

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021224\Not Reviewed Data\
 Data File : VY017355.D
 Acq On : 12 Feb 2024 15:56
 Operator : SY/MD
 Sample : P1439-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 12 18:10:48 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)

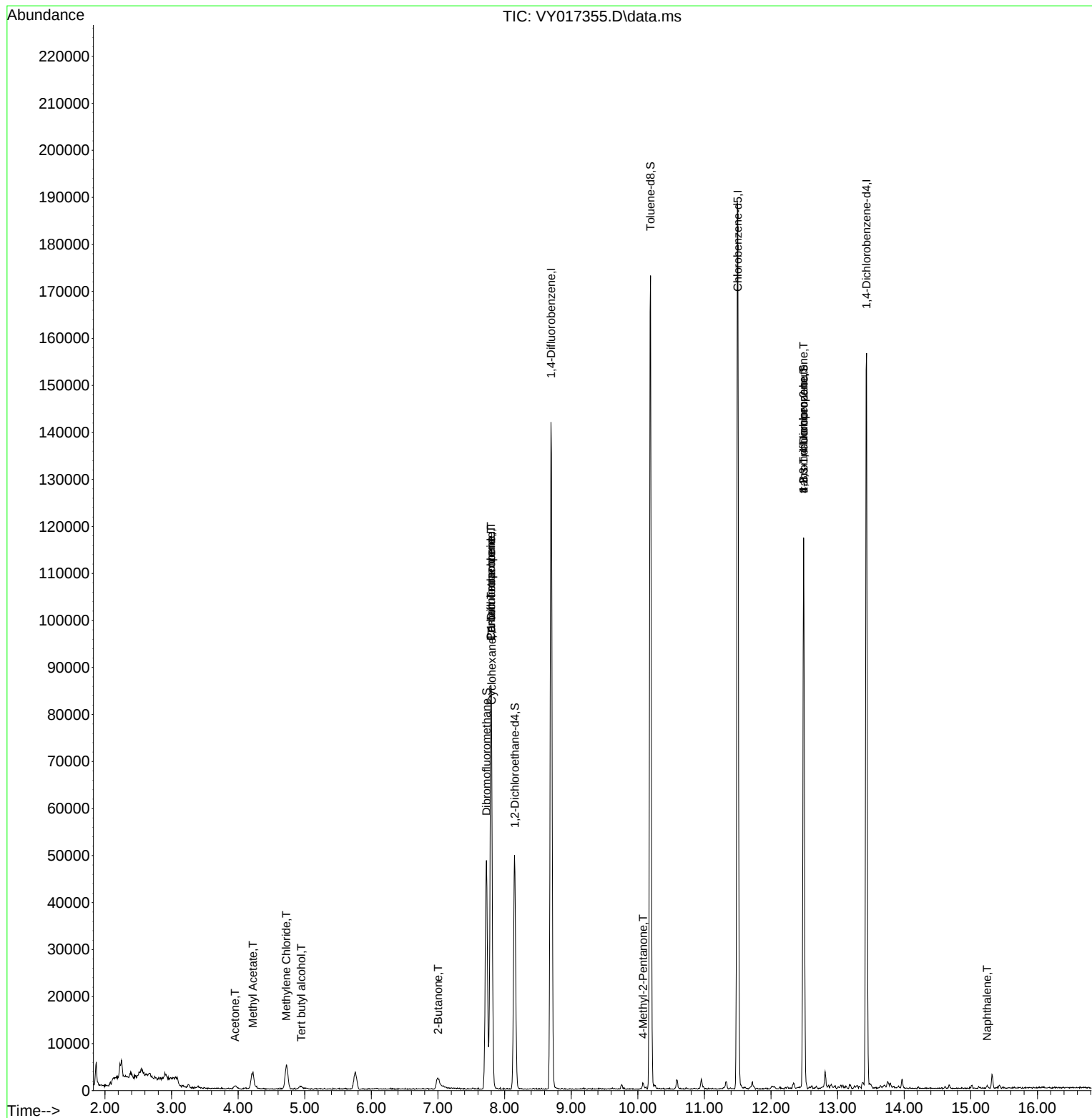
Internal Standards						
1) Pentafluorobenzene	7.795	168	65410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	121489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	102688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	38862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	36990	63.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.600%	
35) Dibromofluoromethane	7.728	113	34472	52.552	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.191	98	112936	47.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.580%	
62) 4-Bromofluorobenzene	12.489	95	34415	43.988	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	893	1.782	ug/l #	75
16) Acetone	3.954	43	1545	8.996	ug/l #	64
18) Methyl Acetate	4.222	43	1414	3.691	ug/l #	51
20) Methylene Chloride	4.722	84	3786	2.021	ug/l	94
25) 2-Butanone	7.002	43	416	1.822	ug/l #	48
31) Cyclohexane	7.807	56	1580	1.341	ug/l #	42
36) 1,1-Dichloropropene	7.795	75	5622	4.969	ug/l #	49
38) Carbon Tetrachloride	7.795	117	6954	6.419	ug/l #	16
51) 4-Methyl-2-Pentanone	10.081	43	1012	2.032	ug/l	88
76) 1,2,3-Trichloropropane	12.489	75	18457	51.457	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	18457	106.920	ug/l #	12
95) Naphthalene	15.245	128	724	4.080	ug/l #	81

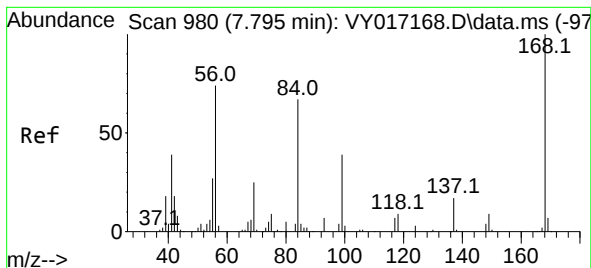
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY017355.D

Acq: 12 Feb 2024 15:56

Instrument :

MSVOA_Y

ClientSampleId :

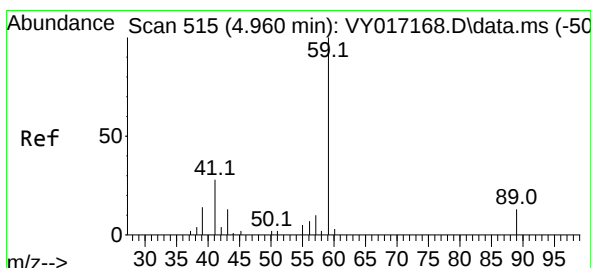
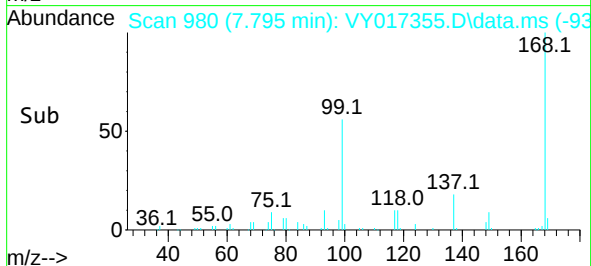
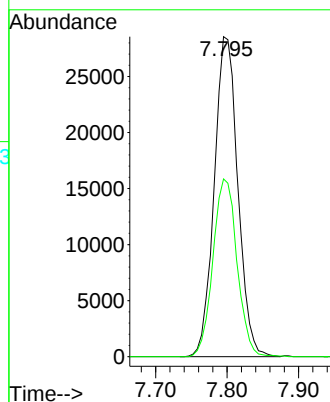
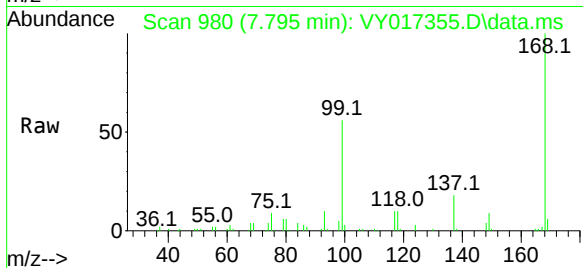
BP-VPB-195-GW-800-802

Tgt Ion:168 Resp: 65410

Ion Ratio Lower Upper

168 100

99 55.6 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.782 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.012 min

Lab File: VY017355.D

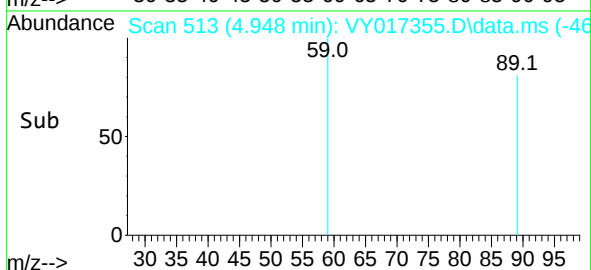
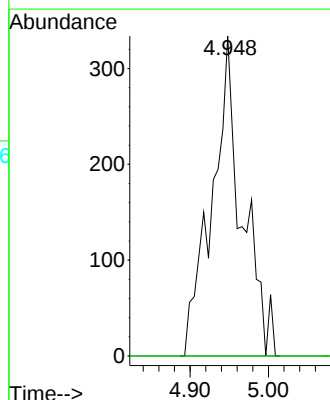
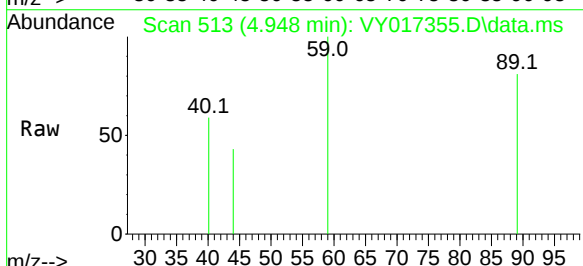
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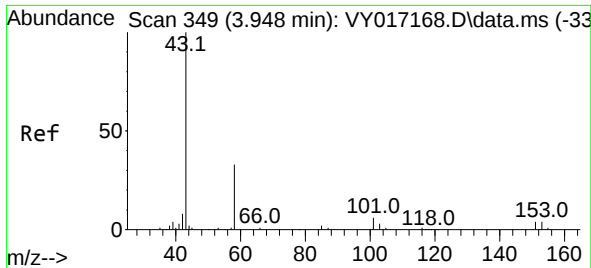
Tgt Ion: 59 Resp: 893

Ion Ratio Lower Upper

59 100

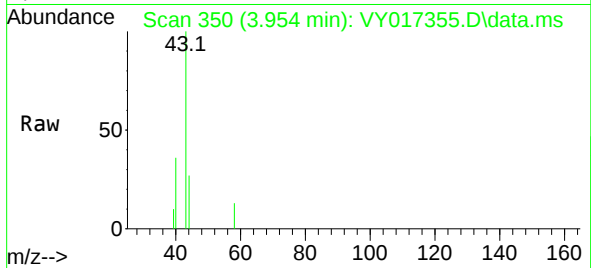
57 0.0 7.4 11.0#



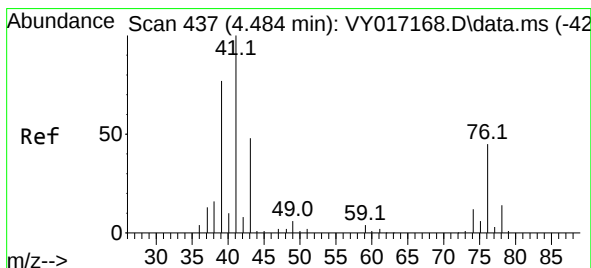
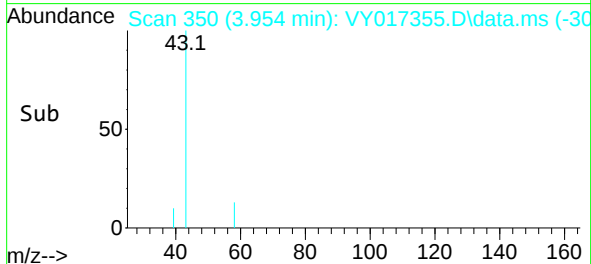
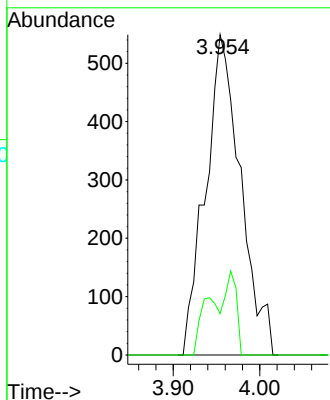


#16
Acetone
Concen: 8.996 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

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

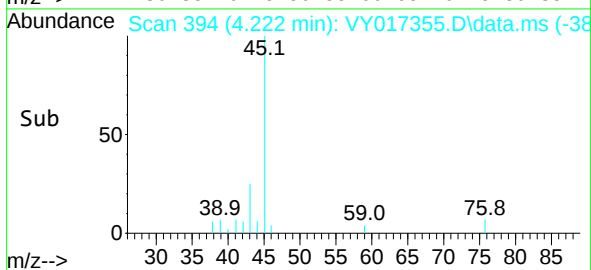
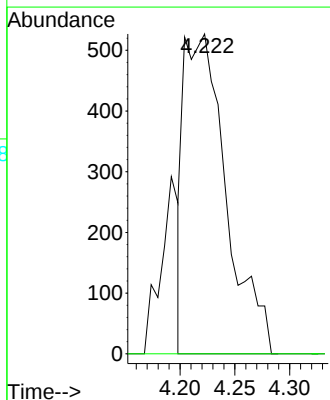
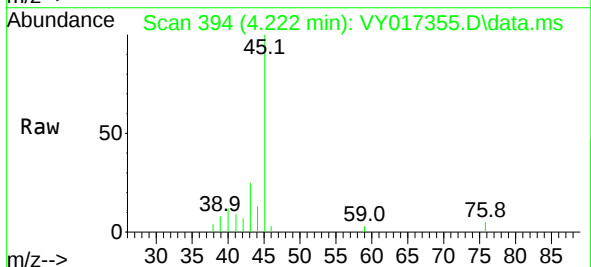


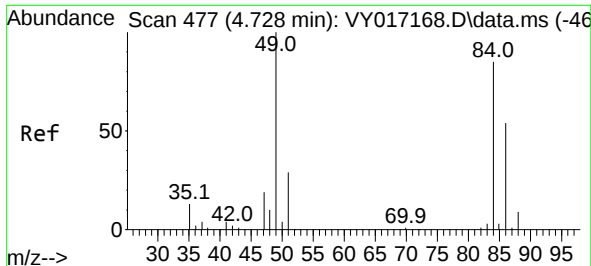
Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 12.9 26.6 39.8#



#18
Methyl Acetate
Concen: 3.691 ug/l
RT: 4.222 min Scan# 394
Delta R.T. -0.262 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#20

Methylene Chloride

Concen: 2.021 ug/l

RT: 4.722 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY017355.D

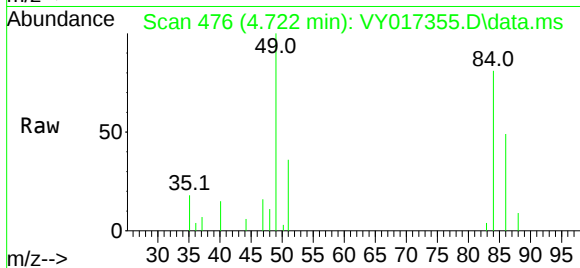
Acq: 12 Feb 2024 15:56

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-800-802



Tgt Ion: 84 Resp: 3786

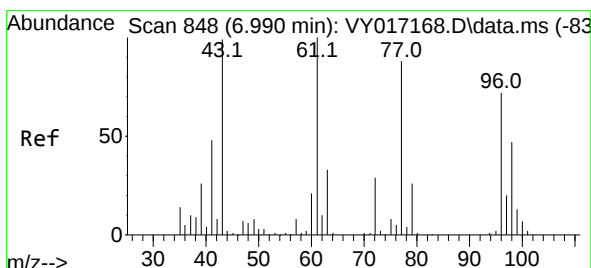
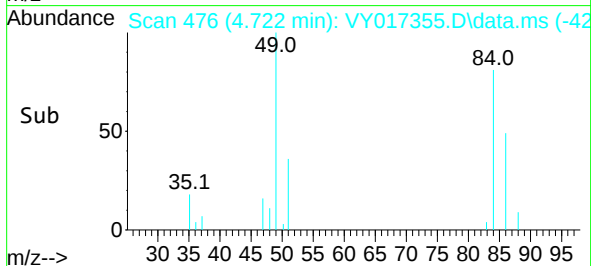
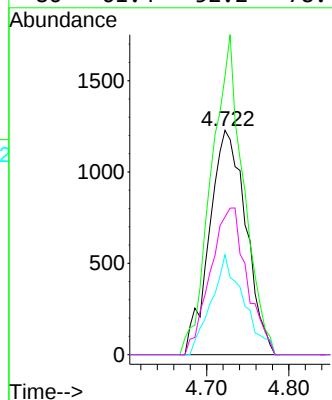
Ion Ratio Lower Upper

84 100

49 124.1 95.2 142.8

51 44.5 29.9 44.9

86 61.4 52.2 78.4



#25

2-Butanone

Concen: 1.822 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY017355.D

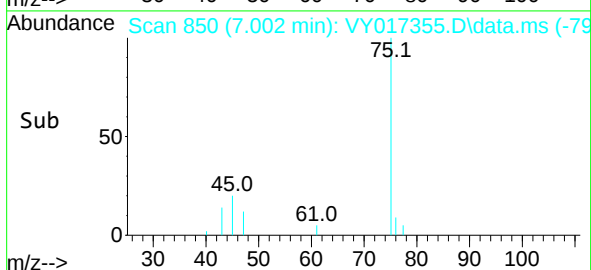
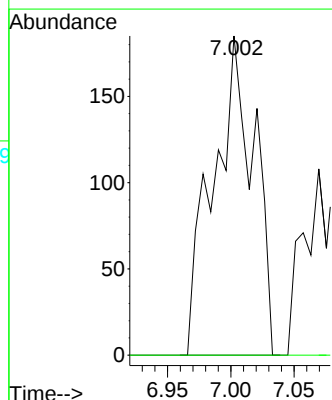
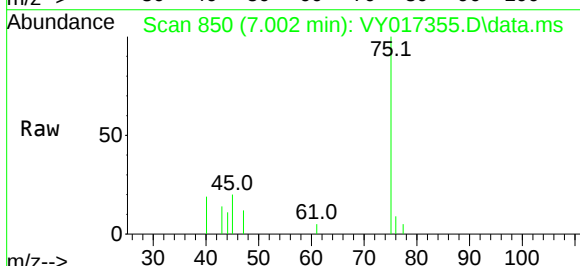
Acq: 12 Feb 2024 15:56

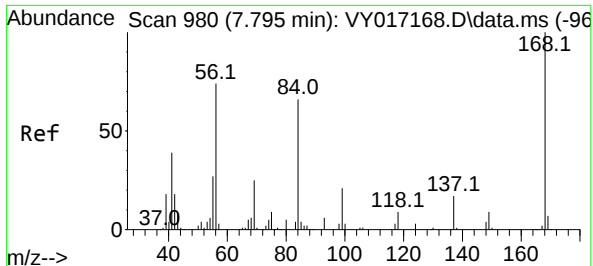
Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

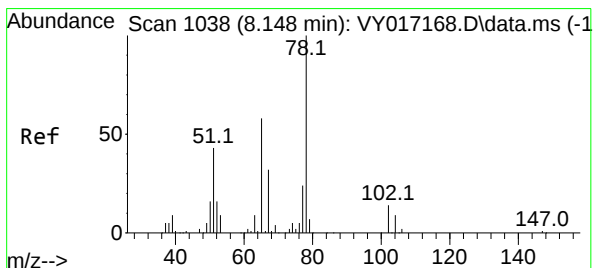
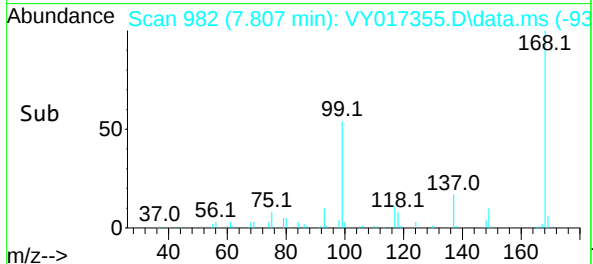
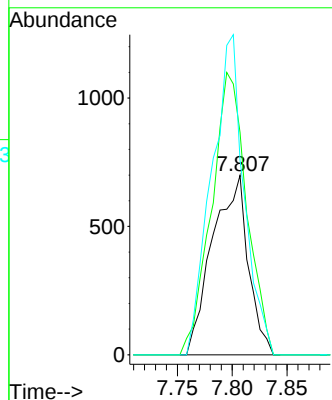
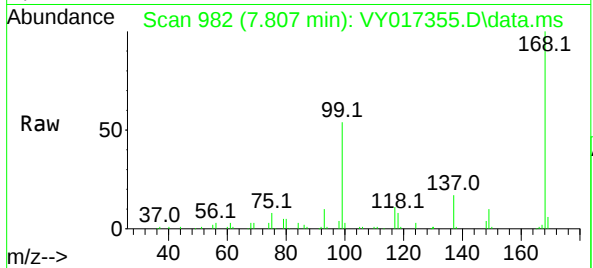




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

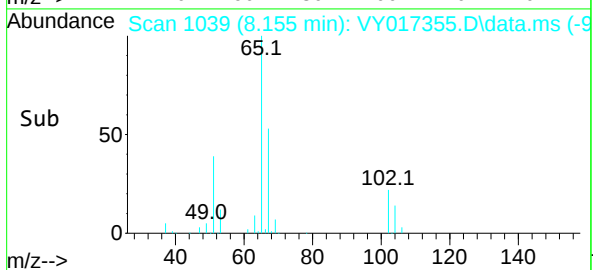
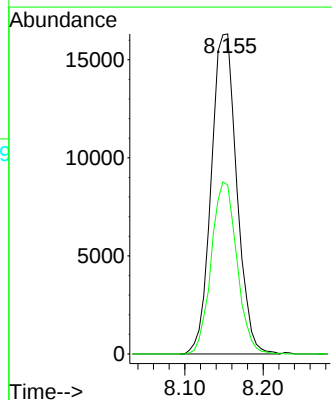
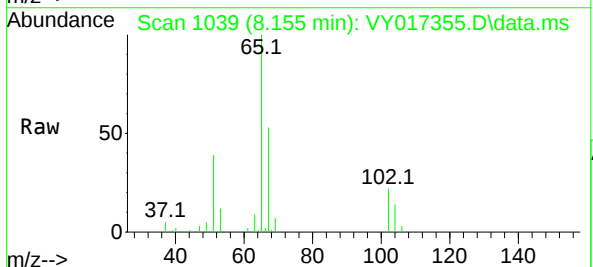
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802

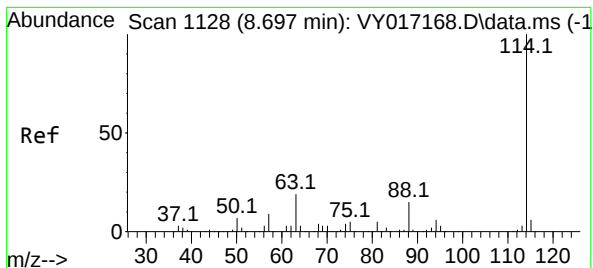
Tgt Ion: 56 Resp: 1580
Ion Ratio Lower Upper
56 100
69 123.9 27.0 40.6#
84 108.6 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 63.303 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

Tgt Ion: 65 Resp: 36990
Ion Ratio Lower Upper
65 100
67 53.8 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: VY017355.D

Acq: 12 Feb 2024 15:56

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-800-802

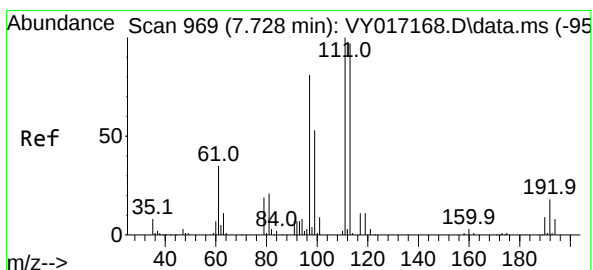
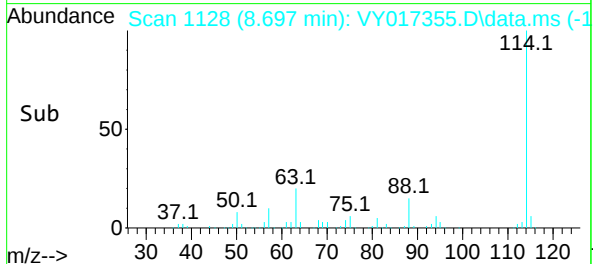
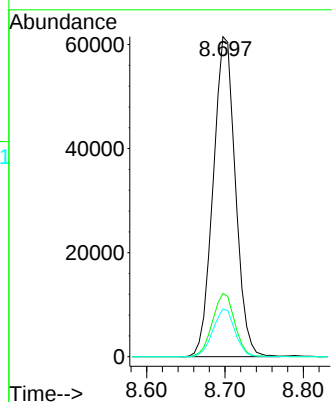
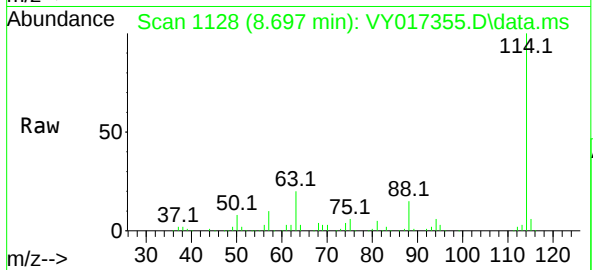
Tgt Ion:114 Resp: 121489

Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.552 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017355.D

Acq: 12 Feb 2024 15:56

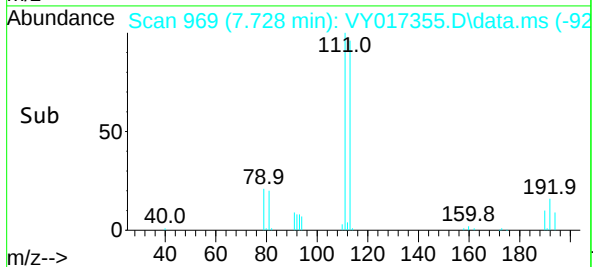
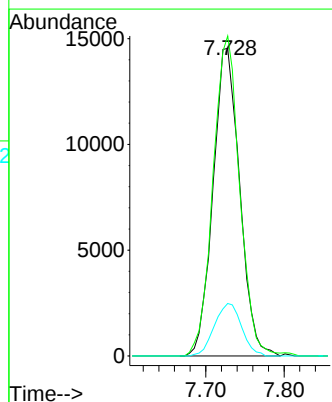
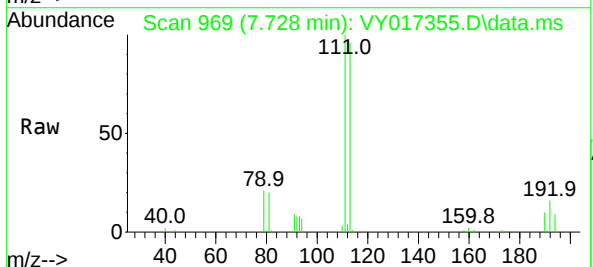
Tgt Ion:113 Resp: 34472

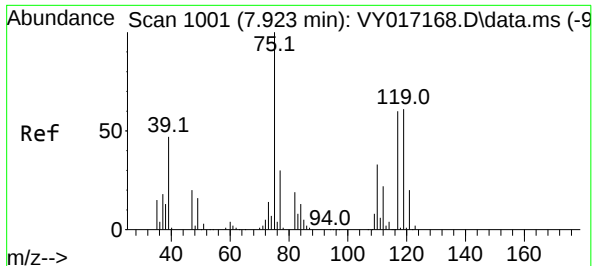
Ion Ratio Lower Upper

113 100

111 103.8 83.8 125.6

192 17.4 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.969 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY017355.D

Acq: 12 Feb 2024 15:56

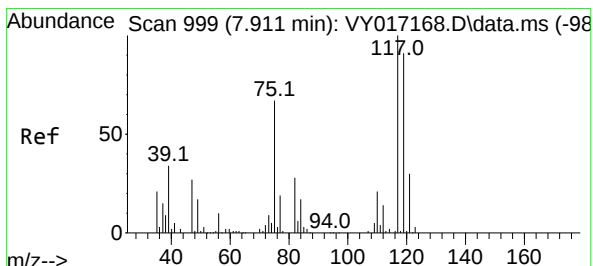
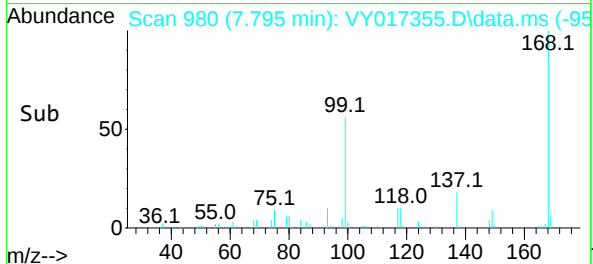
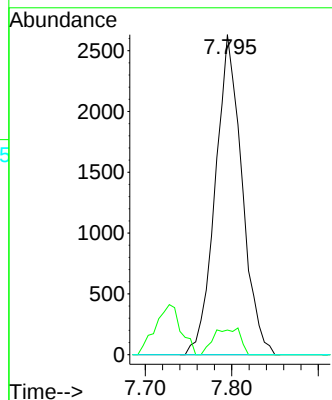
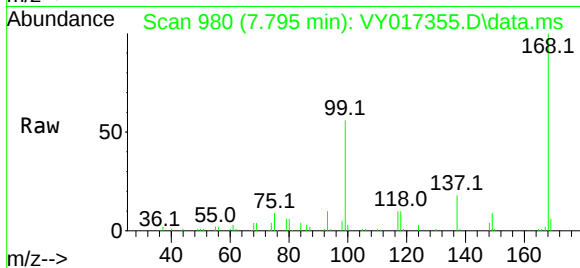
Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-800-802

Tgt Ion: 75	Resp: 5622
Ion Ratio	Lower Upper
75 100	
110 8.2	17.4 52.3#
77 0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.419 ug/l

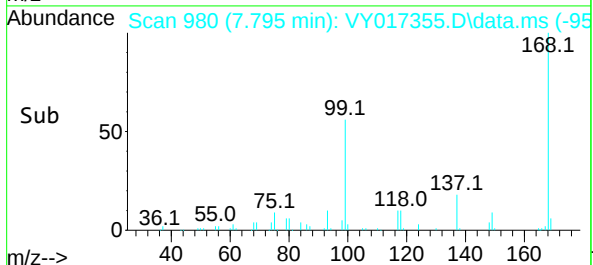
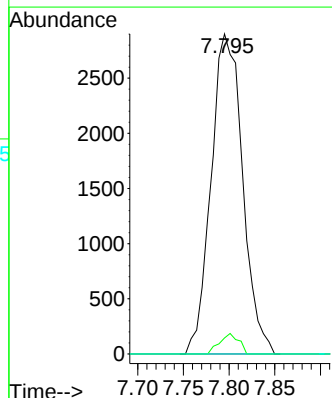
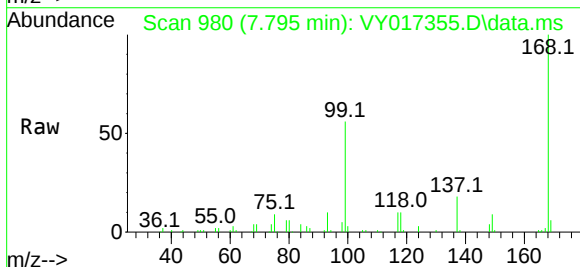
RT: 7.795 min Scan# 980

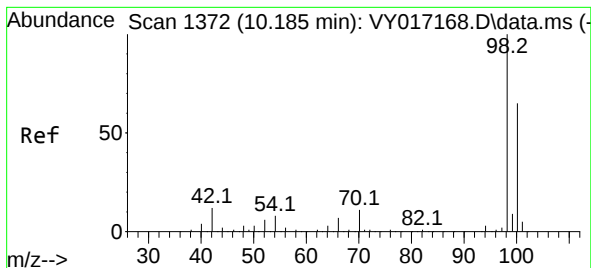
Delta R.T. -0.116 min

Lab File: VY017355.D

Acq: 12 Feb 2024 15:56

Tgt Ion: 117	Resp: 6954
Ion Ratio	Lower Upper
117 100	
119 5.0	76.0 114.0#
121 0.0	24.2 36.2#





#50

Toluene-d8

Concen: 47.287 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017355.D

Acq: 12 Feb 2024 15:56

Instrument :

MSVOA_Y

ClientSampleId :

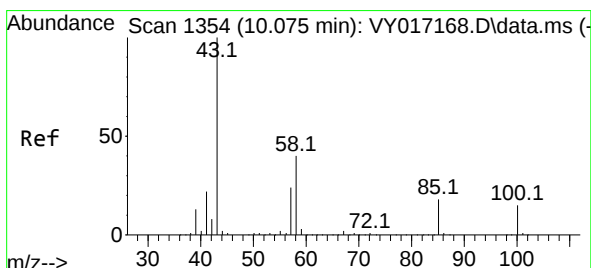
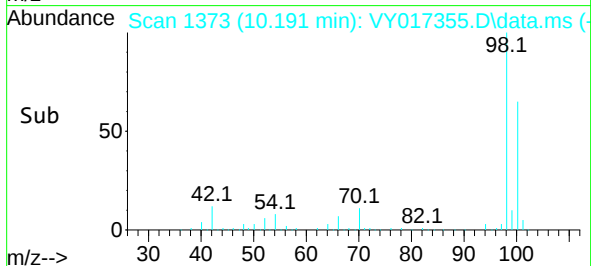
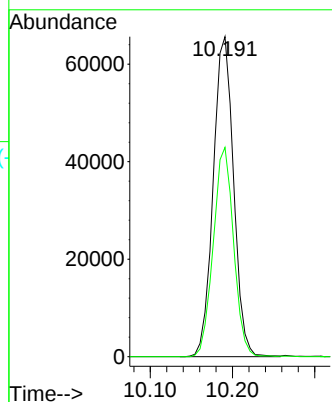
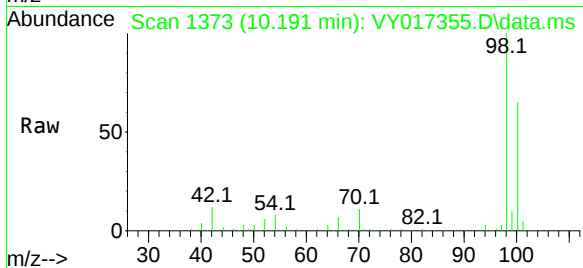
BP-VPB-195-GW-800-802

Tgt Ion: 98 Resp: 112936

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 2.032 ug/l

RT: 10.081 min Scan# 1355

Delta R.T. 0.006 min

Lab File: VY017355.D

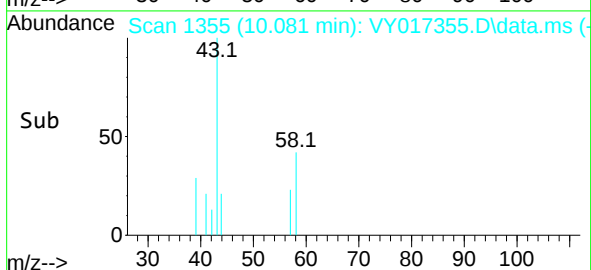
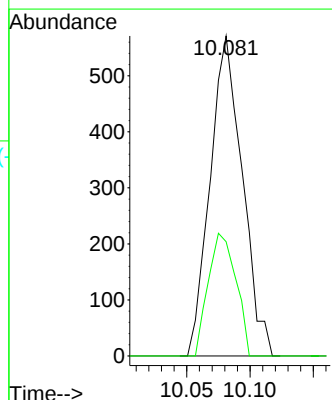
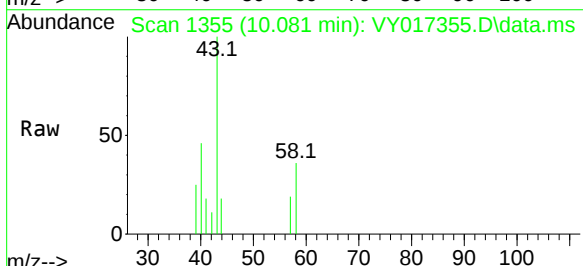
Acq: 12 Feb 2024 15:56

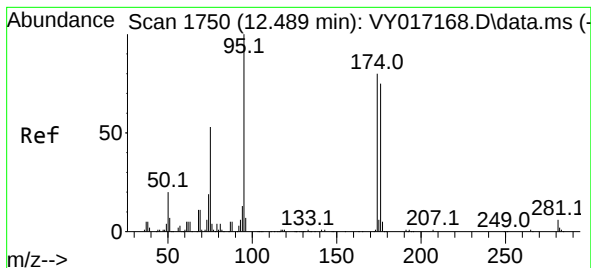
Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

43 100

58 32.9 32.2 48.2

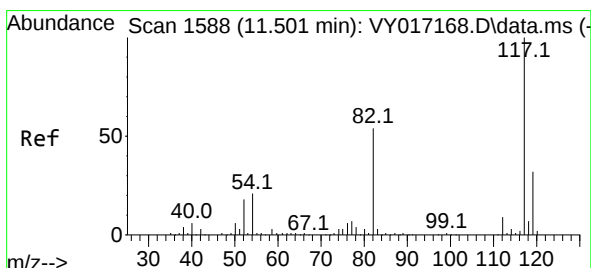
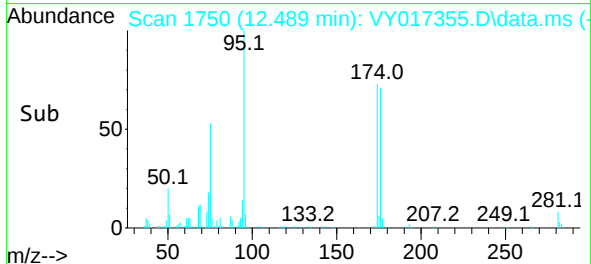
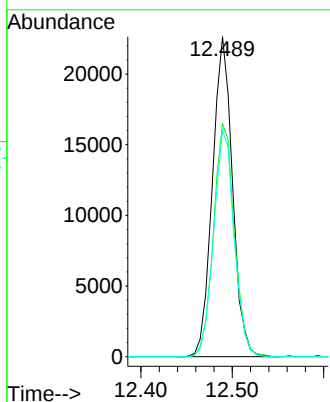
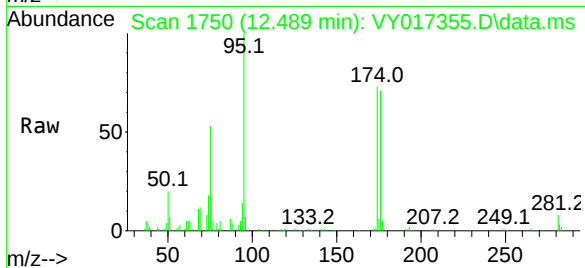




#62
4-Bromofluorobenzene
Concen: 43.988 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

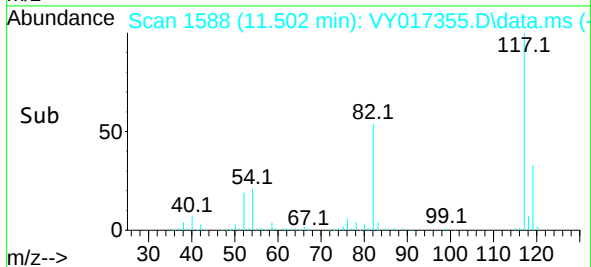
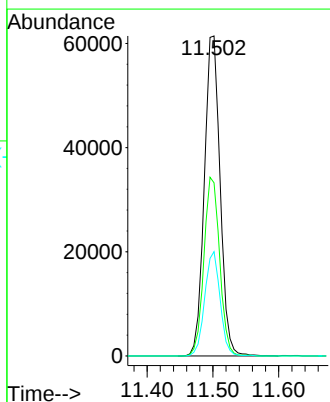
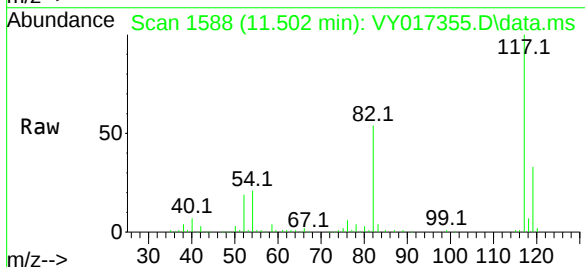
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-195-GW-800-802

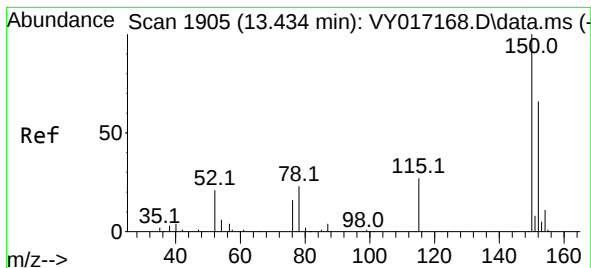
Tgt Ion:	95	Resp:	34415
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	160.0
176	72.7	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

Tgt Ion:	117	Resp:	102688
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	32.6	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: VY017355.D

Acq: 12 Feb 2024 15:56

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-195-GW-800-802

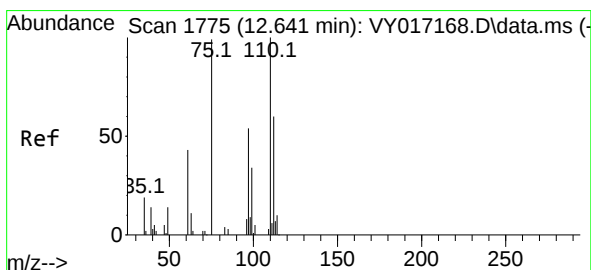
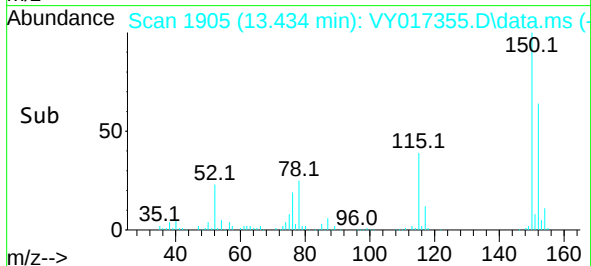
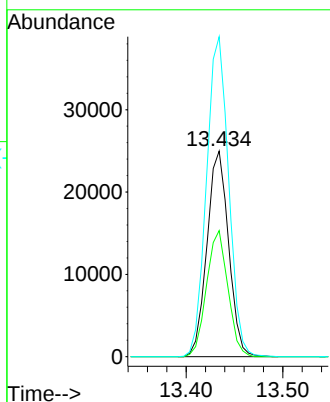
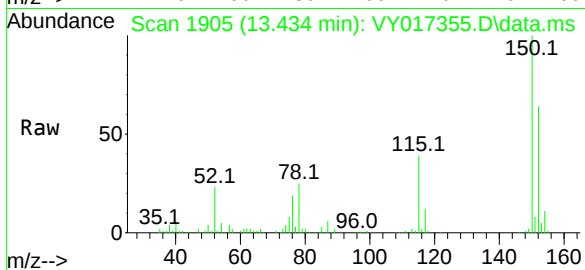
Tgt Ion:152 Resp: 38862

Ion Ratio Lower Upper

152 100

115 60.4 30.0 90.0

150 159.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 51.457 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017355.D

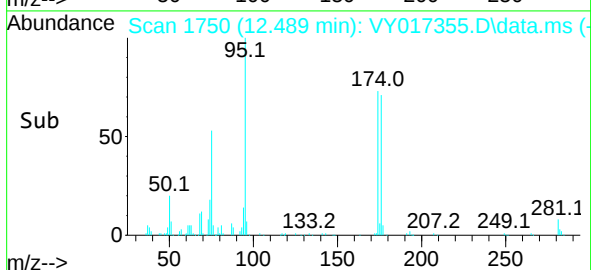
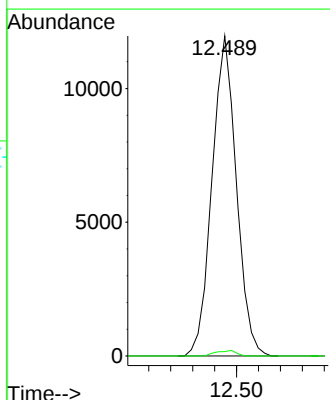
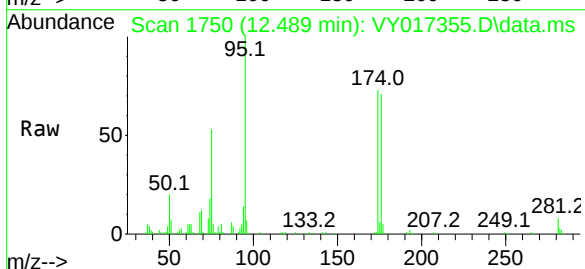
Acq: 12 Feb 2024 15:56

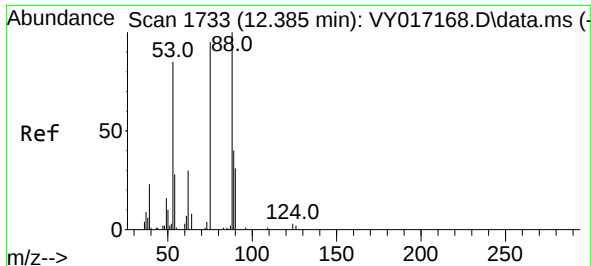
Tgt Ion: 75 Resp: 18457

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

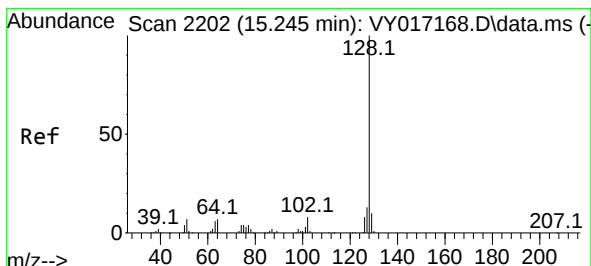
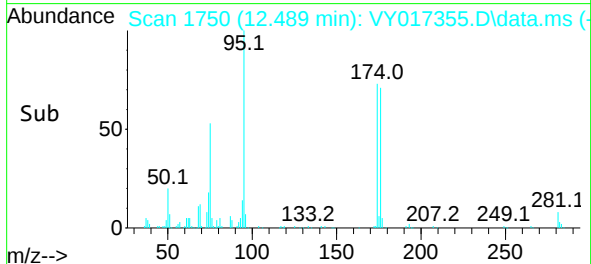
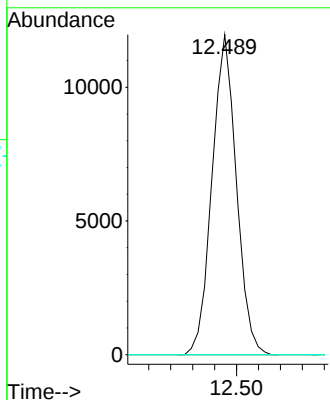
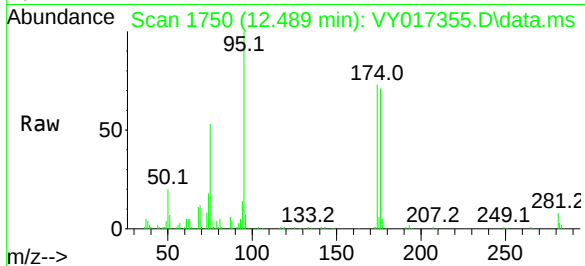




#81
trans-1,4-Dichloro-2-butene
Concen: 106.920 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

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

Tgt Ion: 75 Resp: 18457
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 4.080 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY017355.D
Acq: 12 Feb 2024 15:56

Tgt Ion:128 Resp: 724
Ion Ratio Lower Upper
128 100
127 8.1 10.2 15.4#
129 0.0 8.6 12.8#

