

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022024\
 Data File : VY017420.D
 Acq On : 20 Feb 2024 14:36
 Operator : SY/MD
 Sample : P1509-11RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-191-GW-848-850RE

Quant Time: Feb 20 15:35:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

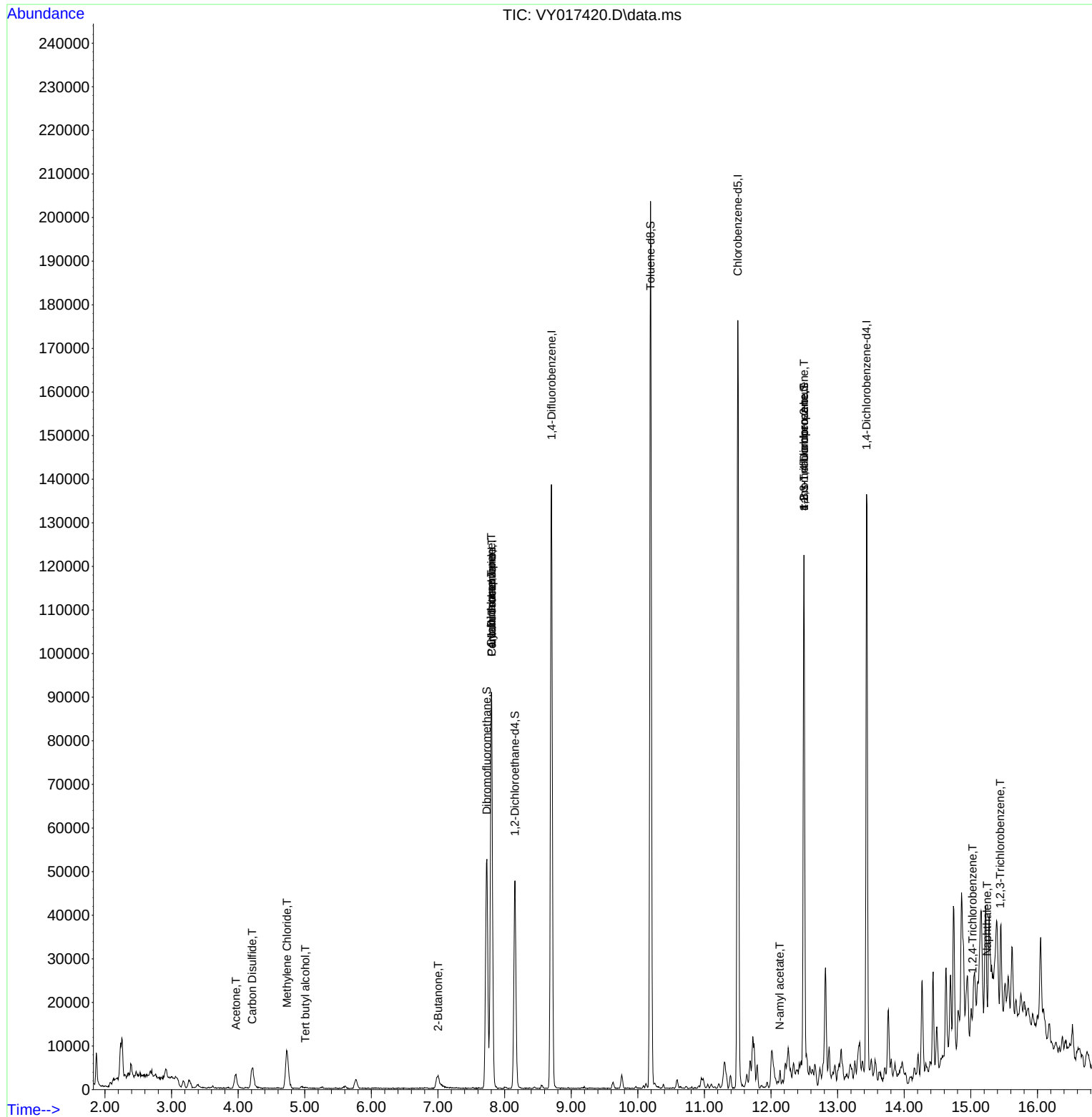
Internal Standards						
1) Pentafluorobenzene	7.807	168	74347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	124805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	101207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	34390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	35677	56.172	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.340%			
35) Dibromofluoromethane	7.734	113	38517	52.722	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.440%			
50) Toluene-d8	10.191	98	134504	47.471	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.940%			
62) 4-Bromofluorobenzene	12.495	95	34762	37.243	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.480%			
Target Compounds						Qvalue
5) Bromomethane	2.668	94	635	Below Cal		82
11) Tert butyl alcohol	5.009	59	68	1.377 ug/l #		88
16) Acetone	3.966	43	5820	42.311 ug/l #		81
17) Carbon Disulfide	4.210	76	2592	1.112 ug/l #		76
20) Methylene Chloride	4.735	84	7020	2.554 ug/l		89
25) 2-Butanone	7.002	43	737	3.817 ug/l #		74
31) Cyclohexane	7.801	56	1478	1.175 ug/l #		3
36) 1,1-Dichloropropene	7.801	75	5607	4.595 ug/l #		47
38) Carbon Tetrachloride	7.807	117	7139	5.877 ug/l #		16
74) N-amyl acetate	12.130	43	595	1.286 ug/l #		72
76) 1,2,3-Trichloropropane	12.495	75	18195	54.567 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.495	75	18195	127.226 ug/l #		16
93) 1,2,4-Trichlorobenzene	15.025	180	580	1.047 ug/l #		92
95) Naphthalene	15.245	128	1521	4.914 ug/l		98
96) 1,2,3-Trichlorobenzene	15.440	180	1072	2.303 ug/l #		91

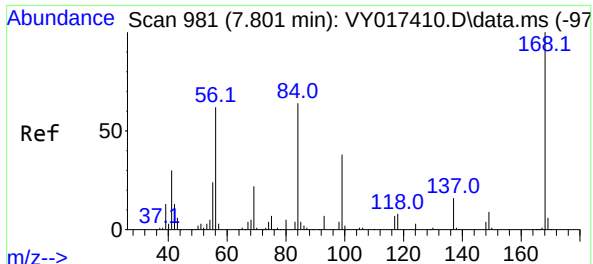
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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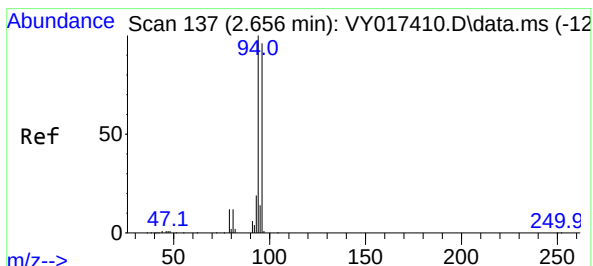
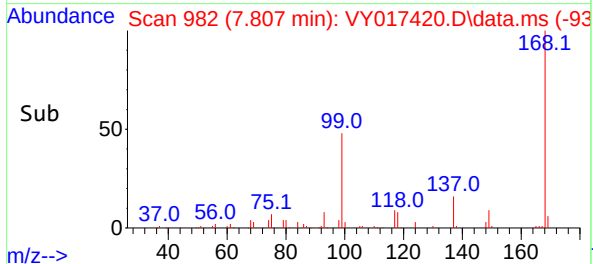
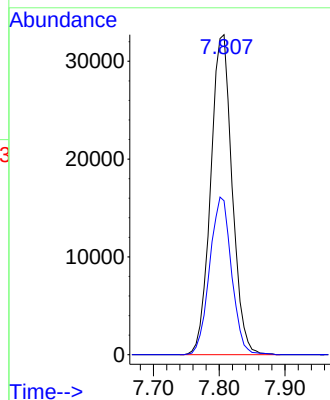
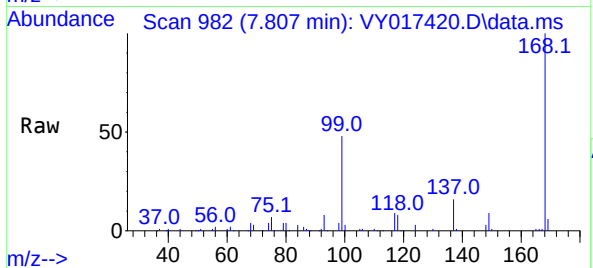




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

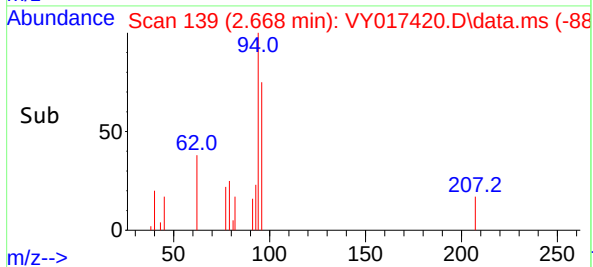
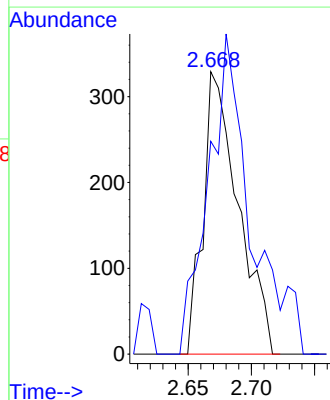
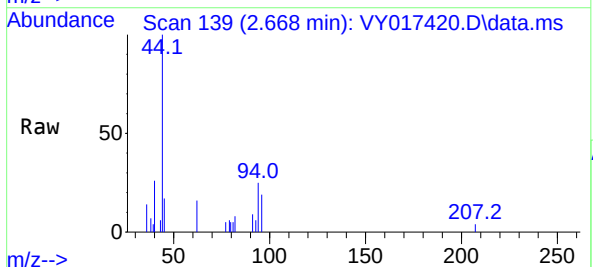
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

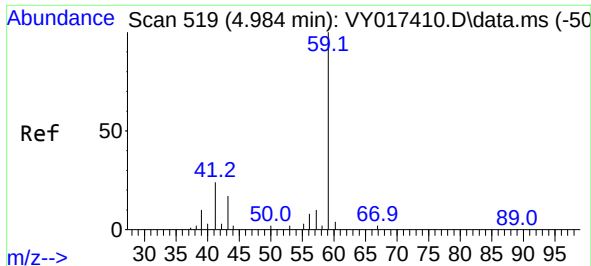
Tgt Ion:168 Resp: 74347
Ion Ratio Lower Upper
168 100
99 48.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 94 Resp: 635
Ion Ratio Lower Upper
94 100
96 75.4 74.1 111.1

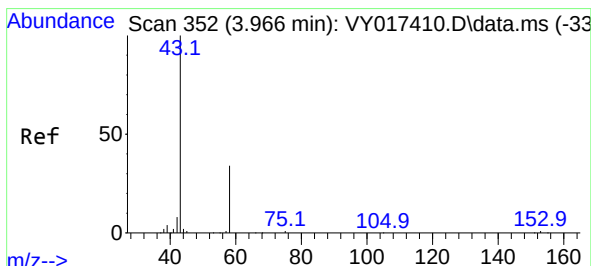
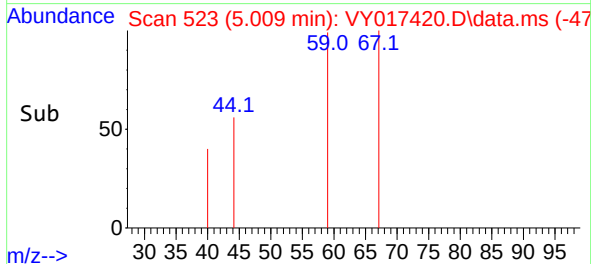
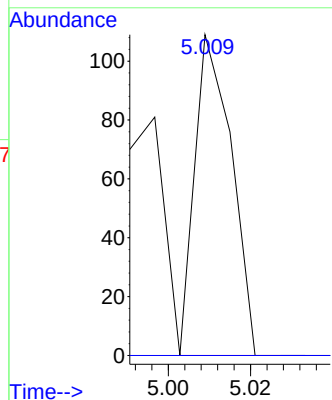
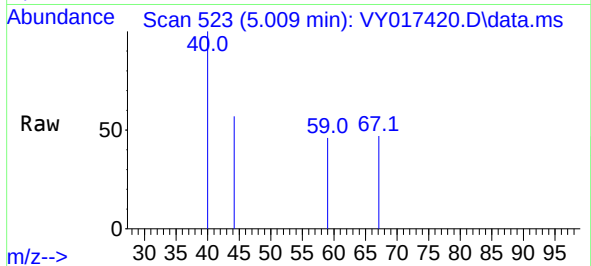




#11
Tert butyl alcohol
Concen: 1.377 ug/l
RT: 5.009 min Scan# 51
Delta R.T. 0.025 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

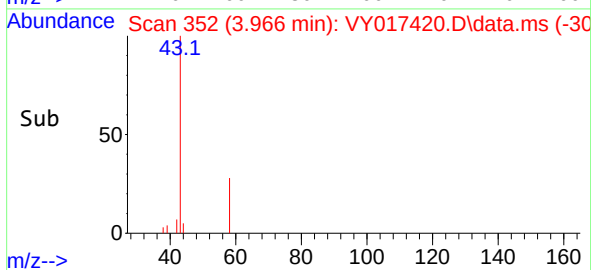
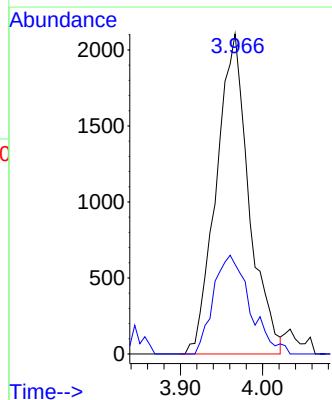
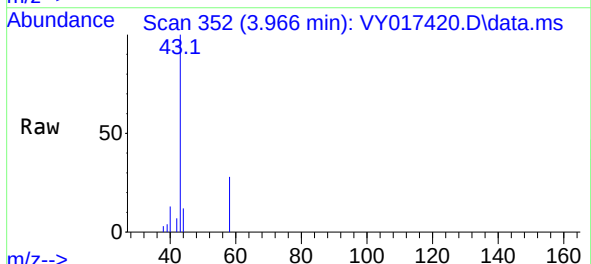
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

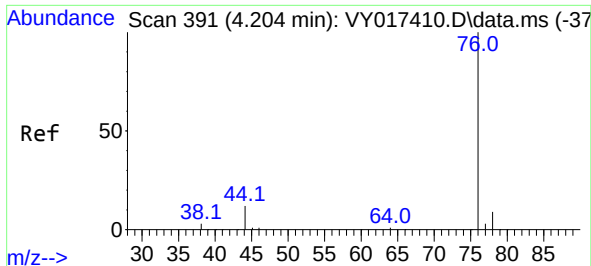
Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#16
Acetone
Concen: 42.311 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 43 Resp: 5820
Ion Ratio Lower Upper
43 100
58 28.0 31.7 47.5#





#17

Carbon Disulfide

Concen: 1.112 ug/l

RT: 4.210 min Scan# 391

Delta R.T. 0.006 min

Lab File: VY017420.D

Acq: 20 Feb 2024 14:36

Instrument :

MSVOA_Y

ClientSampleId :

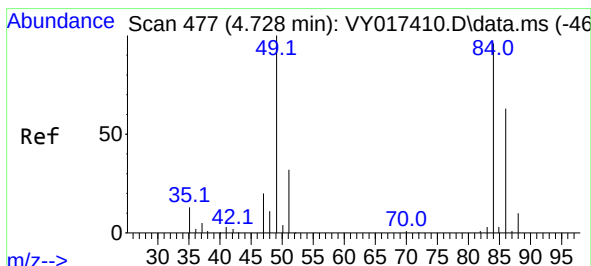
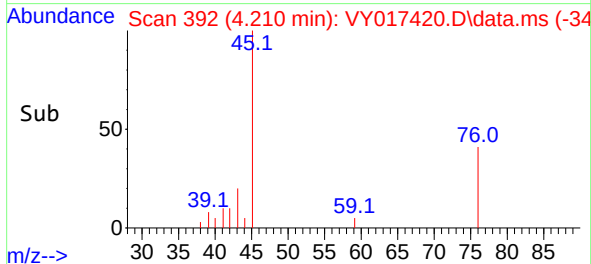
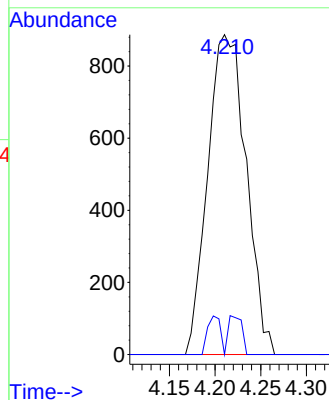
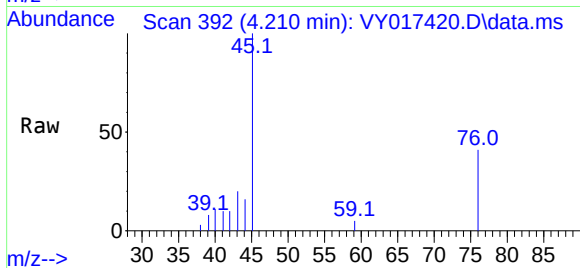
BP-VPB-191-GW-848-850RE

Tgt Ion: 76 Resp: 2592

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#20

Methylene Chloride

Concen: 2.554 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.007 min

Lab File: VY017420.D

Acq: 20 Feb 2024 14:36

Tgt Ion: 84 Resp: 7020

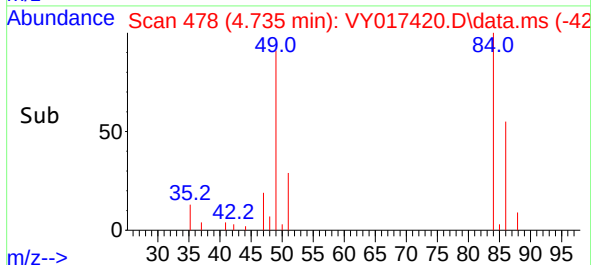
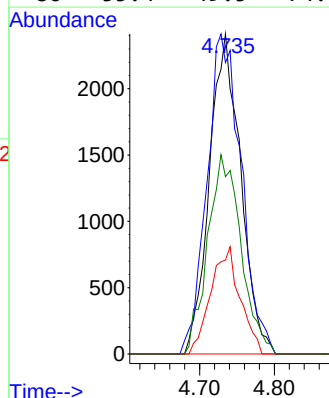
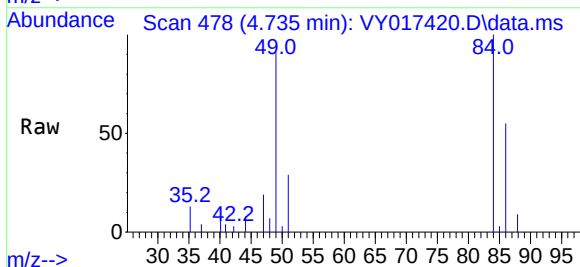
Ion Ratio Lower Upper

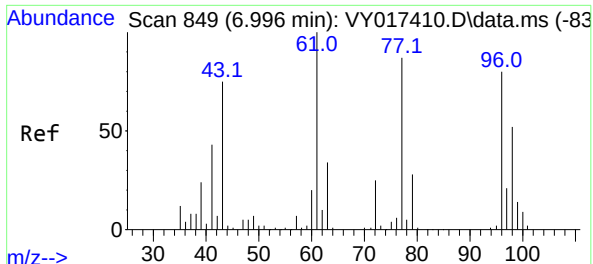
84 100

49 91.0 84.4 126.6

51 29.4 26.0 39.0

86 55.4 49.5 74.3

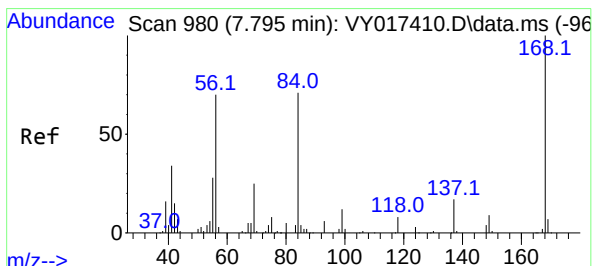
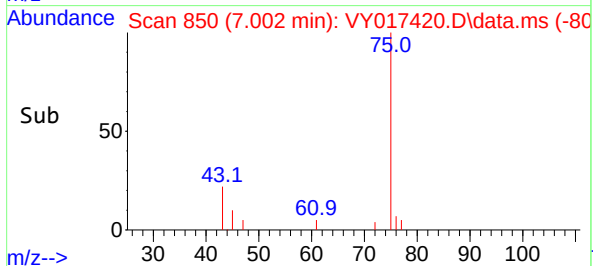
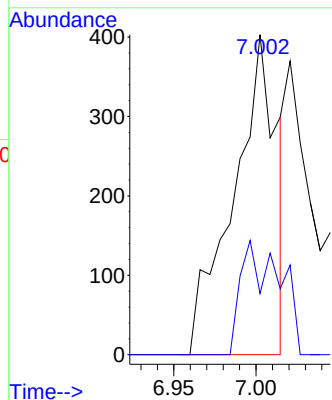
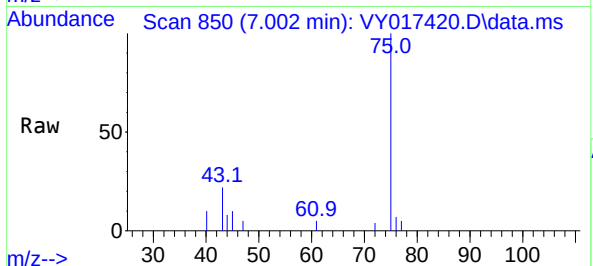




#25
2-Butanone
Concen: 3.817 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

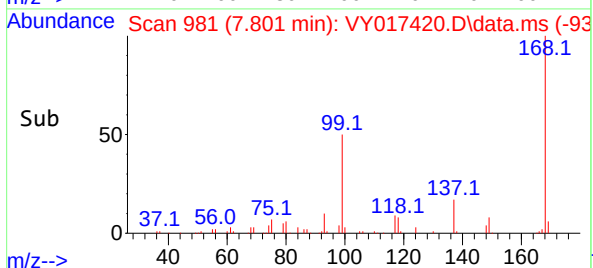
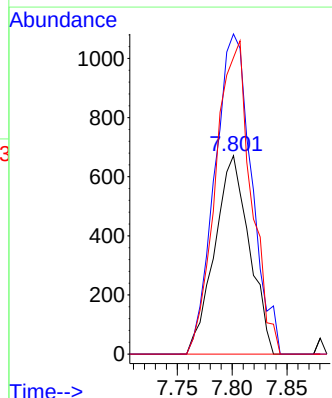
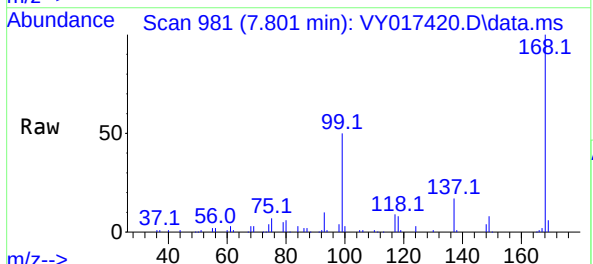
Instrument :
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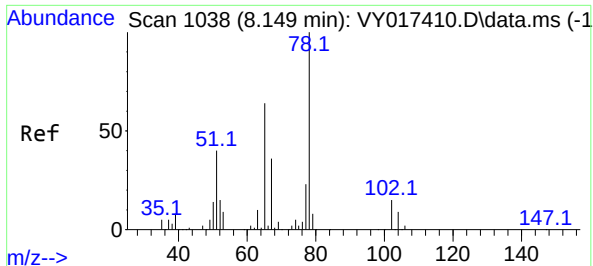
Tgt Ion: 43 Resp: 737
Ion Ratio Lower Upper
43 100
72 19.1 27.3 40.9#



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 56 Resp: 1478
Ion Ratio Lower Upper
56 100
69 161.4 28.7 43.1#
84 149.5 77.7 116.5#

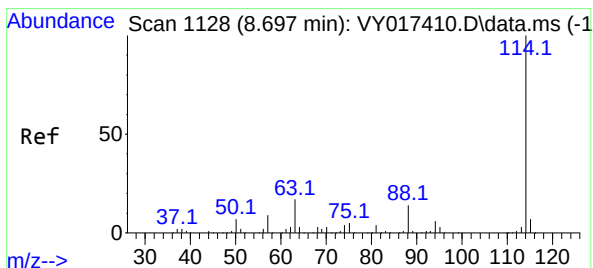
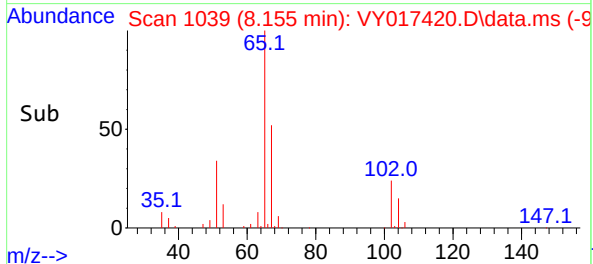
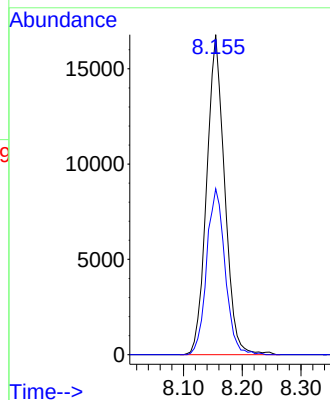
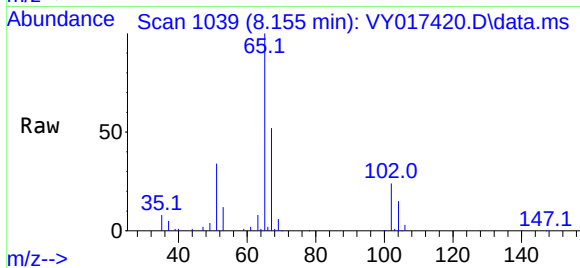




#33
1,2-Dichloroethane-d4
Concen: 56.172 ug/l
RT: 8.155 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

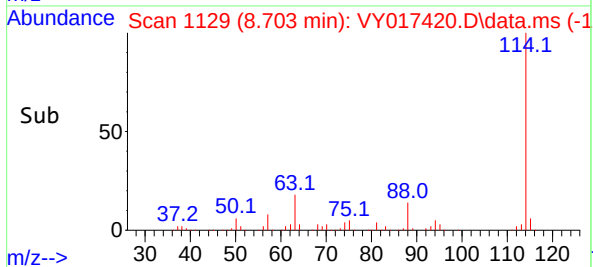
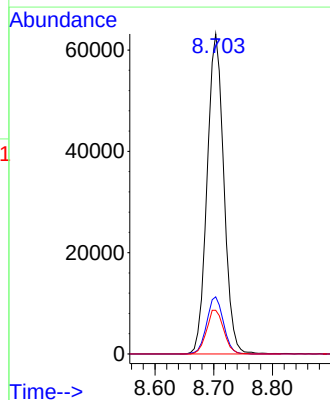
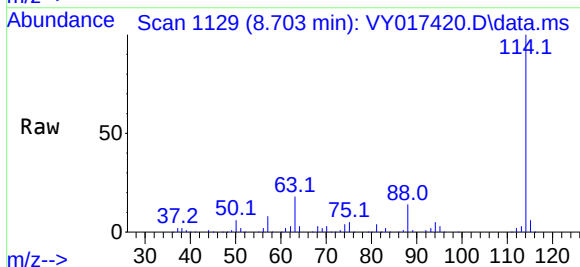
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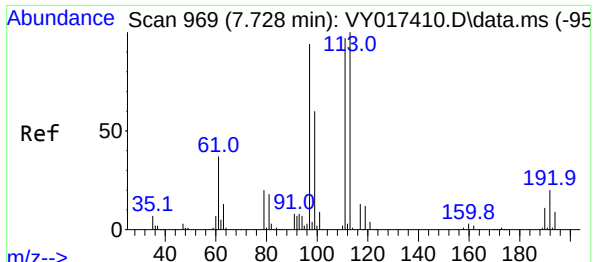
Tgt Ion: 65 Resp: 35677
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion:114 Resp: 124805
Ion Ratio Lower Upper
114 100
63 17.8 0.0 35.0
88 13.7 0.0 27.2

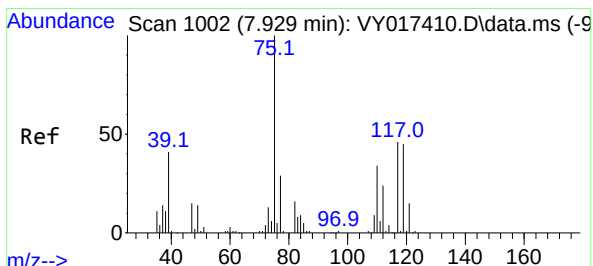
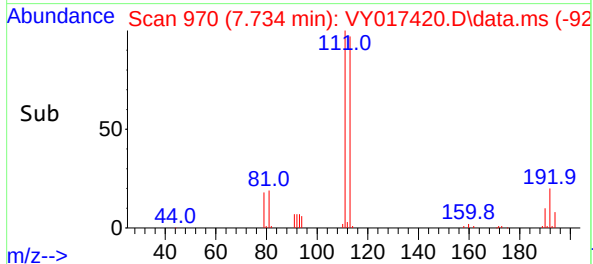
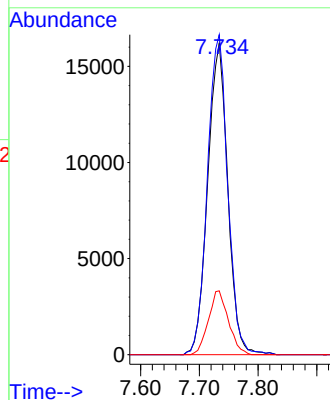
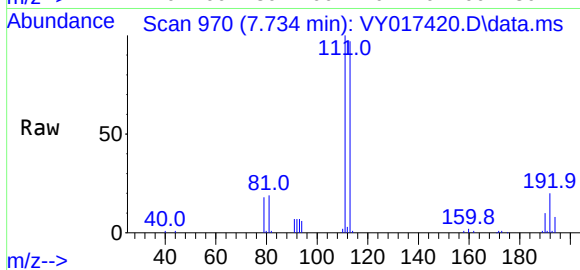




#35
Dibromofluoromethane
Concen: 52.722 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

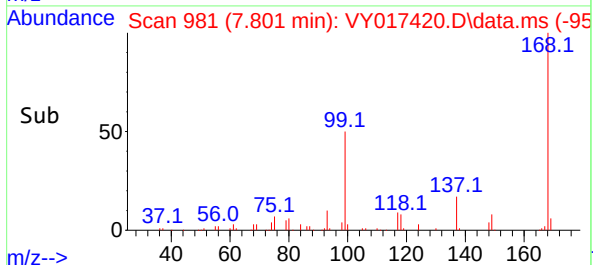
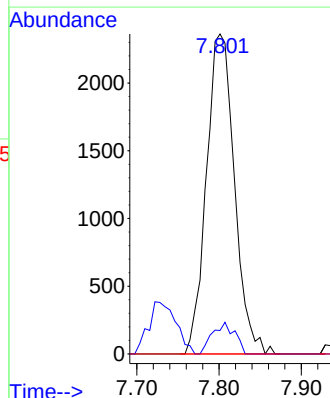
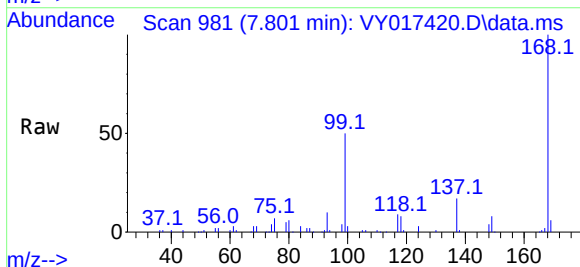
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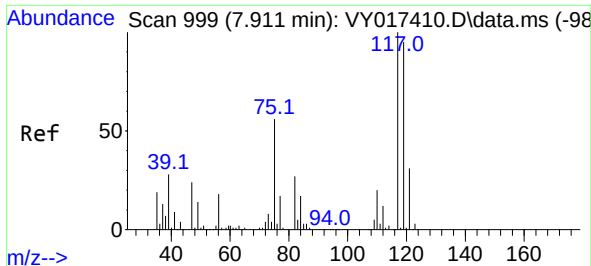
Tgt Ion:113 Resp: 38517
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 20.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

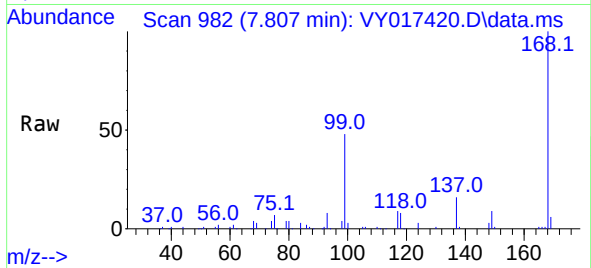
Tgt Ion: 75 Resp: 5607
Ion Ratio Lower Upper
75 100
110 7.9 19.0 57.0#
77 0.0 25.3 37.9#



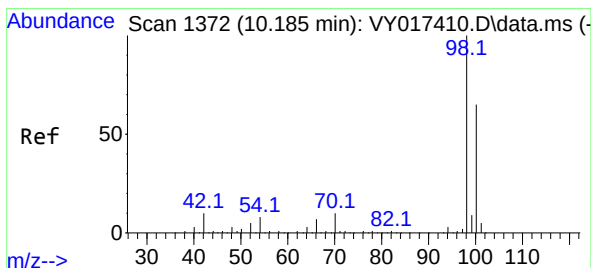
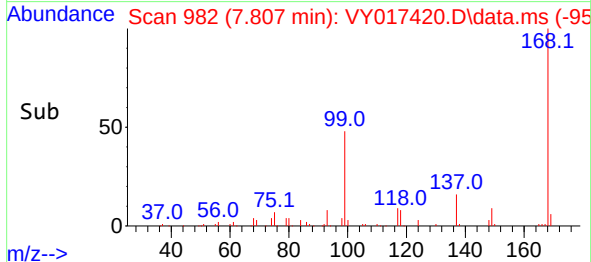
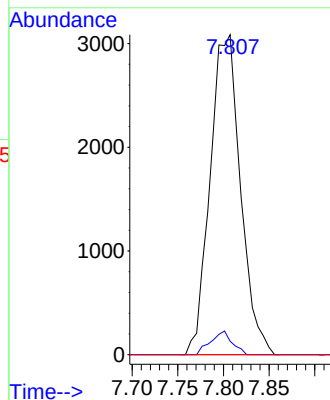


#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

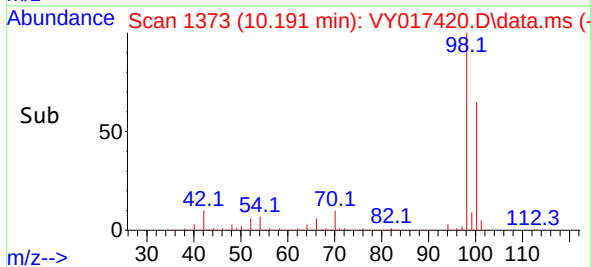
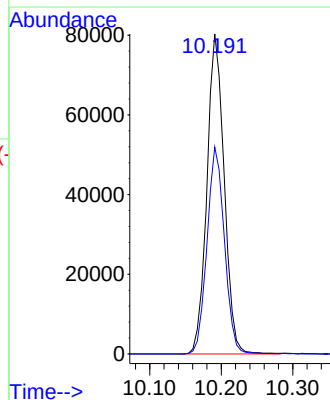
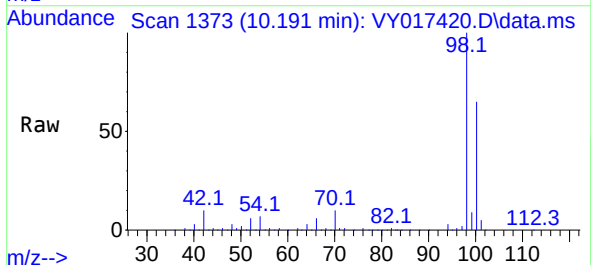


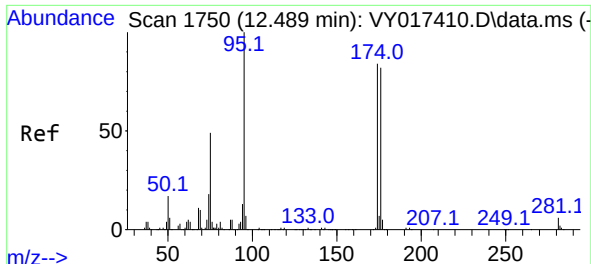
Tgt Ion:117 Resp: 7139
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.471 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 98 Resp: 134504
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

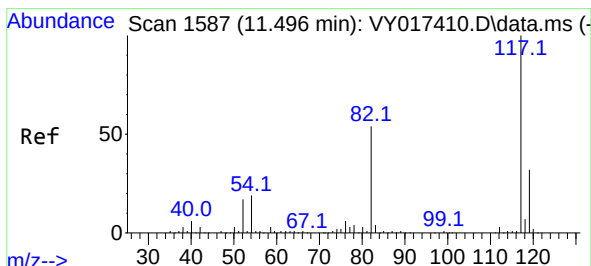
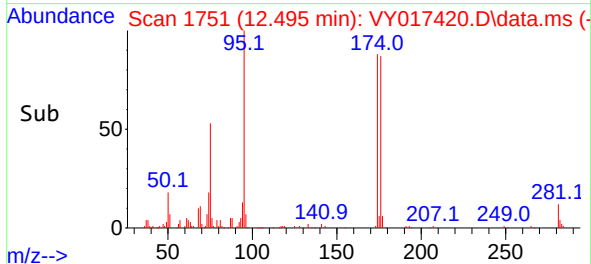
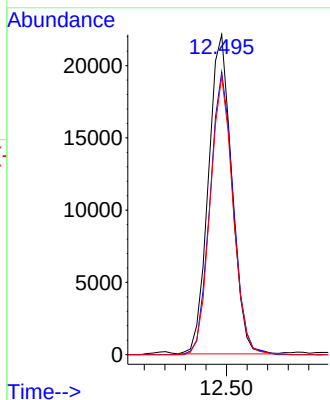
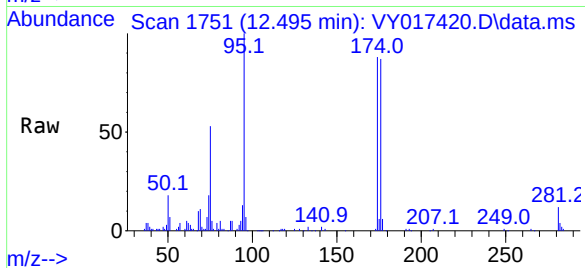




#62
4-Bromofluorobenzene
Concen: 37.243 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

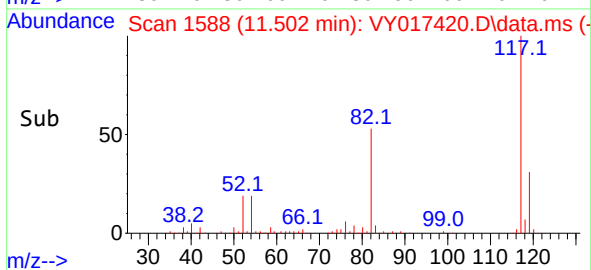
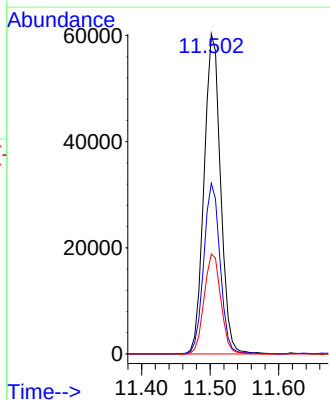
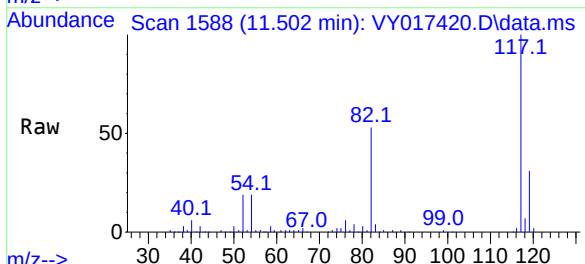
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

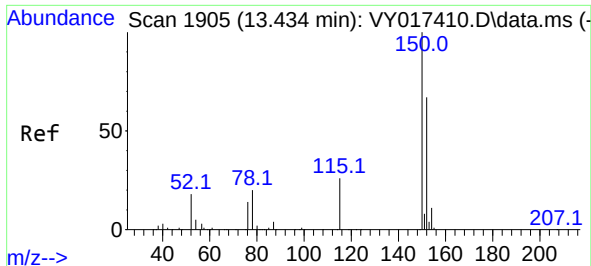
Tgt Ion: 95 Resp: 34762
Ion Ratio Lower Upper
95 100
174 88.3 0.0 175.6
176 85.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 117 Resp: 101207
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 31.3 25.9 38.9

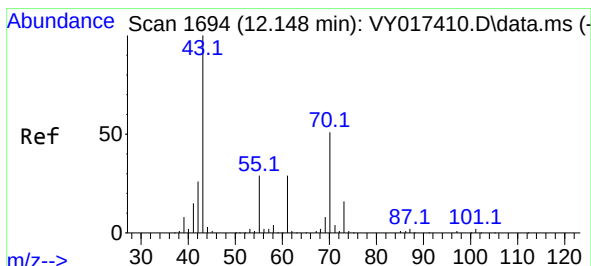
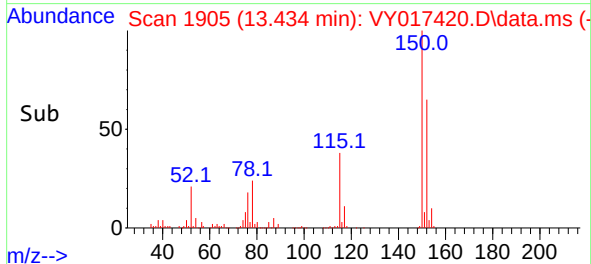
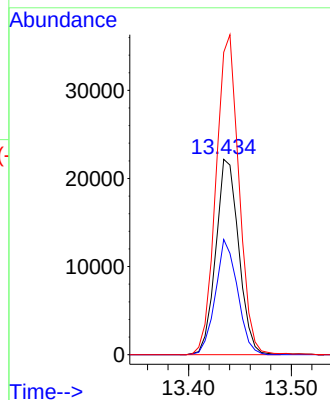
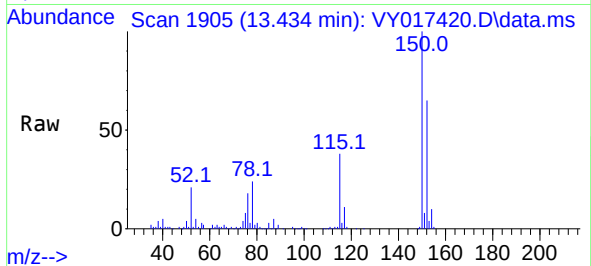




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

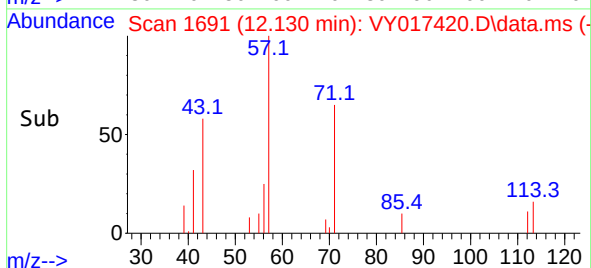
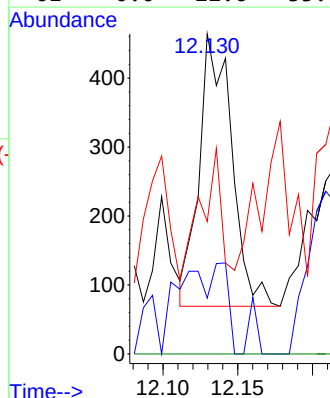
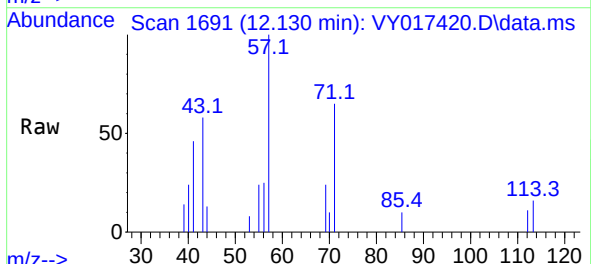
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

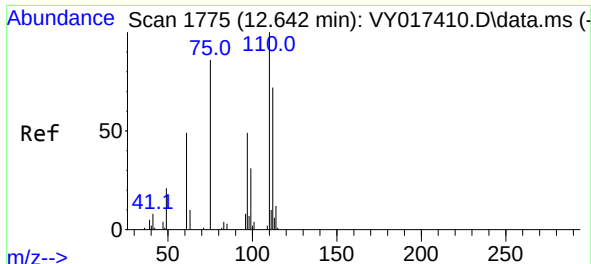
Tgt Ion:152 Resp: 34390
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 164.1 0.0 345.6



#74
N-ethyl acetate
Concen: 1.286 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
70 31.9 41.4 62.2#
55 30.3 23.3 34.9
61 0.0 22.6 33.8#

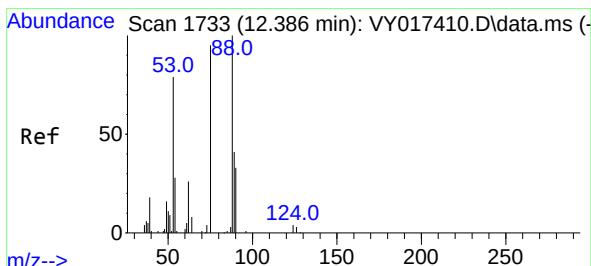
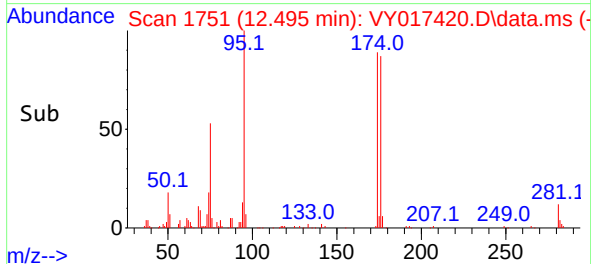
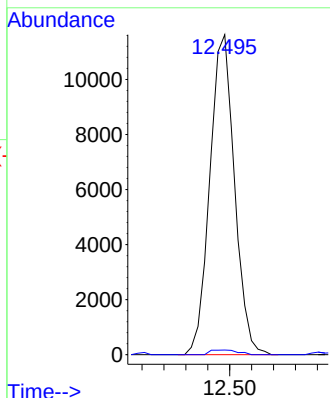
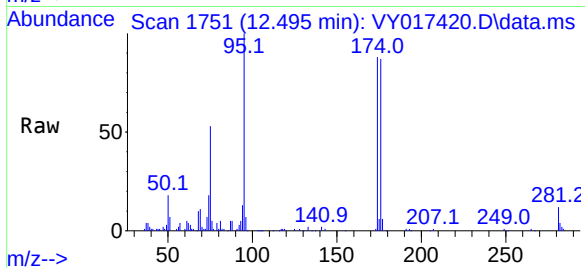




#76
1,2,3-Trichloropropane
Concen: 54.567 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

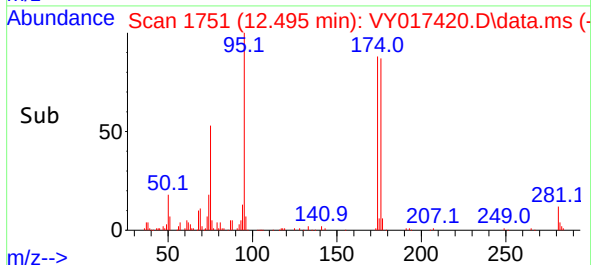
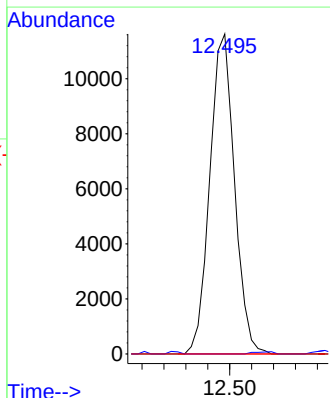
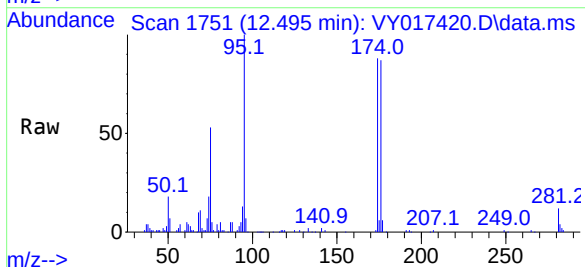
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

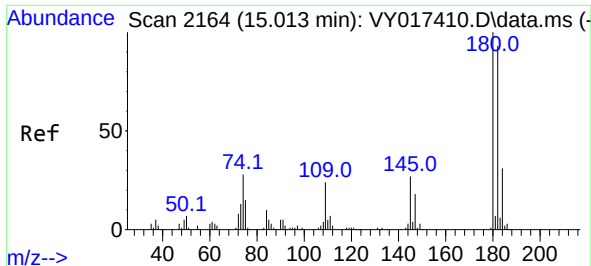
Tgt Ion: 75 Resp: 18195
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.226 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

Tgt Ion: 75 Resp: 18195
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

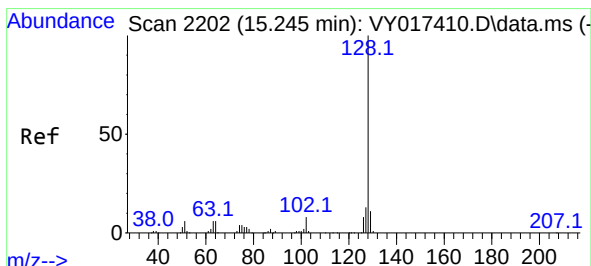
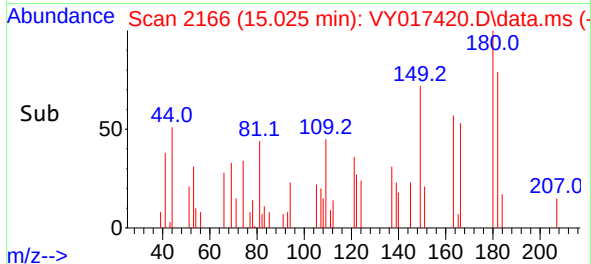
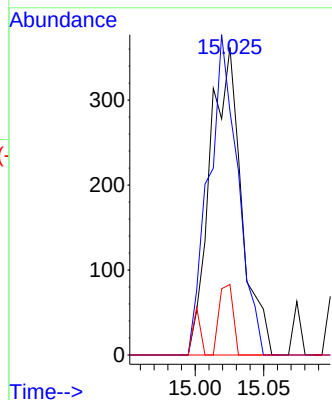
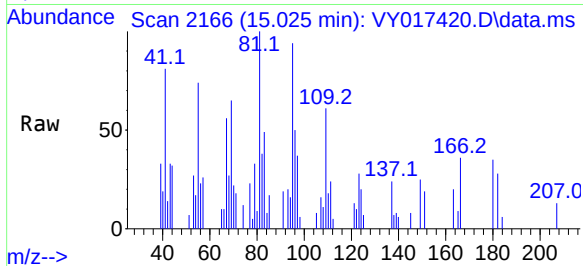




#93
1,2,4-Trichlorobenzene
Concen: 1.047 ug/l
RT: 15.025 min Scan# 2166
Delta R.T. 0.012 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

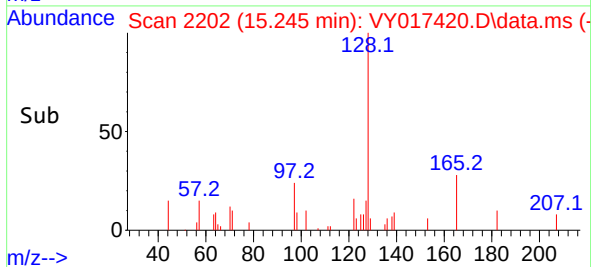
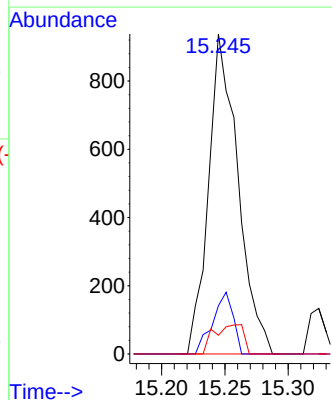
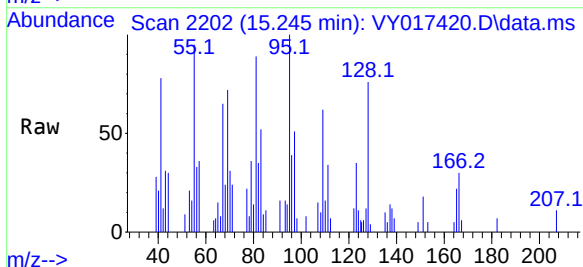
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-191-GW-848-850RE

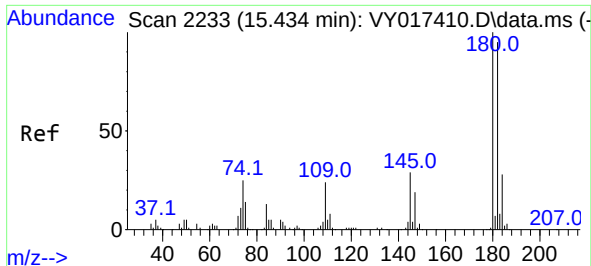
Tgt Ion:180 Resp: 580
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.8
145 10.2 14.2 42.6#



#95
Naphthalene
Concen: 4.914 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017420.D
Acq: 20 Feb 2024 14:36

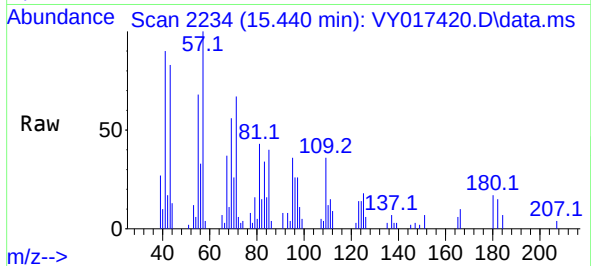
Tgt Ion:128 Resp: 1521
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 9.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.303 ug/l
 RT: 15.440 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017420.D
 Acq: 20 Feb 2024 14:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-191-GW-848-850RE



Tgt Ion:	180	Resp:	1072
Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.6	142.9
145	15.0	15.4	46.1#

