

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071924\
 Data File : VY018881.D
 Acq On : 19 Jul 2024 14:52
 Operator : SY/MD
 Sample : P3307-07
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-189-GW-938-940

Quant Time: Jul 19 23:05:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	70660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	120735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	114849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48255	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	38788	55.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.580%
35) Dibromofluoromethane	7.710	113	37745	49.915	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.820%
50) Toluene-d8	10.179	98	139647	48.744	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.477	95	47303	48.349	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.700%

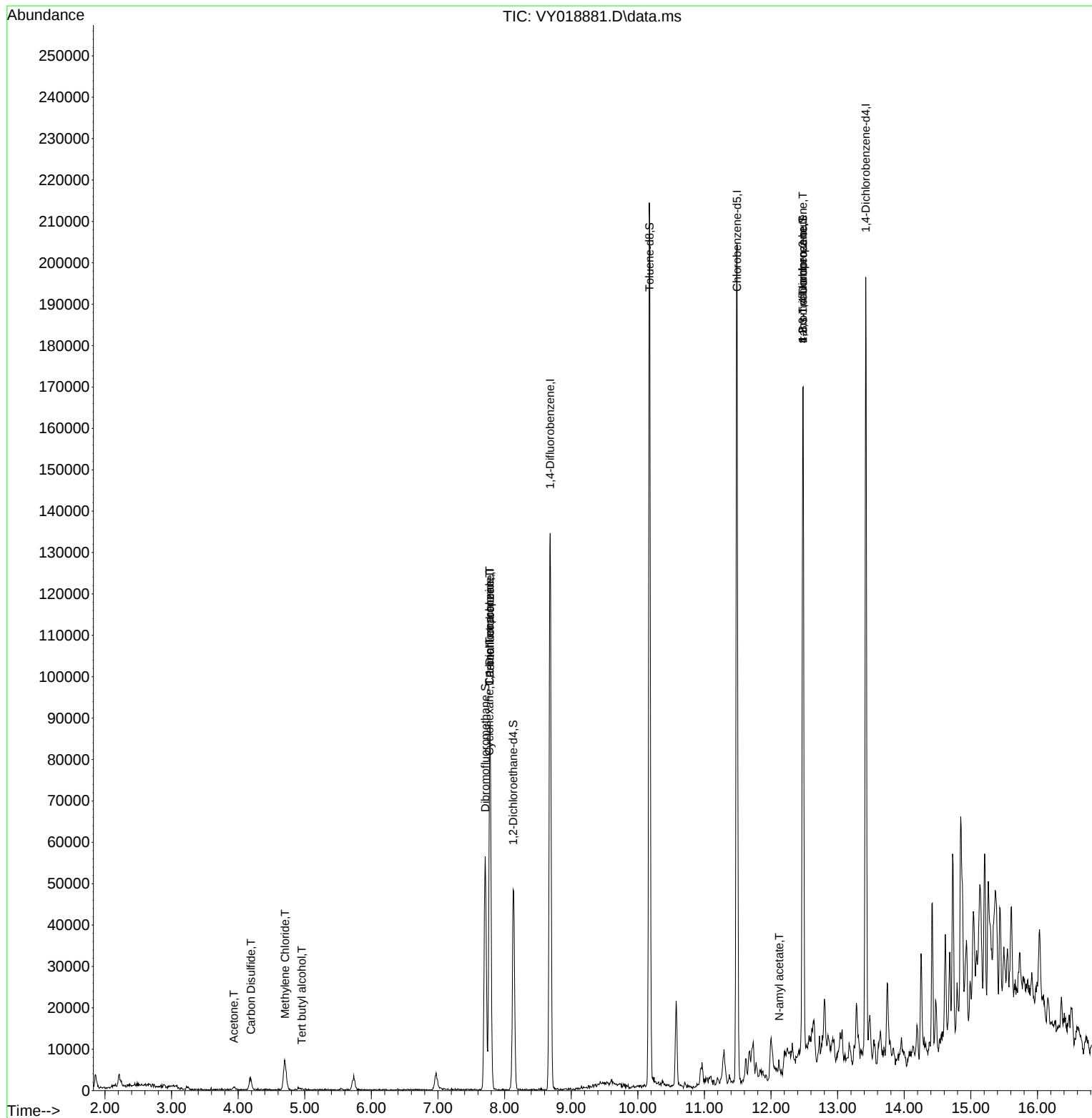
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.954	59	176	2.499	ug/l #	88
16) Acetone	3.936	43	1313	10.243	ug/l #	66
17) Carbon Disulfide	4.192	76	4718	2.468	ug/l	96
20) Methylene Chloride	4.704	84	5625	3.091	ug/l	89
31) Cyclohexane	7.771	56	1578	1.477	ug/l #	57
36) 1,1-Dichloropropene	7.777	75	5429	5.202	ug/l #	52
38) Carbon Tetrachloride	7.777	117	7152	5.690	ug/l #	15
74) N-amyl acetate	12.123	43	752	1.041	ug/l #	69
76) 1,2,3-Trichloropropane	12.477	75	26038	68.894	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	26038	154.189	ug/l #	16

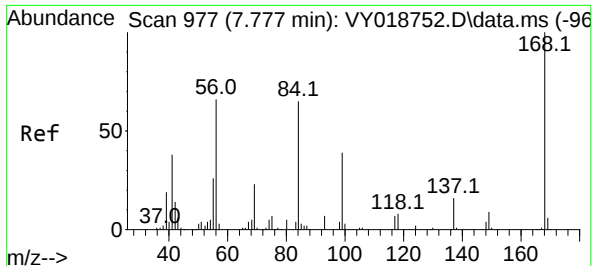
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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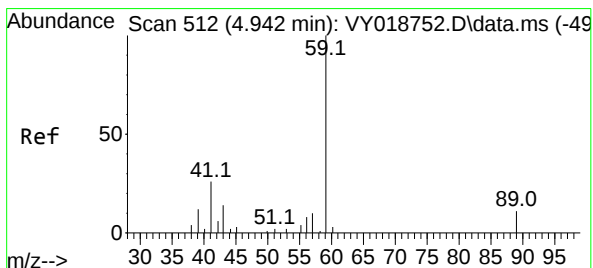
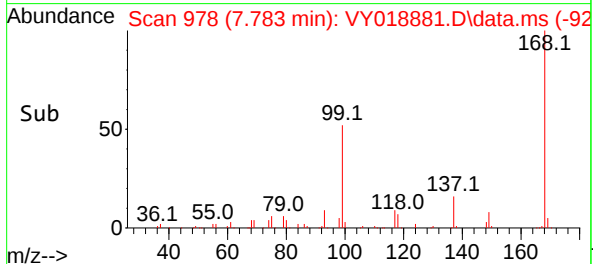
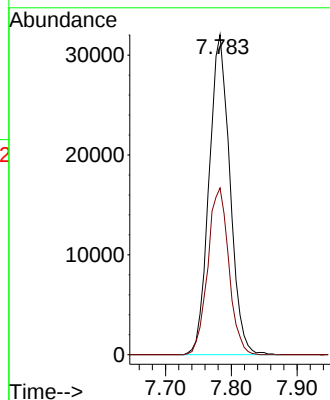
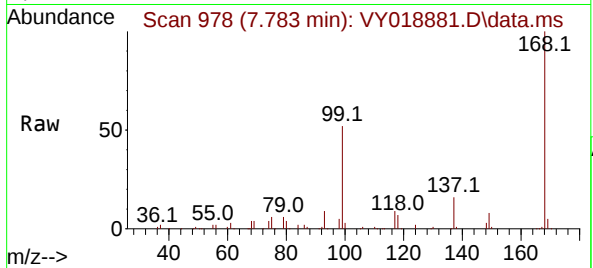




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

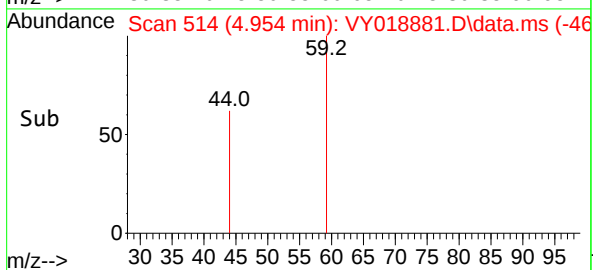
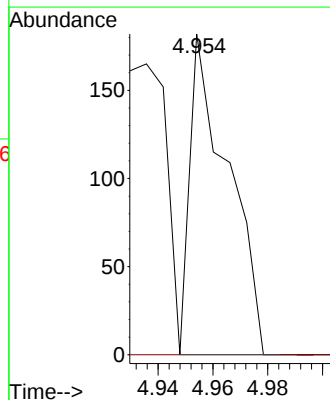
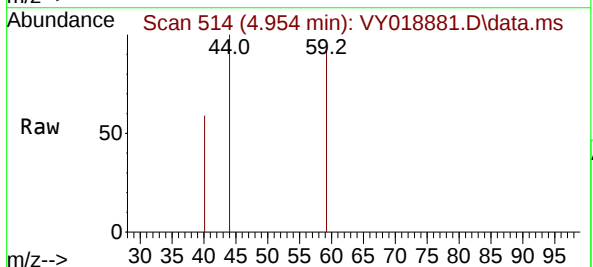
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-189-GW-938-940

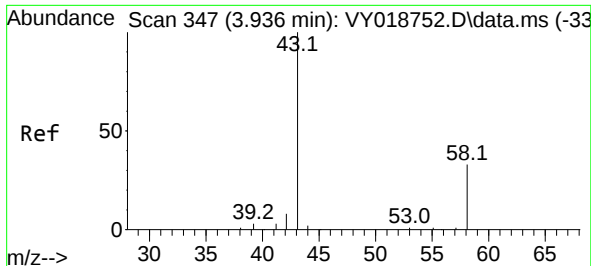
Tgt Ion:168 Resp: 70660
Ion Ratio Lower Upper
168 100
99 52.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.499 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 10.243 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

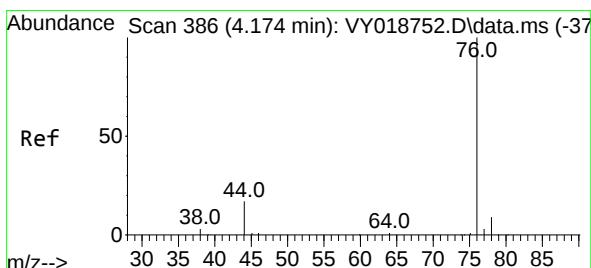
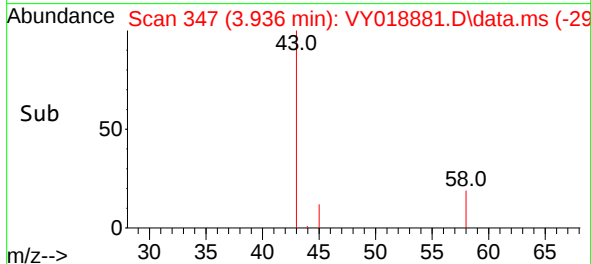
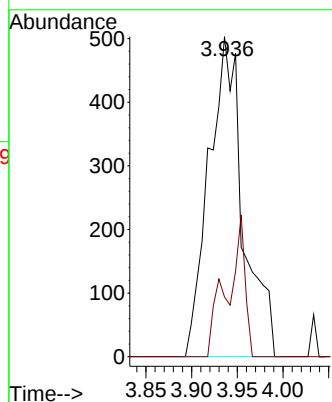
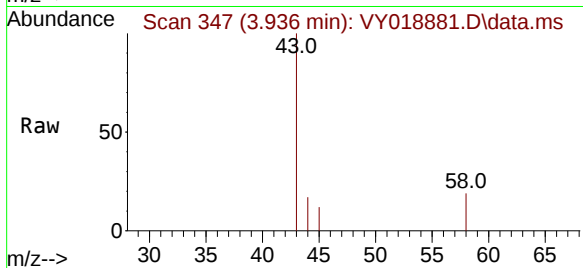
BP-VPB-189-GW-938-940

Tgt Ion: 43 Resp: 1313

Ion Ratio Lower Upper

43 100

58 18.7 31.7 47.5#



#17

Carbon Disulfide

Concen: 2.468 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.018 min

Lab File: VY018881.D

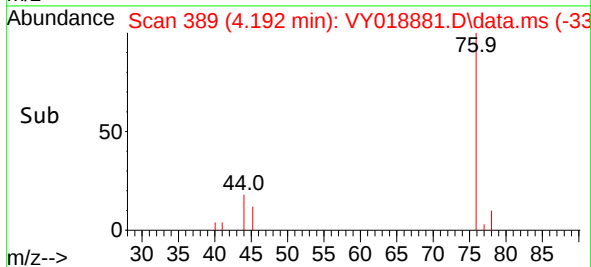
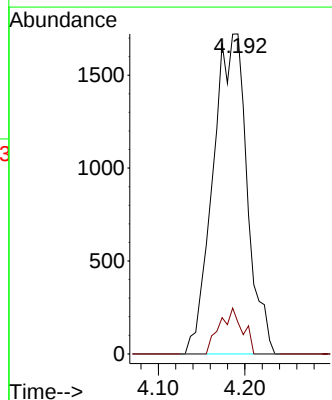
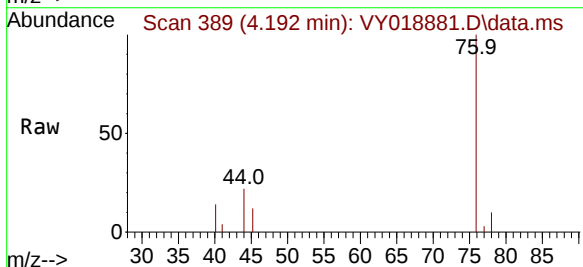
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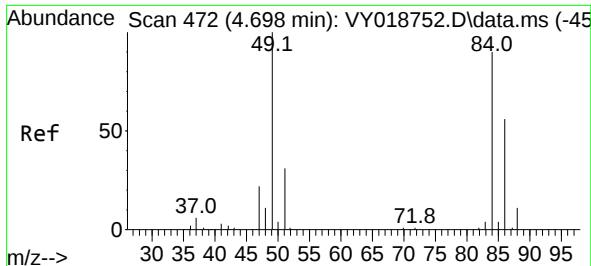
Tgt Ion: 76 Resp: 4718

Ion Ratio Lower Upper

76 100

78 9.8 6.8 10.2

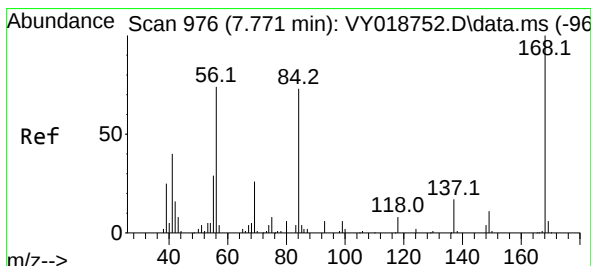
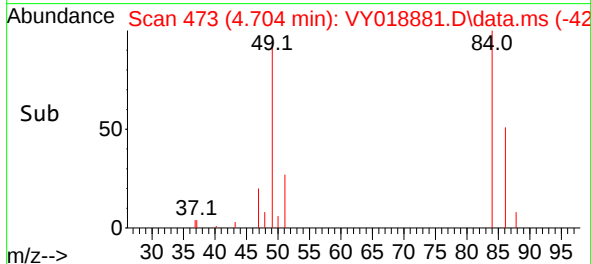
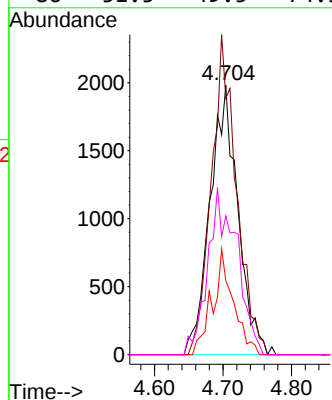
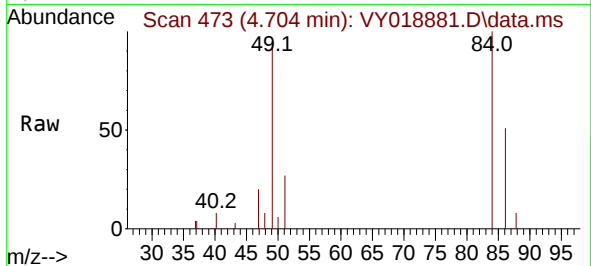




#20
Methylene Chloride
Concen: 3.091 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

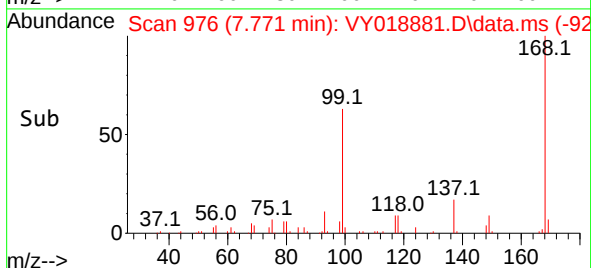
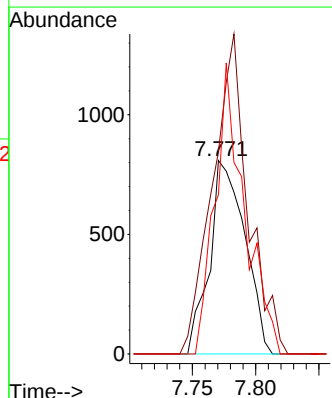
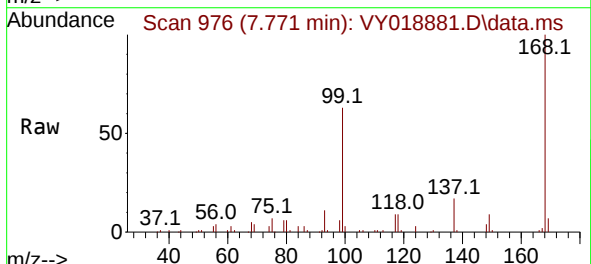
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-189-GW-938-940

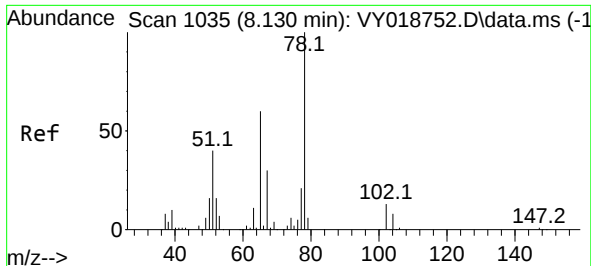
Tgt Ion: 84	Resp: 5625
Ion Ratio	Lower Upper
84 100	
49 95.2	84.4 126.6
51 27.4	26.0 39.0
86 51.5	49.5 74.3



#31
Cyclohexane
Concen: 1.477 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.000 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Tgt Ion: 56	Resp: 1578		
Ion Ratio	Lower	Upper	
56	100		
69	104.6	28.7	43.1#
84	82.3	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 55.785 ug/l

RT: 8.130 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

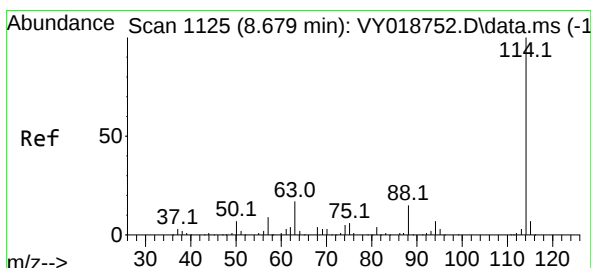
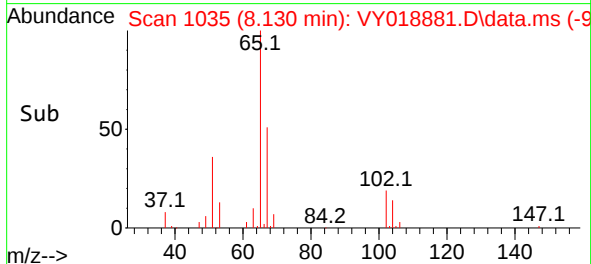
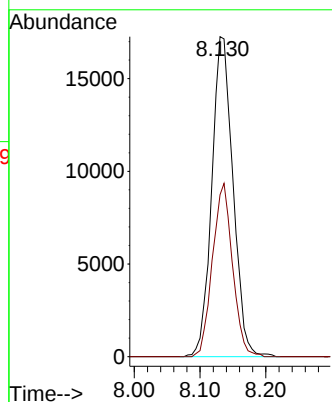
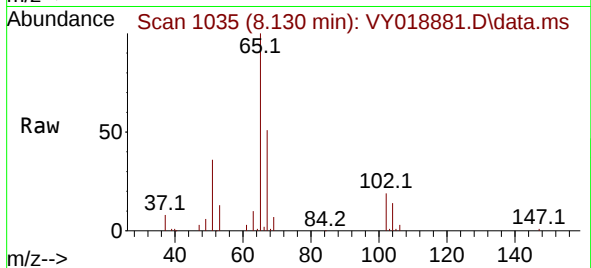
BP-VPB-189-GW-938-940

Tgt Ion: 65 Resp: 38788

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

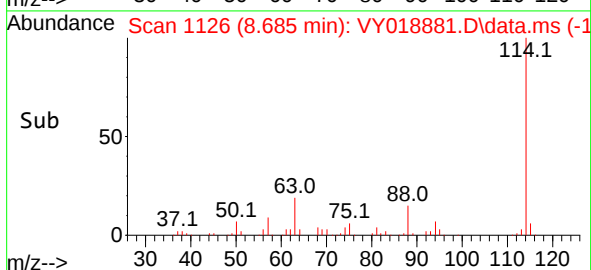
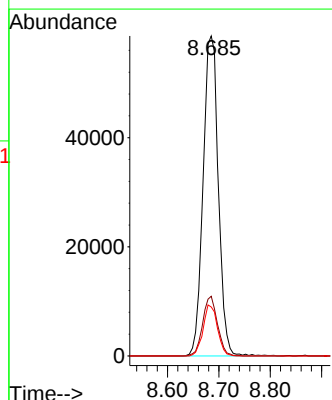
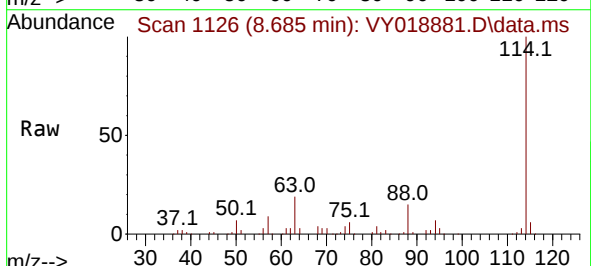
Tgt Ion: 114 Resp: 120735

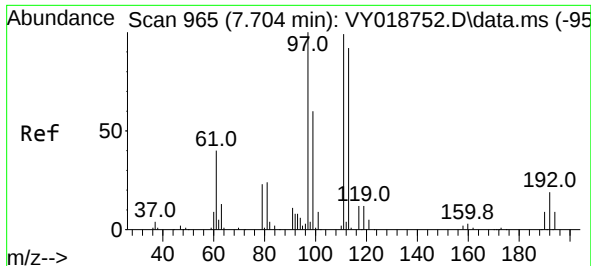
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

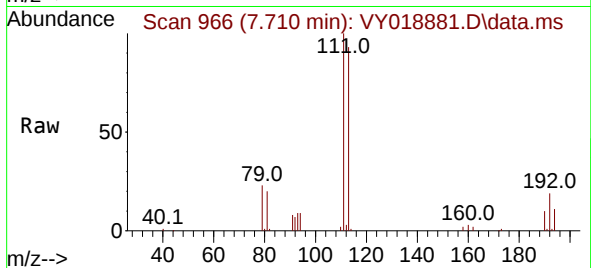
88 15.3 0.0 27.2



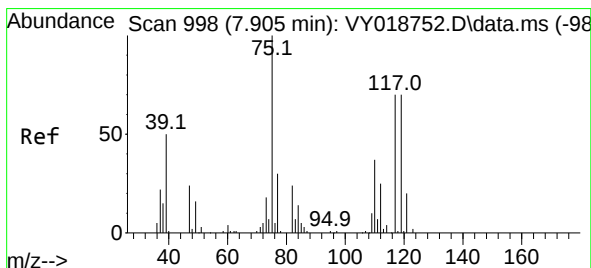
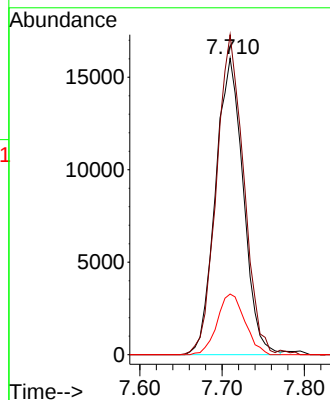
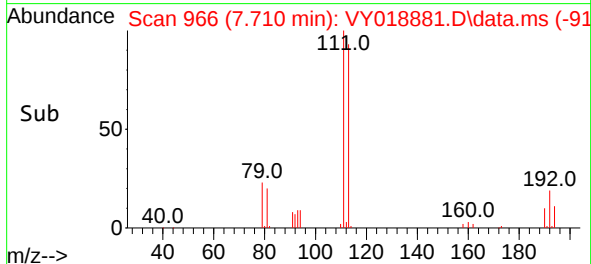


#35
Dibromofluoromethane
Concen: 49.915 ug/l
RT: 7.710 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-189-GW-938-940

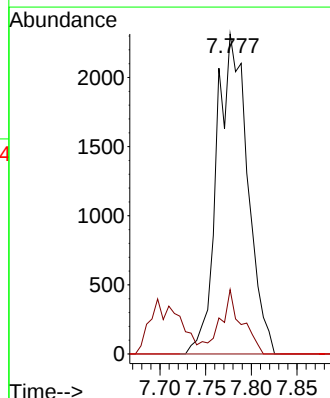
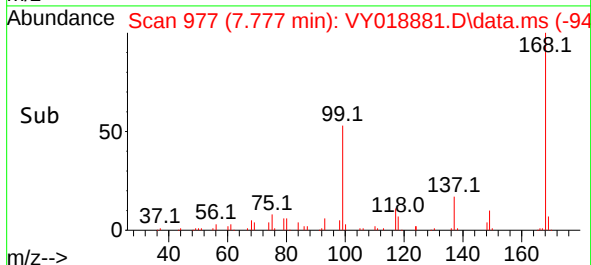
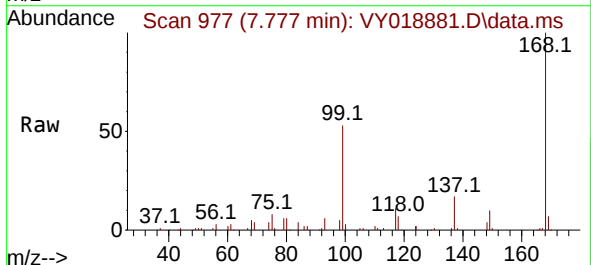


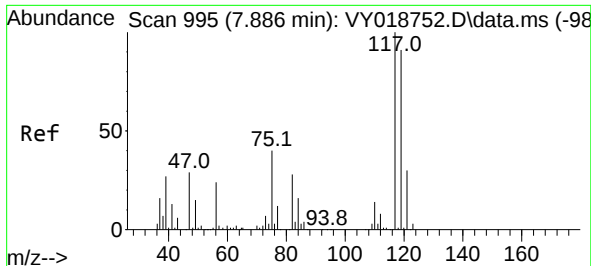
Tgt Ion:113 Resp: 37745
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.4
192 20.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Tgt Ion: 75 Resp: 5429
Ion Ratio Lower Upper
75 100
110 13.3 19.0 57.0#
77 0.0 25.3 37.9#

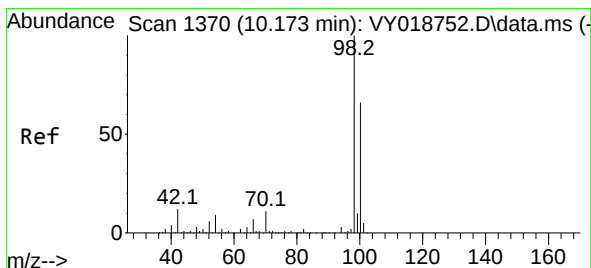
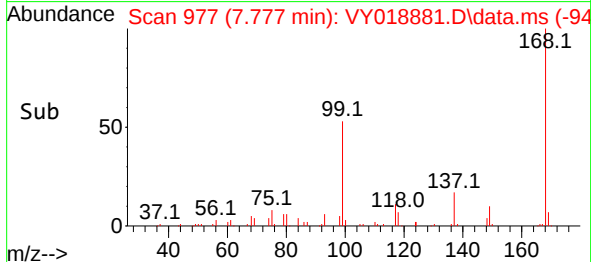
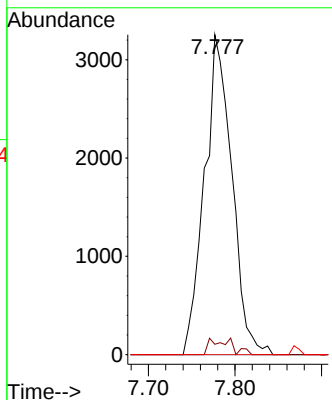
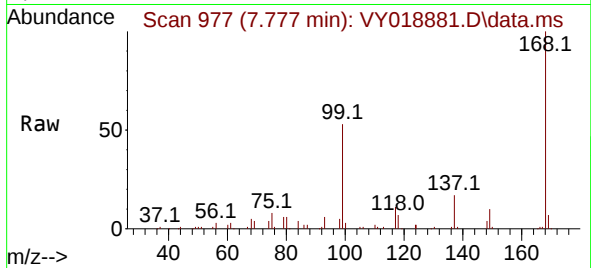




#38
Carbon Tetrachloride
Concen: 5.690 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

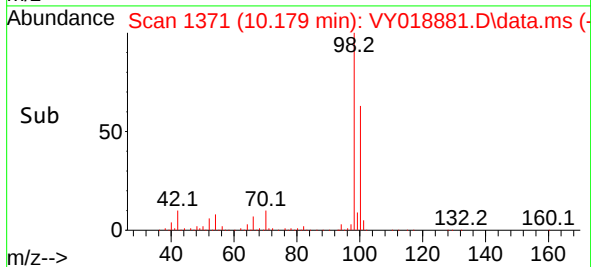
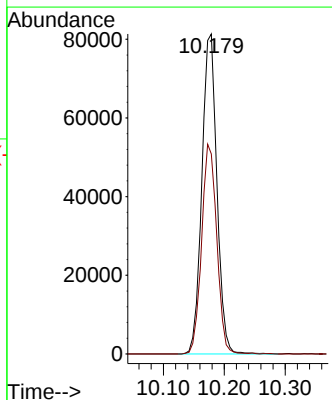
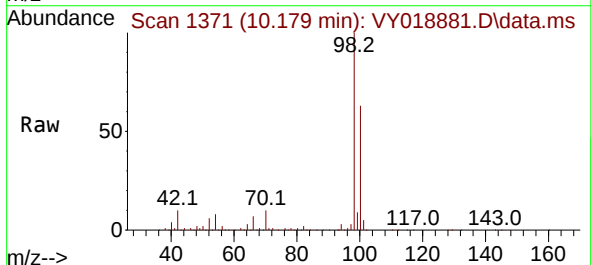
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ClientSampleId :
BP-VPB-189-GW-938-940

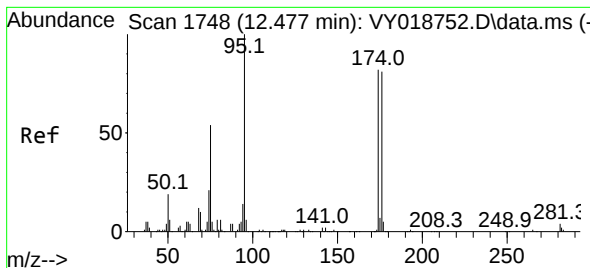
Tgt Ion:117 Resp: 7152
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.744 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Tgt Ion: 98 Resp: 139647
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 48.349 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-189-GW-938-940

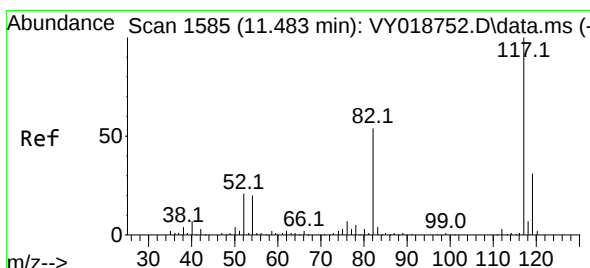
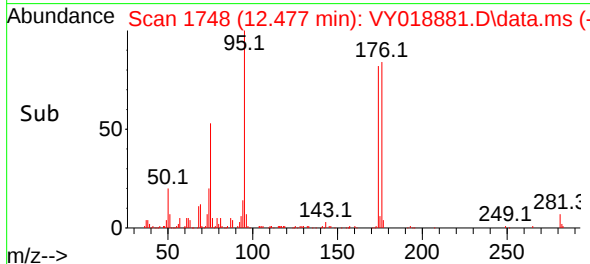
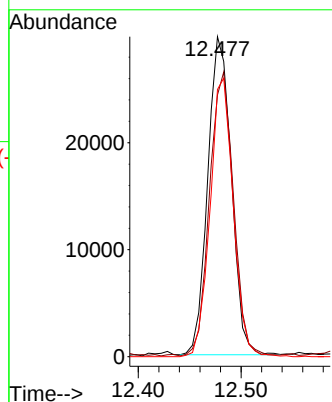
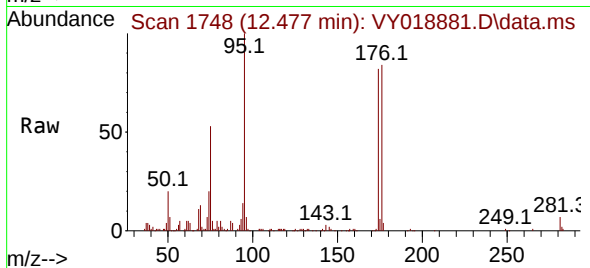
Tgt Ion: 95 Resp: 47303

Ion Ratio Lower Upper

95 100

174 90.9 0.0 175.6

176 86.3 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.006 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

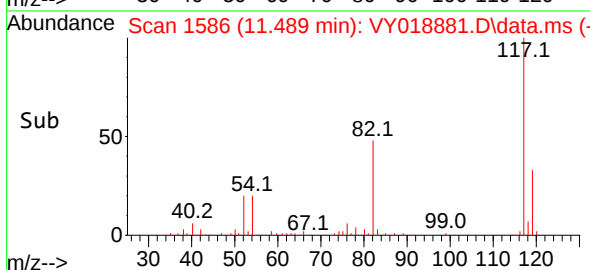
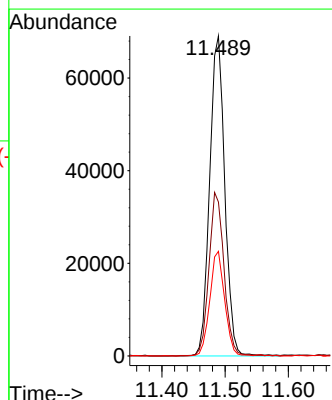
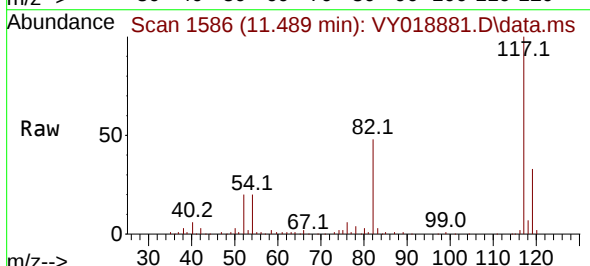
Tgt Ion: 117 Resp: 114849

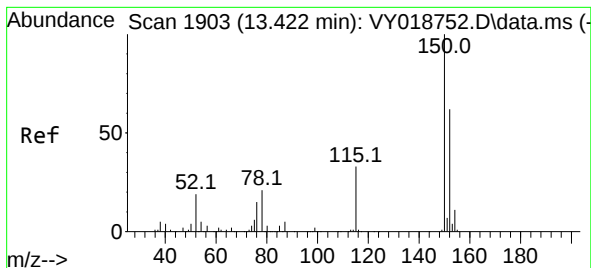
Ion Ratio Lower Upper

117 100

82 48.1 42.4 63.6

119 32.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-189-GW-938-940

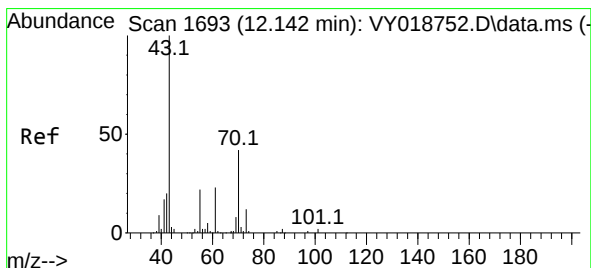
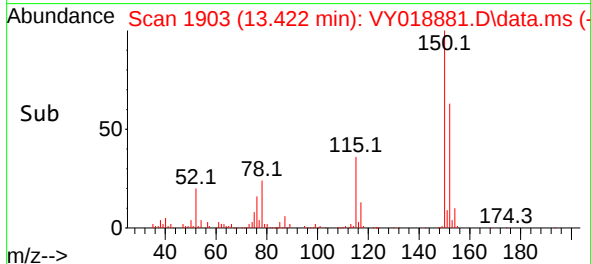
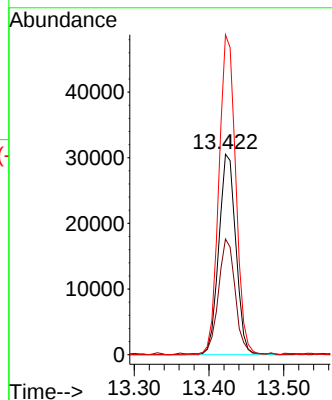
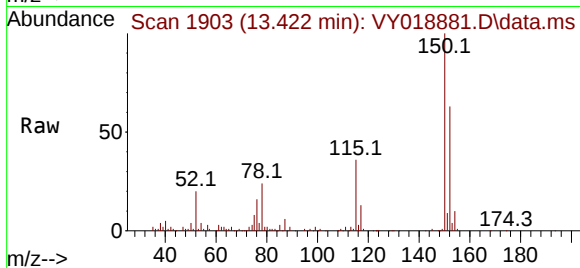
Tgt Ion:152 Resp: 48255

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 157.6 0.0 345.6



#74

N-ethyl acetate

Concen: 1.041 ug/l

RT: 12.123 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY018881.D

Acq: 19 Jul 2024 14:52

Tgt Ion: 43 Resp: 752

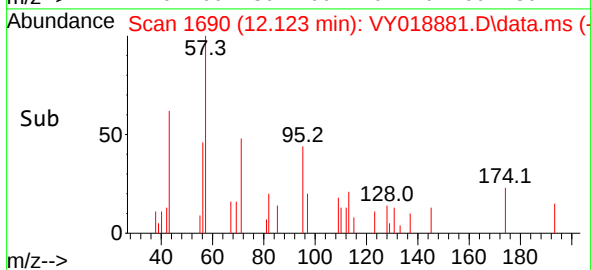
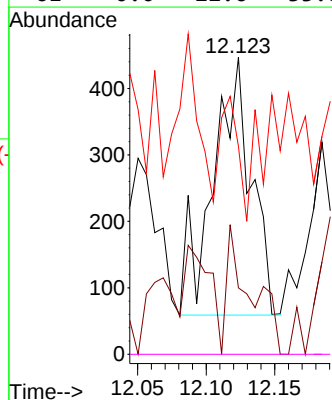
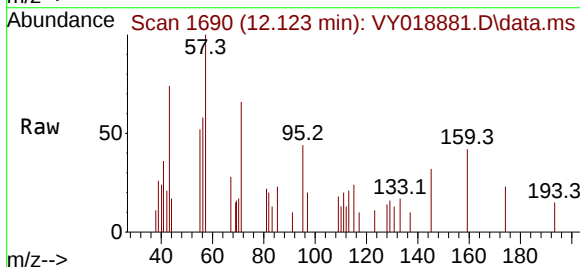
Ion Ratio Lower Upper

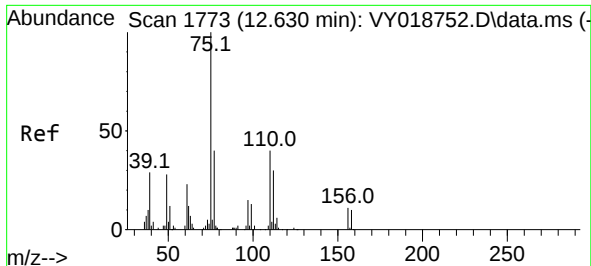
43 100

70 31.5 41.4 62.2#

55 22.2 23.3 34.9#

61 0.0 22.6 33.8#

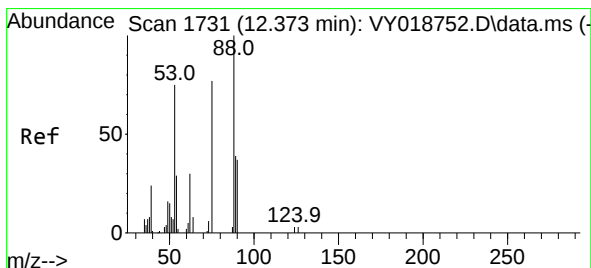
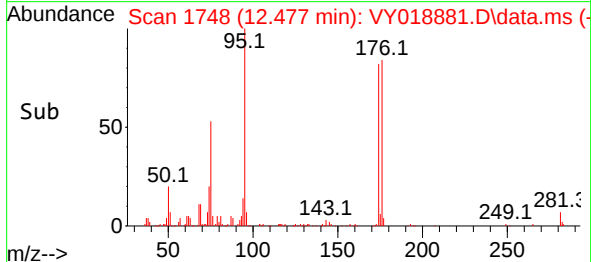
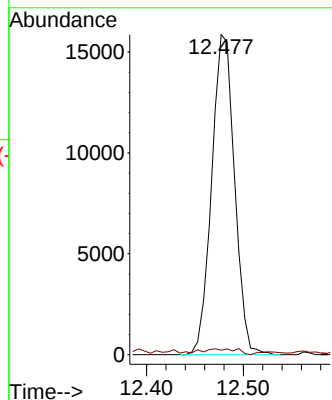
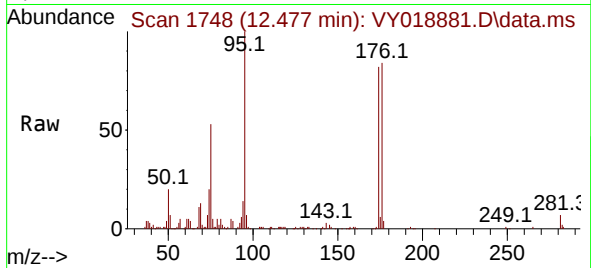




#76
1,2,3-Trichloropropane
Concen: 68.894 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-189-GW-938-940

Tgt Ion: 75 Resp: 26038
Ion Ratio Lower Upper
75 100
77 2.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.189 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018881.D
Acq: 19 Jul 2024 14:52

Tgt Ion: 75 Resp: 26038
Ion Ratio Lower Upper
75 100
53 0.5 66.8 100.2#
89 0.0 35.8 53.6#

