

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010992.D
 Acq On : 18 Oct 2022 13:44
 Operator : KP/MD
 Sample : N5149-11
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-RW5-GW-938-940

Quant Time: Oct 18 17:03:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

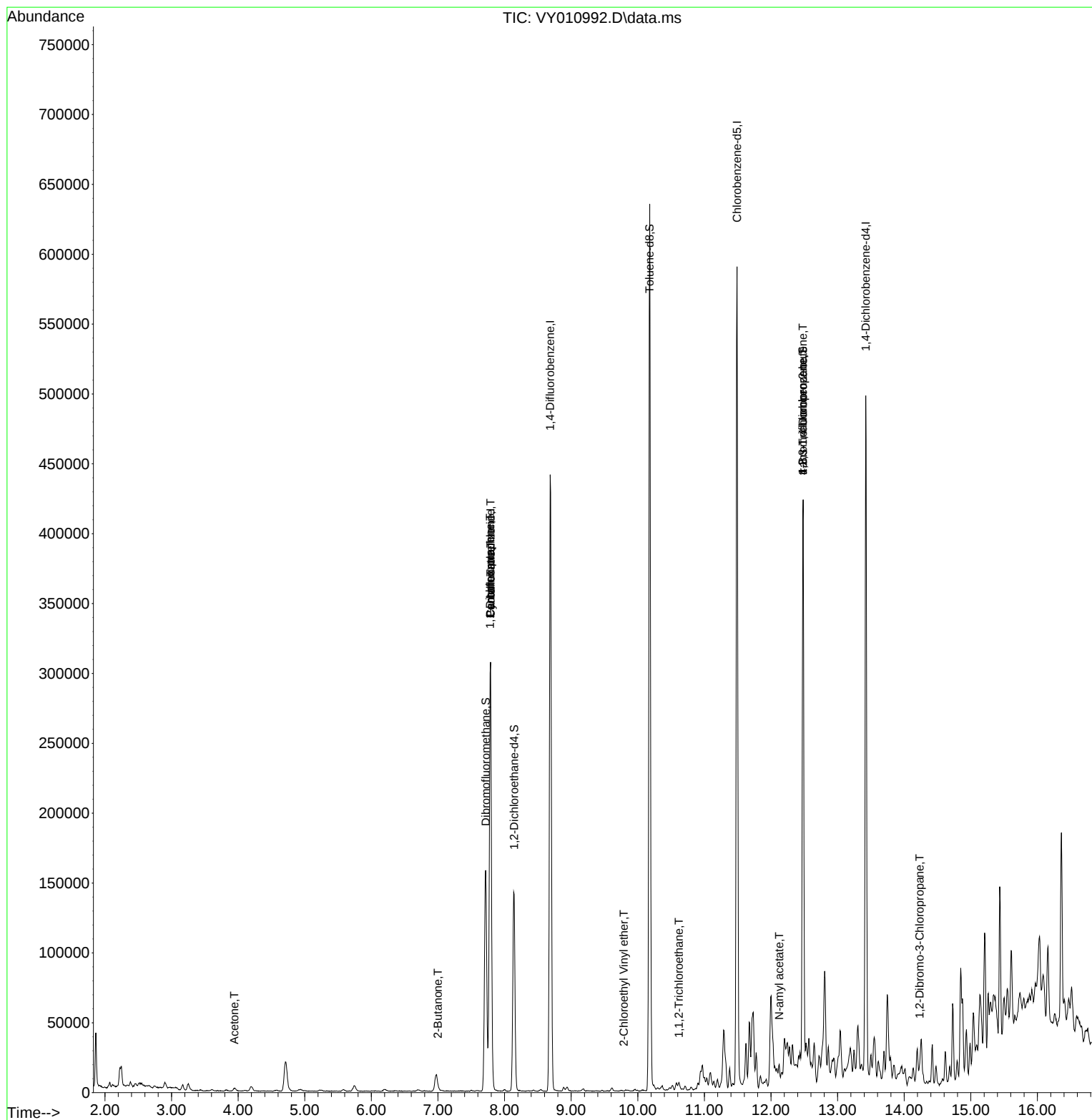
Internal Standards						
1) Pentafluorobenzene	7.789	168	237430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	327737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	110216	50.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.780%	
35) Dibromofluoromethane	7.716	113	115739	53.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.940%	
50) Toluene-d8	10.179	98	407594	50.127	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	12.477	95	126648	43.575	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.160%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.930	59	2091	Below Cal	#	77
16) Acetone	3.942	43	3674	5.785	ug/l #	85
18) Methyl Acetate	4.534	43	84	Below Cal	#	56
20) Methylene Chloride	4.716	84	17275	Below Cal		83
25) 2-Butanone	6.997	43	1548	1.607	ug/l #	90
31) Cyclohexane	7.789	56	4821	1.152	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18384	5.071	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23356	6.241	ug/l #	17
55) 1,1,2-Trichloroethane	10.618	97	2359	1.086	ug/l #	22
58) 2-Chloroethyl Vinyl ether	9.789	63	20	16.973	ug/l #	48
74) N-amyl acetate	12.124	43	2973	1.296	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	64179	45.439	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64179	97.726	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.233	75	518	1.652	ug/l #	6

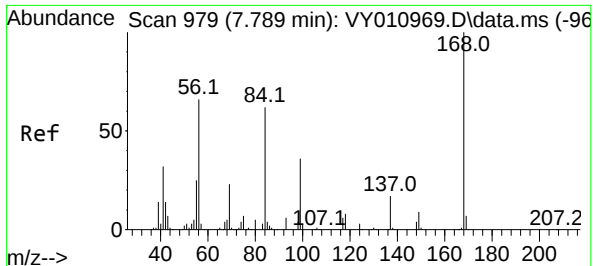
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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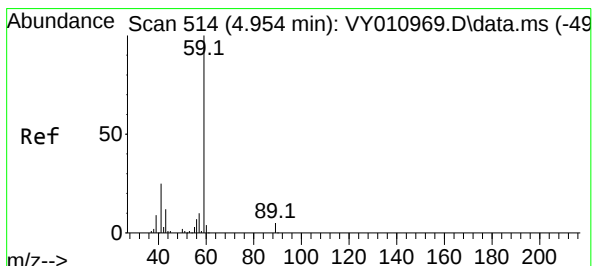
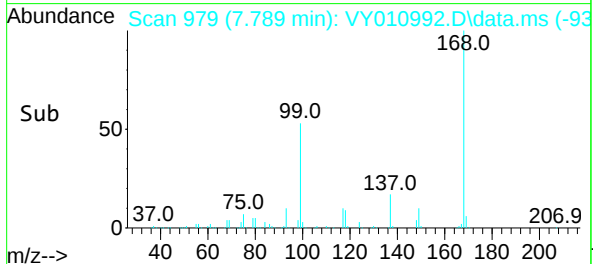
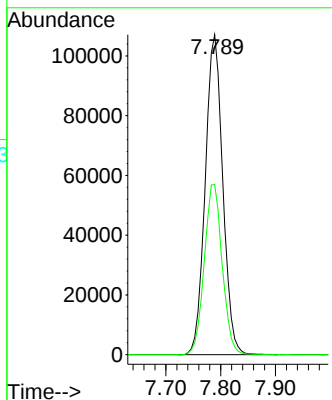
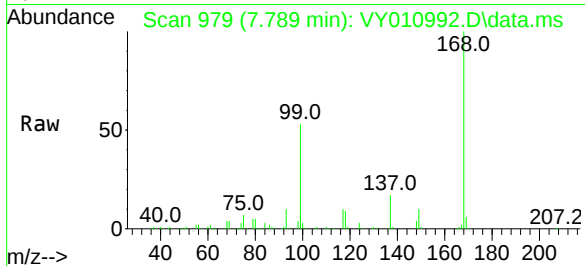




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

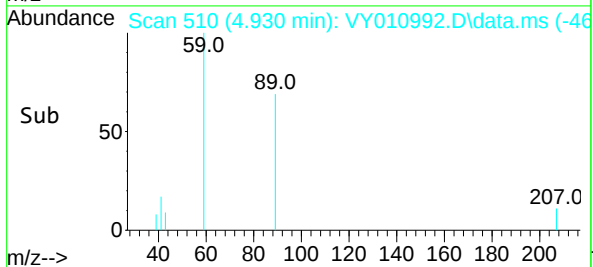
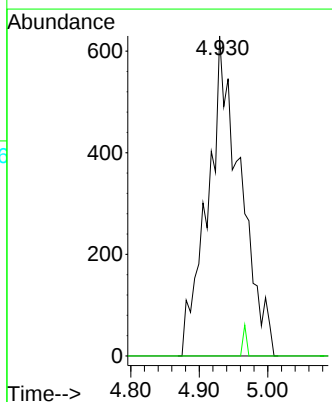
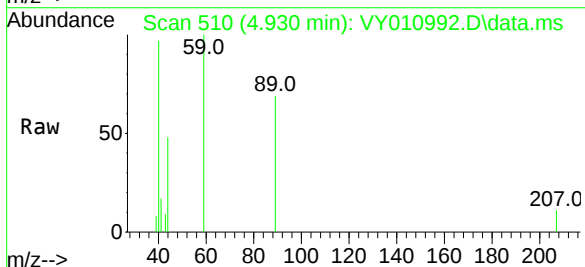
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-938-940

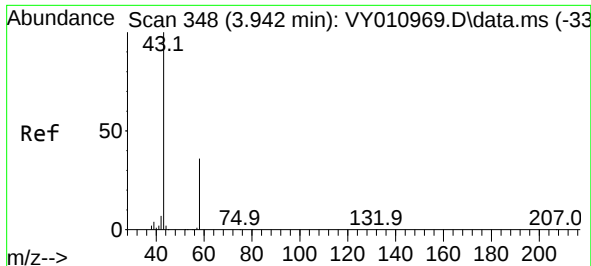
Tgt Ion:168 Resp: 237430
Ion Ratio Lower Upper
168 100
99 53.2 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 59 Resp: 2091
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

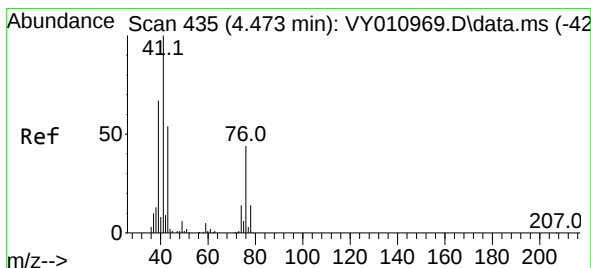
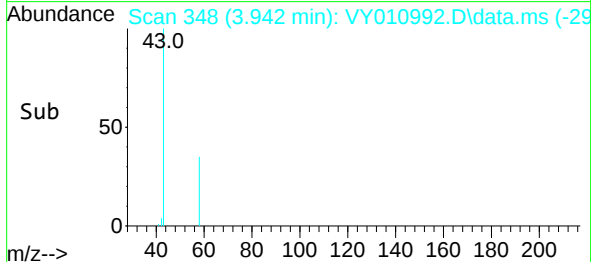
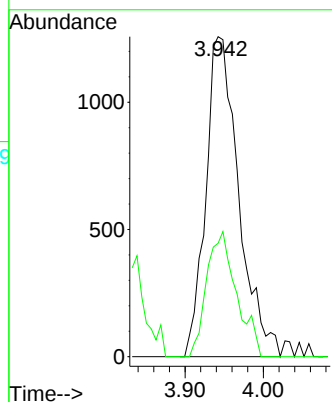
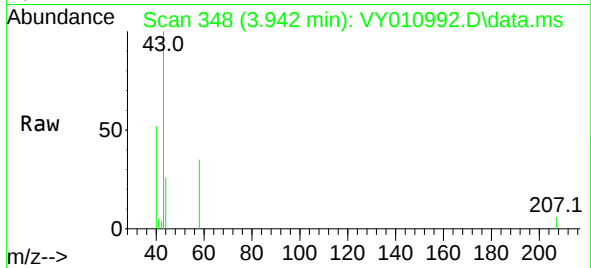




#16
Acetone
Concen: 5.785 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

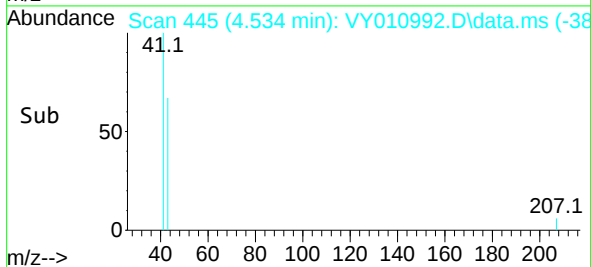
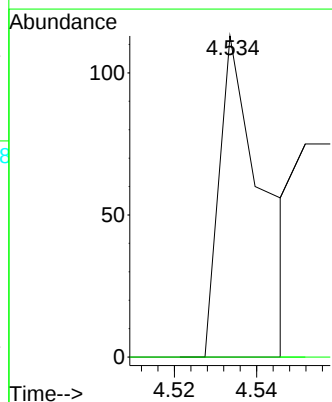
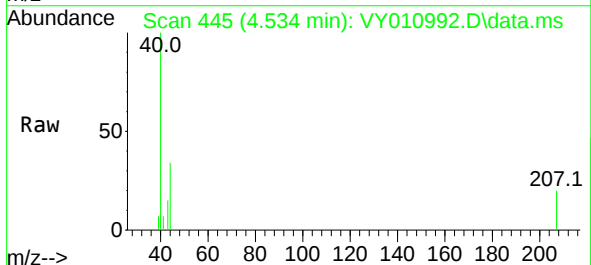
Instrument : MSVOA_Y
ClientSampleId : BP-VPB-RW5-GW-938-940

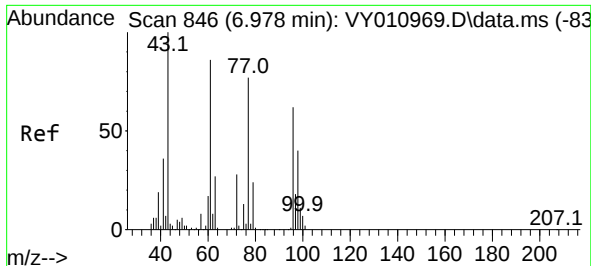
Tgt Ion: 43 Resp: 3674
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.534 min Scan# 445
Delta R.T. 0.061 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

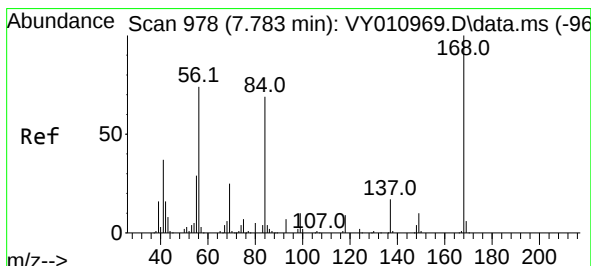
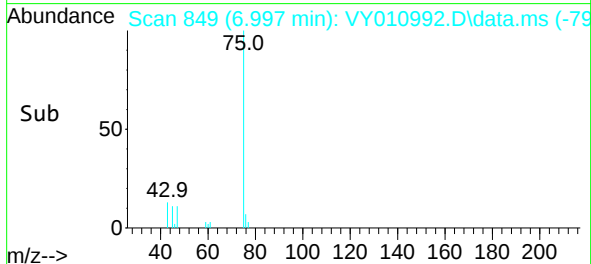
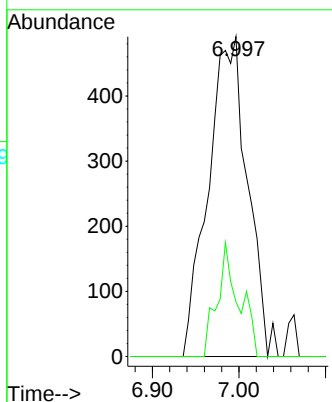
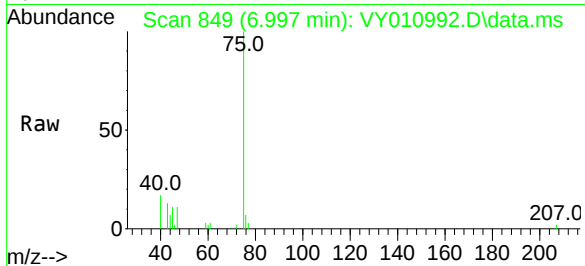




#25
2-Butanone
Concen: 1.607 ug/l
RT: 6.997 min Scan# 846
Delta R.T. 0.019 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

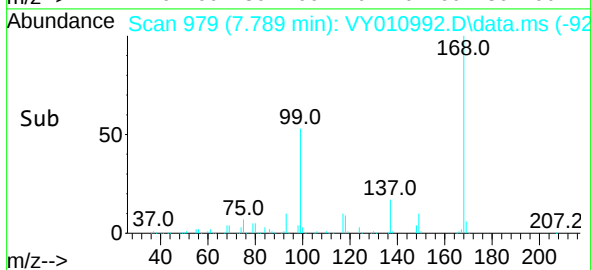
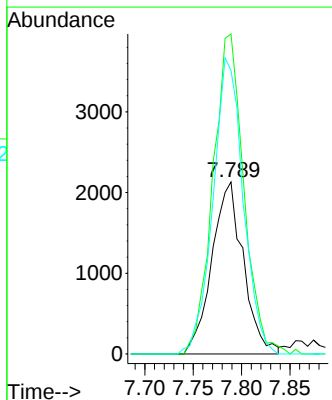
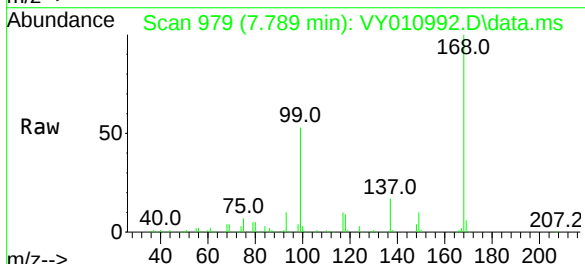
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-938-940

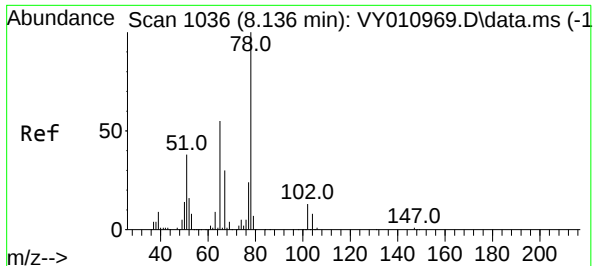
Tgt Ion: 43 Resp: 1548
Ion Ratio Lower Upper
43 100
72 17.1 17.7 26.5#



#31
Cyclohexane
Concen: 1.152 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 56 Resp: 4821
Ion Ratio Lower Upper
56 100
69 186.0 26.7 40.1#
84 164.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.394 ug/l

RT: 8.143 min Scan# 1102

Delta R.T. 0.007 min

Lab File: VY010992.D

Acq: 18 Oct 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

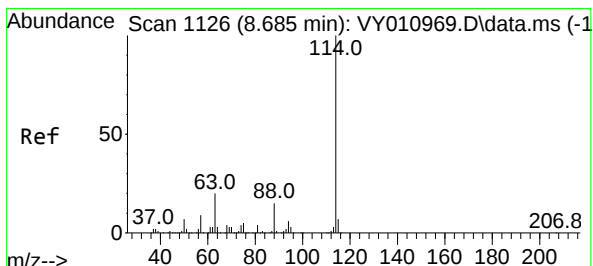
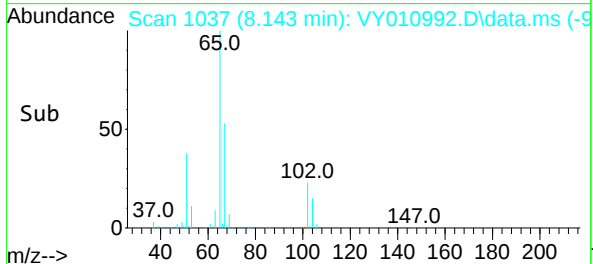
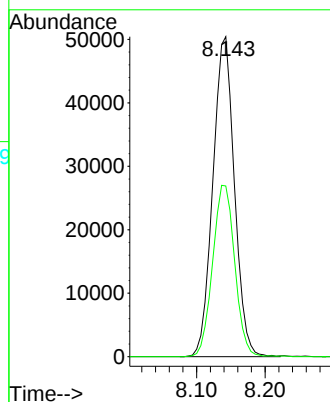
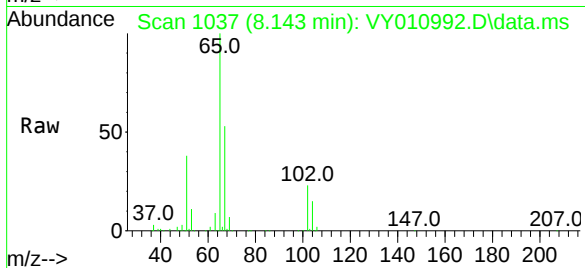
BP-VPB-RW5-GW-938-940

Tgt Ion: 65 Resp: 110216

Ion Ratio Lower Upper

65 100

67 54.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010992.D

Acq: 18 Oct 2022 13:44

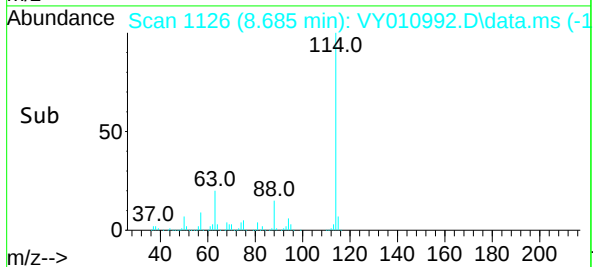
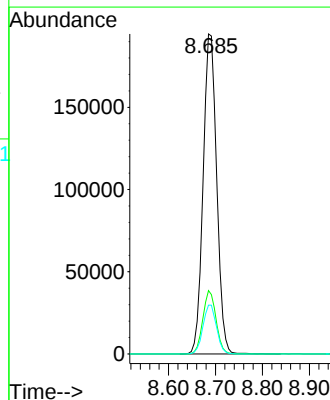
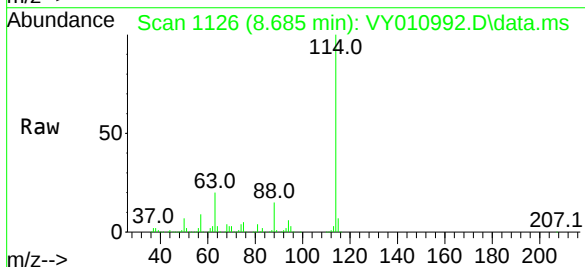
Tgt Ion: 114 Resp: 389428

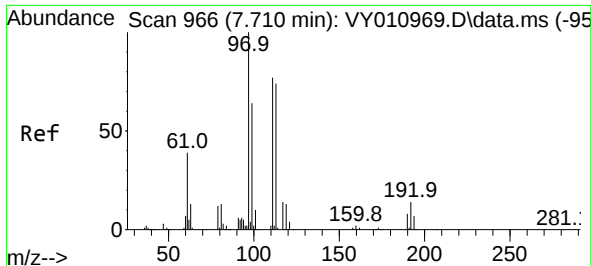
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.3 0.0 31.8

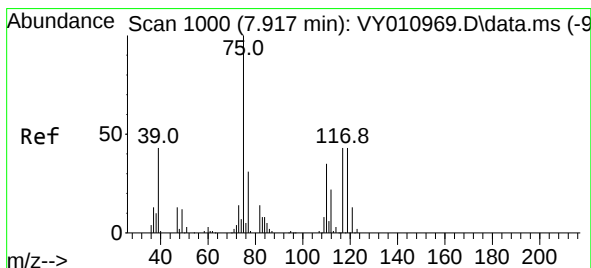
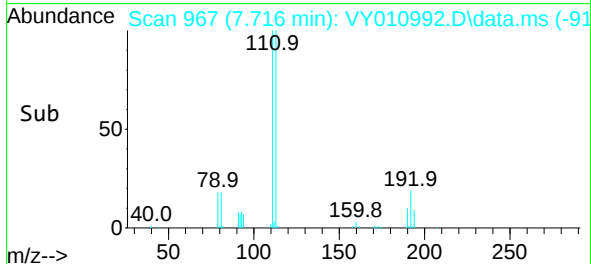
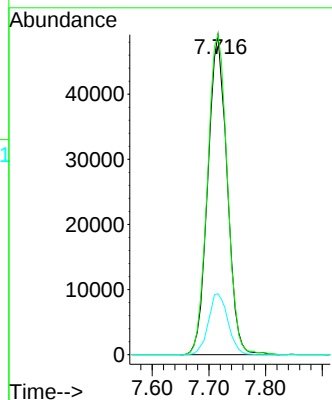
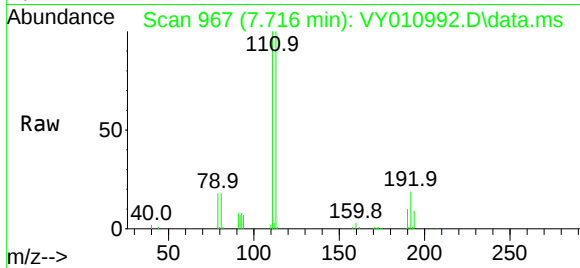




#35
Dibromofluoromethane
Concen: 53.466 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

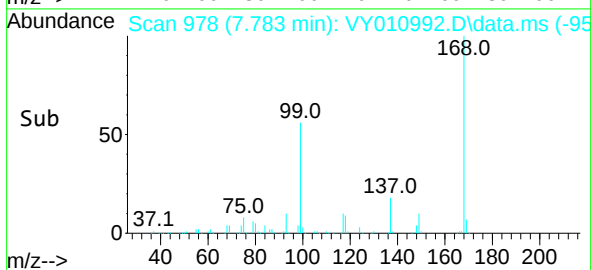
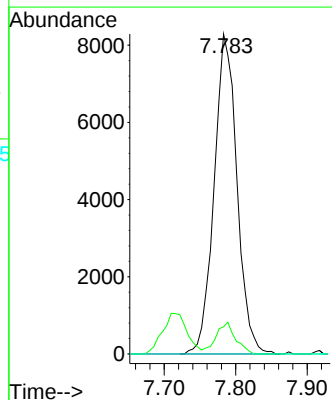
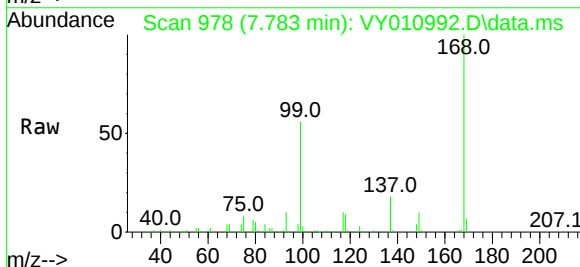
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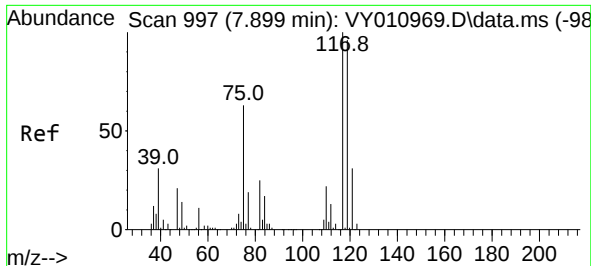
Tgt Ion:113 Resp: 115739
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 75 Resp: 18384
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#

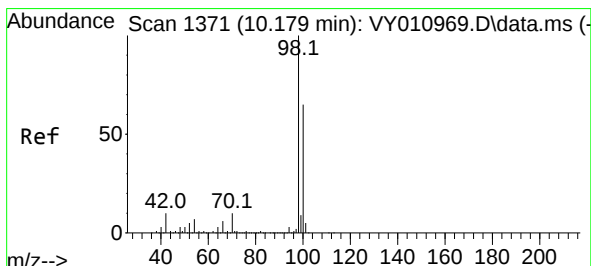
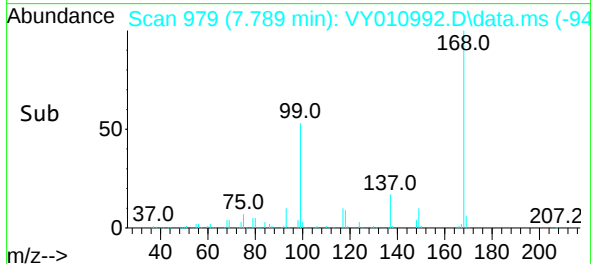
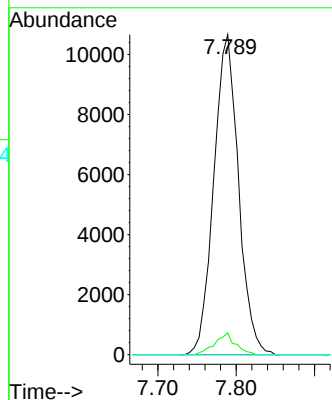
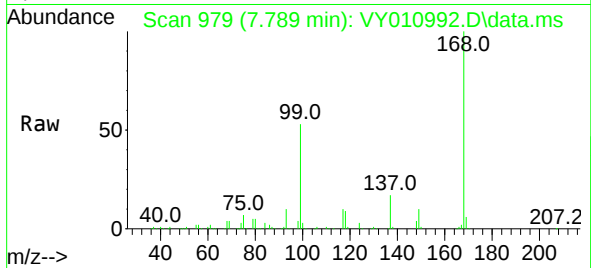




#38
Carbon Tetrachloride
Concen: 6.241 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

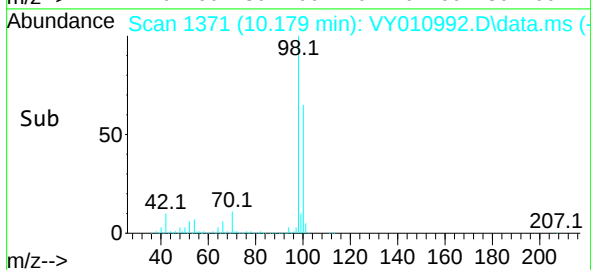
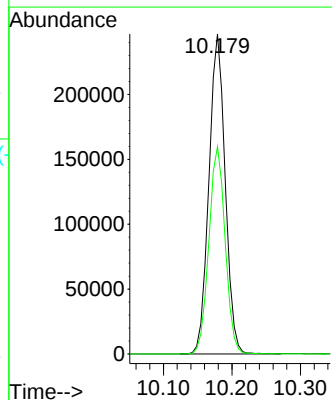
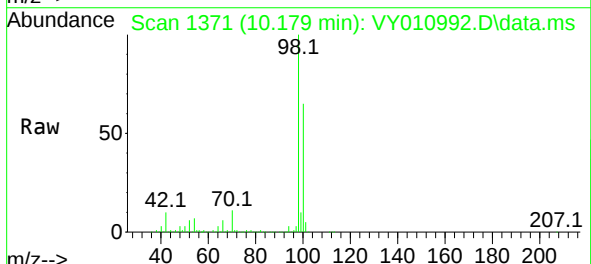
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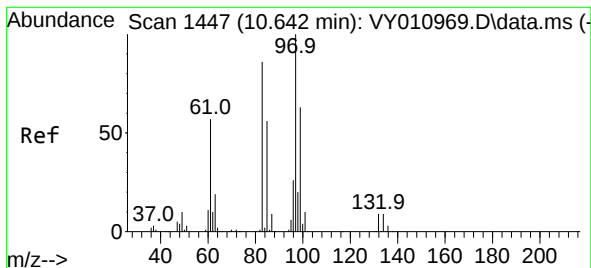
Tgt Ion:117 Resp: 23356
Ion Ratio Lower Upper
117 100
119 6.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.127 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 98 Resp: 407594
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 1.086 ug/l

RT: 10.618 min Scan# 1443

Delta R.T. -0.024 min

Lab File: VY010992.D

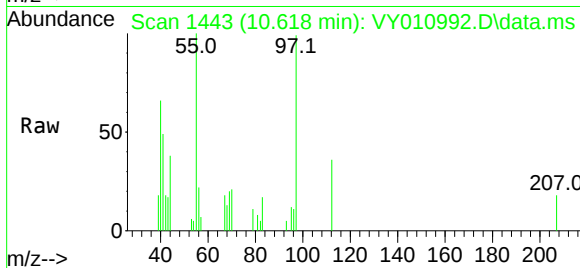
Acq: 18 Oct 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-938-940



Tgt Ion: 97 Resp: 2359

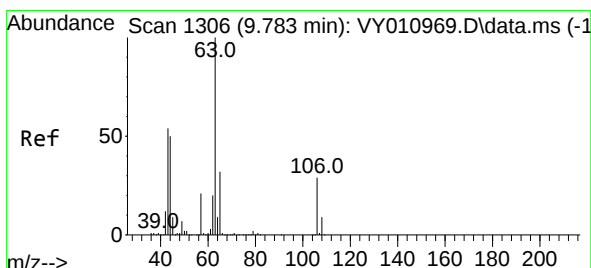
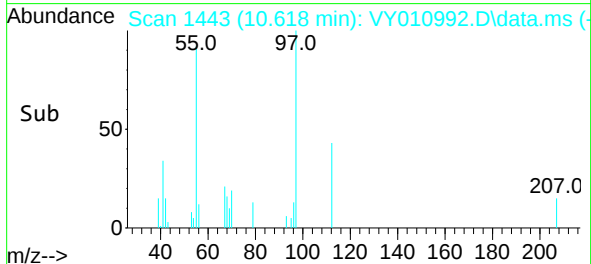
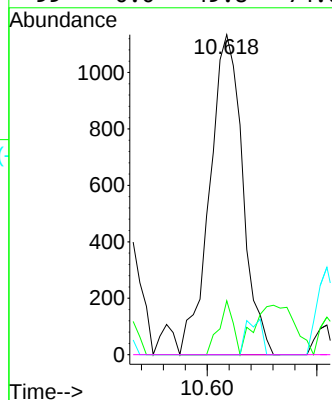
Ion Ratio Lower Upper

97 100

83 16.8 69.8 104.8#

85 0.0 44.3 66.5#

99 0.0 49.8 74.6#



#58

2-Chloroethyl Vinyl ether

Concen: 16.973 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.006 min

Lab File: VY010992.D

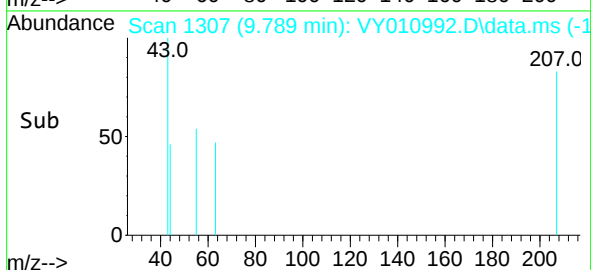
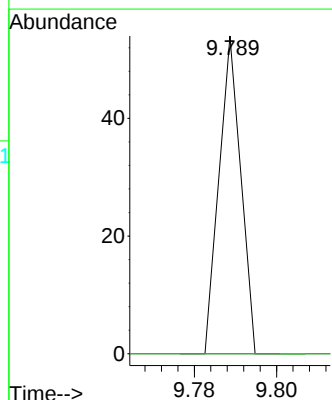
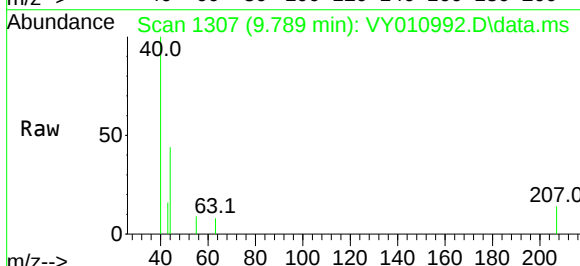
Acq: 18 Oct 2022 13:44

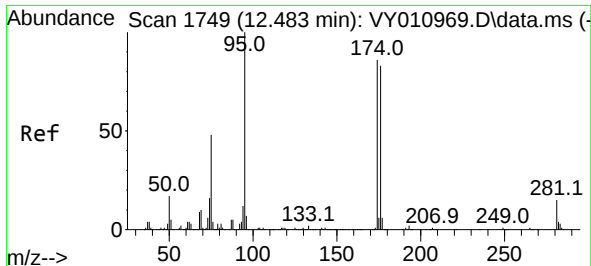
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#





#62

4-Bromofluorobenzene

Concen: 43.575 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010992.D

Acq: 18 Oct 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-938-940

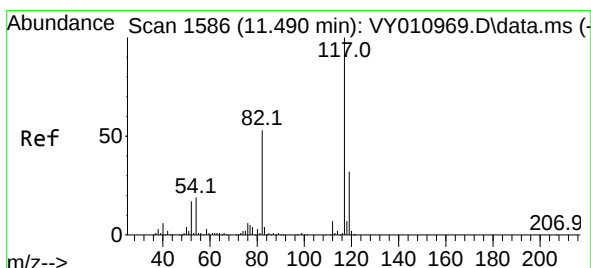
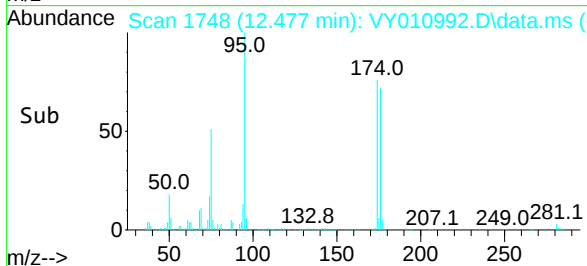
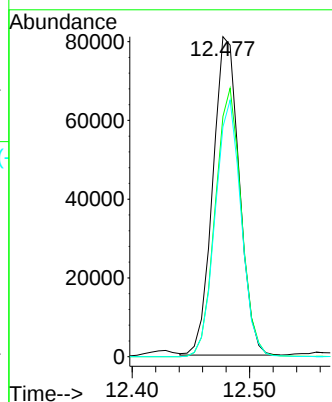
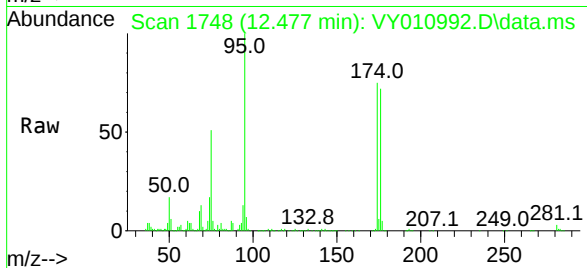
Tgt Ion: 95 Resp: 126648

Ion Ratio Lower Upper

95 100

174 82.9 0.0 177.0

176 79.0 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY010992.D

Acq: 18 Oct 2022 13:44

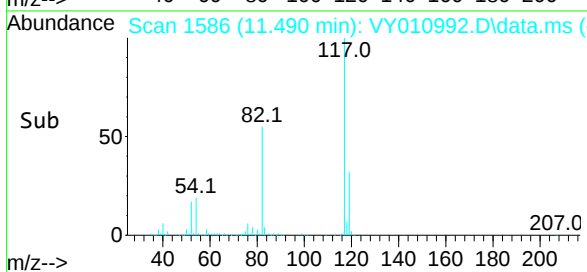
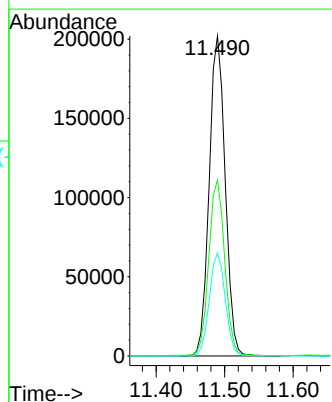
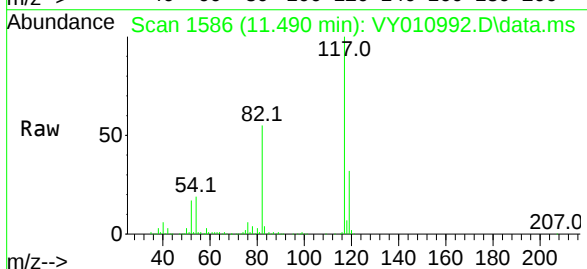
Tgt Ion: 117 Resp: 327737

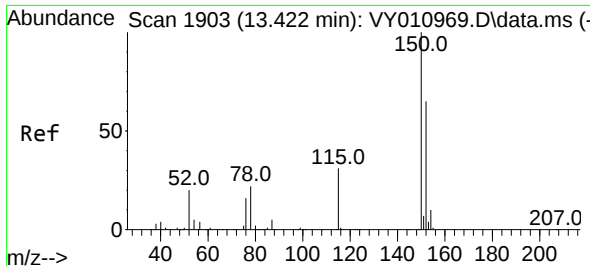
Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.4

119 32.2 25.4 38.0

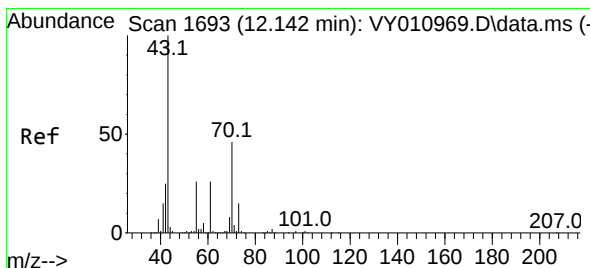
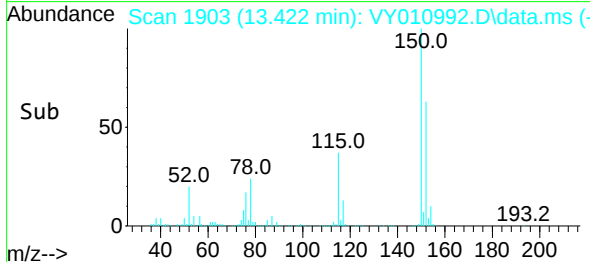
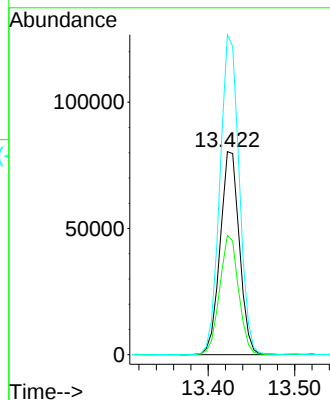
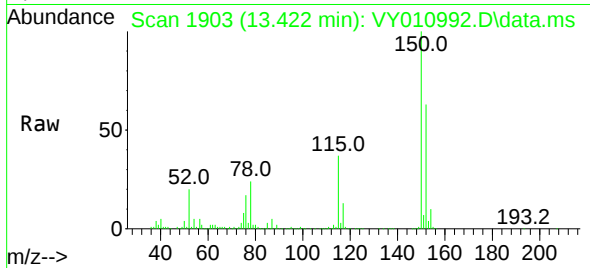




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

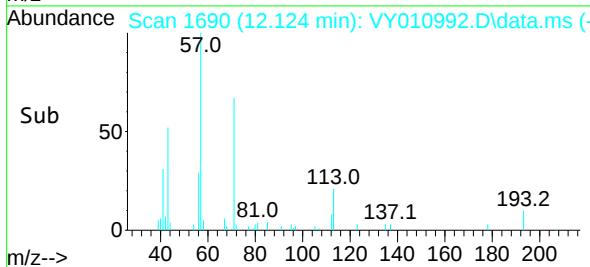
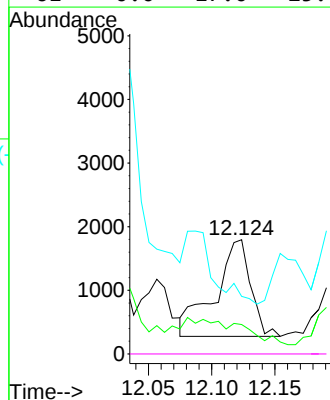
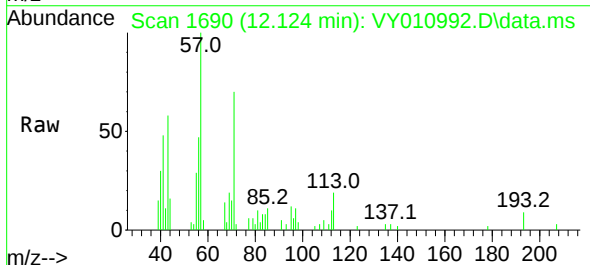
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-938-940

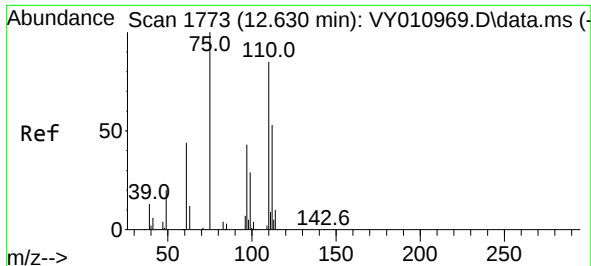
Tgt Ion:152 Resp: 124408
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 157.2 0.0 347.6



#74
N-ethyl acetate
Concen: 1.296 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 43 Resp: 2973
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

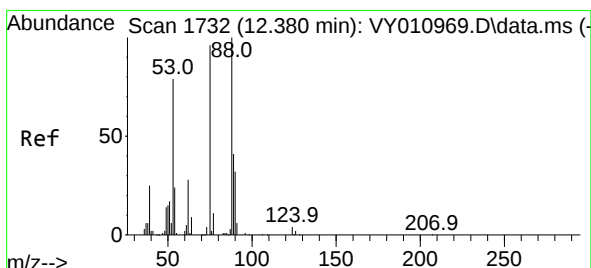
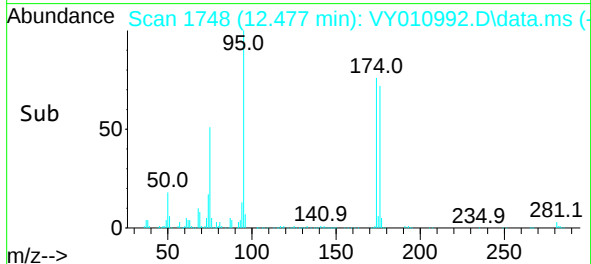
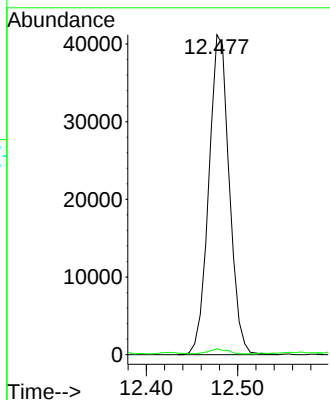
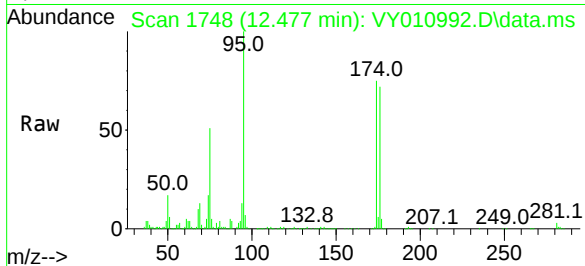




#76
1,2,3-Trichloropropane
Concen: 45.439 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

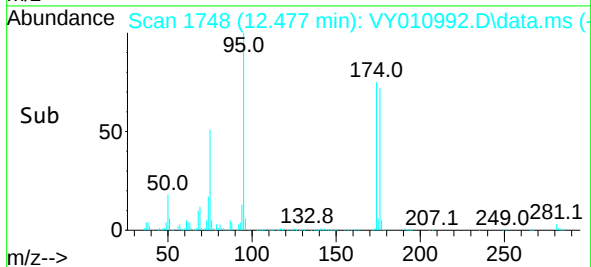
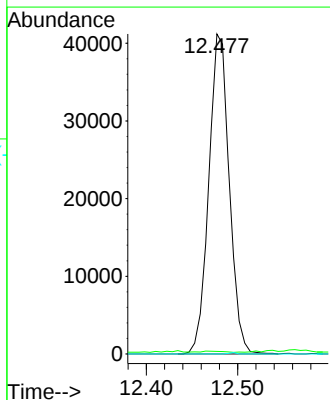
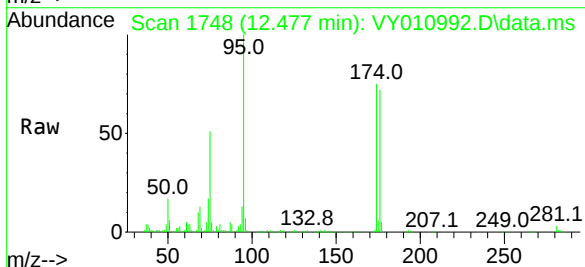
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-RW5-GW-938-940

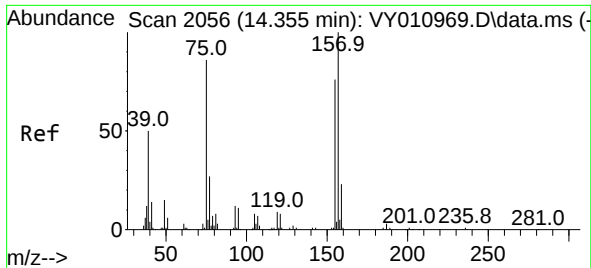
Tgt Ion: 75 Resp: 64179
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.726 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010992.D
Acq: 18 Oct 2022 13:44

Tgt Ion: 75 Resp: 64179
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.652 ug/l

RT: 14.233 min Scan# 2056

Delta R.T. -0.122 min

Lab File: VY010992.D

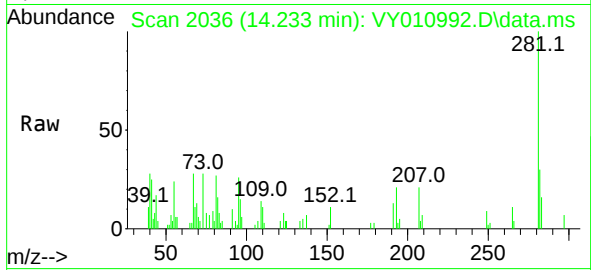
Acq: 18 Oct 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-RW5-GW-938-940



Tgt Ion: 75 Resp: 518

Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#

