

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\Not Reviewed Data\
 Data File : VY017357.D
 Acq On : 12 Feb 2024 16:42
 Operator : SY/MD
 Sample : P1439-05RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-195-GW-800-802RE

Quant Time: Feb 12 18:11:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

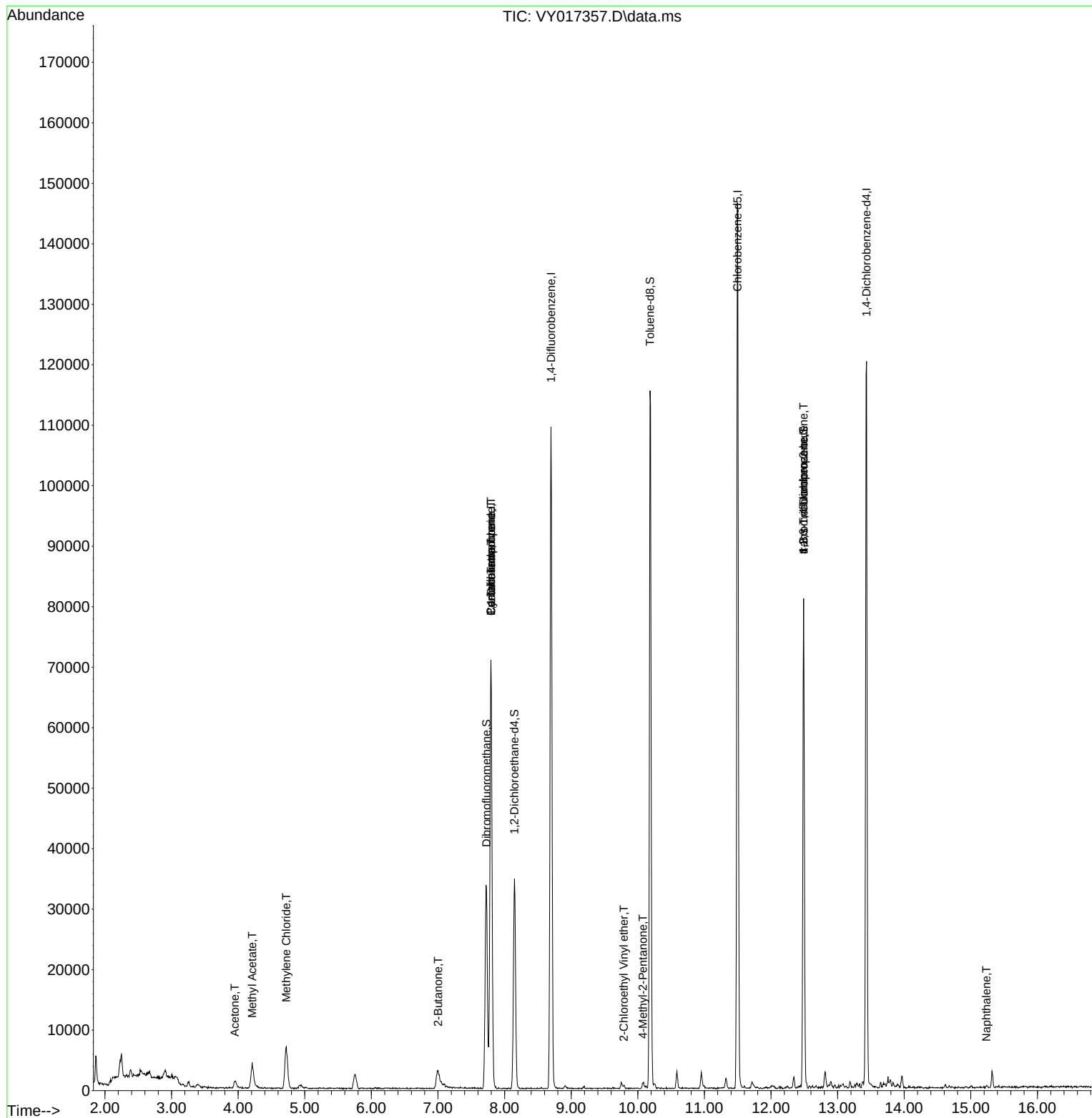
Internal Standards						
1) Pentafluorobenzene	7.795	168	53050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	94140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	79249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	30272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	26223	55.333	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.660%
35) Dibromofluoromethane	7.728	113	24543	48.285	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.560%
50) Toluene-d8	10.185	98	76920	41.563	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.120%
62) 4-Bromofluorobenzene	12.489	95	22337	36.845	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	73.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	335	Below Cal	#	75
16) Acetone	3.948	43	2294	16.469	ug/l	96
18) Methyl Acetate	4.210	43	1112	3.579	ug/l #	51
20) Methylene Chloride	4.722	84	4957	5.577	ug/l #	94
25) 2-Butanone	7.002	43	386	2.085	ug/l #	48
31) Cyclohexane	7.795	56	1303	1.364	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	4613	5.261	ug/l #	49
38) Carbon Tetrachloride	7.795	117	5483	6.531	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	859	2.226	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.789	63	327	1.161	ug/l #	47
76) 1,2,3-Trichloropropane	12.489	75	11964	42.819	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	11964	88.973	ug/l #	12
95) Naphthalene	15.233	128	342	3.821	ug/l #	69

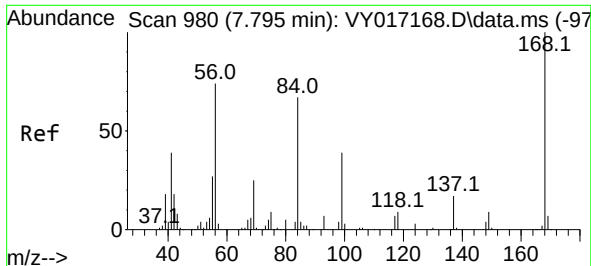
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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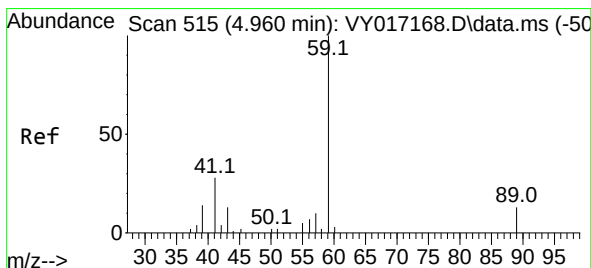
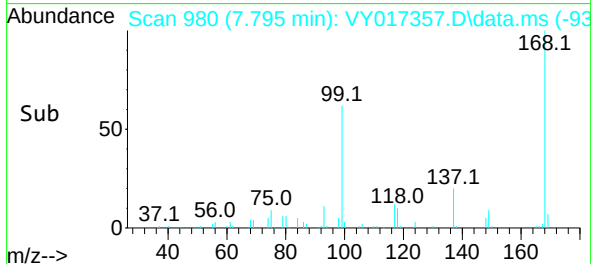
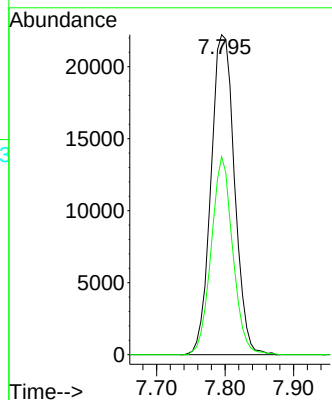
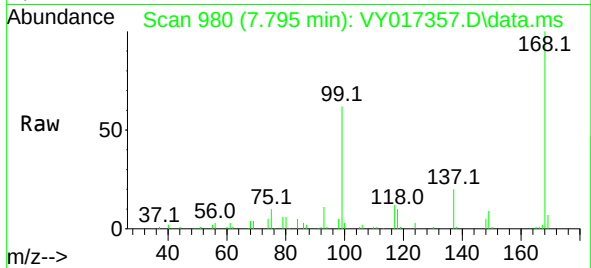




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

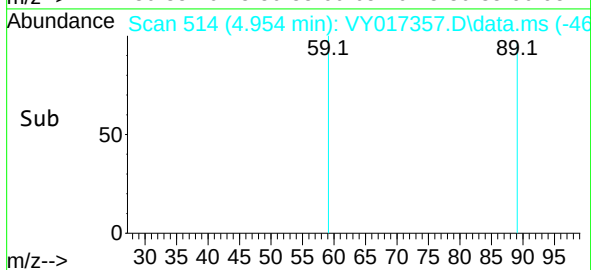
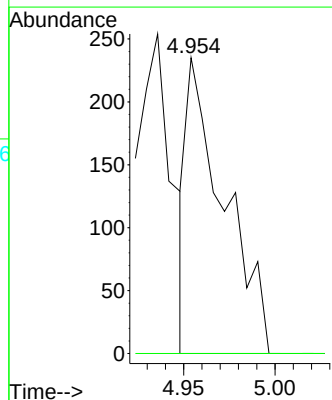
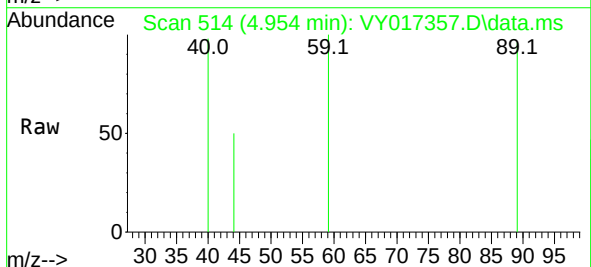
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE

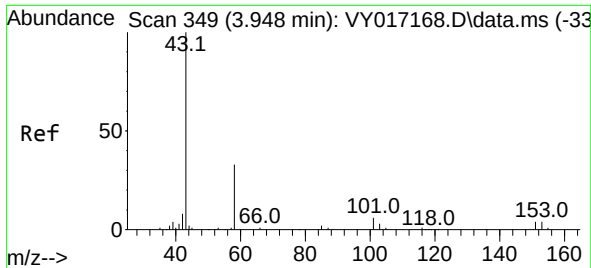
Tgt Ion:168 Resp: 53050
Ion Ratio Lower Upper
168 100
99 61.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Tgt Ion: 59 Resp: 335
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 16.469 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY017357.D

Acq: 12 Feb 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

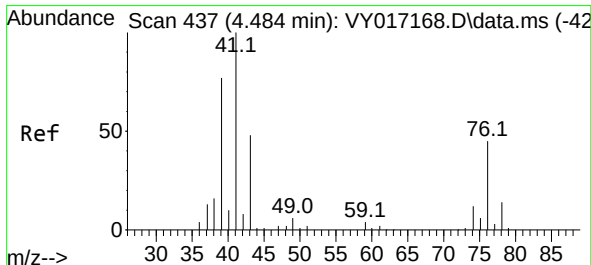
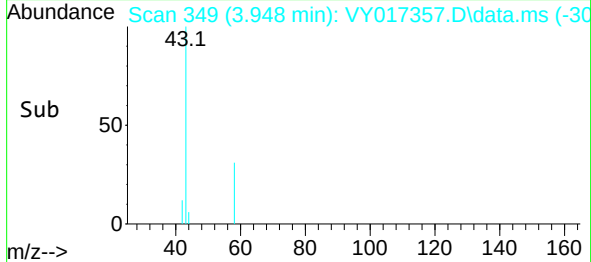
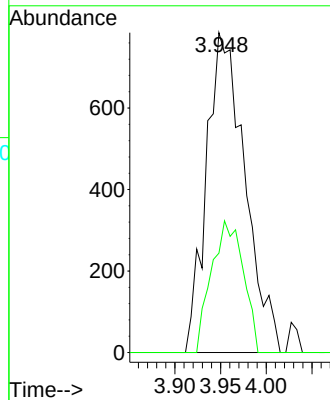
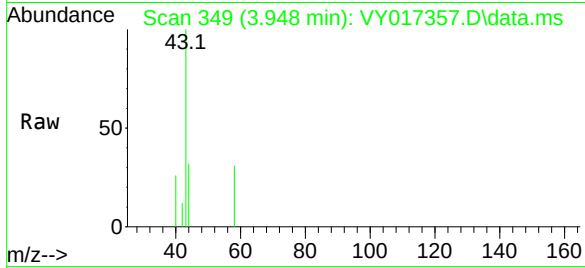
BP-VPB-195-GW-800-802RE

Tgt Ion: 43 Resp: 2294

Ion Ratio Lower Upper

43 100

58 31.1 26.6 39.8



#18

Methyl Acetate

Concen: 3.579 ug/l

RT: 4.210 min Scan# 392

Delta R.T. -0.274 min

Lab File: VY017357.D

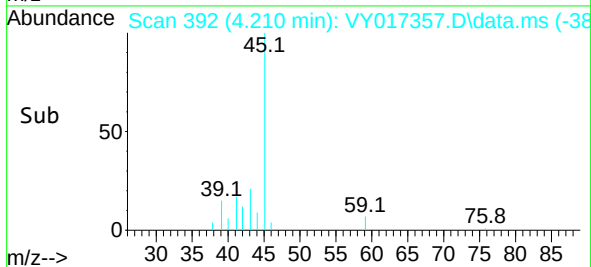
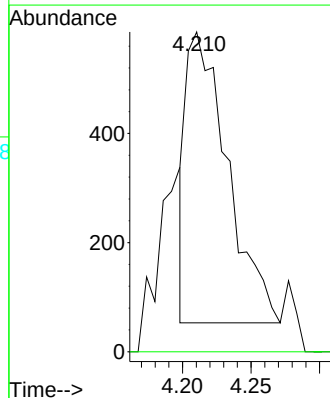
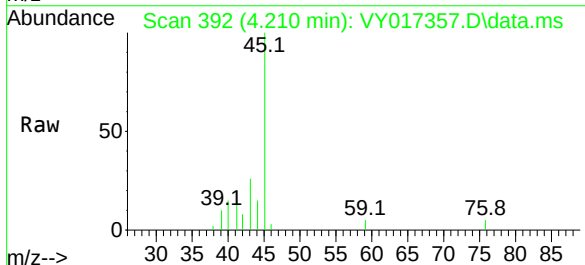
Acq: 12 Feb 2024 16:42

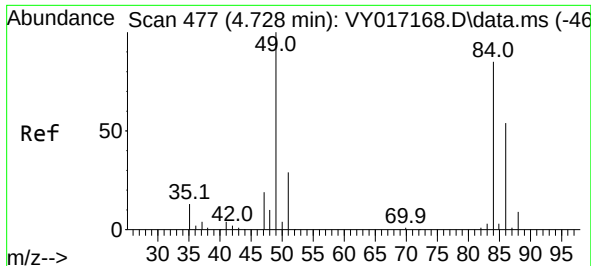
Tgt Ion: 43 Resp: 1112

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.6#

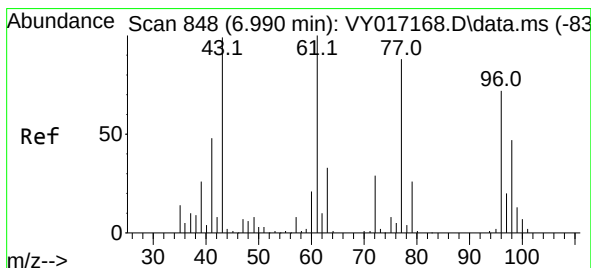
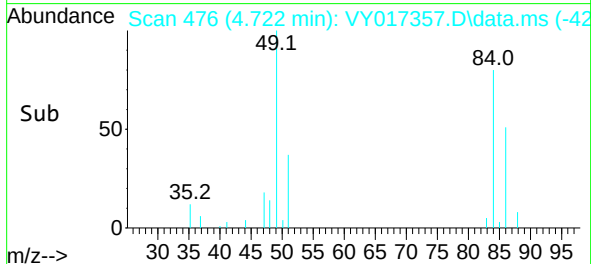
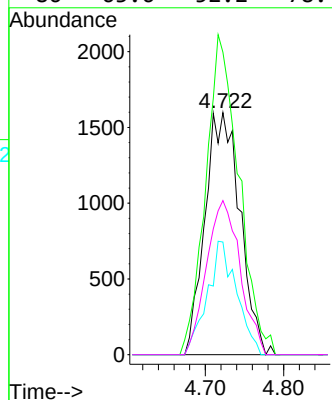
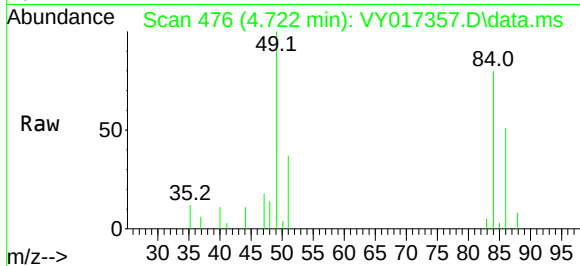




#20
Methylene Chloride
Concen: 5.577 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

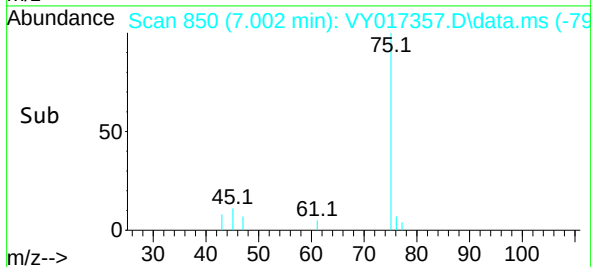
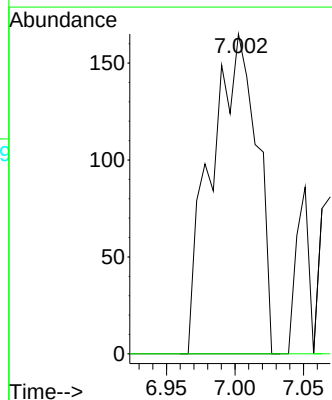
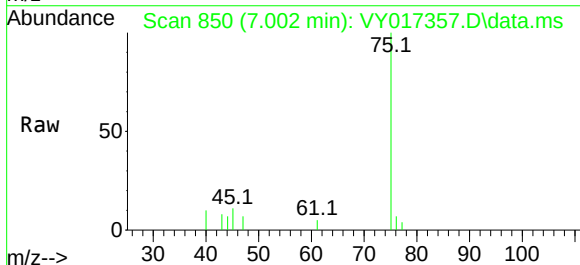
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE

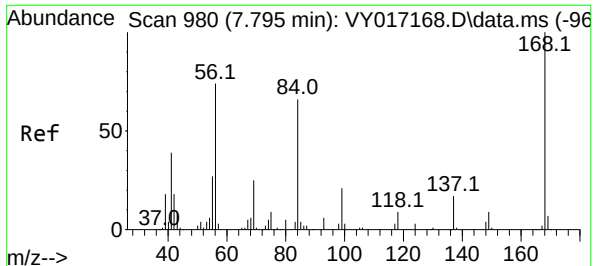
Tgt Ion: 84	Resp: 4957
Ion Ratio	Lower Upper
84 100	
49 124.9	95.2 142.8
51 46.6	29.9 44.9#
86 63.6	52.2 78.4



#25
2-Butanone
Concen: 2.085 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

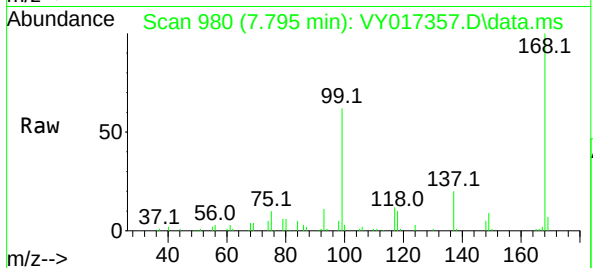
Tgt Ion: 43	Resp:	386	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#



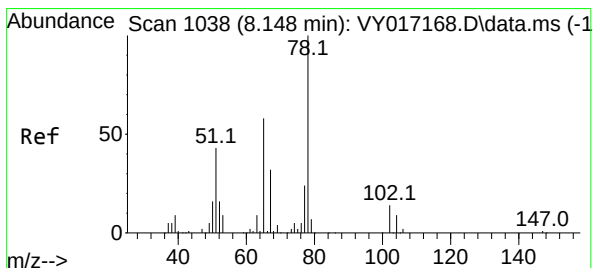
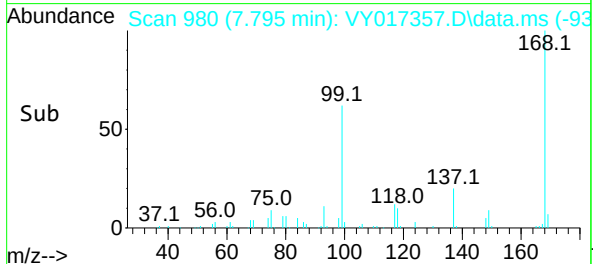
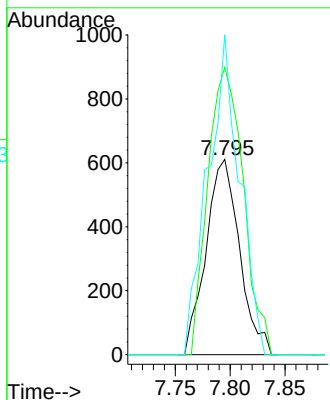


#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE

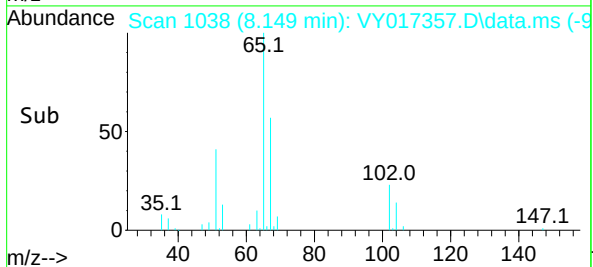
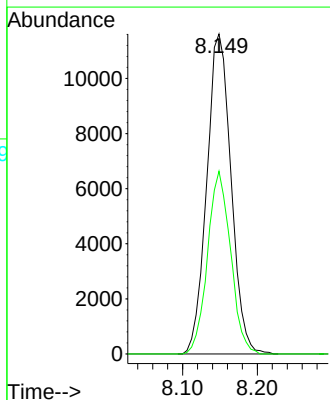
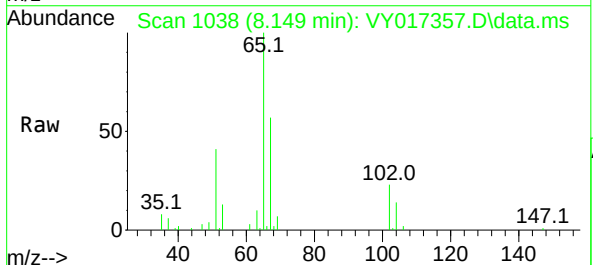


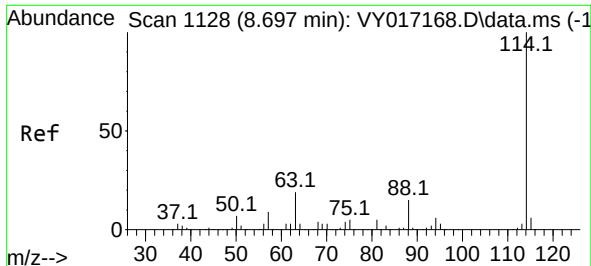
Tgt Ion: 56 Resp: 1303
Ion Ratio Lower Upper
56 100
69 147.1 27.0 40.6#
84 163.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 55.333 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Tgt Ion: 65 Resp: 26223
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.0

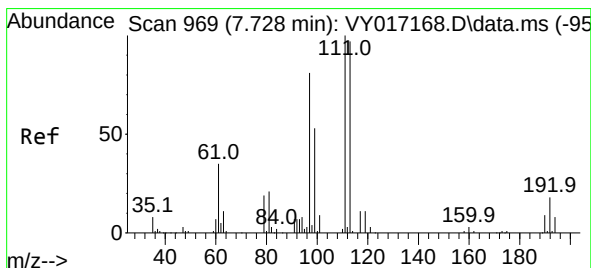
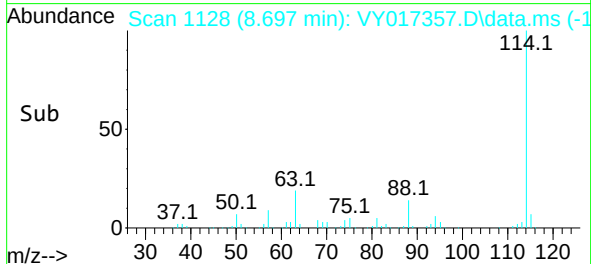
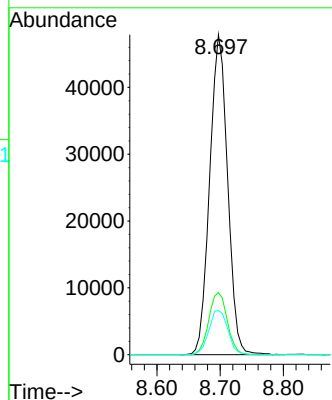
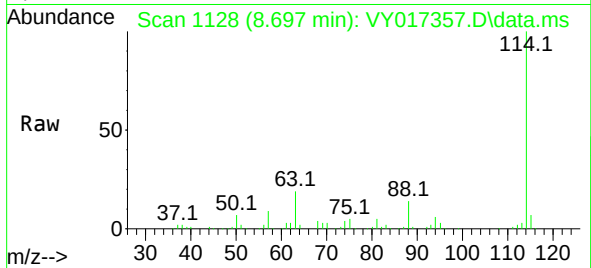




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

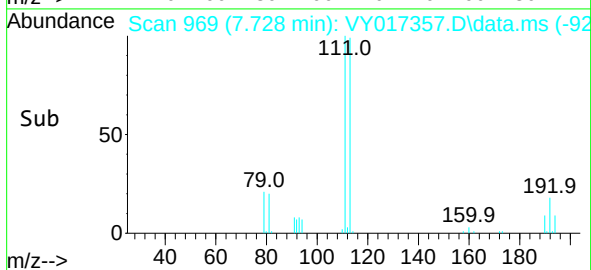
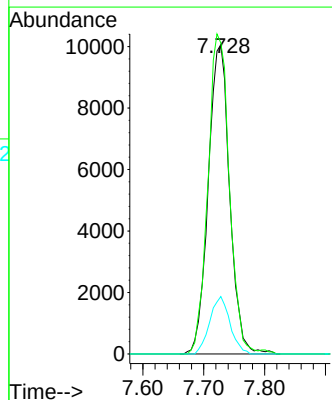
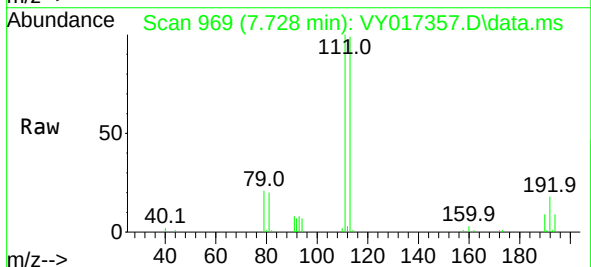
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE

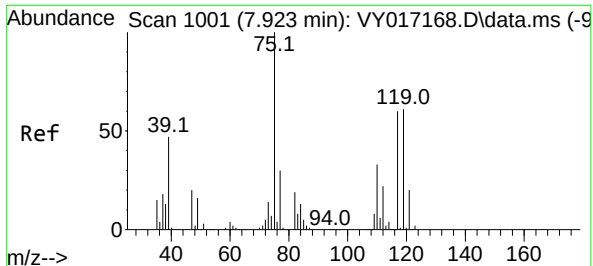
Tgt Ion:114 Resp: 94140
Ion Ratio Lower Upper
114 100
63 19.4 0.0 37.4
88 13.8 0.0 29.0



#35
Dibromofluoromethane
Concen: 48.285 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Tgt Ion:113 Resp: 24543
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 17.6 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.261 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY017357.D

Acq: 12 Feb 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-800-802RE

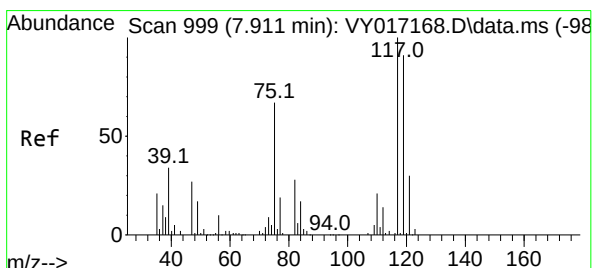
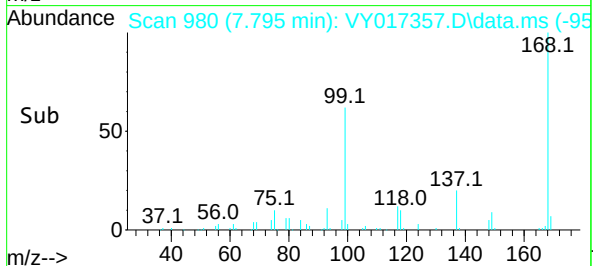
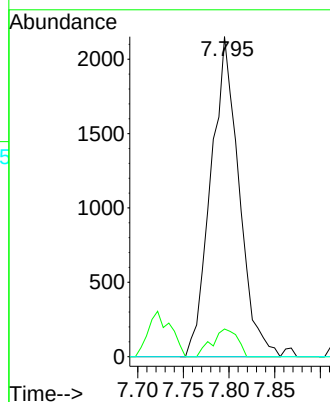
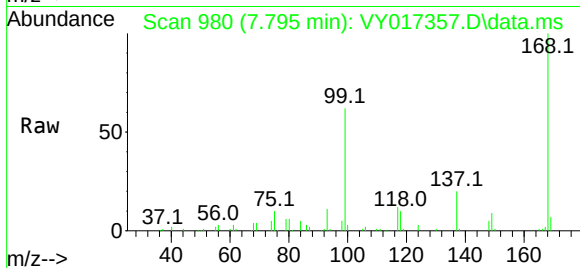
Tgt Ion: 75 Resp: 4613

Ion Ratio Lower Upper

75 100

110 7.8 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.531 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

Lab File: VY017357.D

Acq: 12 Feb 2024 16:42

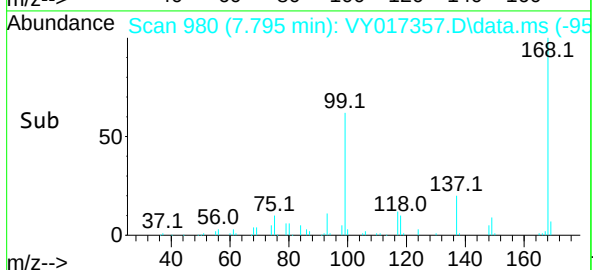
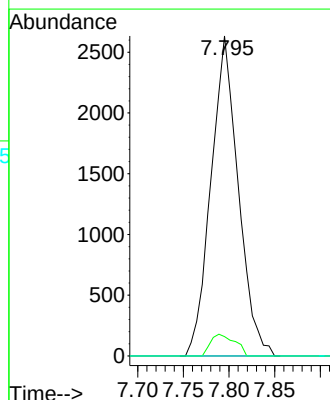
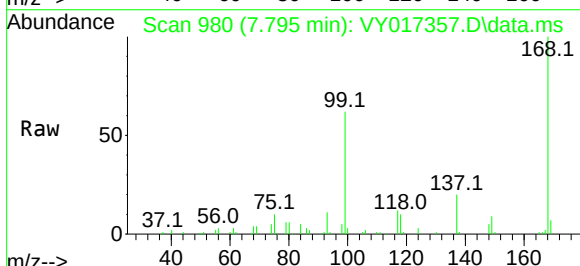
Tgt Ion: 117 Resp: 5483

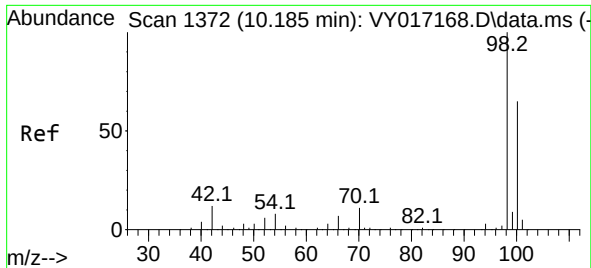
Ion Ratio Lower Upper

117 100

119 6.1 76.0 114.0#

121 0.0 24.2 36.2#

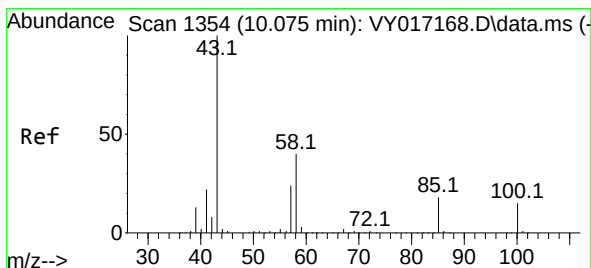
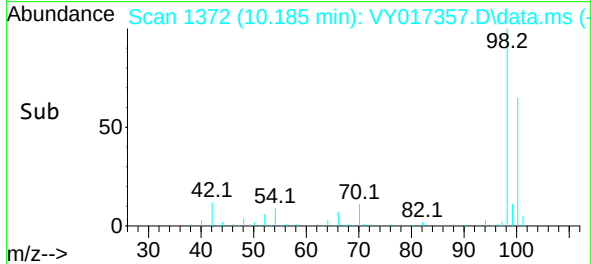
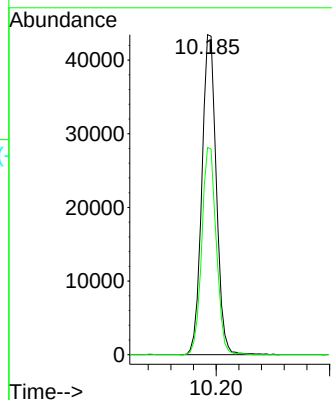
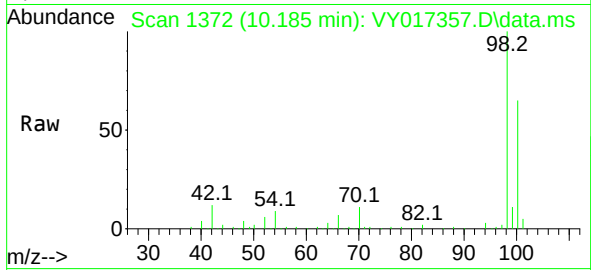




#50
Toluene-d8
Concen: 41.563 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

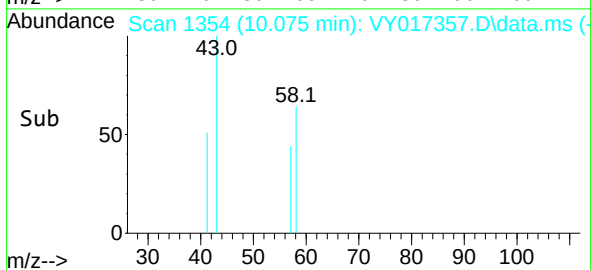
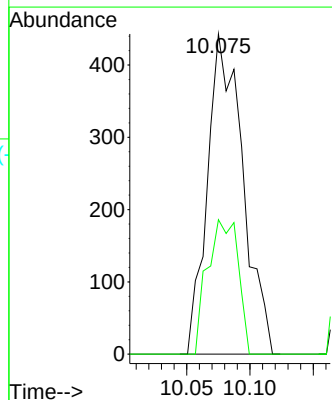
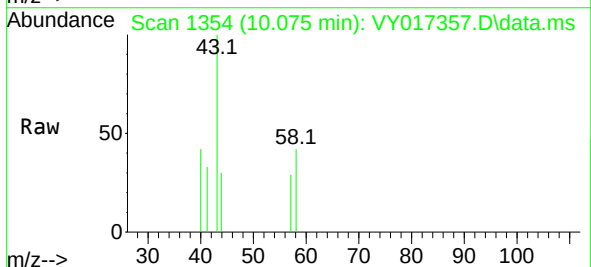
Instrument :
MSVOA_Y
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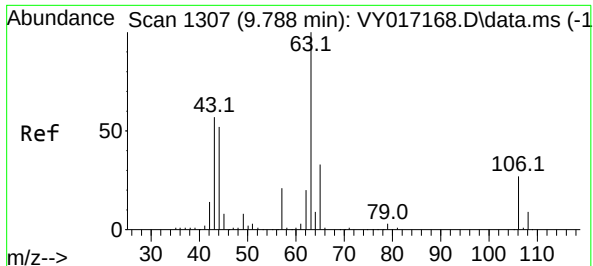
Tgt Ion: 98 Resp: 76920
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 2.226 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
58 36.4 32.2 48.2

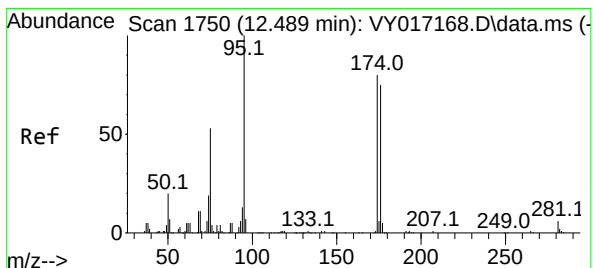
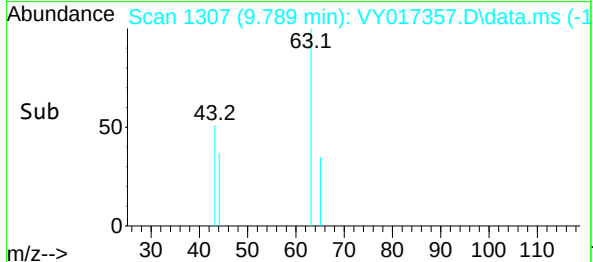
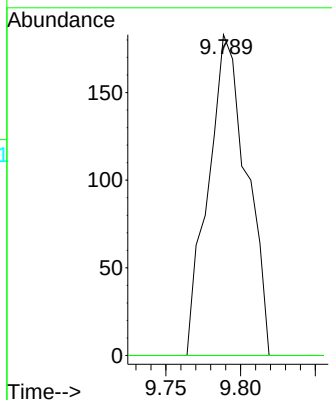
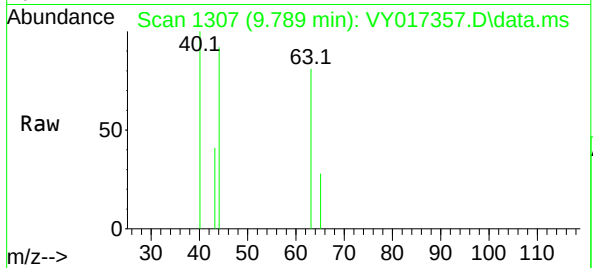




#58
2-Chloroethyl Vinyl ether
Concen: 1.161 ug/l
RT: 9.789 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

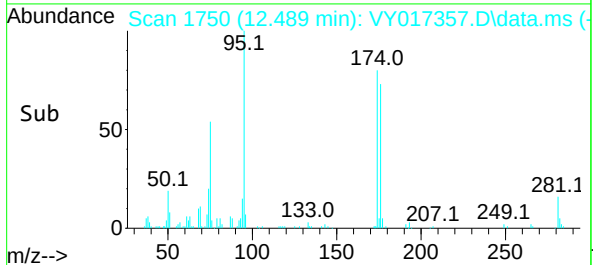
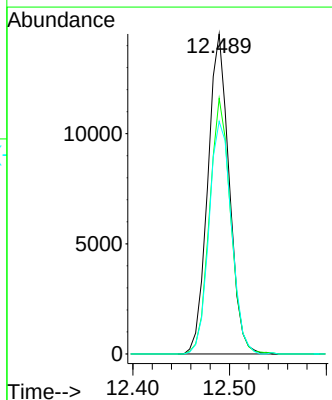
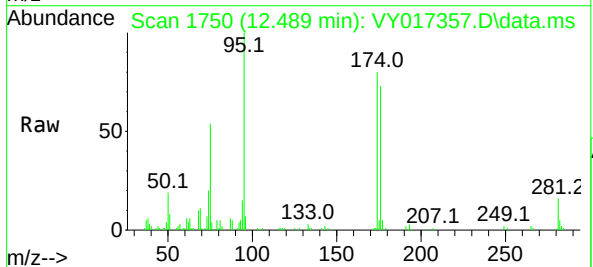
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE

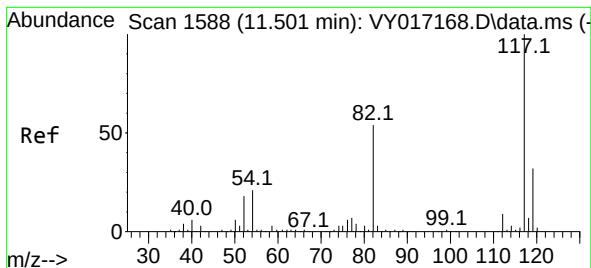
Tgt Ion: 63 Resp: 327
Ion Ratio Lower Upper
63 100
106 0.0 22.4 33.6#



#62
4-Bromofluorobenzene
Concen: 36.845 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Tgt Ion: 95 Resp: 22337
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.0
176 76.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017357.D

Acq: 12 Feb 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-800-802RE

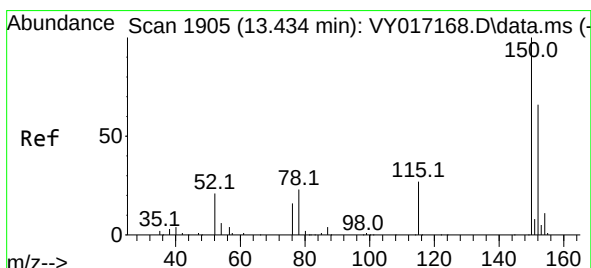
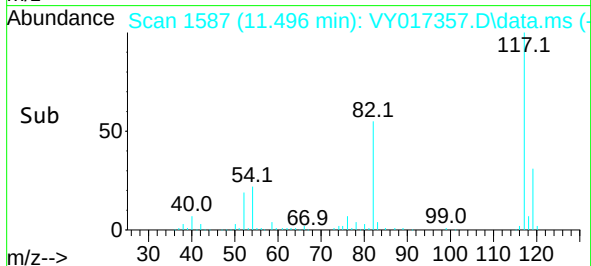
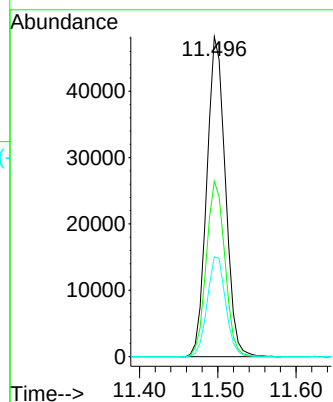
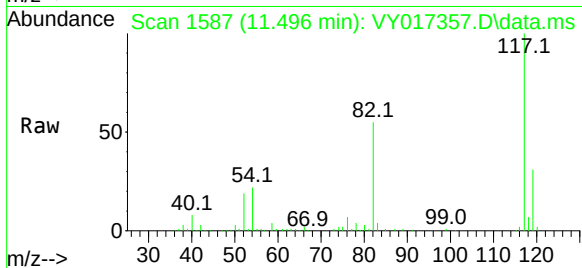
Tgt Ion:117 Resp: 79249

Ion Ratio Lower Upper

117 100

82 54.8 43.8 65.8

119 31.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017357.D

Acq: 12 Feb 2024 16:42

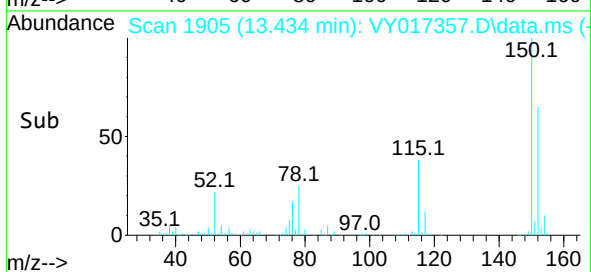
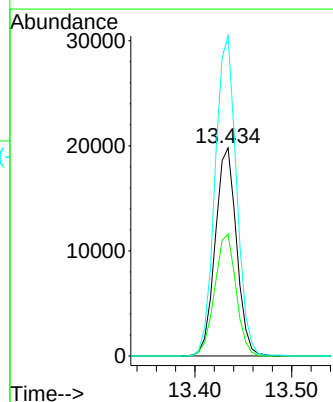
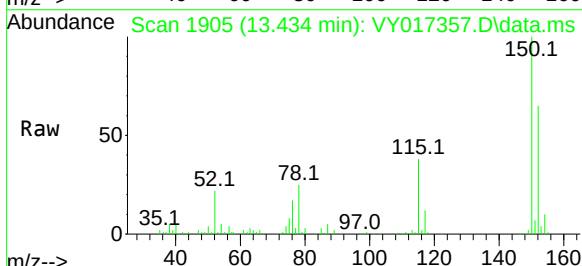
Tgt Ion:152 Resp: 30272

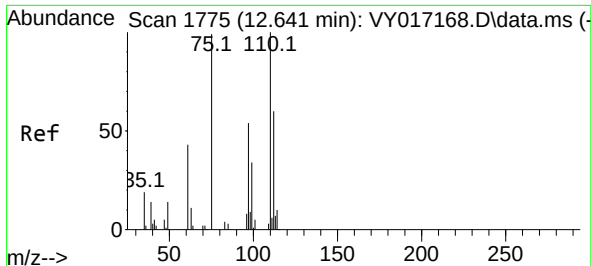
Ion Ratio Lower Upper

152 100

115 58.8 30.0 90.0

150 154.5 0.0 344.6

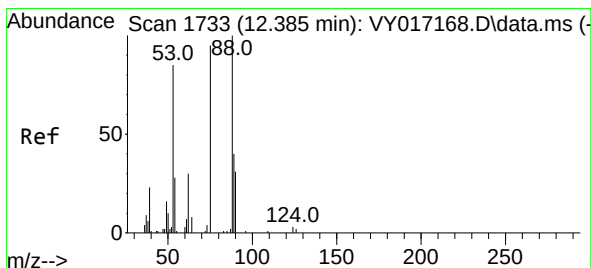
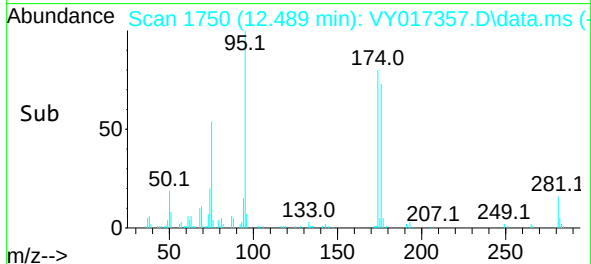
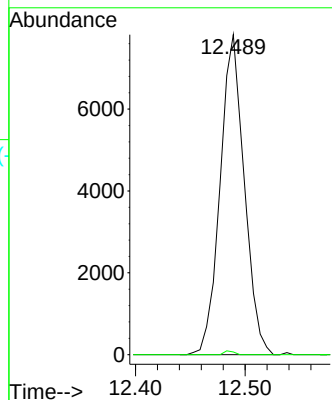
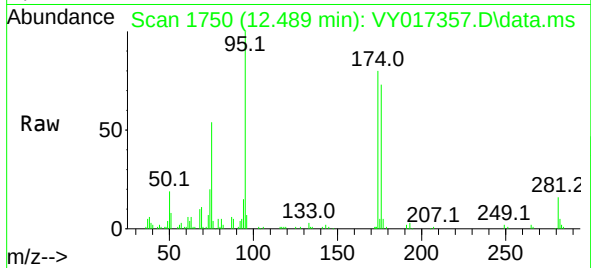




#76
1,2,3-Trichloropropane
Concen: 42.819 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

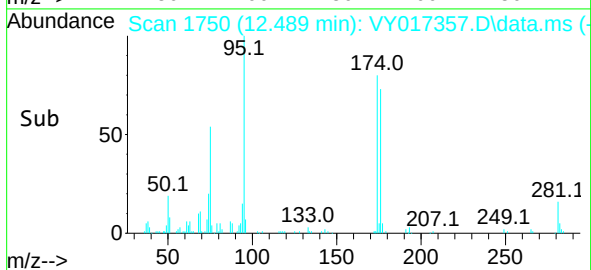
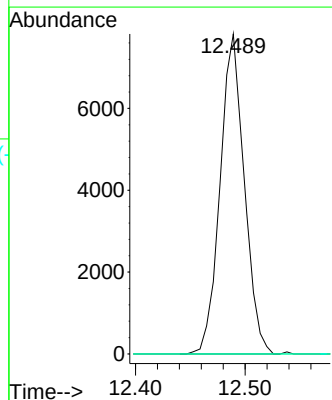
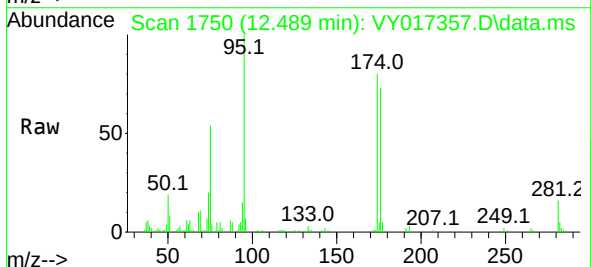
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE

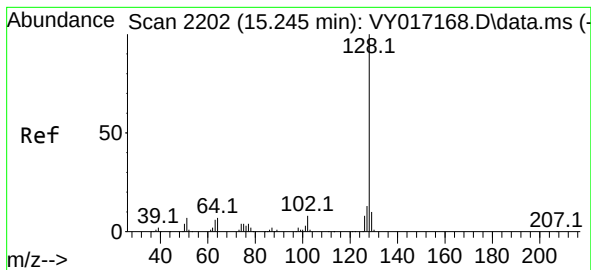
Tgt Ion: 75 Resp: 11964
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.973 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

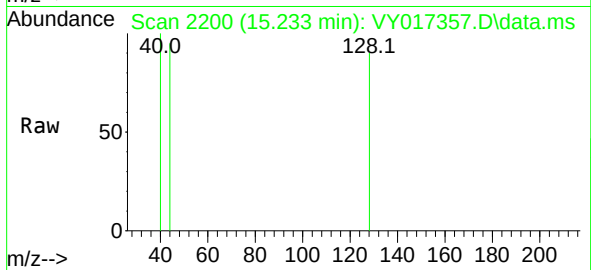
Tgt Ion: 75 Resp: 11964
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.821 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY017357.D
Acq: 12 Feb 2024 16:42

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802RE



Tgt Ion:128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

