

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042424\
 Data File : VY018034.D
 Acq On : 24 Apr 2024 12:50
 Operator : SY/MD
 Sample : P2247-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 25 01:34:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

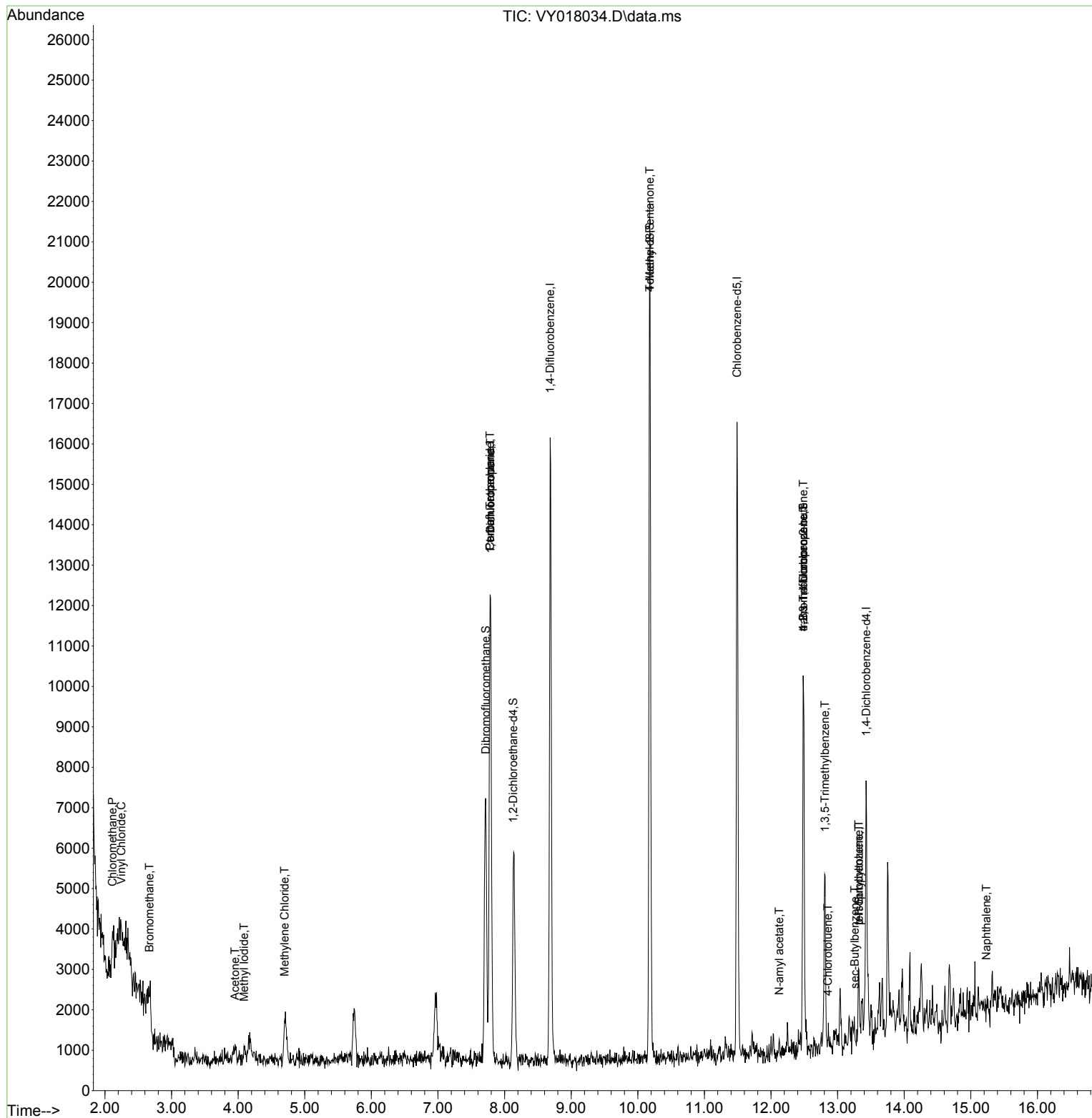
Internal Standards						
1) Pentafluorobenzene	7.783	168	11294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	14570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	9958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	4254	43.526	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.060%
35) Dibromofluoromethane	7.716	113	4883	54.323	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.640%
50) Toluene-d8	10.179	98	14879	43.623	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.240%
62) 4-Bromofluorobenzene	12.483	95	2464	23.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	315	2.122	ug/l	95
4) Vinyl Chloride	2.247	62	198	1.183	ug/l #	42
5) Bromomethane	2.668	94	297	2.667	ug/l	89
10) Methyl Iodide	4.088	142	538	3.443	ug/l #	47
16) Acetone	3.954	43	323	16.726	ug/l	92
20) Methylene Chloride	4.698	84	498	3.806	ug/l #	88
36) 1,1-Dichloropropene	7.789	75	754	5.768	ug/l #	40
38) Carbon Tetrachloride	7.783	117	932	7.057	ug/l #	13
51) 4-Methyl-2-Pentanone	10.179	43	55	1.035	ug/l #	1
74) N-amyl acetate	12.124	43	45	1.509	ug/l #	37
76) 1,2,3-Trichloropropane	12.483	75	1160	60.985	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	677	5.781	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.483	75	1160	125.740	ug/l #	16
82) 4-Chlorotoluene	12.855	91	107	1.030	ug/l #	39
83) tert-Butylbenzene	13.318	119	457	4.272	ug/l #	57
85) sec-Butylbenzene	13.257	105	222	1.382	ug/l #	56
86) p-Isopropyltoluene	13.318	119	457	3.462	ug/l	93
95) Naphthalene	15.233	128	74	1.260	ug/l #	69

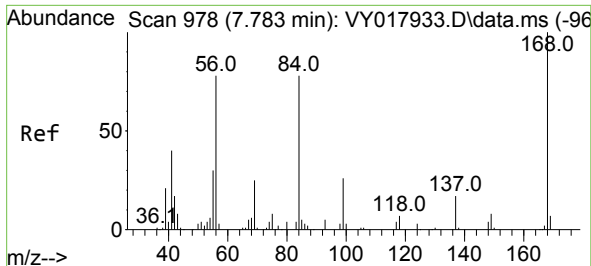
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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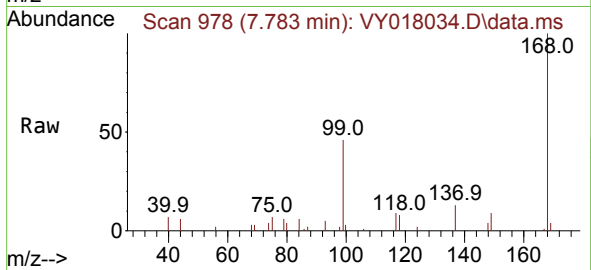
Quant Time: Apr 25 01:34:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:24:42 2024
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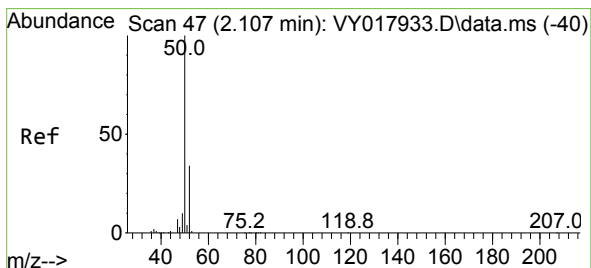
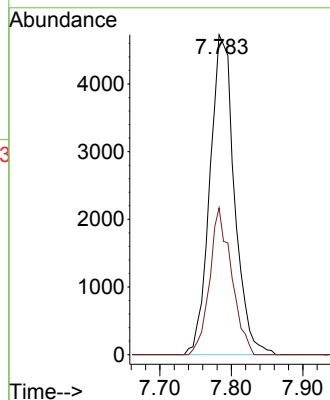
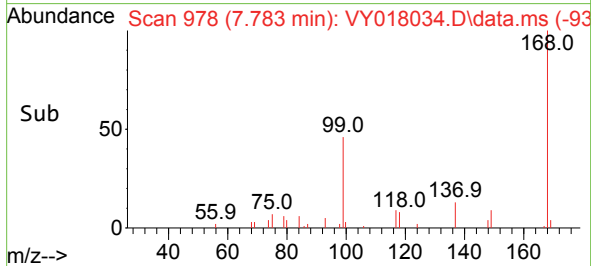


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

Instrument :
MSVOA_Y
ClientSampleId :

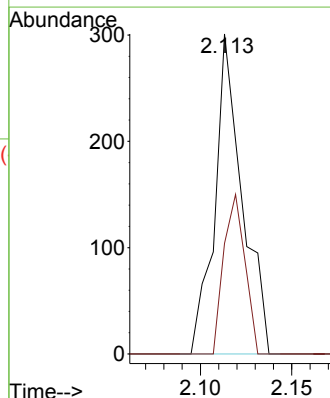
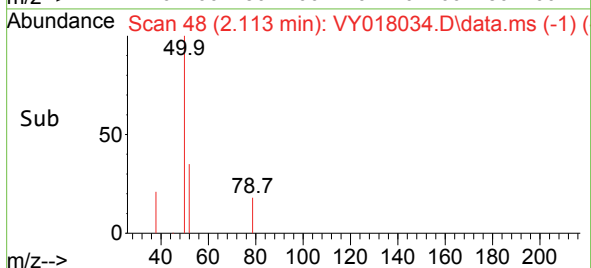
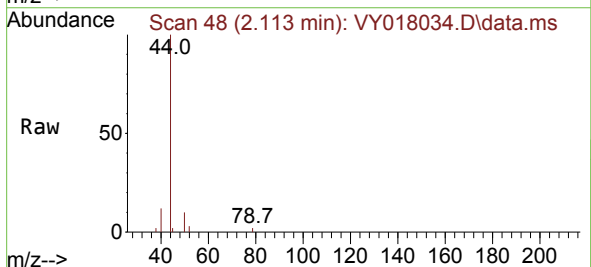


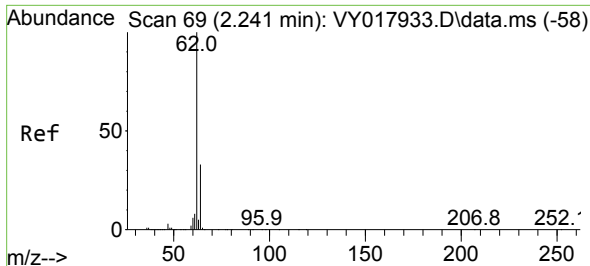
Tgt Ion:168 Resp: 11294
Ion Ratio Lower Upper
168 100
99 45.9 39.1 58.7



#3
Chloromethane
Concen: 2.122 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

Tgt Ion: 50 Resp: 315
Ion Ratio Lower Upper
50 100
52 34.6 25.6 38.4

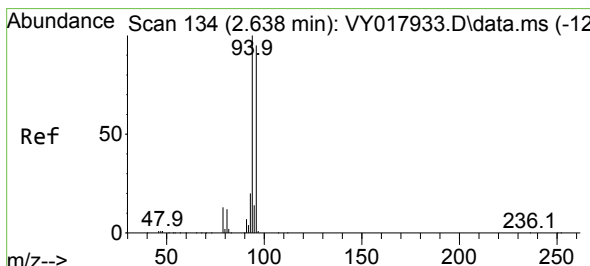
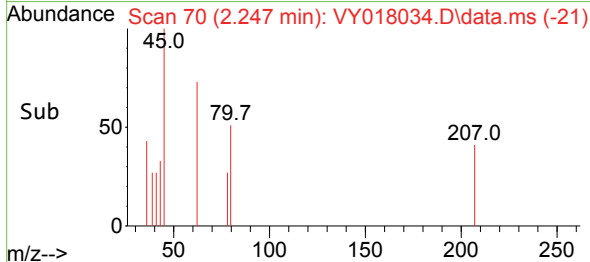
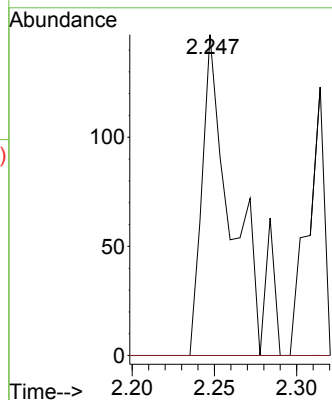
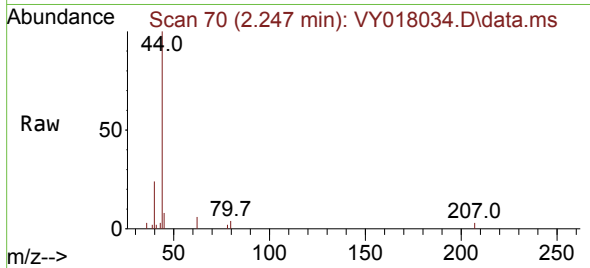




#4
 Vinyl Chloride
 Concen: 1.183 ug/l
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY018034.D
 Acq: 24 Apr 2024 12:50

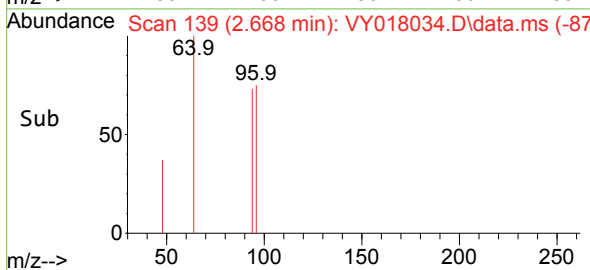
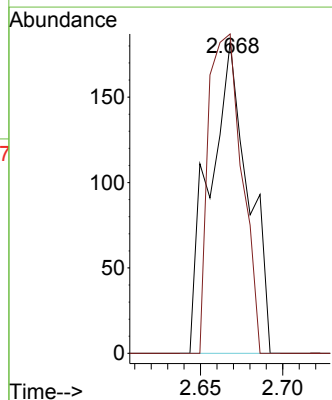
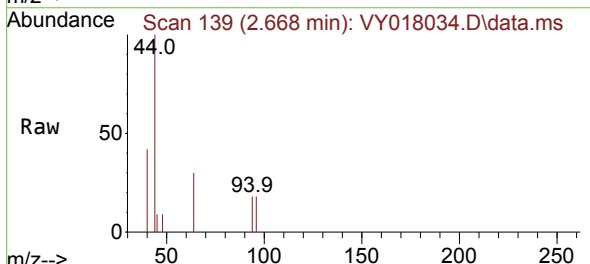
Instrument :
 MSVOA_Y
 ClientSampleId :

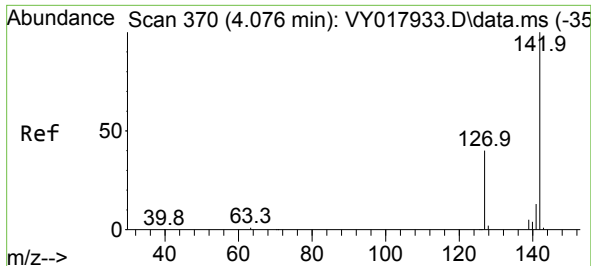
Tgt Ion: 62 Resp: 198
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 2.667 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY018034.D
 Acq: 24 Apr 2024 12:50

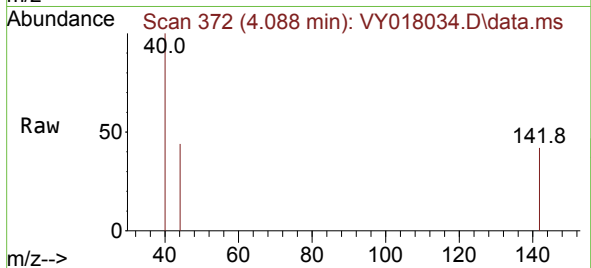
Tgt Ion: 94 Resp: 297
 Ion Ratio Lower Upper
 94 100
 96 102.7 74.1 111.1



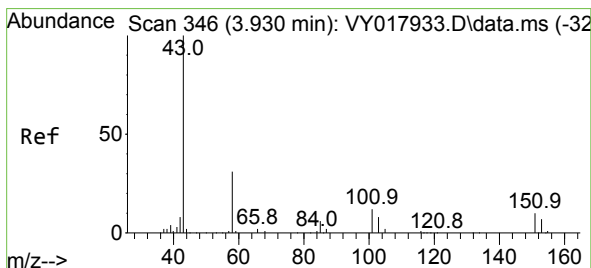
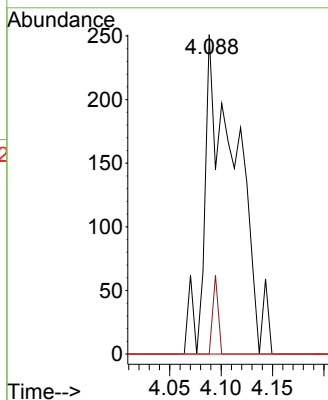
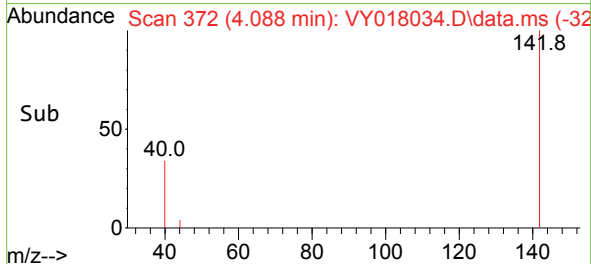


#10
Methyl Iodide
Concen: 3.443 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

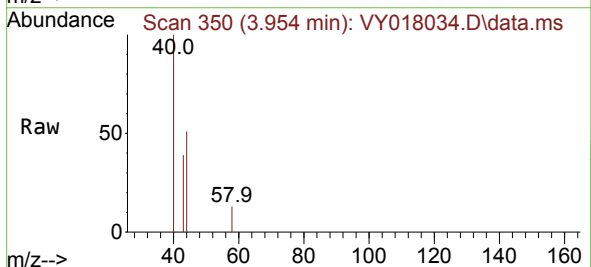
Instrument :
MSVOA_Y
ClientSampleId :



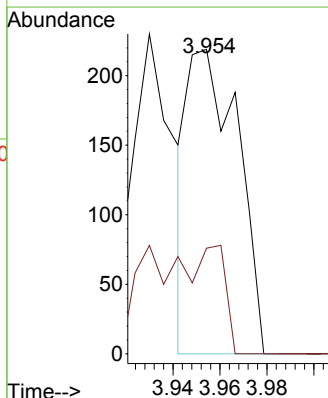
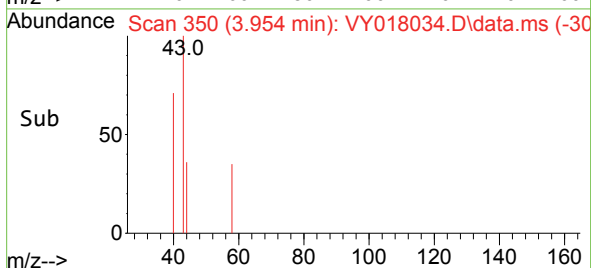
Tgt Ion:142 Resp: 538
Ion Ratio Lower Upper
142 100
127 4.3 32.8 49.2#
141 0.0 11.4 17.2#

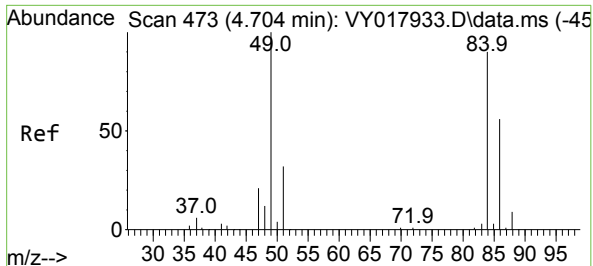


#16
Acetone
Concen: 16.726 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50



Tgt Ion: 43 Resp: 323
Ion Ratio Lower Upper
43 100
58 34.7 31.7 47.5





#20

Methylene Chloride

Concen: 3.806 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.018 min

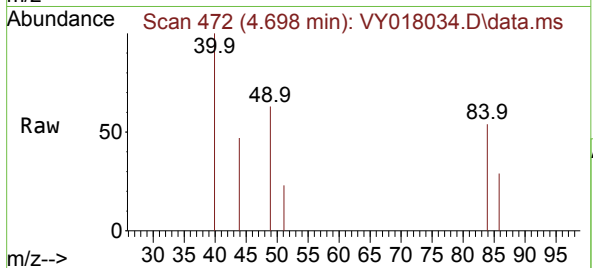
Lab File: VY018034.D

Acq: 24 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 498

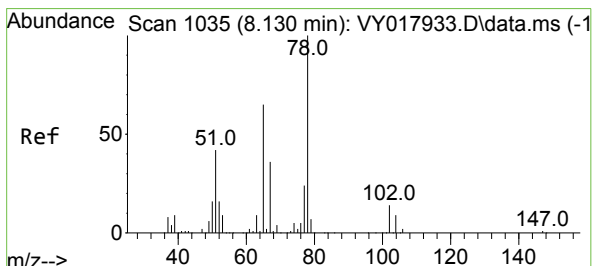
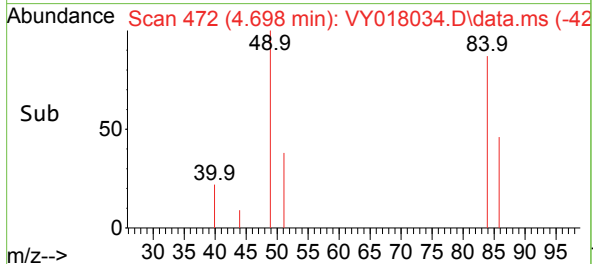
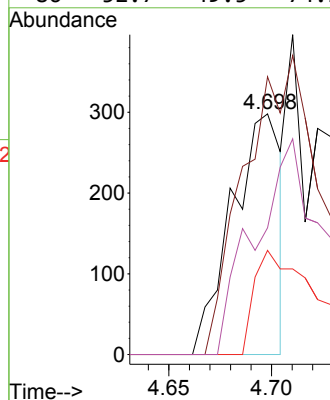
Ion Ratio Lower Upper

84 100

49 115.4 84.4 126.6

51 43.3 26.0 39.0#

86 52.7 49.5 74.3



#33

1,2-Dichloroethane-d4

Concen: 43.526 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.012 min

Lab File: VY018034.D

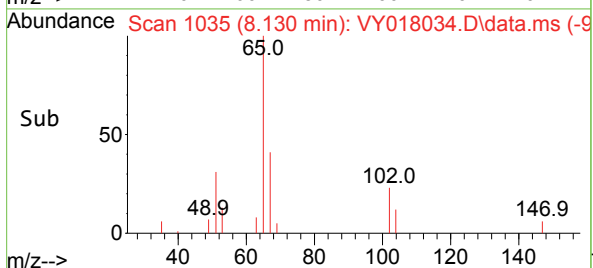
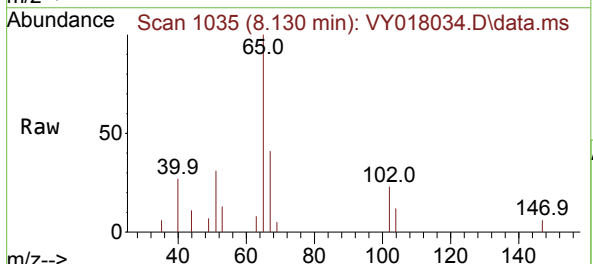
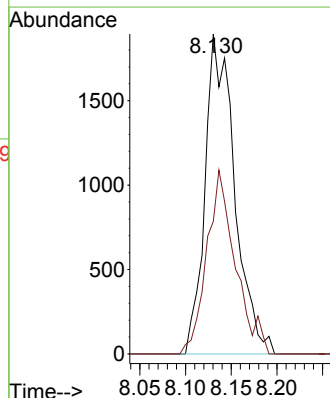
Acq: 24 Apr 2024 12:50

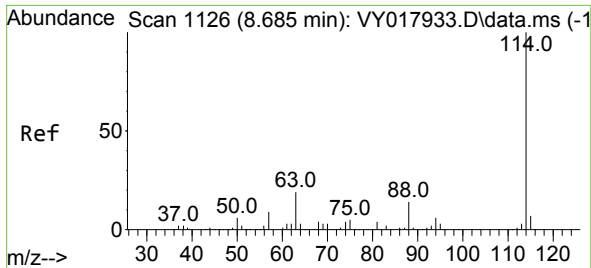
Tgt Ion: 65 Resp: 4254

Ion Ratio Lower Upper

65 100

67 55.7 0.0 109.6

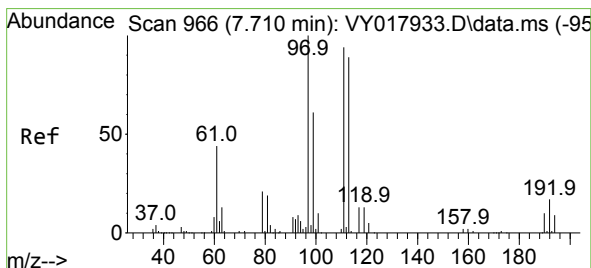
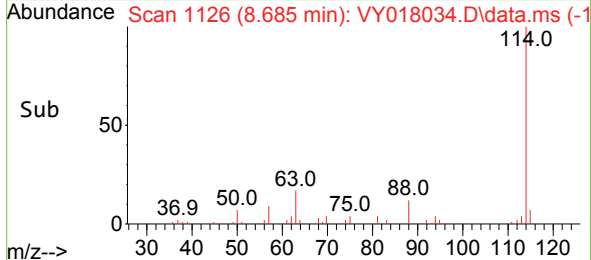
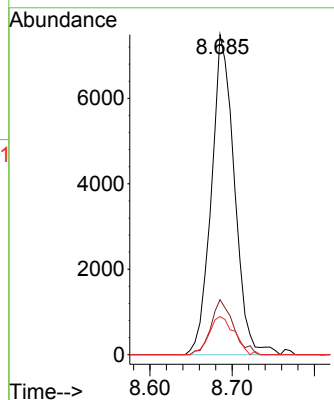
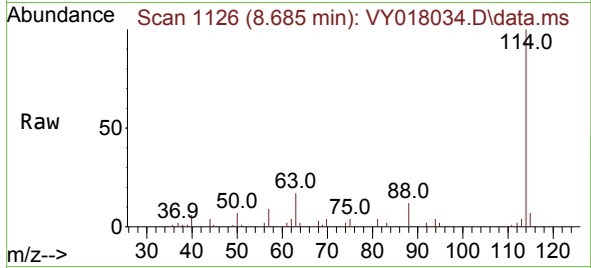




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

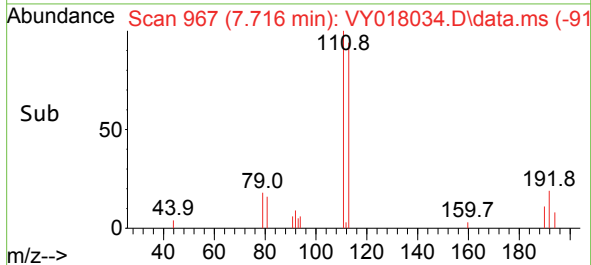
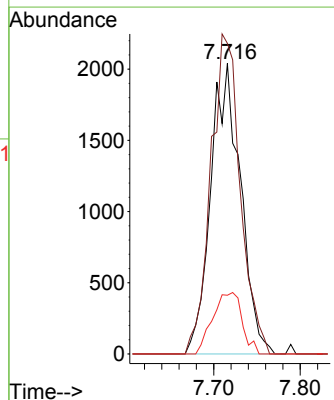
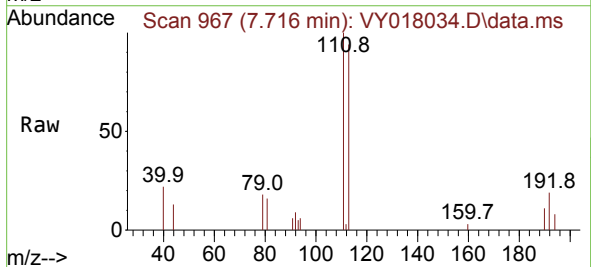
Instrument :
MSVOA_Y
ClientSampleId :

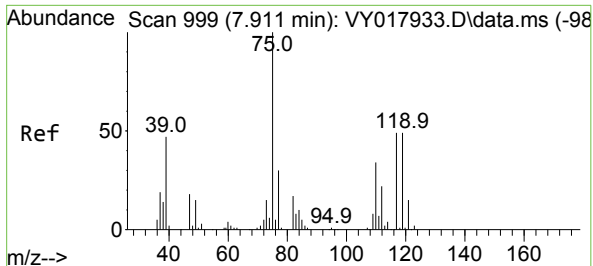
Tgt Ion:114 Resp: 14570
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.0
88 11.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 54.323 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

Tgt Ion:113 Resp: 4883
Ion Ratio Lower Upper
113 100
111 108.7 82.2 123.4
192 20.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.768 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY018034.D

Acq: 24 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

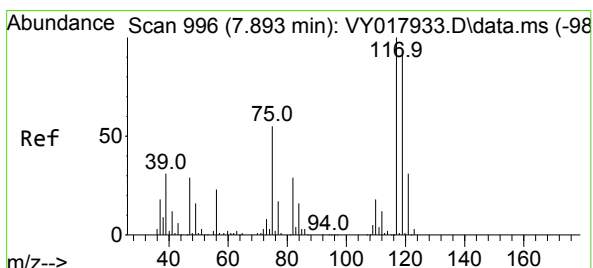
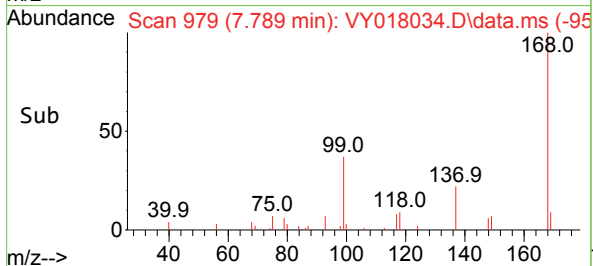
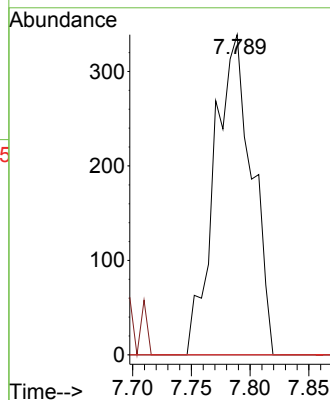
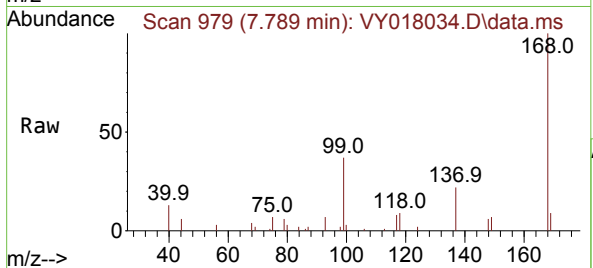
Tgt Ion: 75 Resp: 754

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.057 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY018034.D

Acq: 24 Apr 2024 12:50

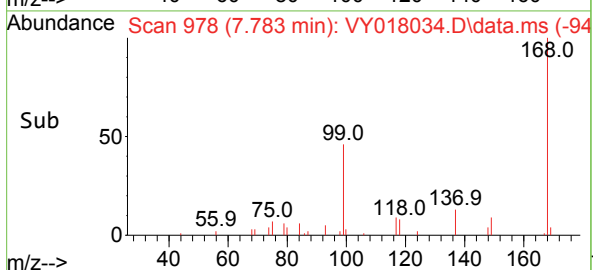
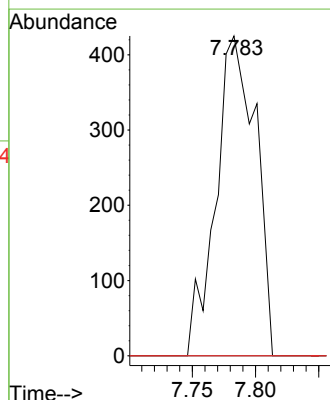
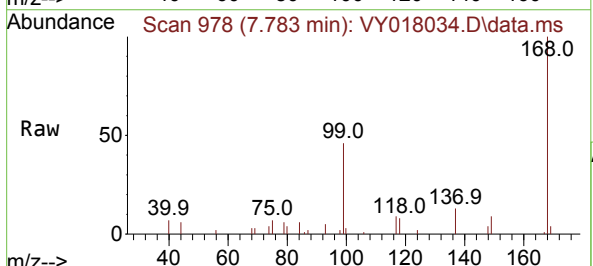
Tgt Ion: 117 Resp: 932

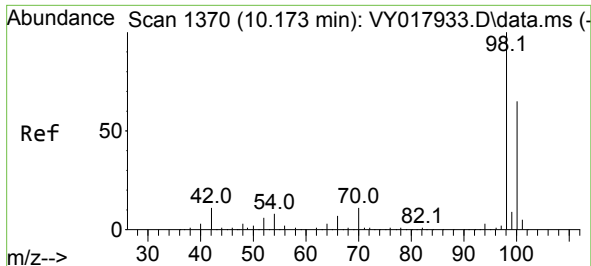
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 43.623 ug/l

RT: 10.179 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018034.D

Acq: 24 Apr 2024 12:50

Instrument :

MSVOA_Y

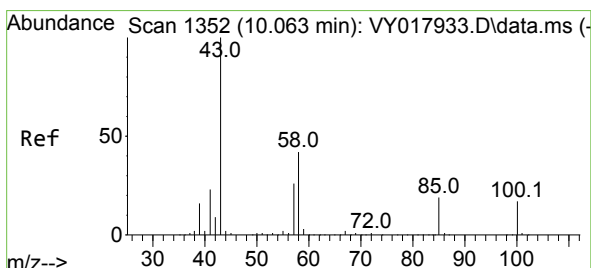
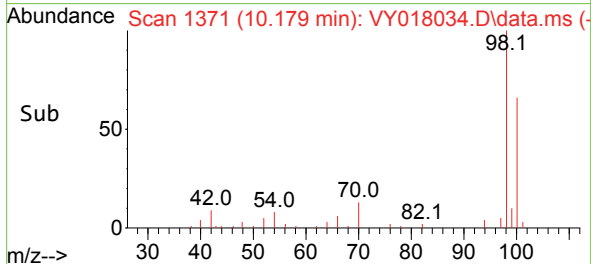
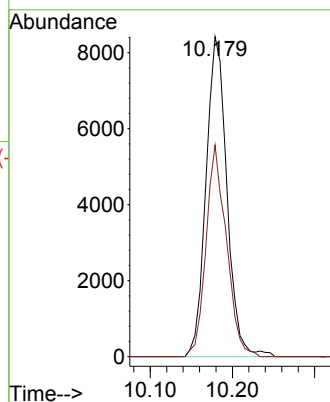
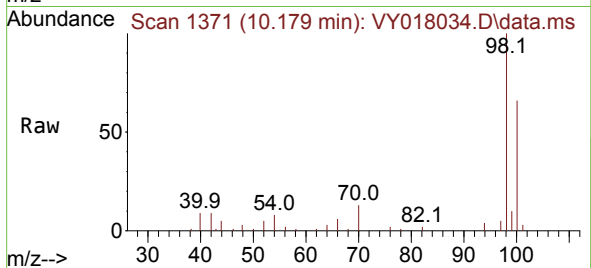
ClientSampleId :

Tgt Ion: 98 Resp: 14879

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.035 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.110 min

Lab File: VY018034.D

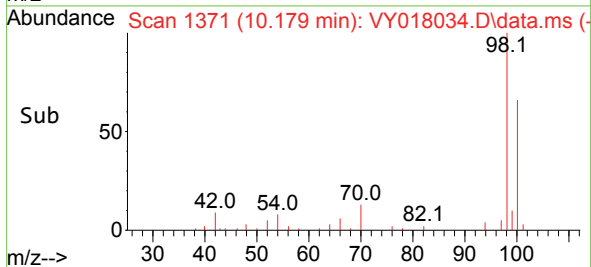
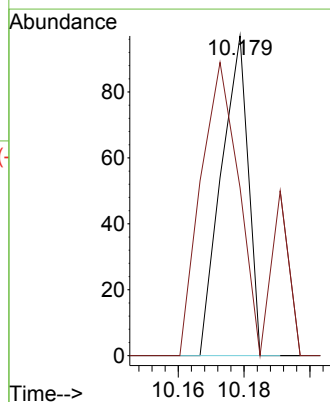
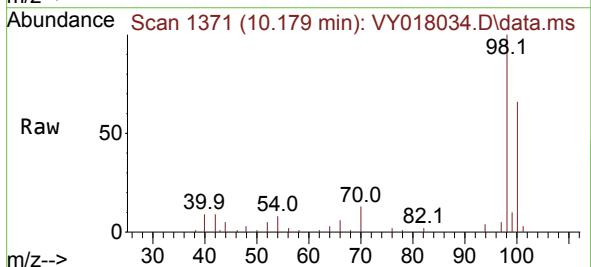
Acq: 24 Apr 2024 12:50

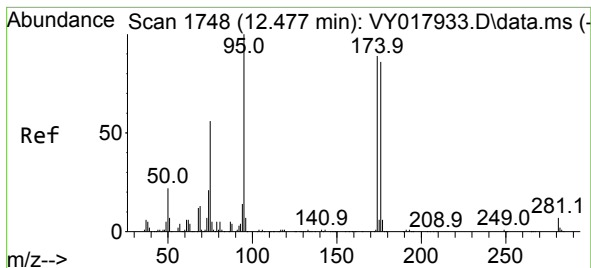
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

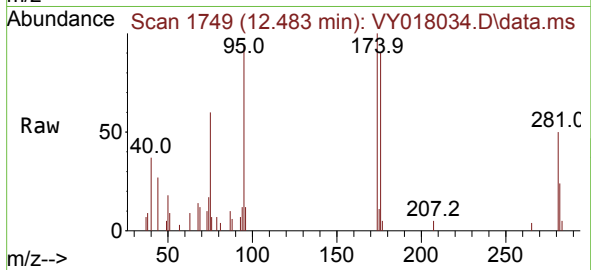
58 161.8 35.7 53.5#



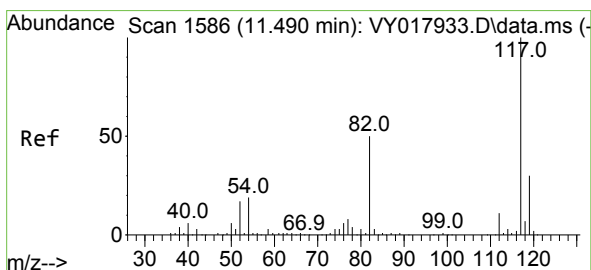
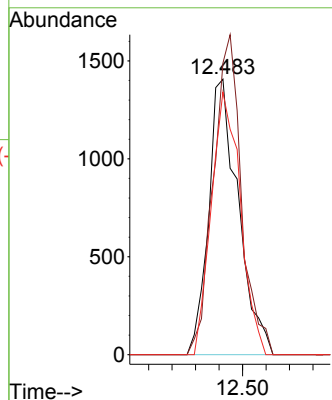
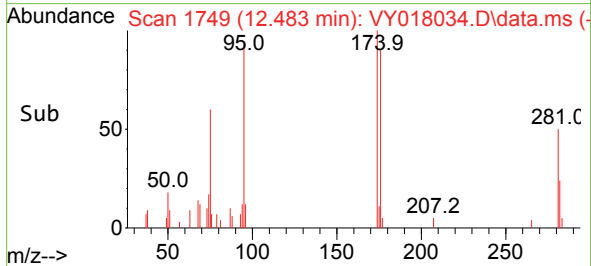


#62
4-Bromofluorobenzene
Concen: 23.326 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

Instrument :
MSVOA_Y
ClientSampleId :

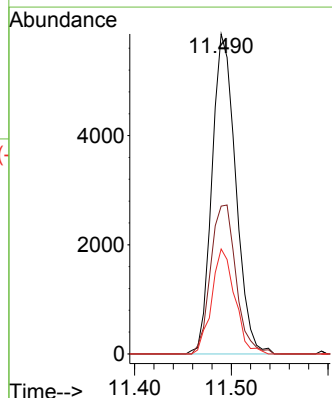
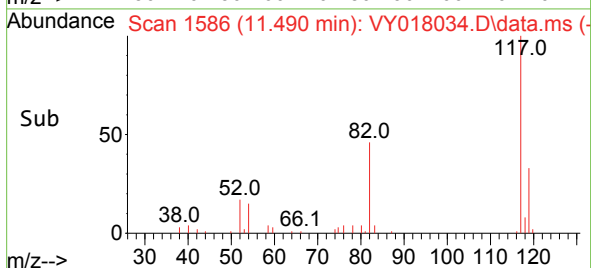
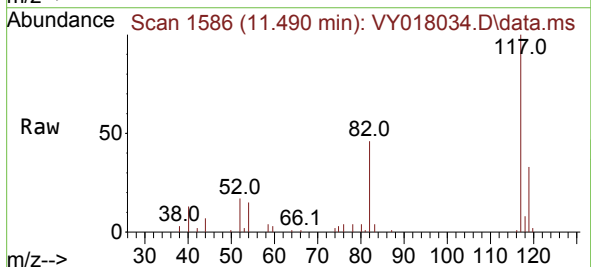


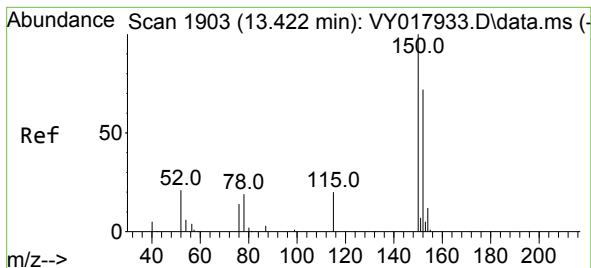
Tgt Ion: 95 Resp: 2464
Ion Ratio Lower Upper
95 100
174 110.3 0.0 175.6
176 93.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

Tgt Ion: 117 Resp: 9958
Ion Ratio Lower Upper
117 100
82 46.2 42.4 63.6
119 32.8 25.9 38.9

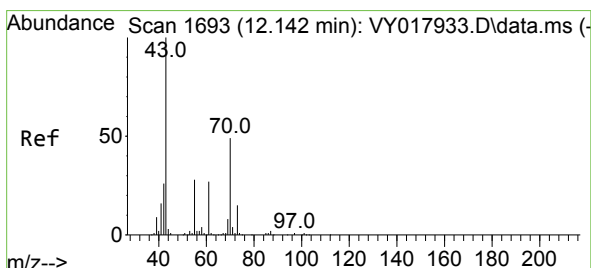
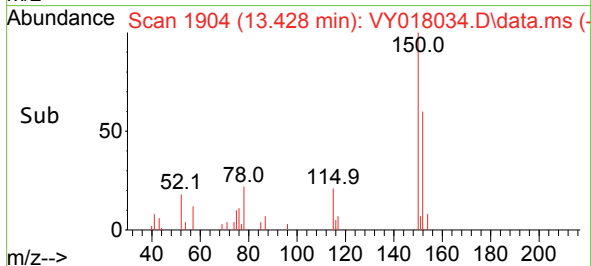
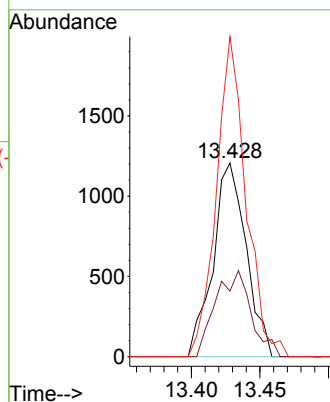
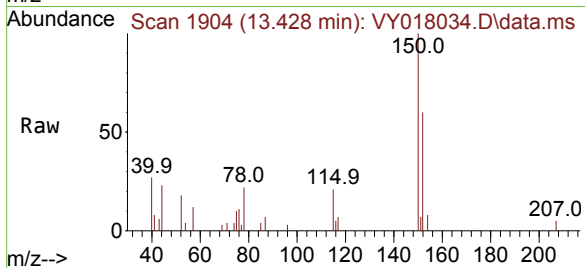




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY018034.D
 Acq: 24 Apr 2024 12:50

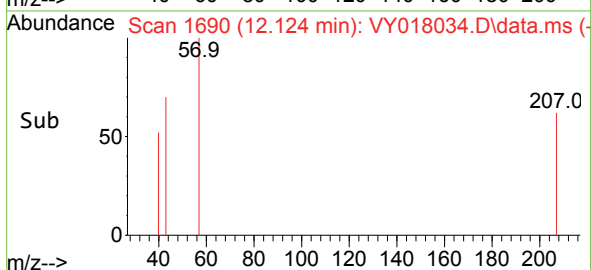
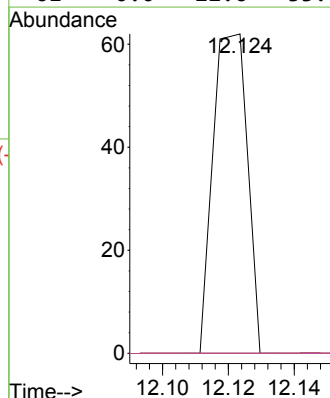
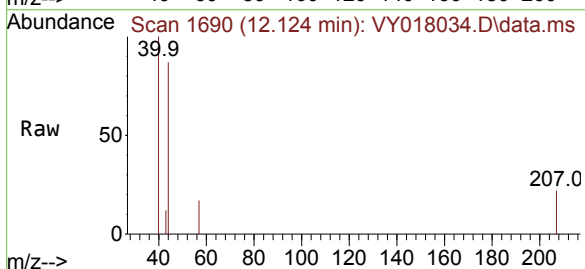
Instrument :
 MSVOA_Y
 ClientSampleId :

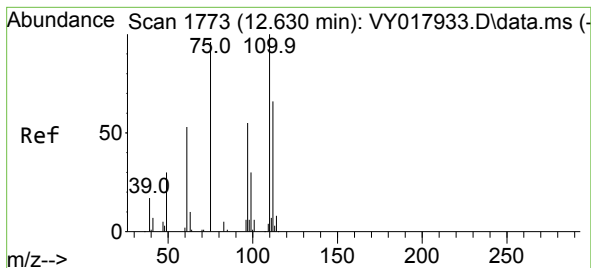
Tgt Ion:152 Resp: 2027
 Ion Ratio Lower Upper
 152 100
 115 47.6 28.2 84.7
 150 147.9 0.0 345.6



#74
 N-ethyl acetate
 Concen: 1.509 ug/l
 RT: 12.124 min Scan# 1690
 Delta R.T. -0.018 min
 Lab File: VY018034.D
 Acq: 24 Apr 2024 12:50

Tgt Ion: 43 Resp: 45
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.2#
 55 0.0 23.3 34.9#
 61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 60.985 ug/l

RT: 12.483 min Scan# 1773

Delta R.T. -0.152 min

Lab File: VY018034.D

Acq: 24 Apr 2024 12:50

Instrument :

MSVOA_Y

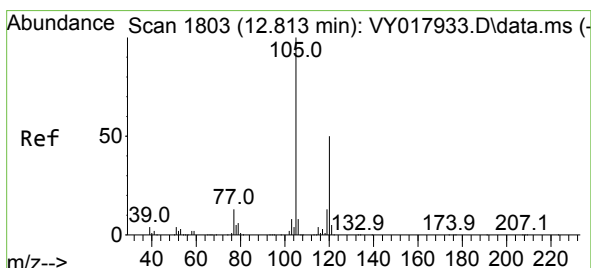
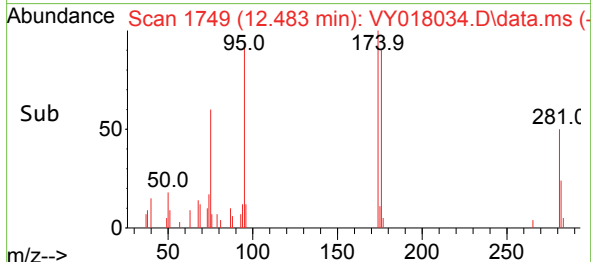
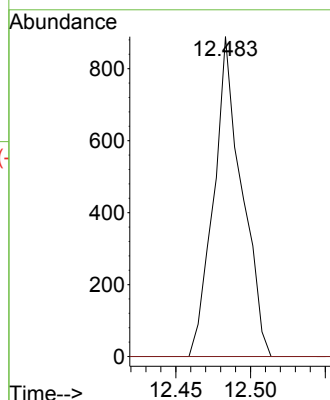
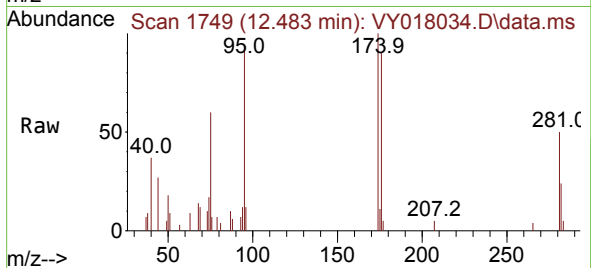
ClientSampleId :

Tgt Ion: 75 Resp: 1160

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#80

1,3,5-Trimethylbenzene

Concen: 5.781 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY018034.D

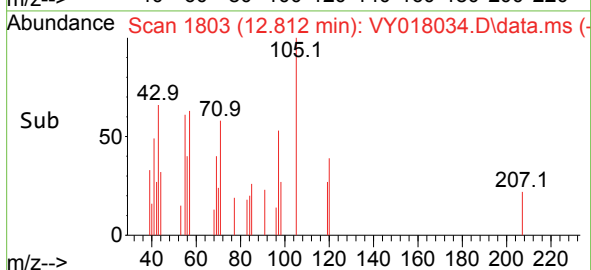
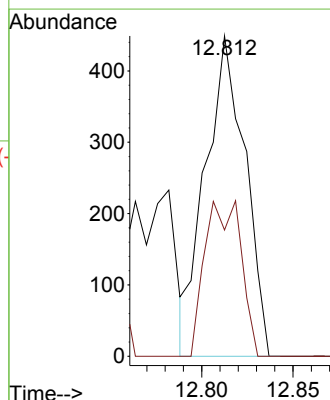
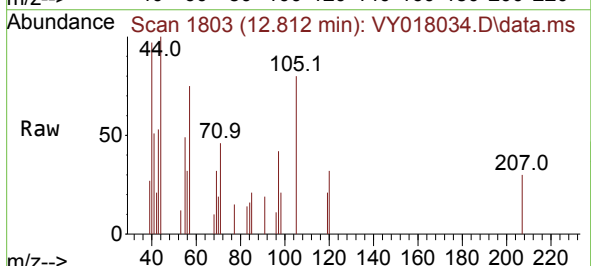
Acq: 24 Apr 2024 12:50

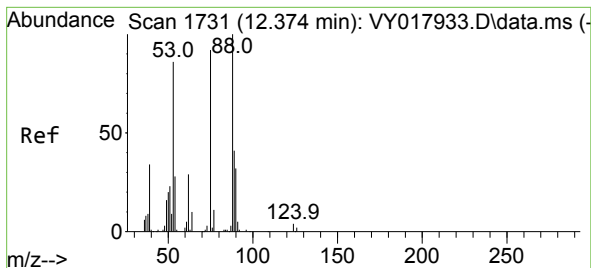
Tgt Ion:105 Resp: 677

Ion Ratio Lower Upper

105 100

120 44.3 25.1 75.2

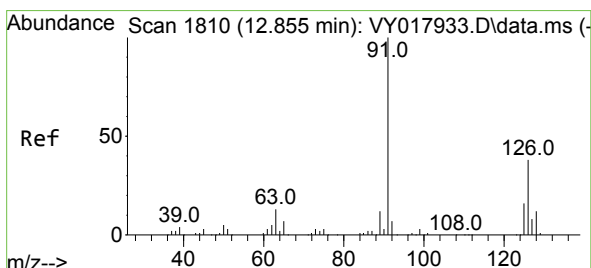
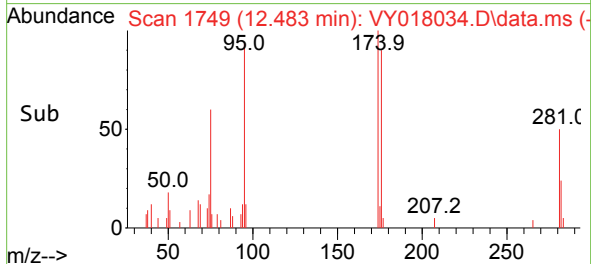
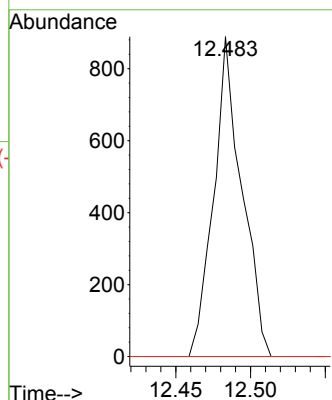
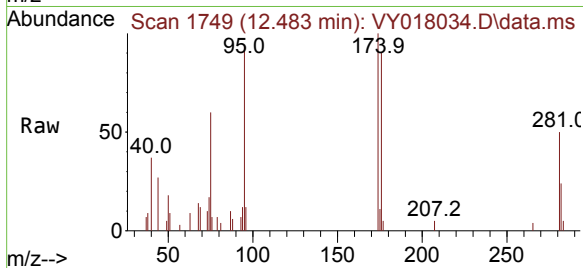




#81
trans-1,4-Dichloro-2-butene
Concen: 125.740 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

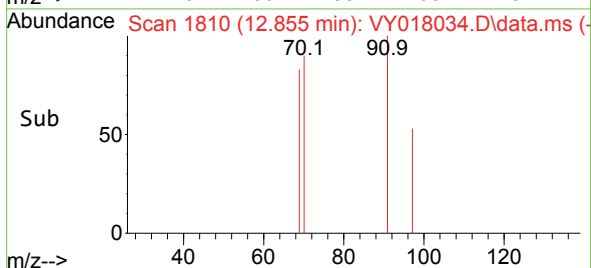
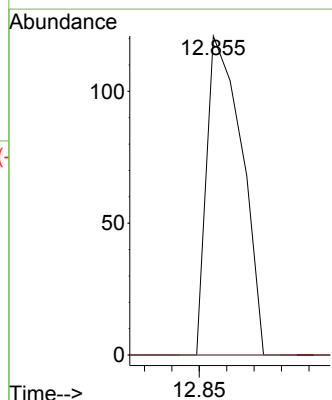
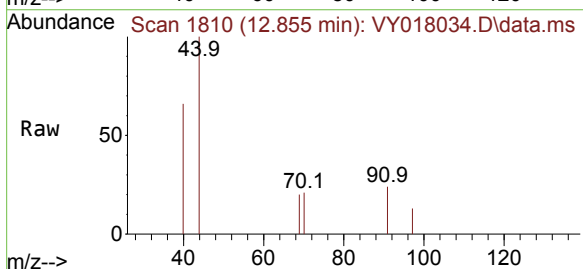
Instrument :
MSVOA_Y
ClientSampleId :

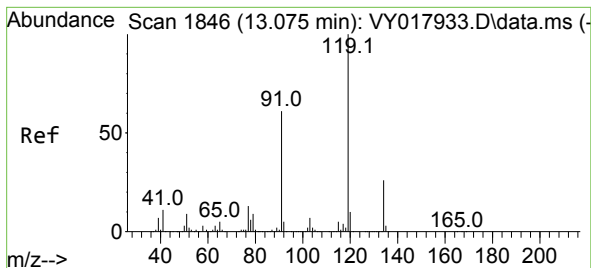
Tgt Ion: 75 Resp: 1160
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.030 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

Tgt Ion: 91 Resp: 107
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#





#83

tert-Butylbenzene

Concen: 4.272 ug/l

RT: 13.318 min Scan# 1886

Delta R.T. 0.244 min

Lab File: VY018034.D

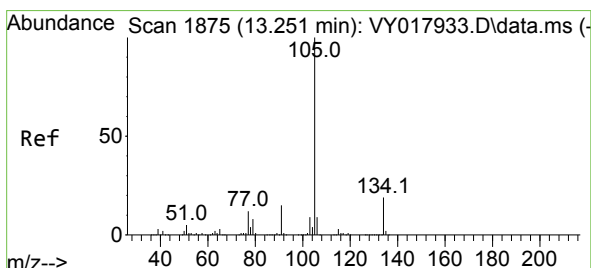
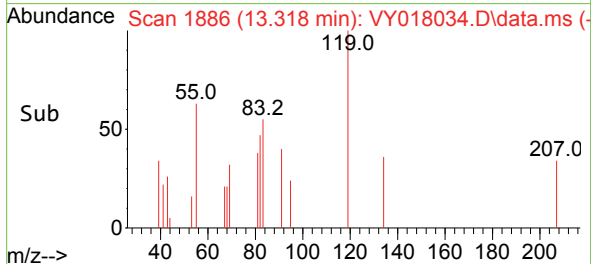
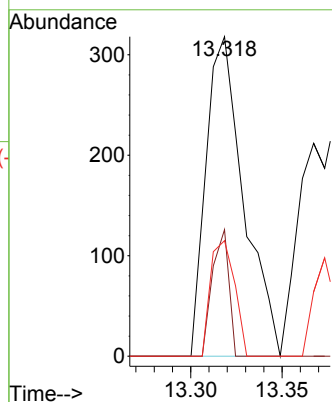
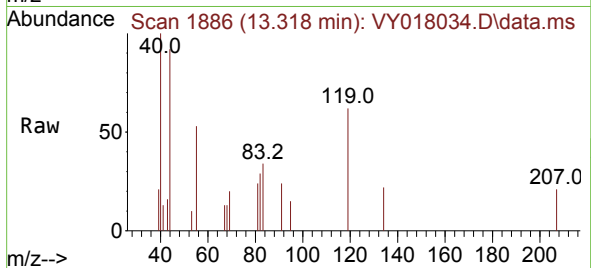
Acq: 24 Apr 2024 12:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	119	Resp:	457
Ion	Ratio	Lower	Upper
119	100		
91	17.3	31.3	93.8#
134	23.2	13.4	40.1



#85

sec-Butylbenzene

Concen: 1.382 ug/l

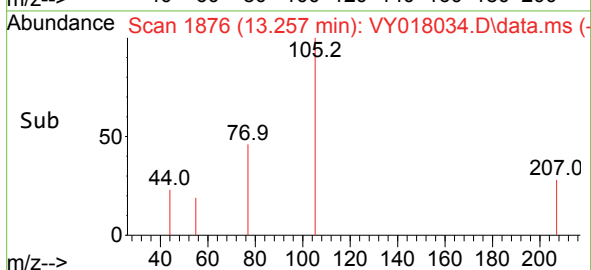
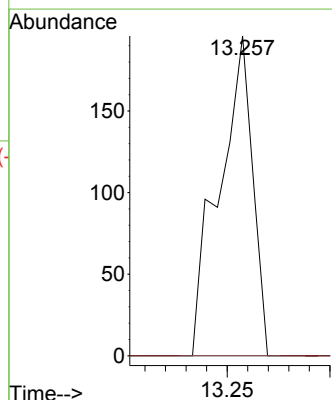
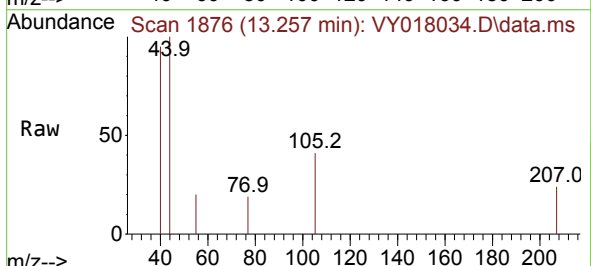
RT: 13.257 min Scan# 1876

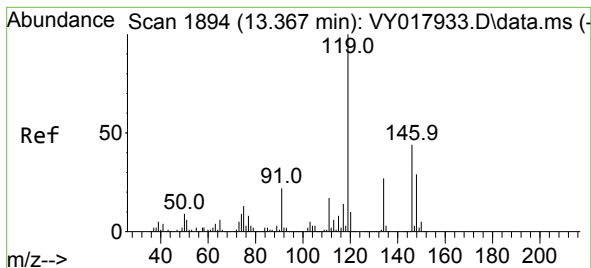
Delta R.T. 0.006 min

Lab File: VY018034.D

Acq: 24 Apr 2024 12:50

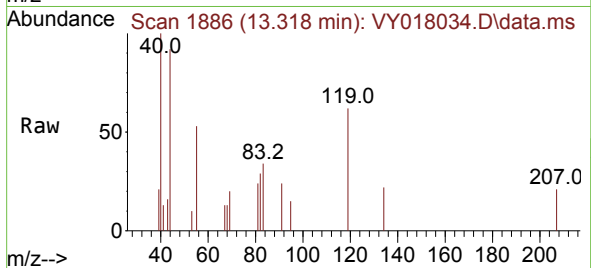
Tgt Ion:	105	Resp:	222
Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.1	30.1#



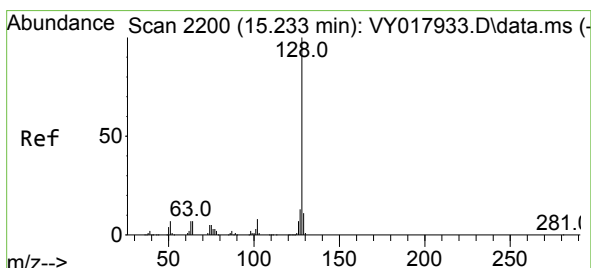
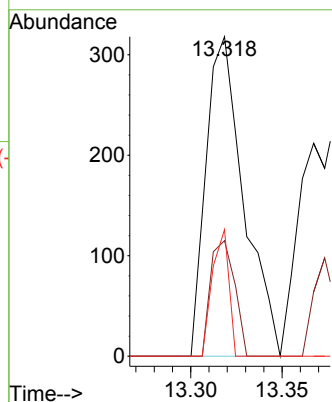
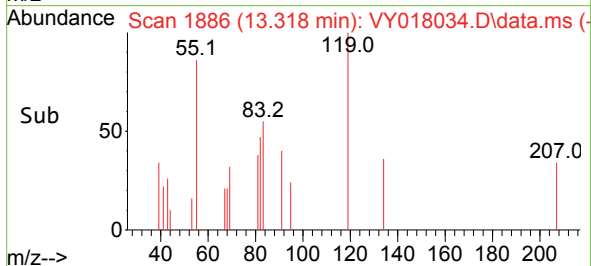


#86
p-Isopropyltoluene
Concen: 3.462 ug/l
RT: 13.318 min Scan# 1886
Delta R.T. -0.049 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50

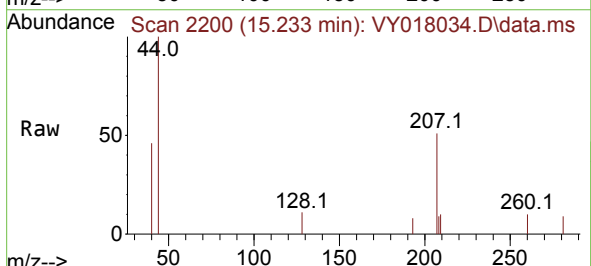
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:119 Resp: 457
Ion Ratio Lower Upper
119 100
134 23.2 13.1 39.3
91 17.3 10.7 32.1



#95
Naphthalene
Concen: 1.260 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY018034.D
Acq: 24 Apr 2024 12:50



Tgt Ion:128 Resp: 74
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

