

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011803.D
 Acq On : 13 Dec 2022 18:49
 Operator : KP/MD
 Sample : N6037-03
 Misc : 2.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-18-(2-4)

Quant Time: Dec 13 22:19:37 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)

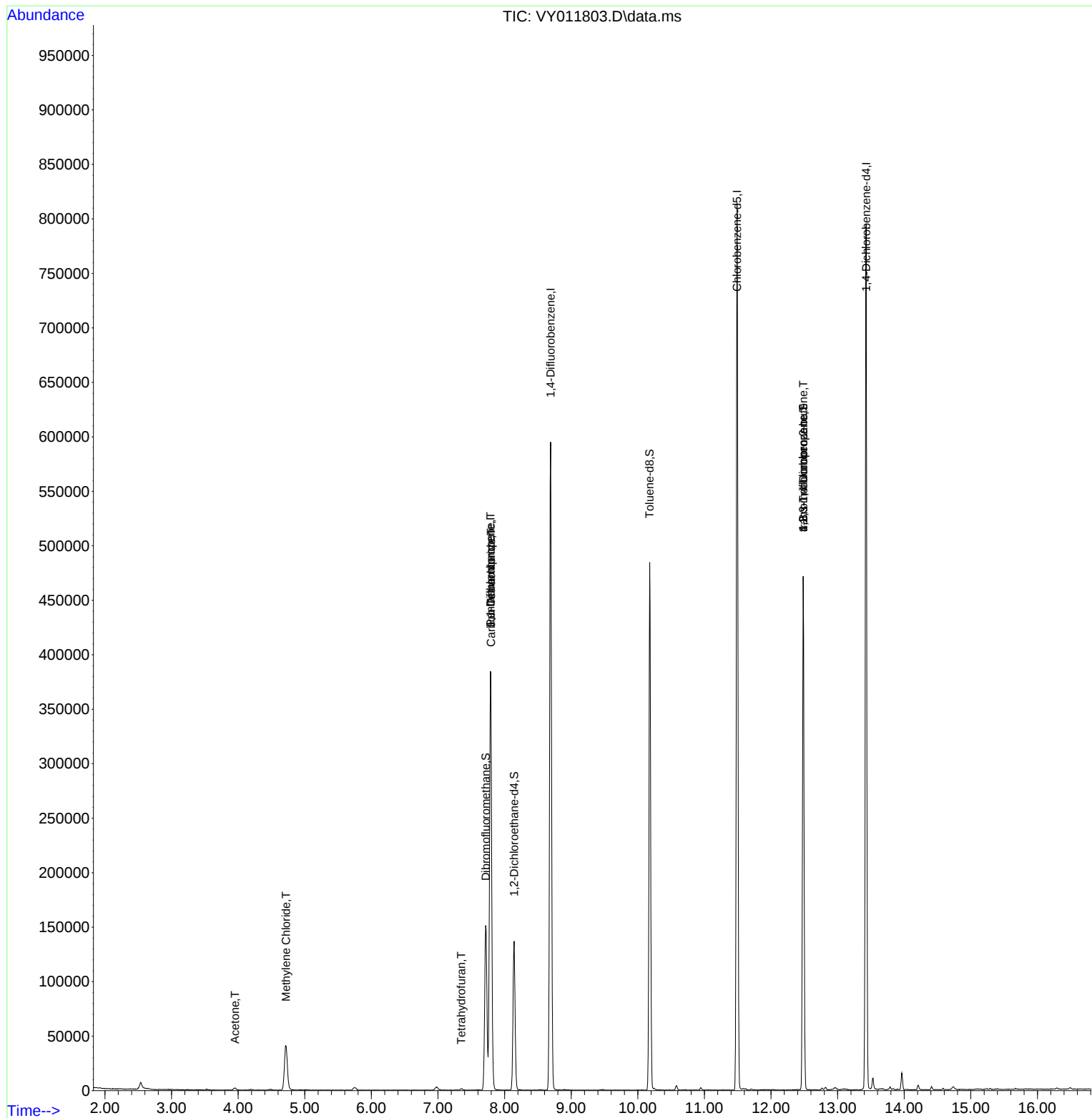
Internal Standards						
1) Pentafluorobenzene	7.789	168	301115	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	507836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	443864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	205803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	106238	51.884	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.760%	
35) Dibromofluoromethane	7.715	113	107254	47.328	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.660%	
50) Toluene-d8	10.178	98	314658	41.393	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.780%	
62) 4-Bromofluorobenzene	12.483	95	125426	41.855	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	227	Below Cal	#	1
4) Vinyl Chloride	2.497	62	18	Below Cal	#	43
5) Bromomethane	2.655	94	175	Below Cal	#	69
11) Tert butyl alcohol	4.960	59	513	Below Cal	#	74
16) Acetone	3.954	43	3723	4.528	ug/l	92
18) Methyl Acetate	4.484	43	1373	Below Cal		97
20) Methylene Chloride	4.716	84	32804	6.043	ug/l	98
29) Tetrahydrofuran	7.350	42	994	1.651	ug/l	95
31) Cyclohexane	7.795	56	5995	Below Cal	#	16
36) 1,1-Dichloropropene	7.789	75	22271	5.779	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	30242	6.681	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	66484	31.930	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	66484	72.455	ug/l	# 13

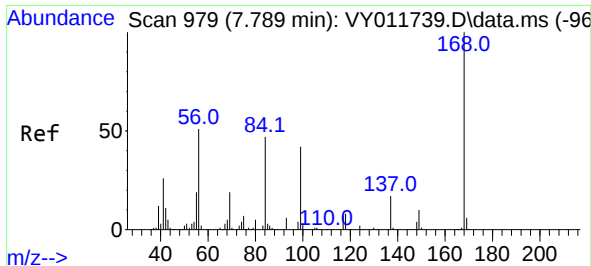
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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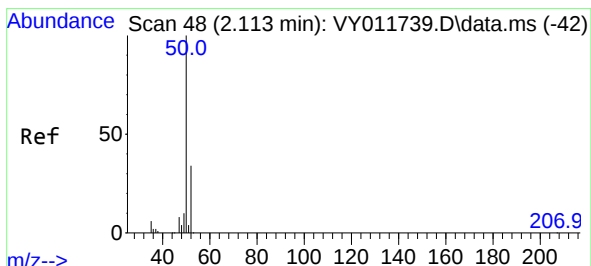
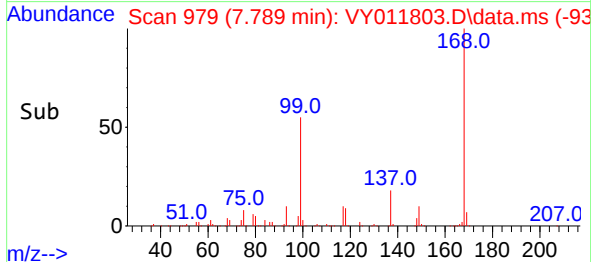
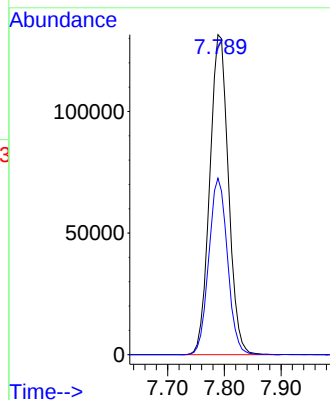
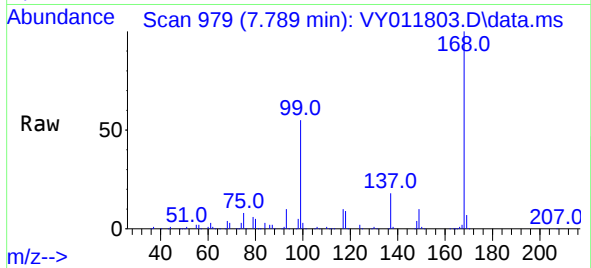




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

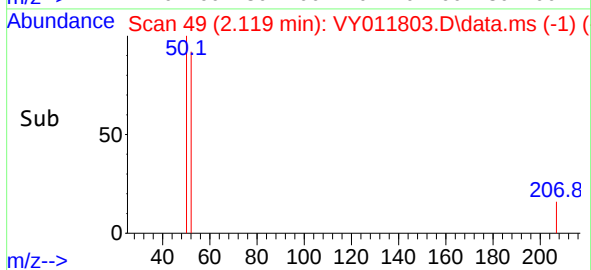
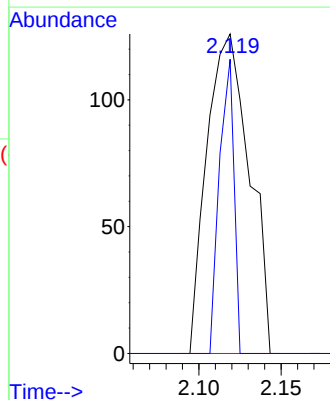
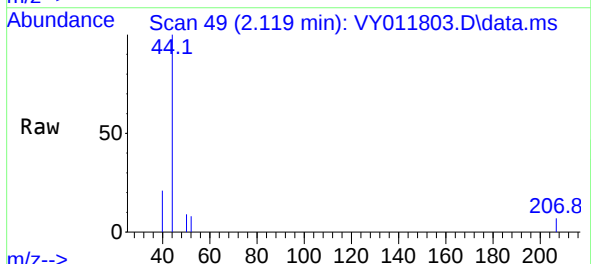
Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

Tgt Ion:168 Resp: 301115
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0

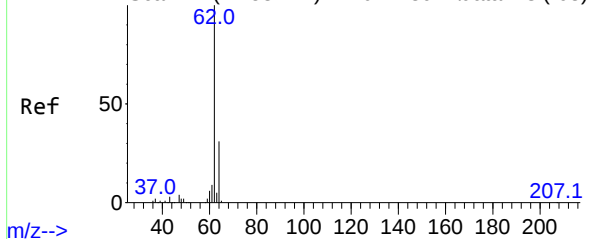


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 50 Resp: 227
Ion Ratio Lower Upper
50 100
52 92.1 26.8 40.2#



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



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.497 min Scan# 111

Delta R.T. 0.244 min

Lab File: VY011803.D

Acq: 13 Dec 2022 18:49

Instrument :

MSVOA_Y

ClientSampleId :

RB-18-(2-4)

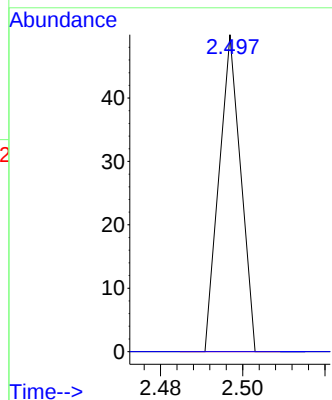
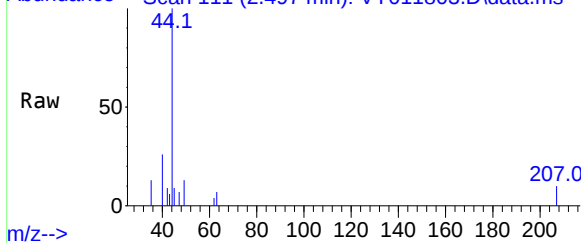
Tgt Ion: 62 Resp: 18

Ion Ratio Lower Upper

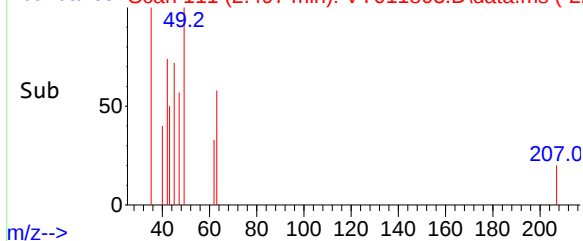
62 100

64 0.0 25.0 37.6#

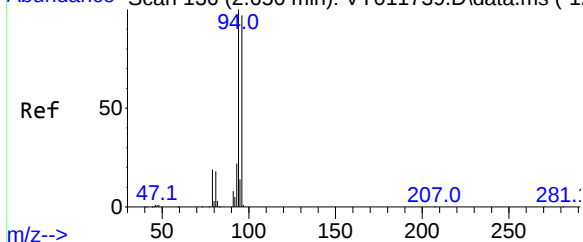
Abundance Scan 111 (2.497 min): VY011803.D\data.ms



Abundance Scan 111 (2.497 min): VY011803.D\data.ms (-22)



Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.655 min Scan# 137

Delta R.T. 0.005 min

Lab File: VY011803.D

Acq: 13 Dec 2022 18:49

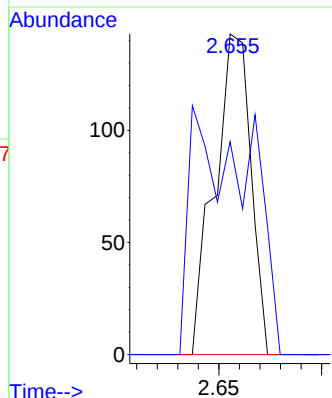
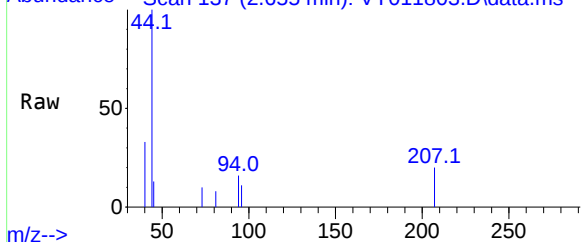
Tgt Ion: 94 Resp: 175

Ion Ratio Lower Upper

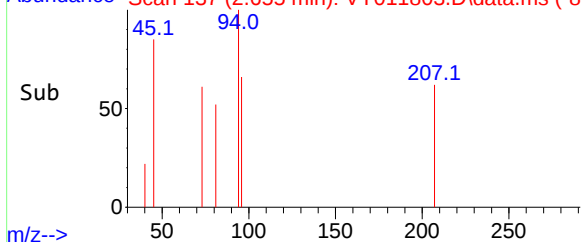
94 100

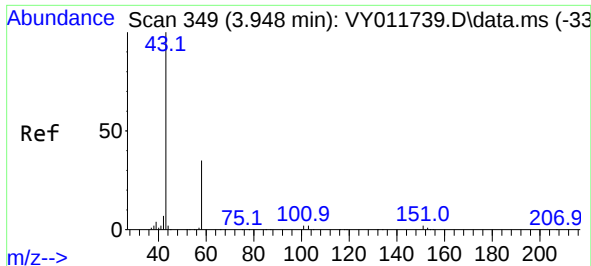
96 66.4 77.4 116.2#

Abundance Scan 137 (2.655 min): VY011803.D\data.ms



Abundance Scan 137 (2.655 min): VY011803.D\data.ms (-87)

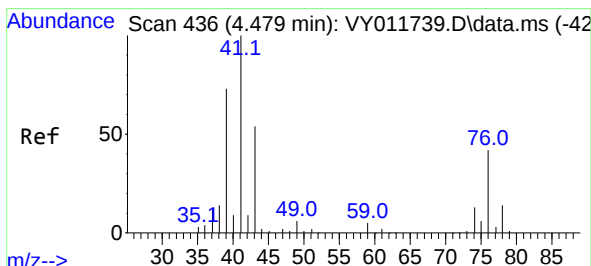
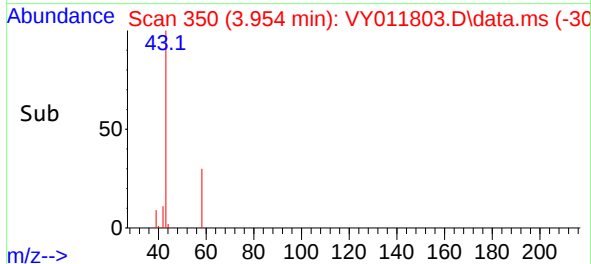
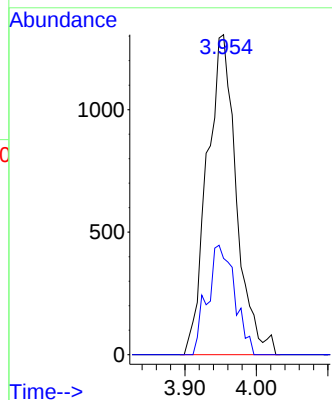
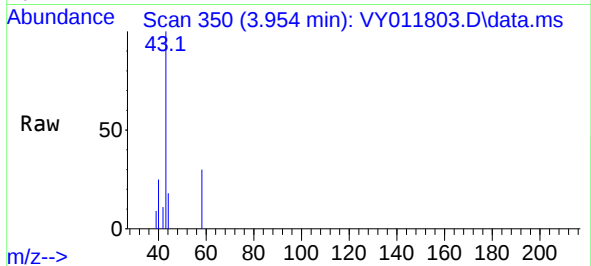




#16
Acetone
Concen: 4.528 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

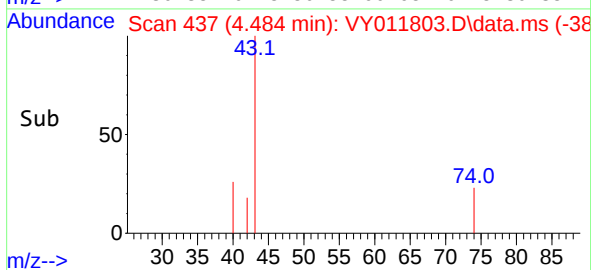
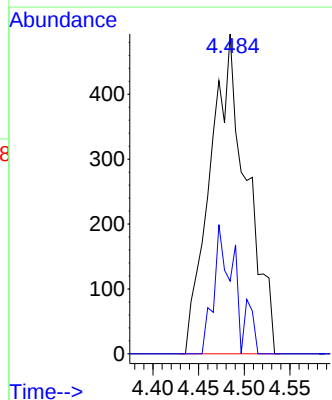
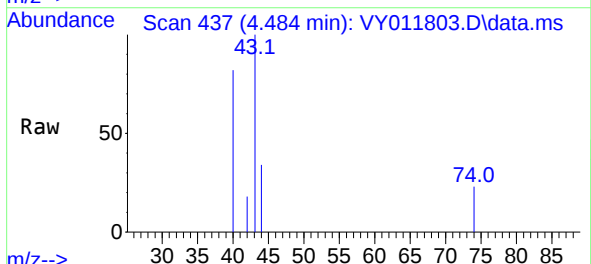
Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

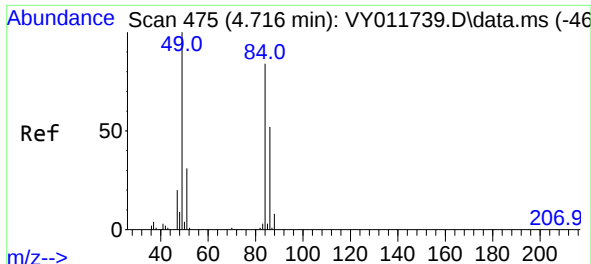
Tgt Ion: 43 Resp: 3723
Ion Ratio Lower Upper
43 100
58 30.1 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 437
Delta R.T. 0.005 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
74 23.8 20.1 30.1



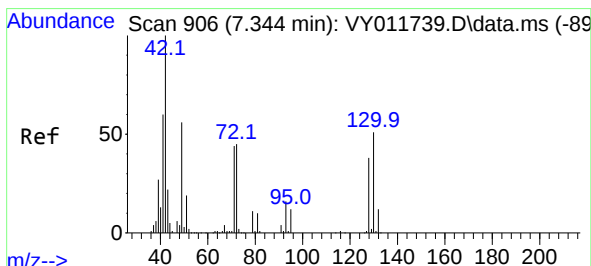
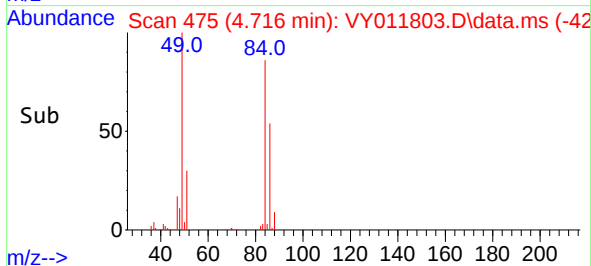
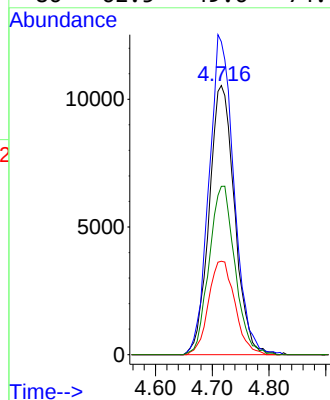
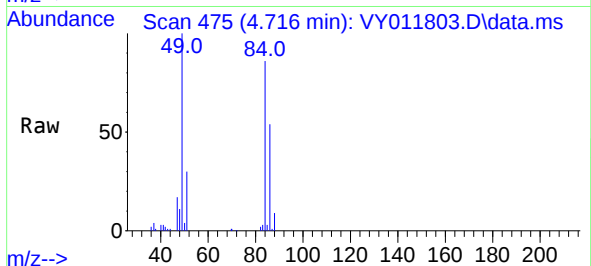


#20
Methylene Chloride
Concen: 6.043 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

Tgt Ion: 84 Resp: 32804

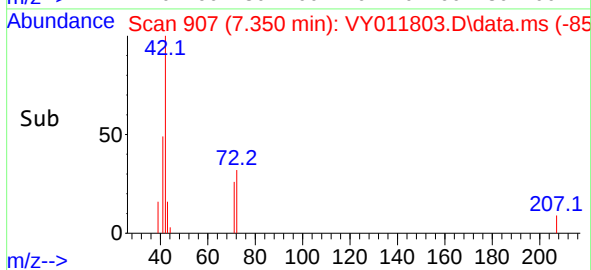
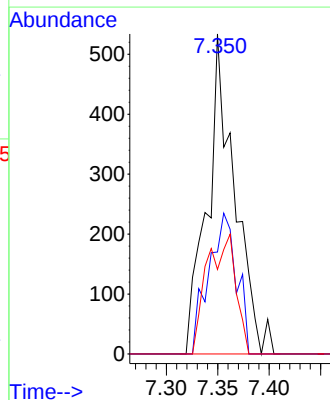
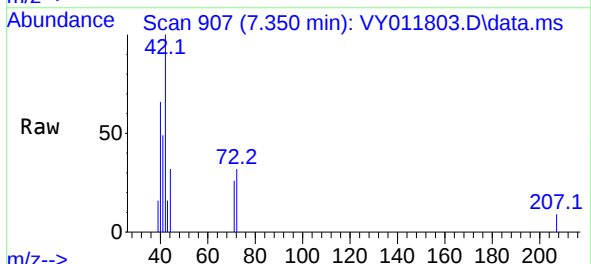
Ion	Ratio	Lower	Upper
84	100		
49	116.3	95.4	143.2
51	34.7	29.9	44.9
86	62.5	49.6	74.4

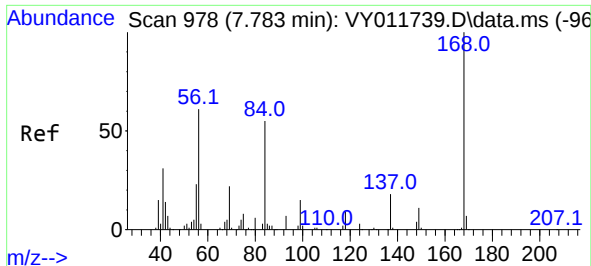


#29
Tetrahydrofuran
Concen: 1.651 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 42 Resp: 994

Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.0	55.6
71	39.0	34.9	52.3

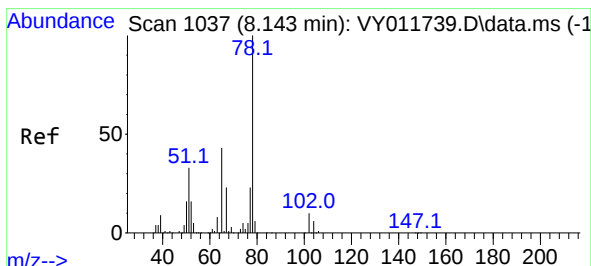
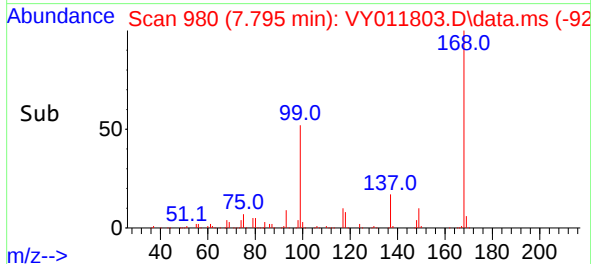
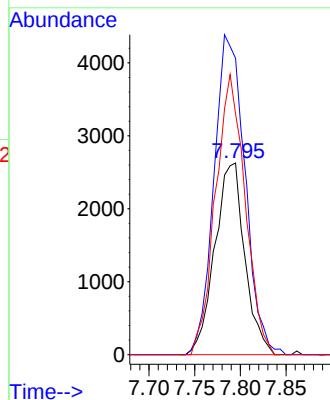
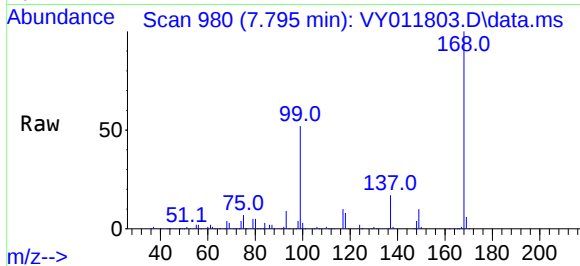




#31
Cyclohexane
Concen: Below Cal
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

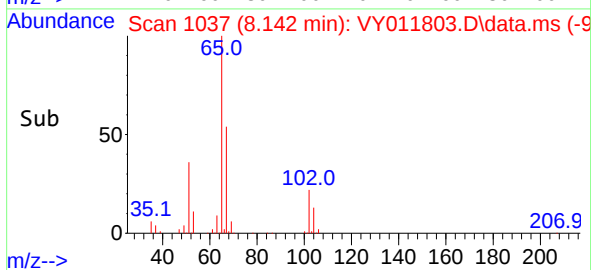
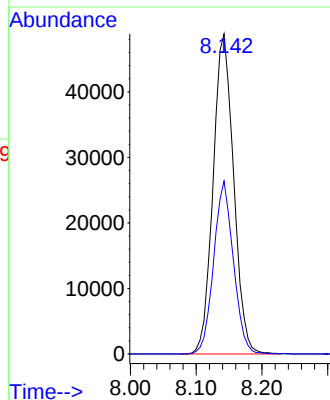
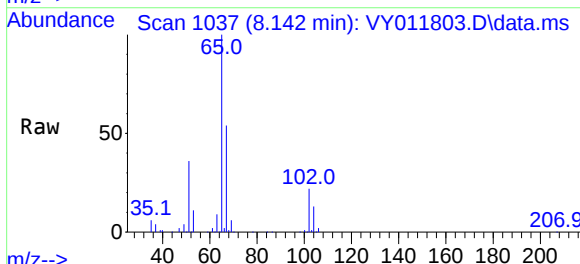
Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

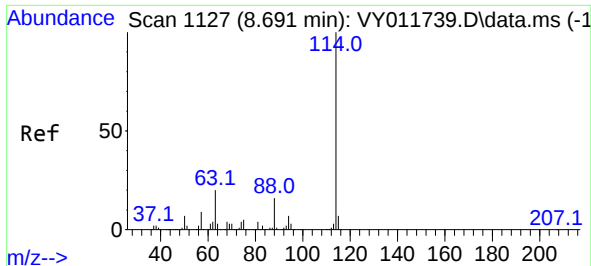
Tgt Ion: 56 Resp: 5995
Ion Ratio Lower Upper
56 100
69 154.7 29.2 43.8#
84 125.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 51.884 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 65 Resp: 106238
Ion Ratio Lower Upper
65 100
67 51.8 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: VY011803.D

Acq: 13 Dec 2022 18:49

Instrument :

MSVOA_Y

ClientSampleId :

RB-18-(2-4)

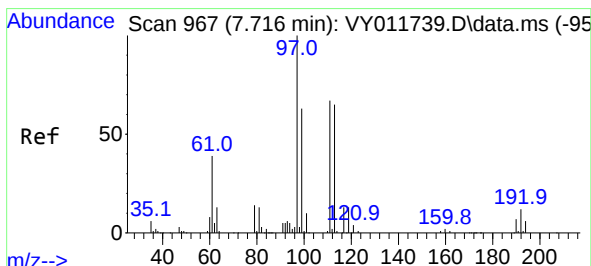
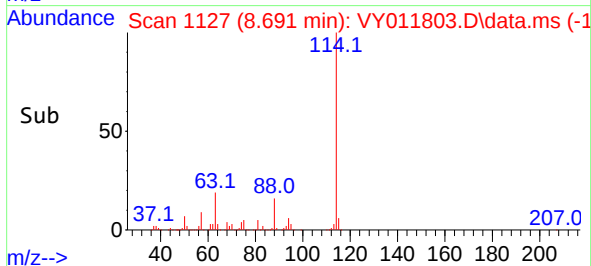
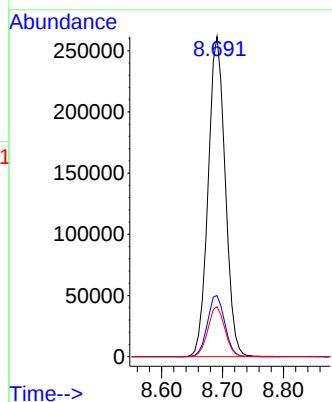
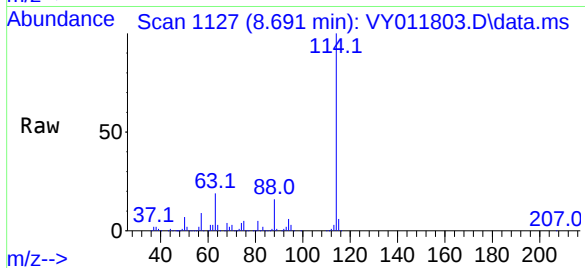
Tgt Ion:114 Resp: 507836

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.328 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY011803.D

Acq: 13 Dec 2022 18:49

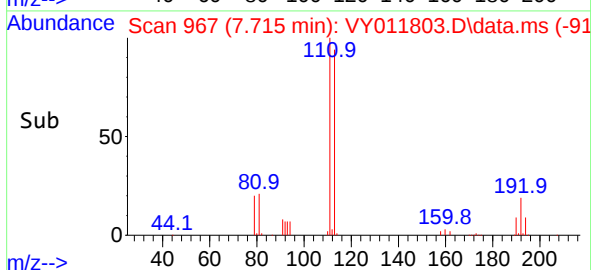
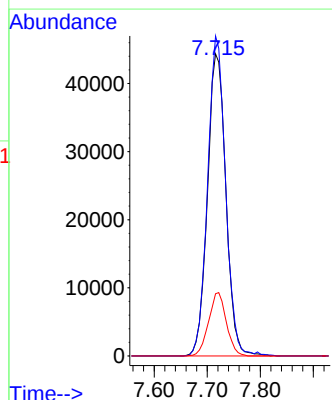
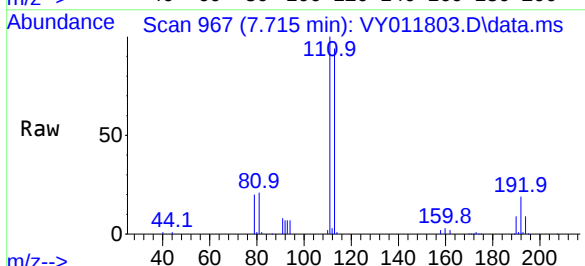
Tgt Ion:113 Resp: 107254

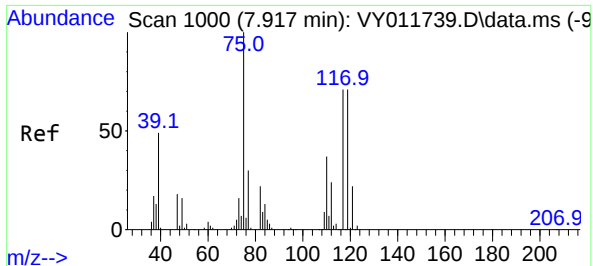
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

192 20.2 16.0 24.0

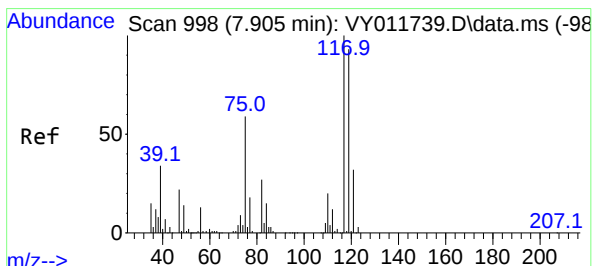
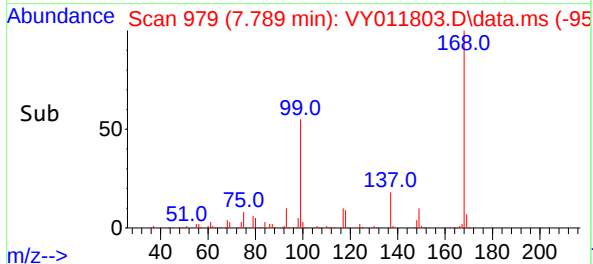
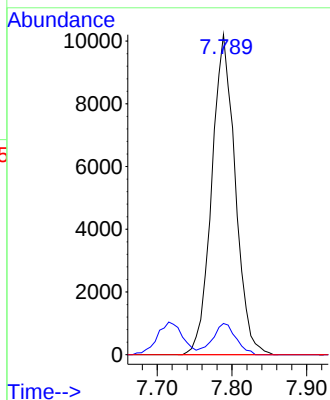
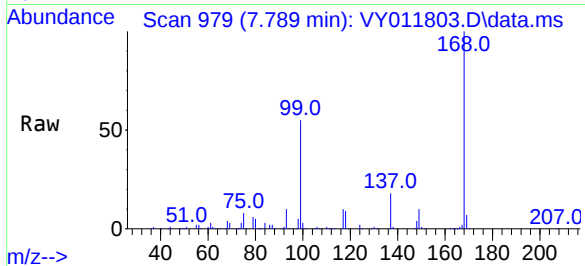




#36
1,1-Dichloropropene
Concen: 5.779 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

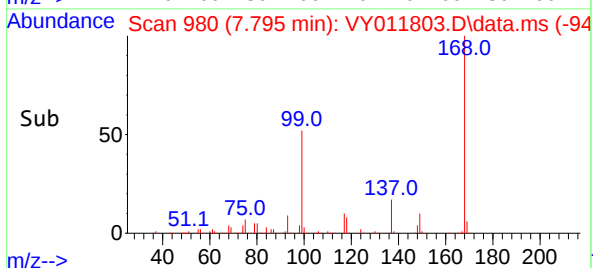
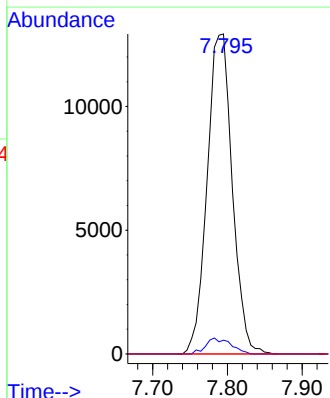
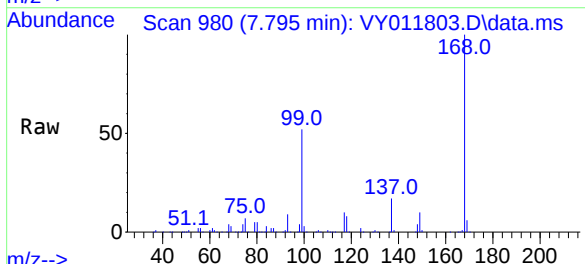
Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

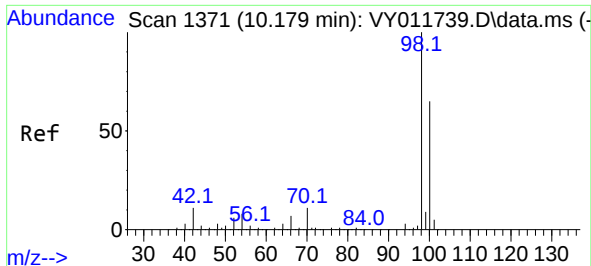
Tgt Ion: 75 Resp: 22271
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.681 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 117 Resp: 30242
Ion Ratio Lower Upper
117 100
119 4.3 73.8 110.8#
121 0.0 25.2 37.8#

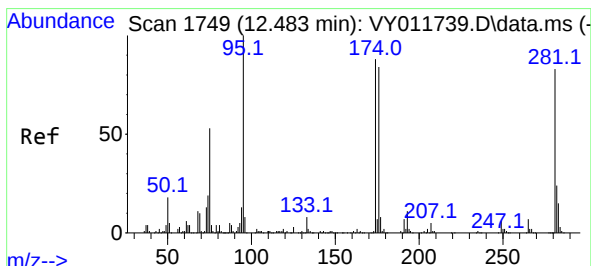
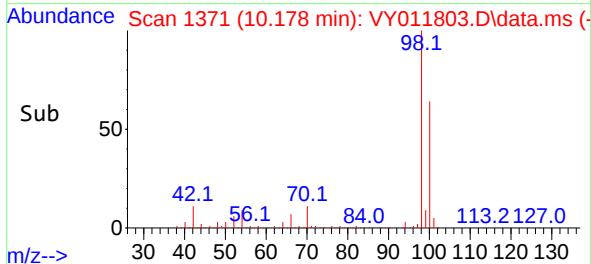
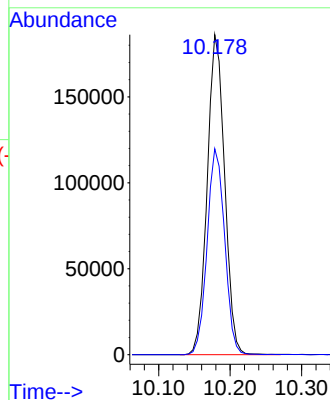
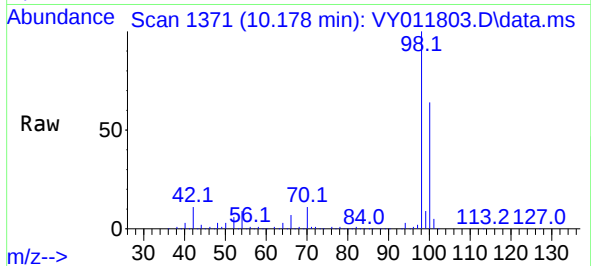




#50
Toluene-d8
Concen: 41.393 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

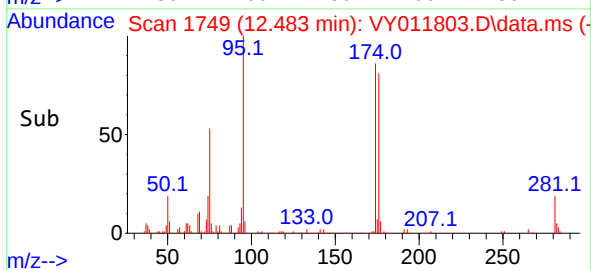
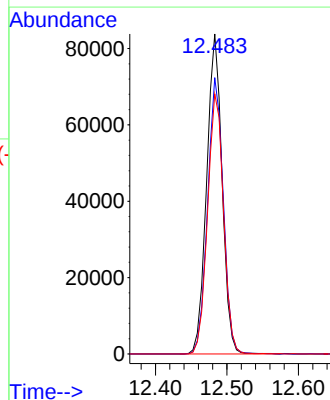
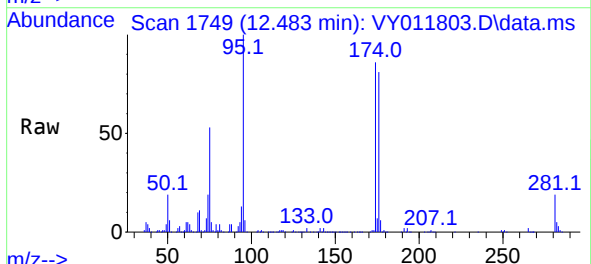
Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

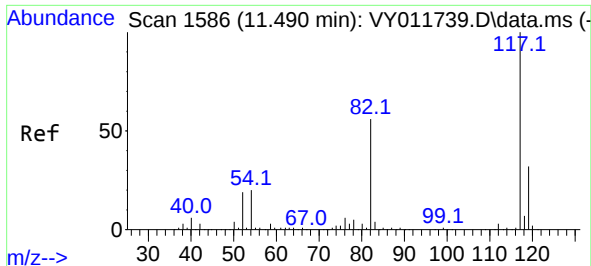
Tgt Ion: 98 Resp: 314658
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 41.855 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 95 Resp: 125426
Ion Ratio Lower Upper
95 100
174 88.2 0.0 172.0
176 84.0 0.0 167.6

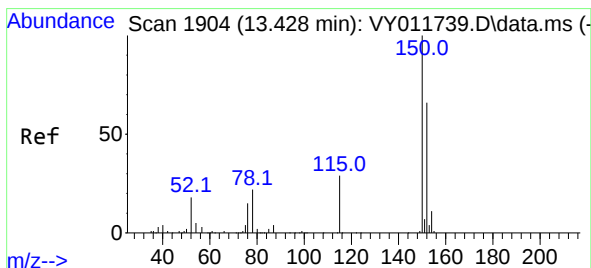
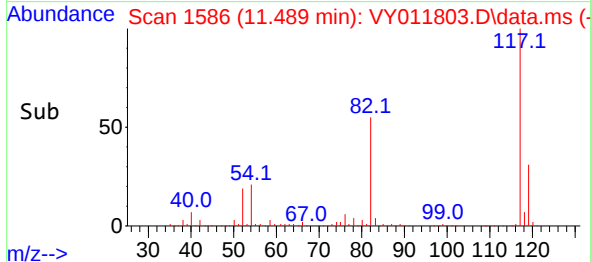
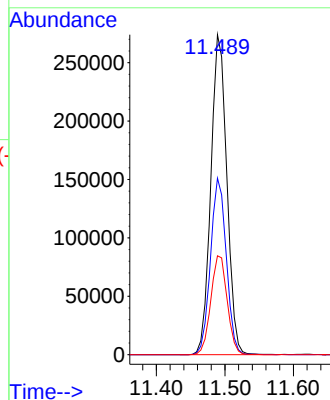
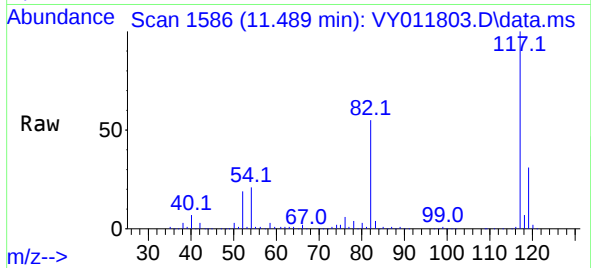




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

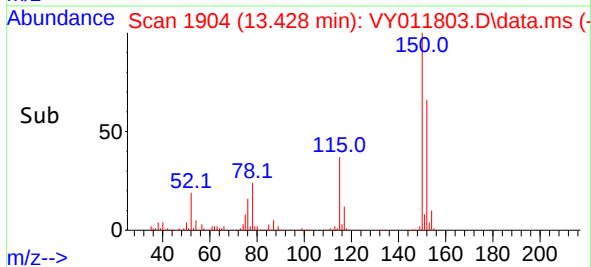
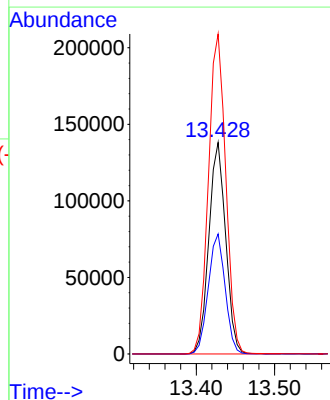
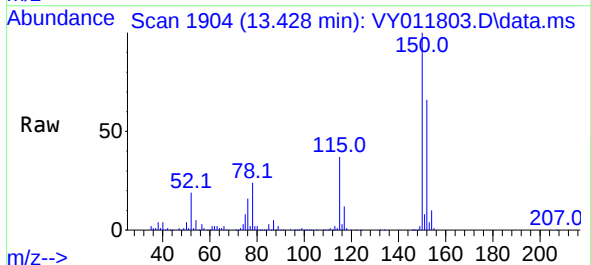
Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

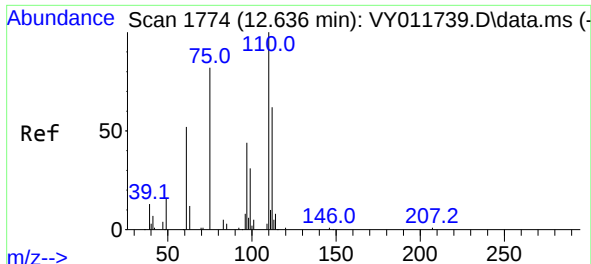
Tgt Ion:117 Resp: 443864
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 30.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion:152 Resp: 205803
Ion Ratio Lower Upper
152 100
115 56.9 29.1 87.3
150 156.0 0.0 342.6

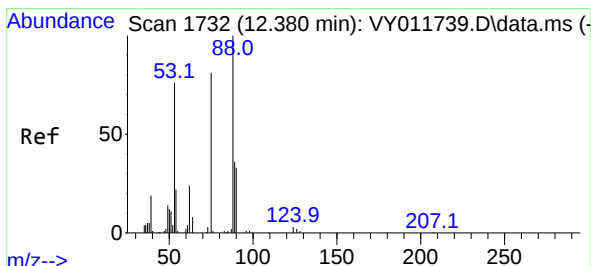
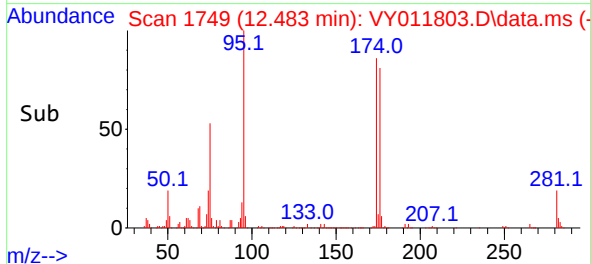
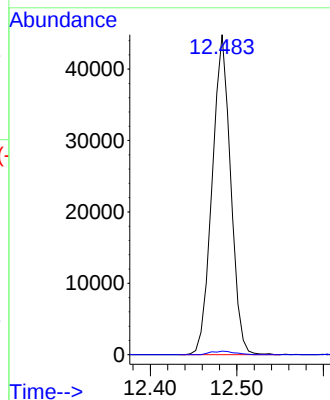
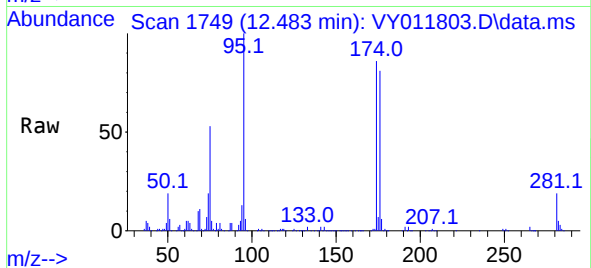




#76
1,2,3-Trichloropropane
Concen: 31.930 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Instrument :
MSVOA_Y
ClientSampleId :
RB-18-(2-4)

Tgt Ion: 75 Resp: 66484
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.455 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011803.D
Acq: 13 Dec 2022 18:49

Tgt Ion: 75 Resp: 66484
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

