

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030124\
 Data File : VY017549.D
 Acq On : 01 Mar 2024 13:57
 Operator : SY/MD
 Sample : P1660-08
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-195-GW-1000-1002

Quant Time: Mar 02 00:18:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

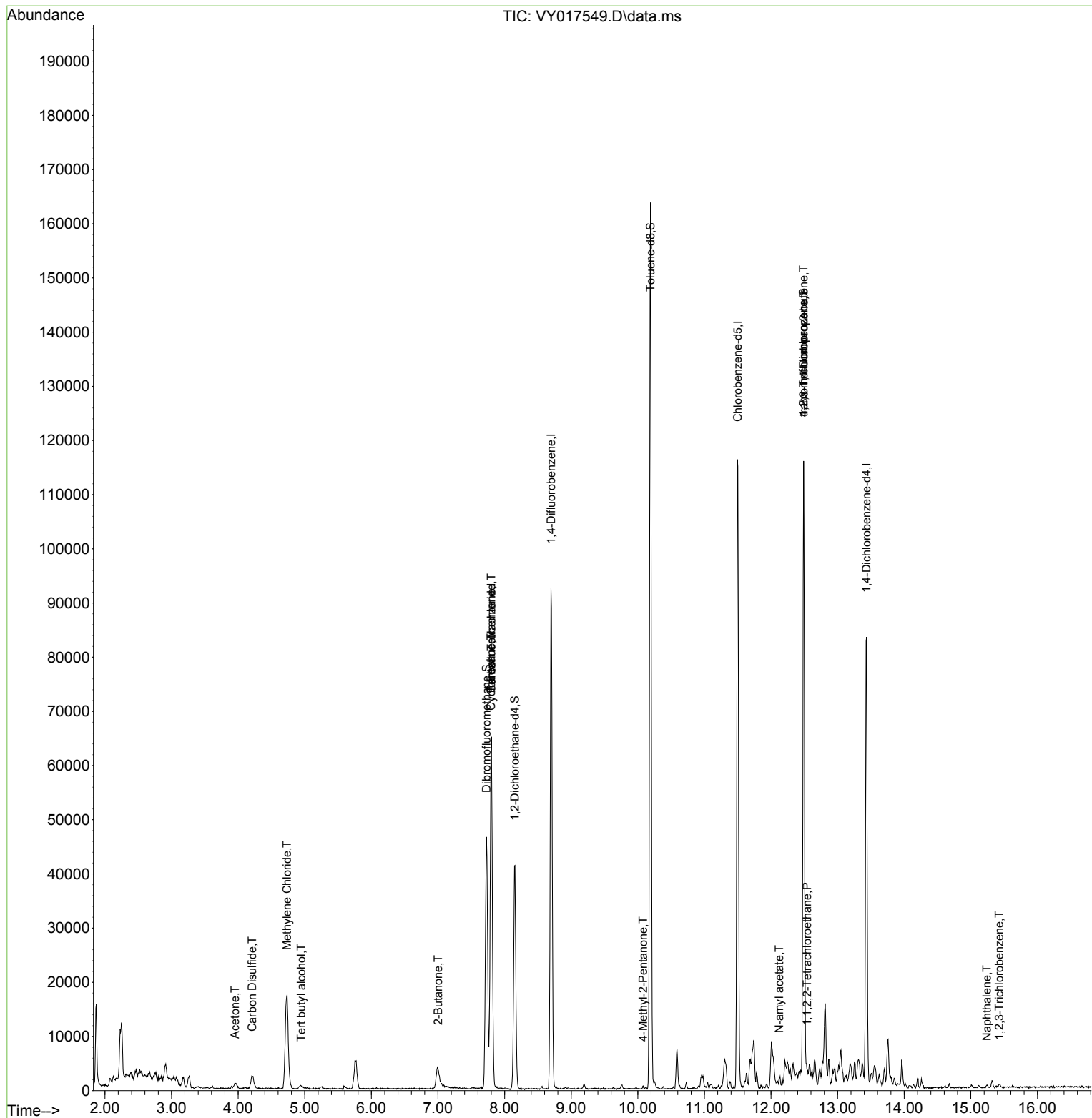
Internal Standards						
1) Pentafluorobenzene	7.801	168	53998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	85017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	71056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	23013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	31104	60.779	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.560%	
35) Dibromofluoromethane	7.728	113	33894	57.212	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.420%	
50) Toluene-d8	10.191	98	112256	54.195	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.380%	
62) 4-Bromofluorobenzene	12.489	95	28454	43.710	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.420%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.948	59	812	18.679	ug/l #	88
16) Acetone	3.954	43	2114	21.298	ug/l #	81
17) Carbon Disulfide	4.210	76	1591	1.039	ug/l	98
20) Methylene Chloride	4.735	84	14996	22.726	ug/l	95
25) 2-Butanone	7.003	43	470	3.323	ug/l #	41
31) Cyclohexane	7.795	56	1313	1.577	ug/l #	37
38) Carbon Tetrachloride	7.801	117	4929	6.153	ug/l #	18
51) 4-Methyl-2-Pentanone	10.081	43	443	1.433	ug/l #	62
74) N-amyl acetate	12.124	43	627	2.079	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.544	83	327	1.114	ug/l #	26
76) 1,2,3-Trichloropropane	12.489	75	14739	67.407	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	14739	154.885	ug/l #	17
95) Naphthalene	15.239	128	611	4.697	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	420	1.319	ug/l	68

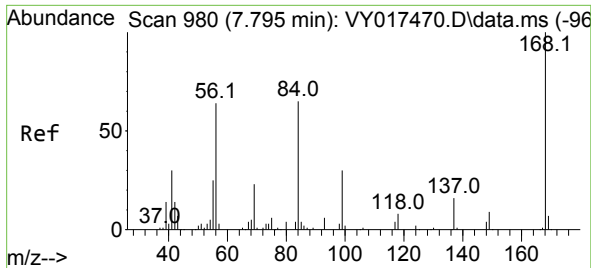
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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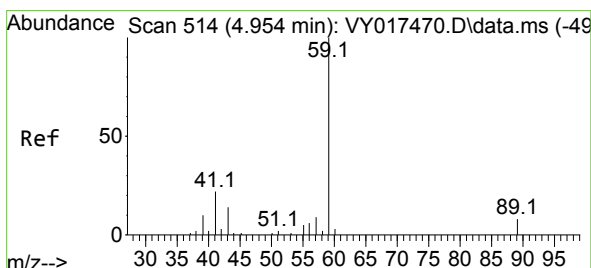
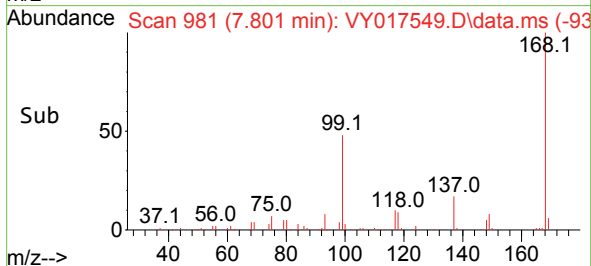
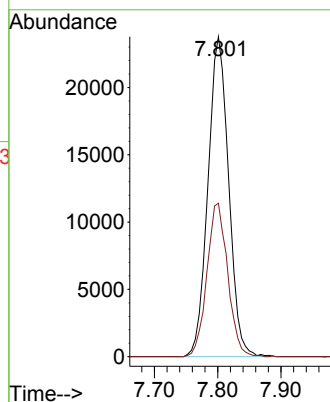
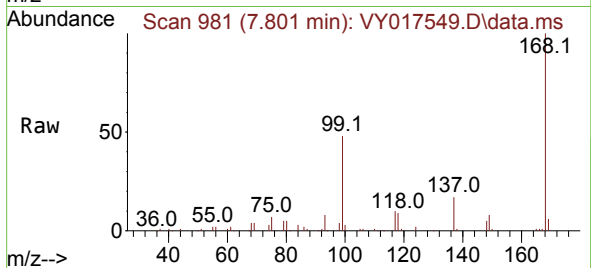




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

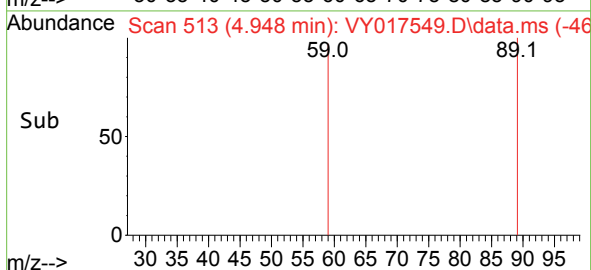
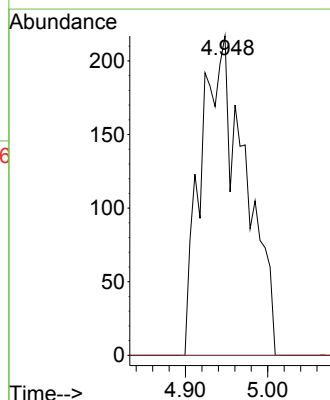
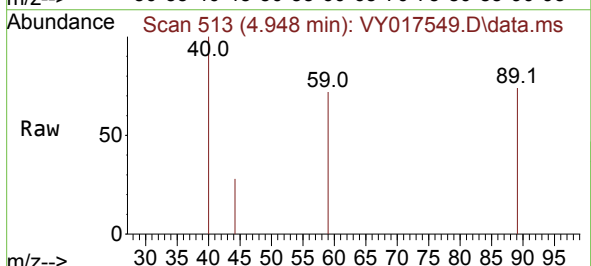
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-1000-1002

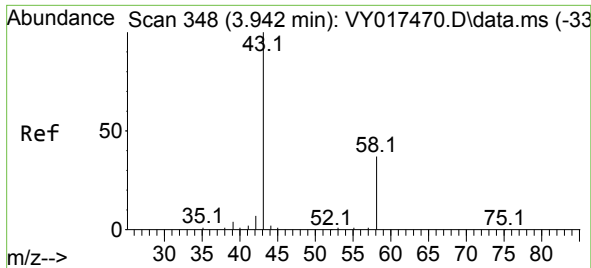
Tgt Ion:168 Resp: 53998
Ion Ratio Lower Upper
168 100
99 47.9 39.1 58.7



#11
Tert butyl alcohol
Concen: 18.679 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Tgt Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 21.298 ug/l

RT: 3.954 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY017549.D

Acq: 01 Mar 2024 13:57

Instrument :

MSVOA_Y

ClientSampleId :

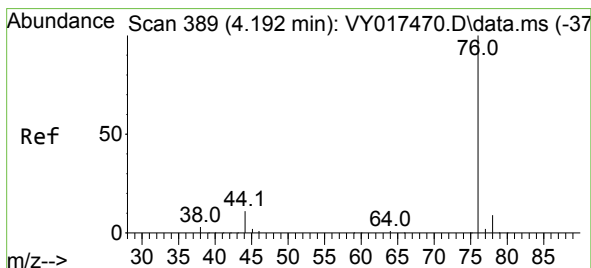
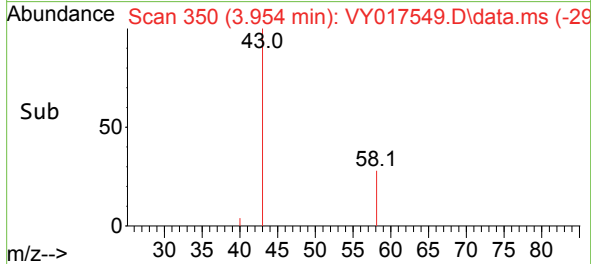
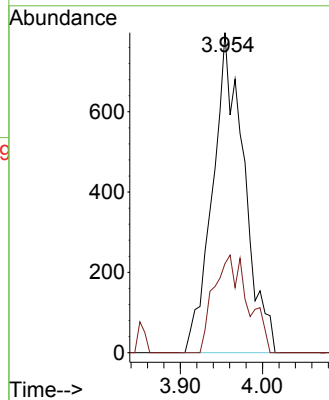
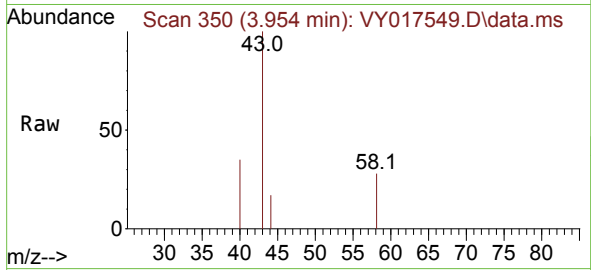
BP-VPB-195-GW-1000-1002

Tgt Ion: 43 Resp: 2114

Ion Ratio Lower Upper

43 100

58 27.9 31.7 47.5#



#17

Carbon Disulfide

Concen: 1.039 ug/l

RT: 4.210 min Scan# 392

Delta R.T. 0.018 min

Lab File: VY017549.D

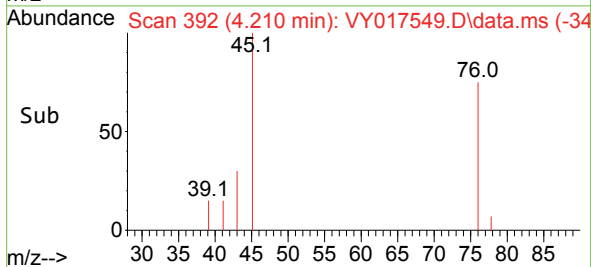
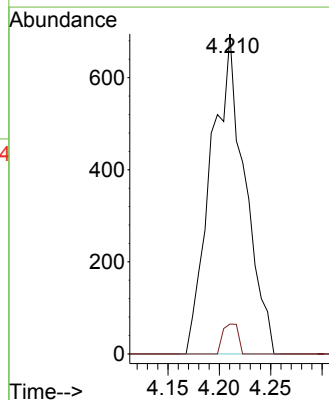
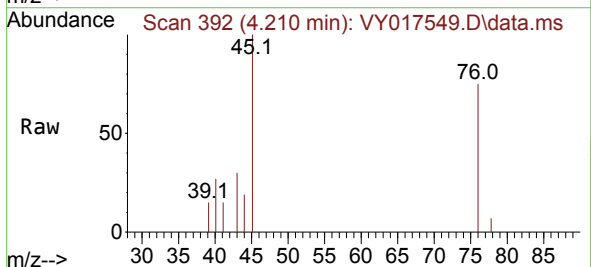
Acq: 01 Mar 2024 13:57

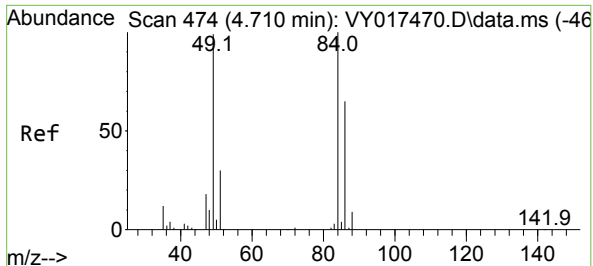
Tgt Ion: 76 Resp: 1591

Ion Ratio Lower Upper

76 100

78 9.4 6.8 10.2

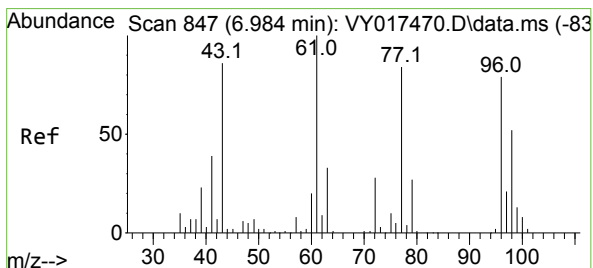
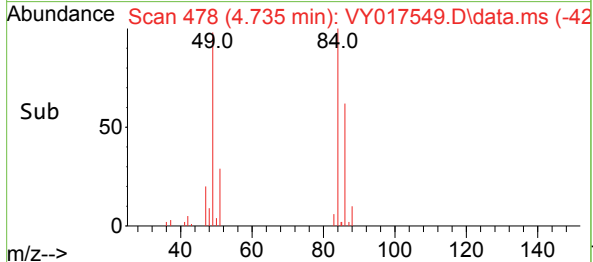
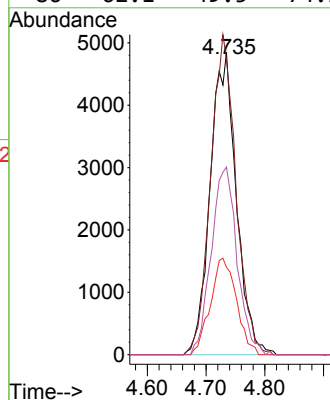
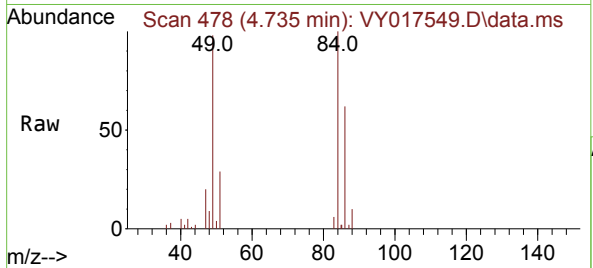




#20
Methylene Chloride
Concen: 22.726 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

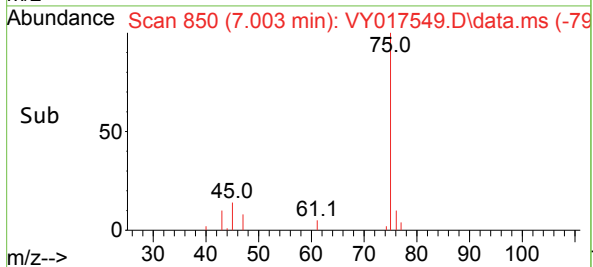
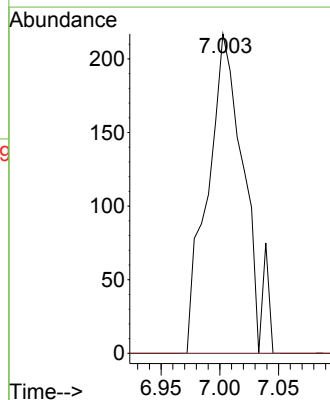
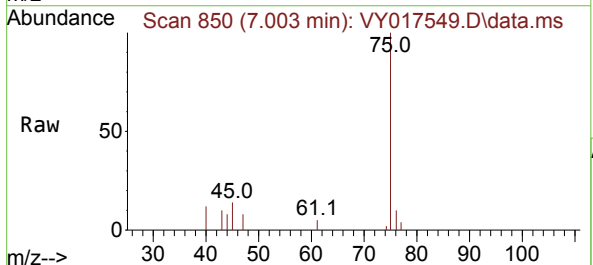
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-1000-1002

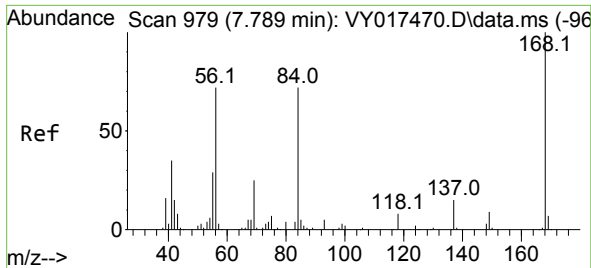
Tgt Ion:	84	Resp:	14996
Ion	Ratio	Lower	Upper
84	100		
49	97.9	84.4	126.6
51	29.0	26.0	39.0
86	62.1	49.5	74.3



#25
2-Butanone
Concen: 3.323 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.018 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Tgt Ion:	43	Resp:	470
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

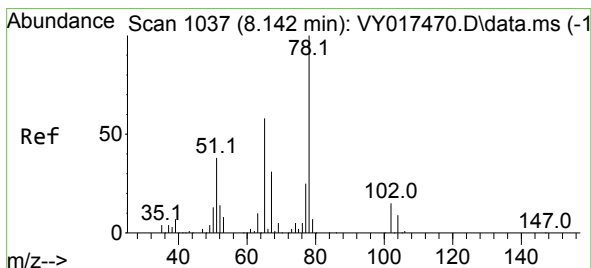
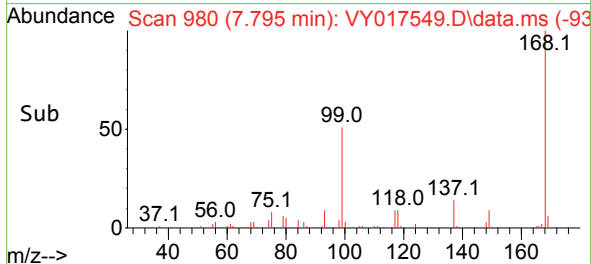
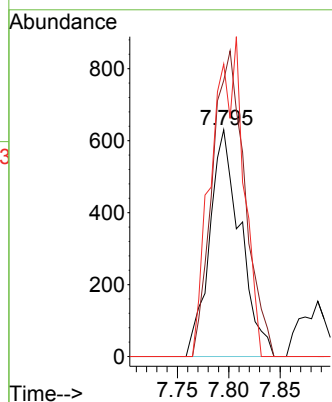
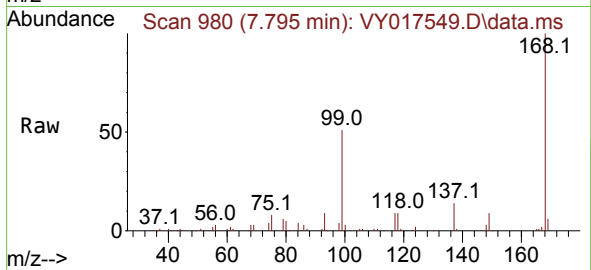




#31
Cyclohexane
Concen: 1.577 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

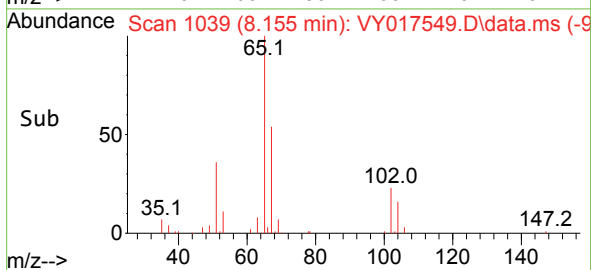
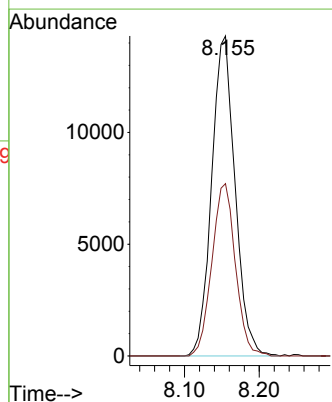
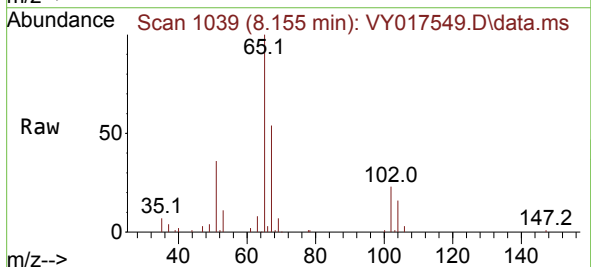
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-1000-1002

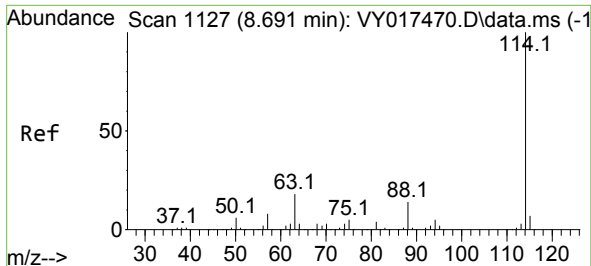
Tgt Ion: 56 Resp: 1313
Ion Ratio Lower Upper
56 100
69 121.7 28.7 43.1#
84 129.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 60.779 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Tgt Ion: 65 Resp: 31104
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.6

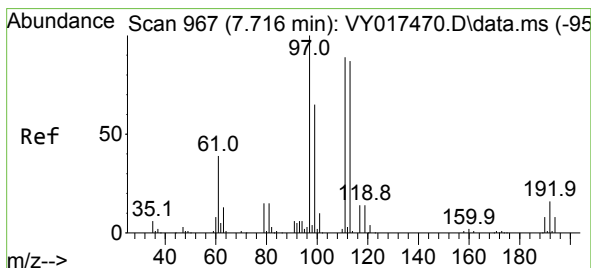
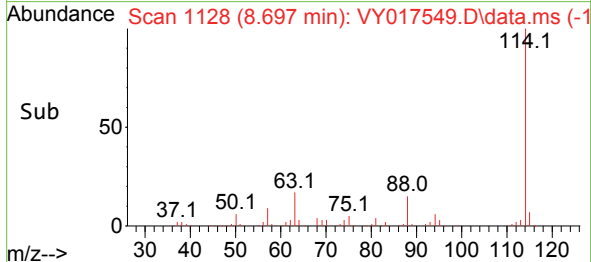
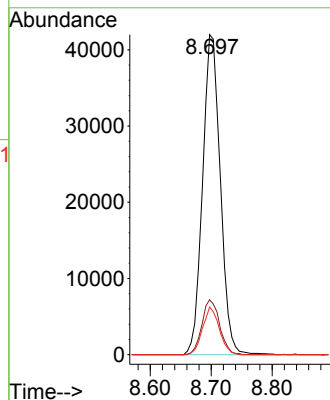
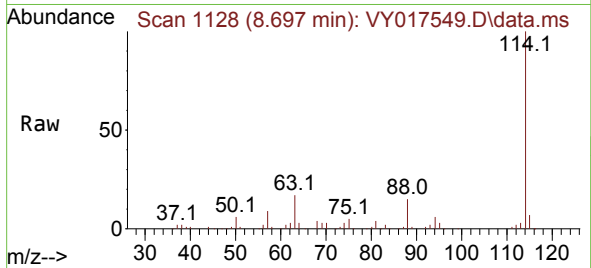




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY017549.D
 Acq: 01 Mar 2024 13:57

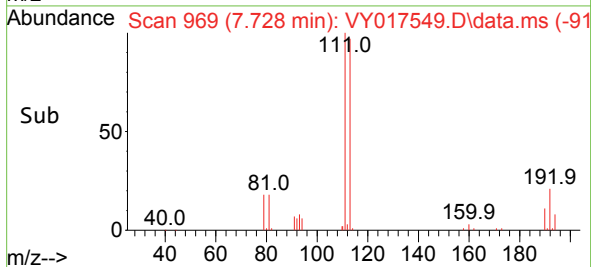
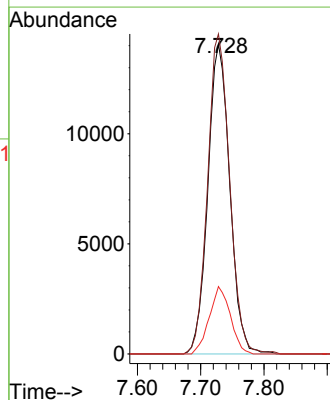
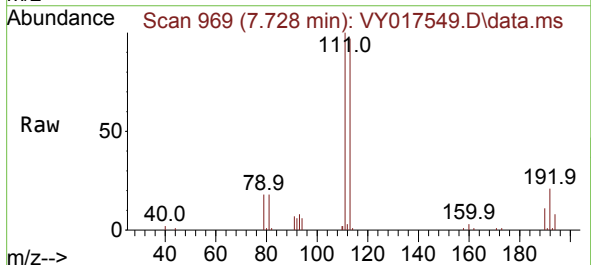
Instrument :
 MSVOA_Y
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 BP-VPB-195-GW-1000-1002

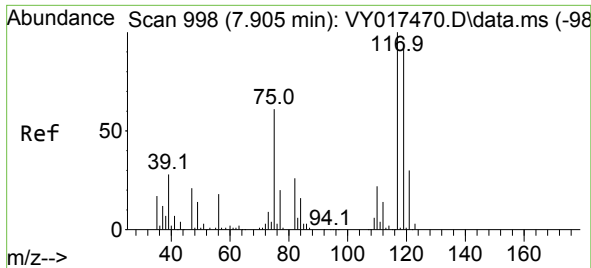
Tgt Ion:114 Resp: 85017
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.0
 88 14.9 0.0 27.2



#35
 Dibromofluoromethane
 Concen: 57.212 ug/l
 RT: 7.728 min Scan# 969
 Delta R.T. 0.012 min
 Lab File: VY017549.D
 Acq: 01 Mar 2024 13:57

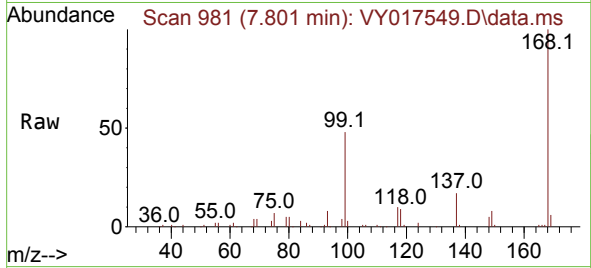
Tgt Ion:113 Resp: 33894
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.2 123.4
 192 21.0 15.9 23.9



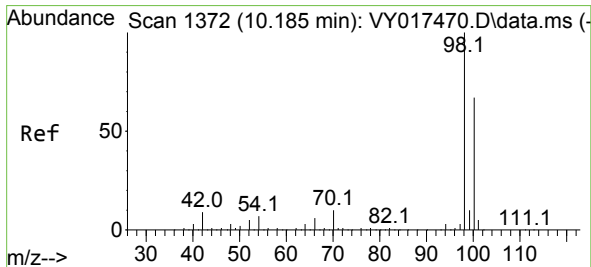
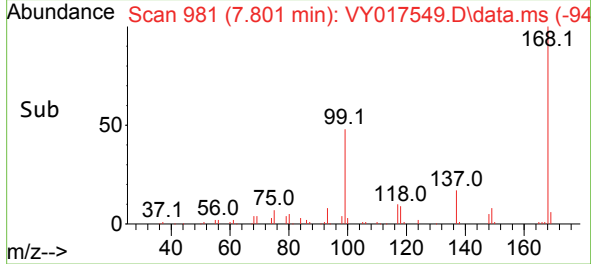
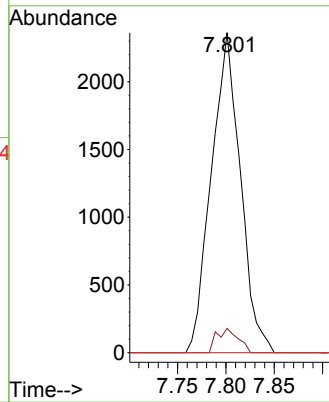


#38
Carbon Tetrachloride
Concen: 6.153 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-1000-1002

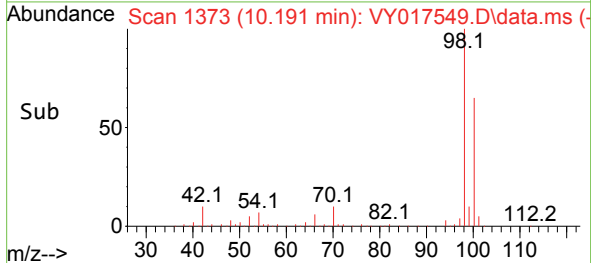
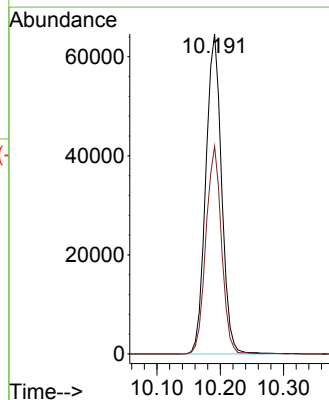
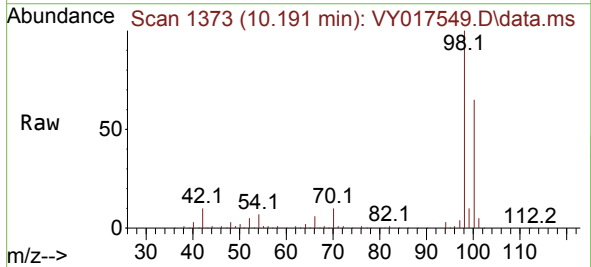


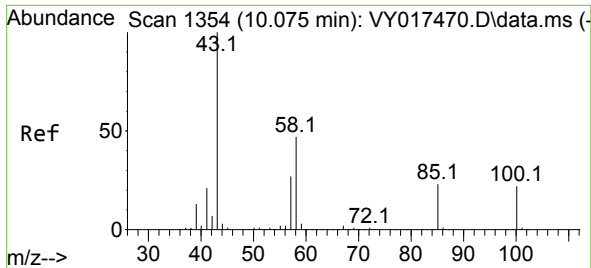
Tgt Ion:117 Resp: 4929
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 54.195 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Tgt Ion: 98 Resp: 112256
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.433 ug/l

RT: 10.081 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017549.D

Acq: 01 Mar 2024 13:57

Instrument :

MSVOA_Y

ClientSampleId :

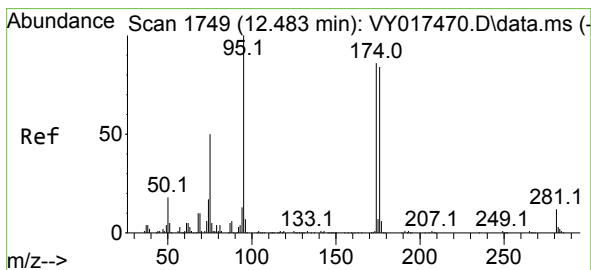
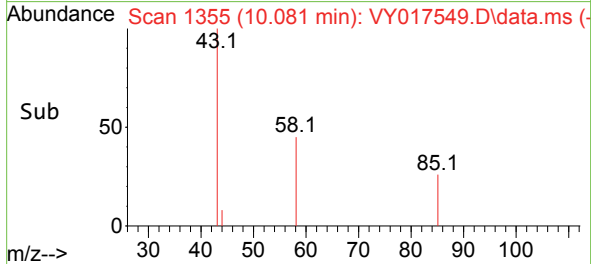
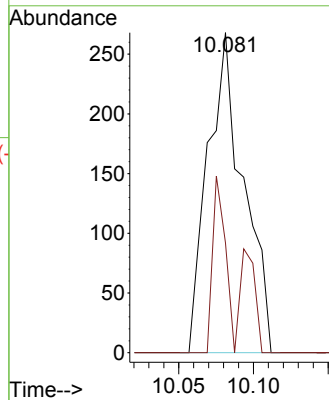
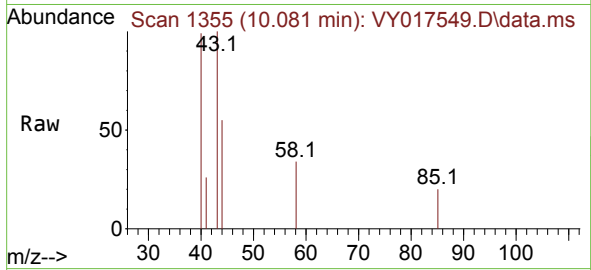
BP-VPB-195-GW-1000-1002

Tgt Ion: 43 Resp: 443

Ion Ratio Lower Upper

43 100

58 19.9 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 43.710 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VY017549.D

Acq: 01 Mar 2024 13:57

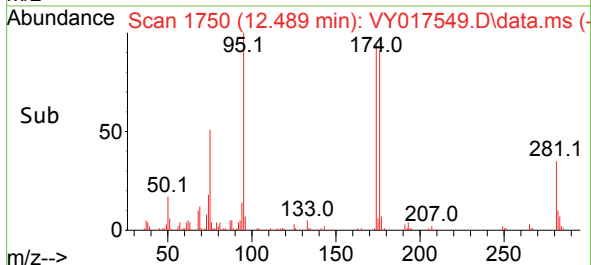
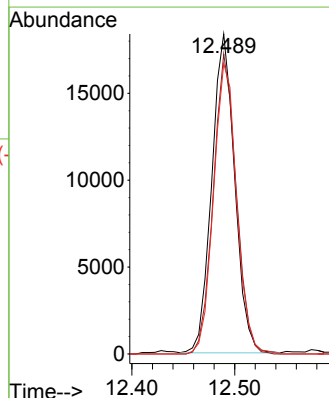
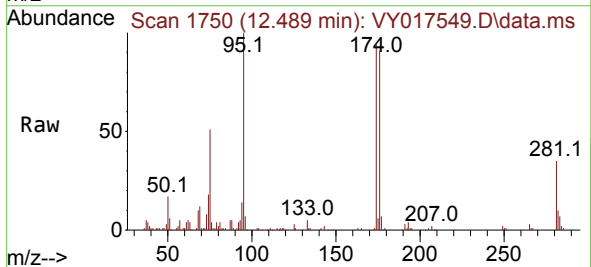
Tgt Ion: 95 Resp: 28454

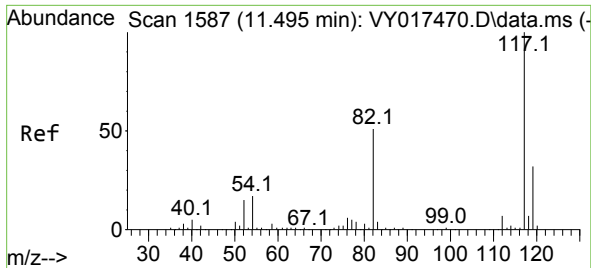
Ion Ratio Lower Upper

95 100

174 93.5 0.0 175.6

176 91.8 0.0 171.4

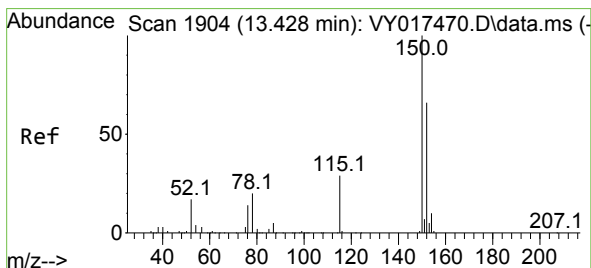
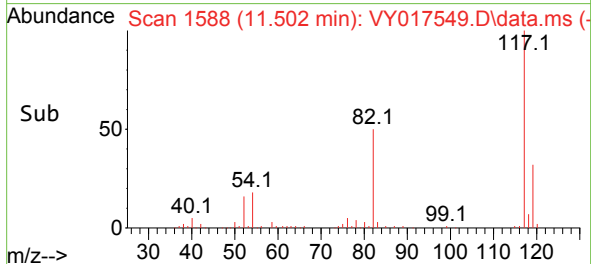
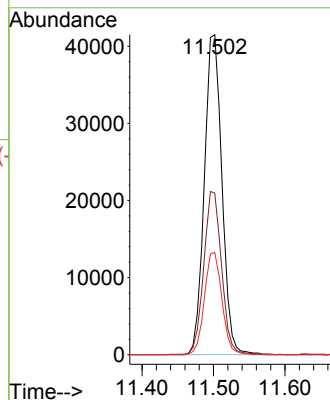
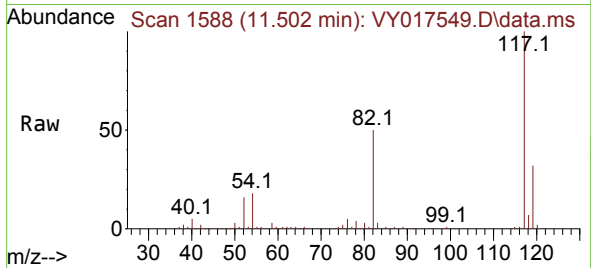




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

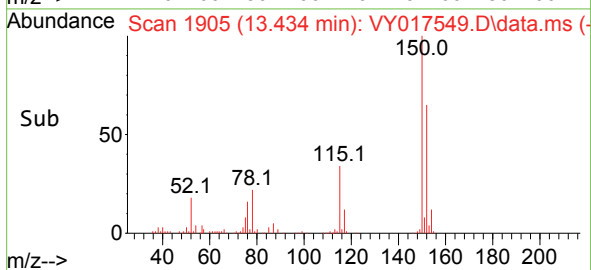
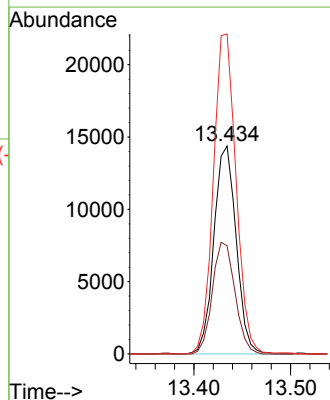
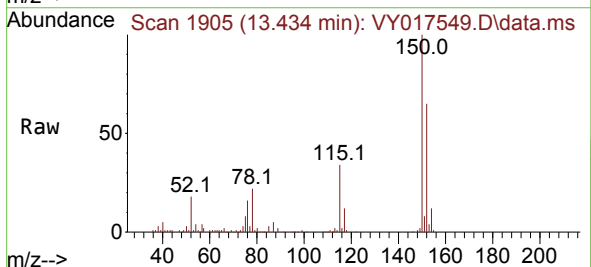
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-1000-1002

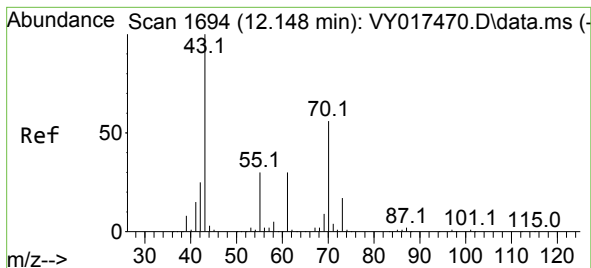
Tgt Ion:117 Resp: 71056
Ion Ratio Lower Upper
117 100
82 50.3 42.4 63.6
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Tgt Ion:152 Resp: 23013
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 156.4 0.0 345.6





#74

N-amy1 acetate

Concen: 2.079 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.024 min

Lab File: VY017549.D

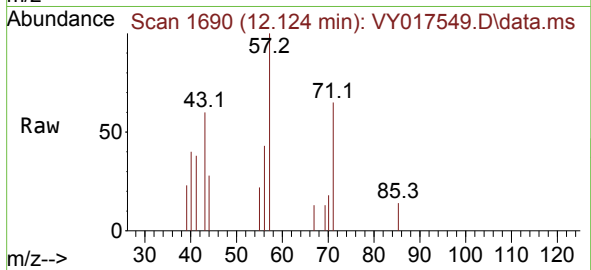
Acq: 01 Mar 2024 13:57

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-1000-1002



Tgt Ion: 43 Resp: 627

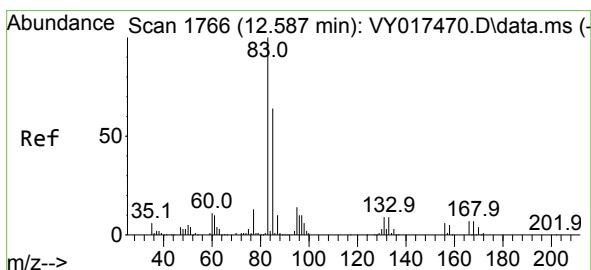
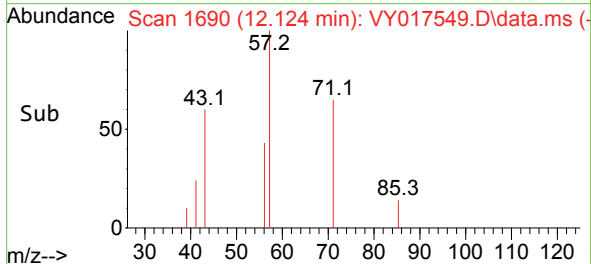
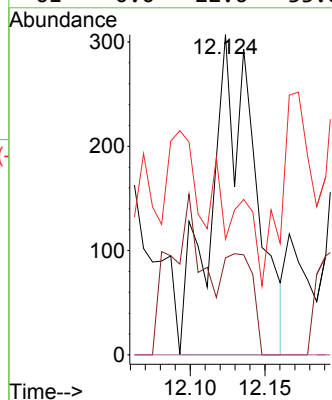
Ion Ratio Lower Upper

43 100

70 21.2 41.4 62.2#

55 0.0 23.3 34.9#

61 0.0 22.6 33.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.114 ug/l

RT: 12.544 min Scan# 1759

Delta R.T. -0.042 min

Lab File: VY017549.D

Acq: 01 Mar 2024 13:57

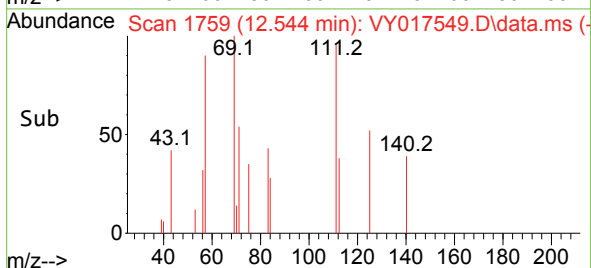
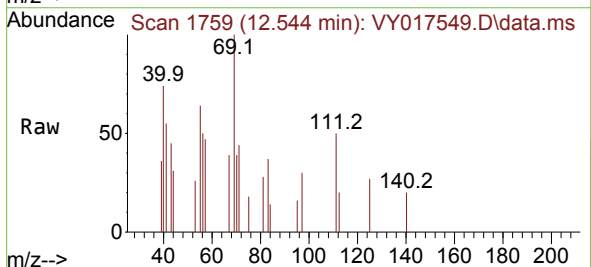
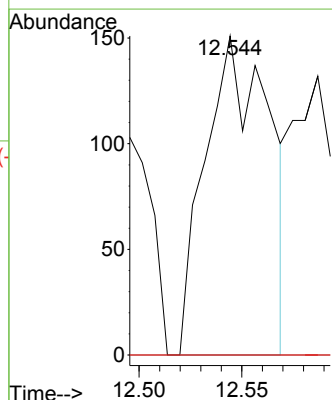
Tgt Ion: 83 Resp: 327

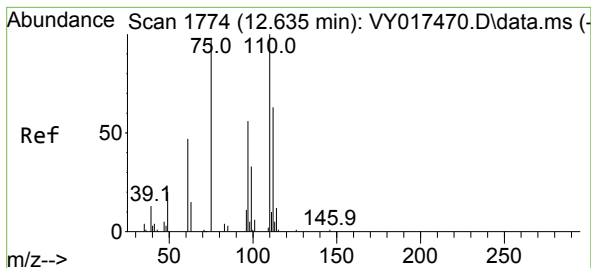
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 67.407 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017549.D

Acq: 01 Mar 2024 13:57

Instrument :

MSVOA_Y

ClientSampleId :

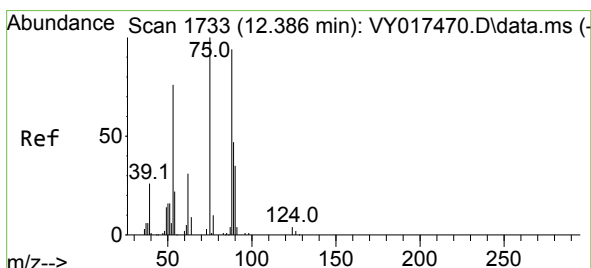
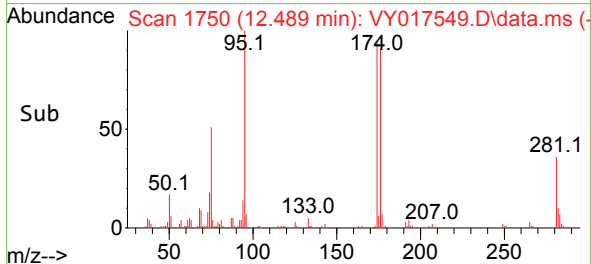
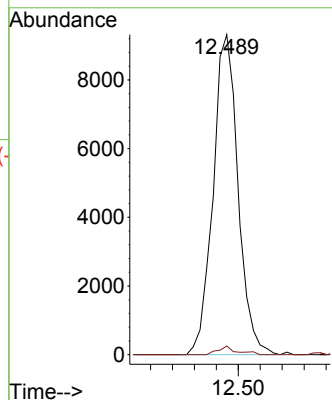
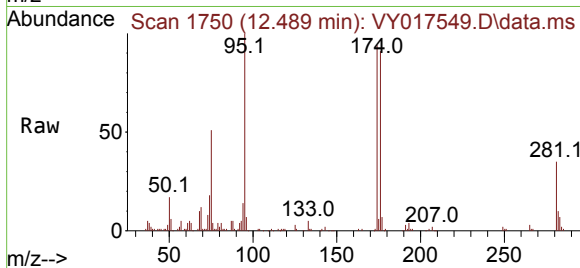
BP-VPB-195-GW-1000-1002

Tgt Ion: 75 Resp: 14739

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 154.885 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017549.D

Acq: 01 Mar 2024 13:57

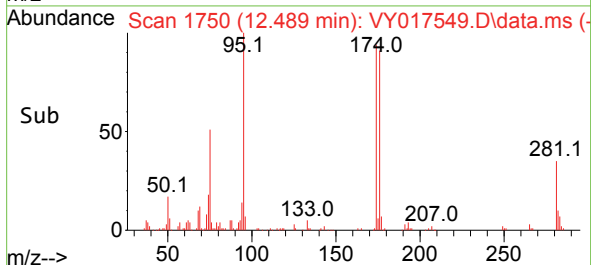
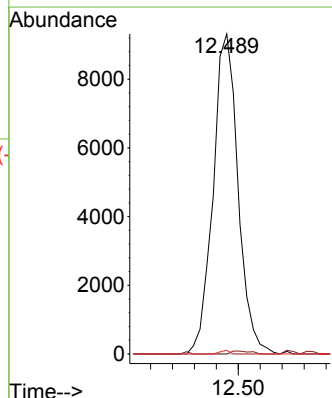
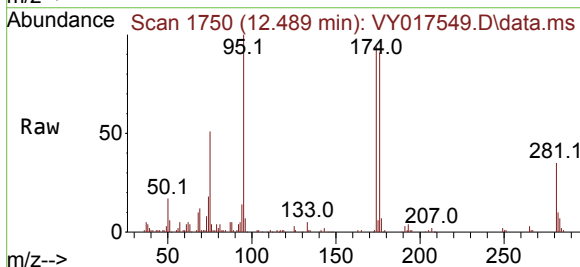
Tgt Ion: 75 Resp: 14739

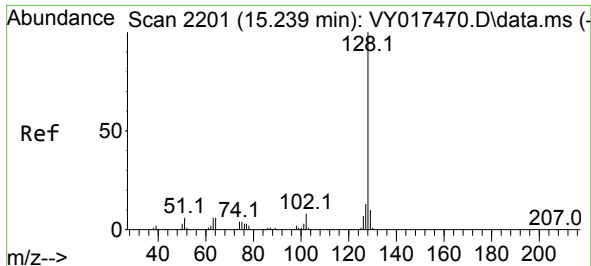
Ion Ratio Lower Upper

75 100

53 0.7 66.8 100.2#

89 0.4 35.8 53.6#

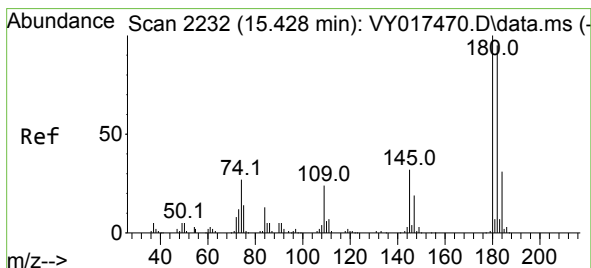
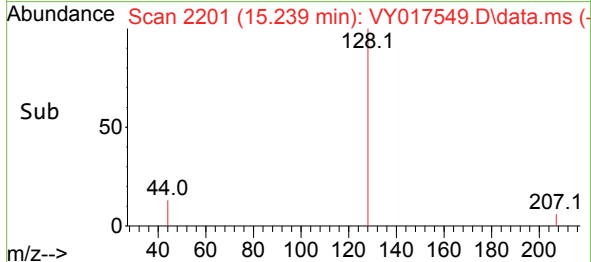
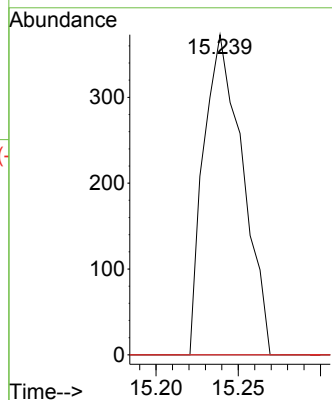
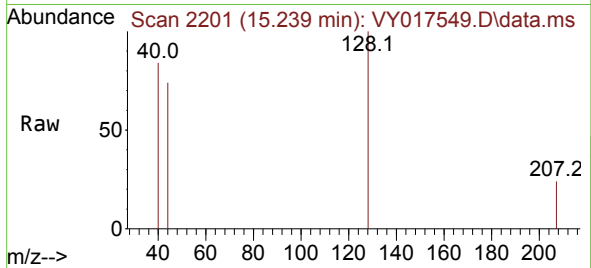




#95
Naphthalene
Concen: 4.697 ug/l
RT: 15.239 min Scan# 211
Delta R.T. -0.000 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-1000-1002

Tgt Ion:128 Resp: 611
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.319 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY017549.D
Acq: 01 Mar 2024 13:57

Tgt Ion:180 Resp: 420
Ion Ratio Lower Upper
180 100
182 62.4 47.6 142.9
145 15.7 15.4 46.1

