
Tgt Ion:113 Resp: 120878
Ion Ratio Lower Upper
113 100
111 102.2 83.0 124.4
192 20.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.845 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

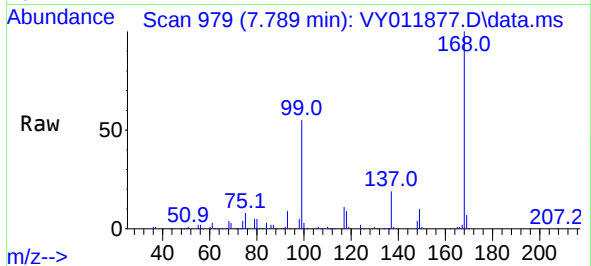
Tgt Ion: 75 Resp: 21962
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#



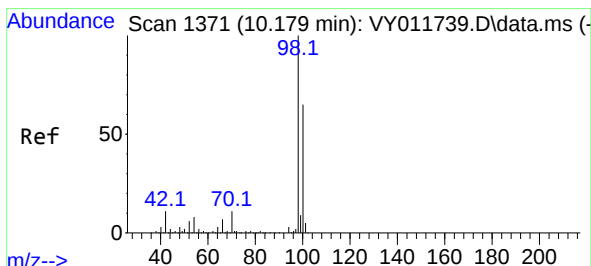
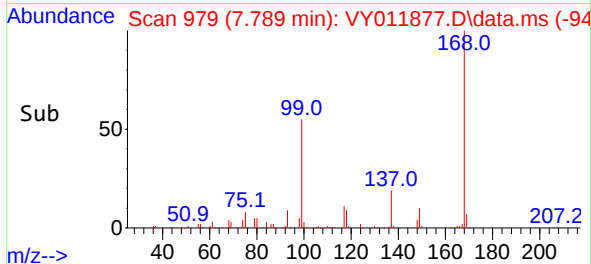
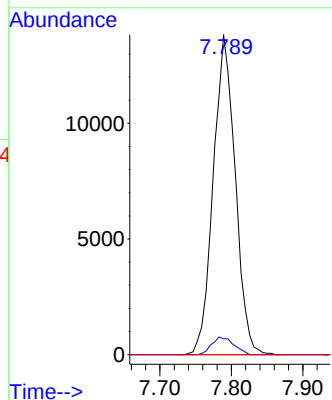


#38
Carbon Tetrachloride
Concen: 6.683 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(3-5)

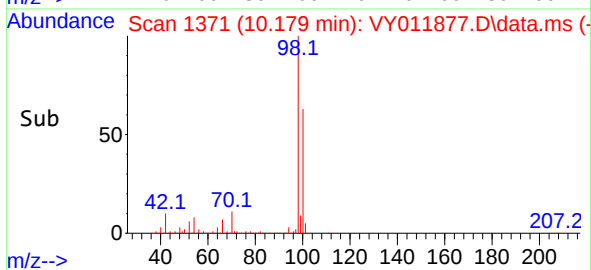
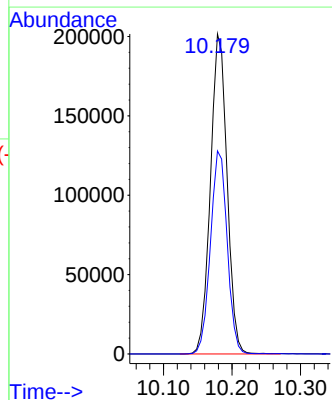
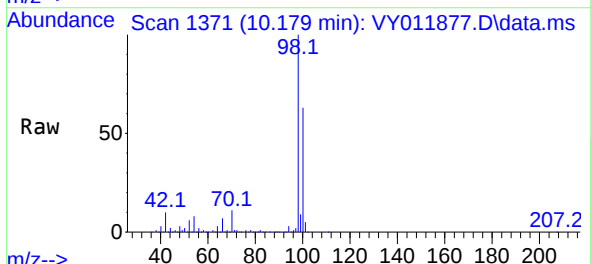


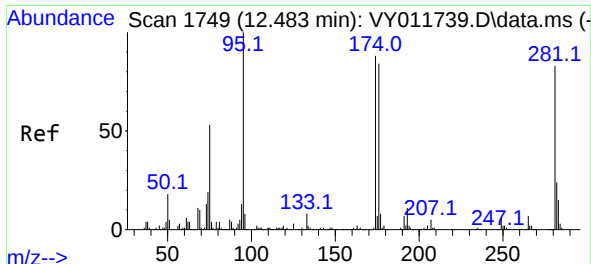
Tgt Ion:117 Resp: 29500
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 46.771 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Tgt Ion: 98 Resp: 340454
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

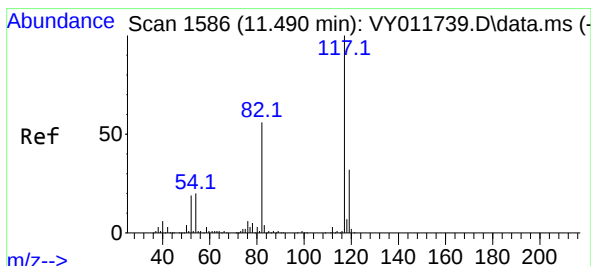
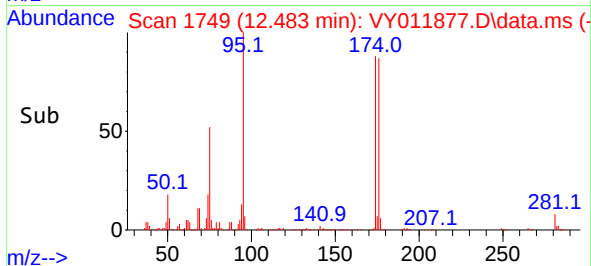
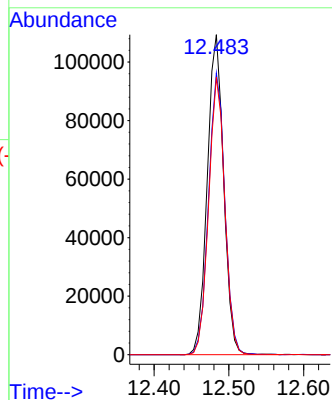
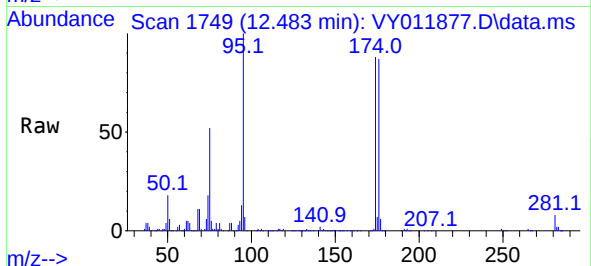




#62
4-Bromofluorobenzene
Concen: 58.724 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

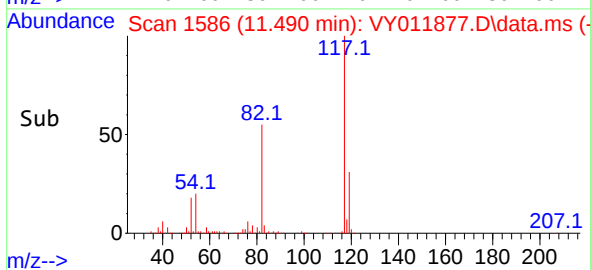
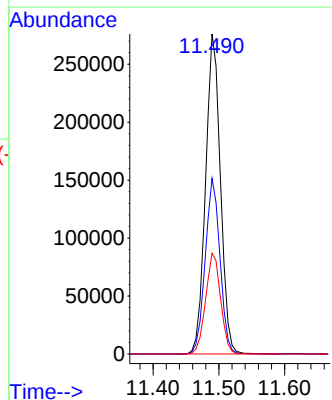
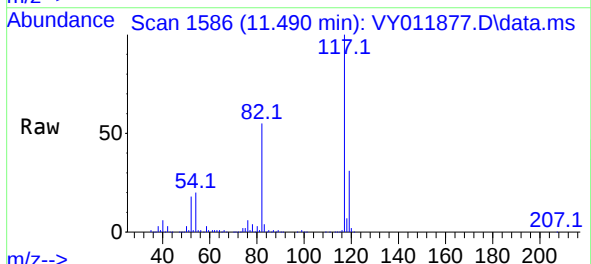
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(3-5)

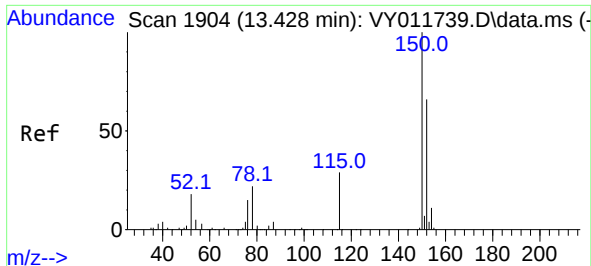
Tgt Ion: 95 Resp: 166301
Ion Ratio Lower Upper
95 100
174 88.1 0.0 172.0
176 85.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011877.D
Acq: 15 Dec 2022 17:15

Tgt Ion: 117 Resp: 433243
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 31.5 25.4 38.2

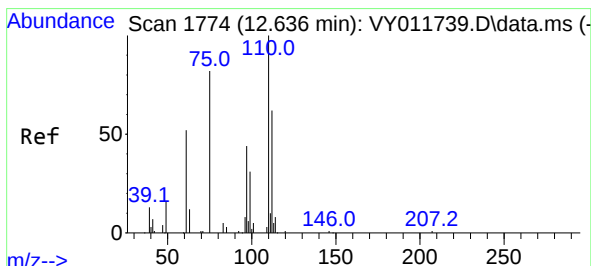
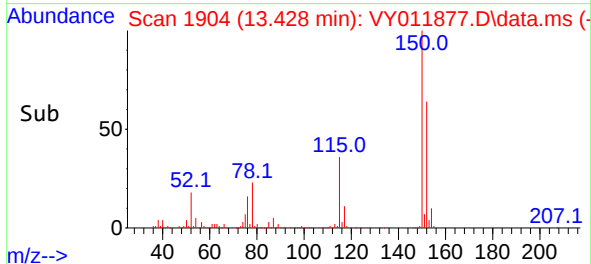
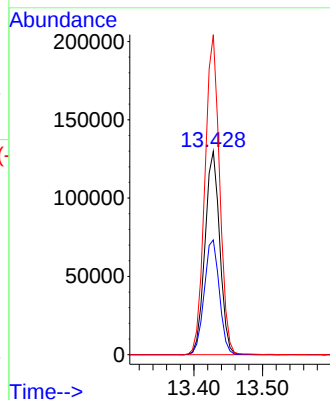
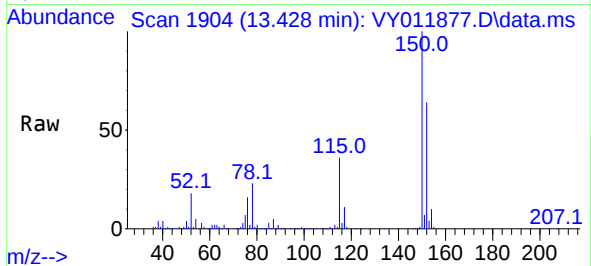




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011877.D
 Acq: 15 Dec 2022 17:15

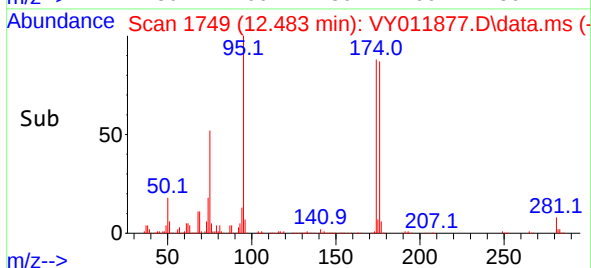
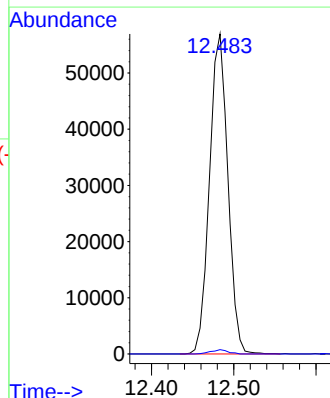
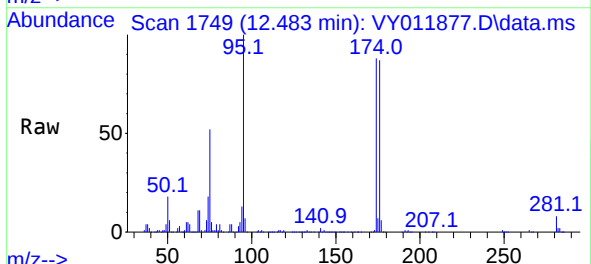
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-40-(3-5)

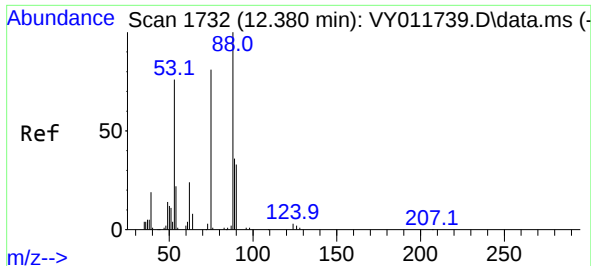
Tgt Ion:152 Resp: 194936
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.1 87.3
 150 157.3 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 44.745 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011877.D
 Acq: 15 Dec 2022 17:15

Tgt Ion: 75 Resp: 88247
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.534 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011877.D
 Acq: 15 Dec 2022 17:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-40-(3-5)

Tgt Ion: 75 Resp: 88247
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#

