

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071824\
 Data File : VY018864.D
 Acq On : 18 Jul 2024 14:55
 Operator : SY/MD
 Sample : P3266-01
 Misc : 5.1g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 19 01:40:07 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)

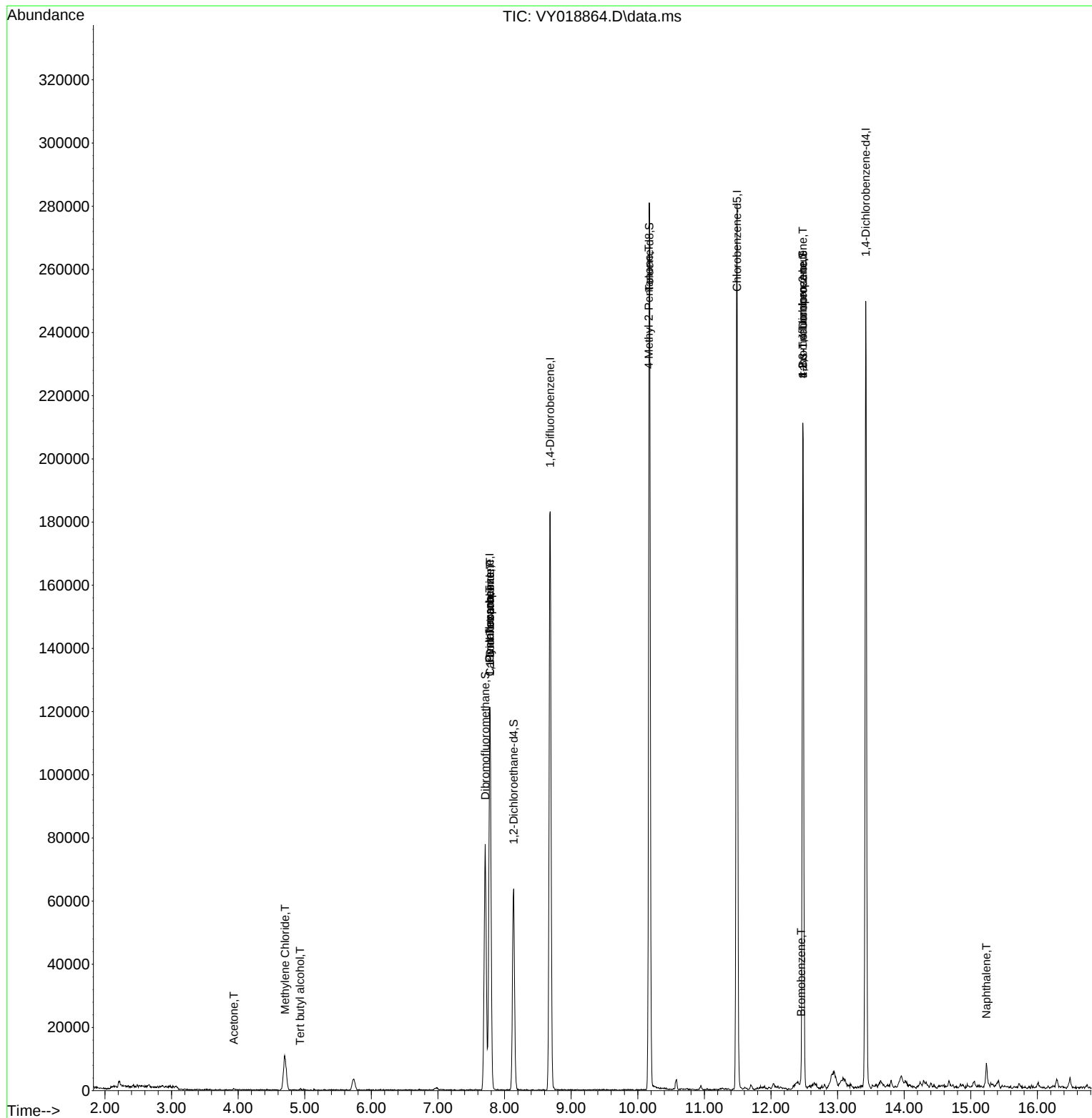
Internal Standards						
1) Pentafluorobenzene	7.777	168	94612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	164533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	150880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	48297	51.876	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.760%	
35) Dibromofluoromethane	7.710	113	50076	48.594	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.180%	
50) Toluene-d8	10.173	98	183507	47.003	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.000%	
62) 4-Bromofluorobenzene	12.477	95	63144	47.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	278	2.948	ug/l #	88
16) Acetone	3.936	43	399	2.325	ug/l #	36
20) Methylene Chloride	4.704	84	8687	4.411	ug/l	96
31) Cyclohexane	7.777	56	1870	1.307	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	6927	4.871	ug/l #	48
38) Carbon Tetrachloride	7.783	117	9177	5.358	ug/l #	16
51) 4-Methyl-2-Pentanone	10.167	43	994	1.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	34670	69.264	ug/l #	100
77) Bromobenzene	12.453	156	1213	1.086	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	34670	155.017	ug/l #	16
95) Naphthalene	15.233	128	5871	2.959	ug/l #	94

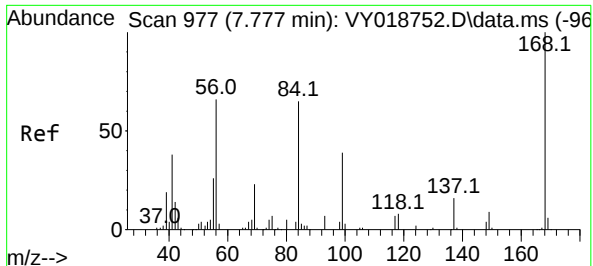
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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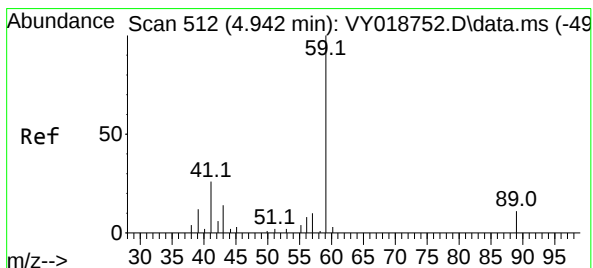
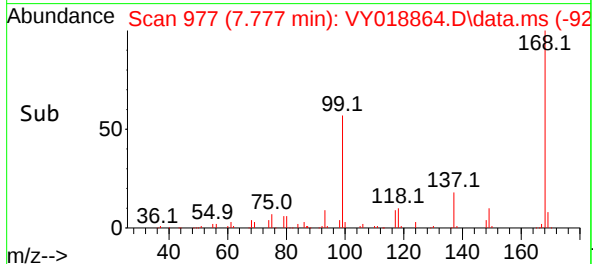
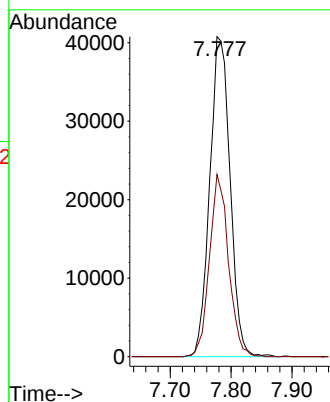
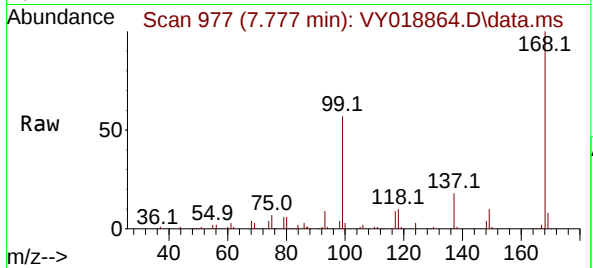




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

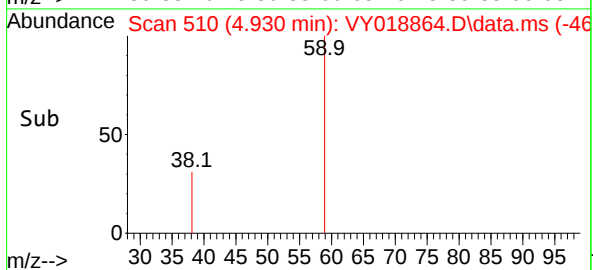
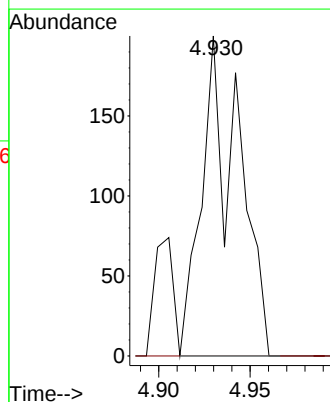
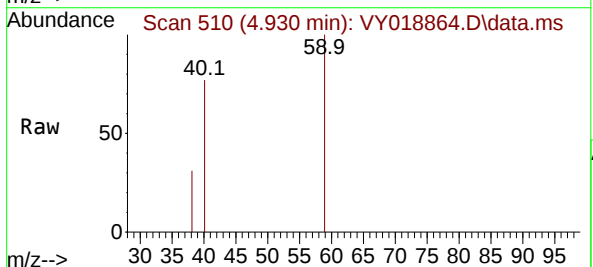
Instrument :
MSVOA_Y
ClientSampleId :

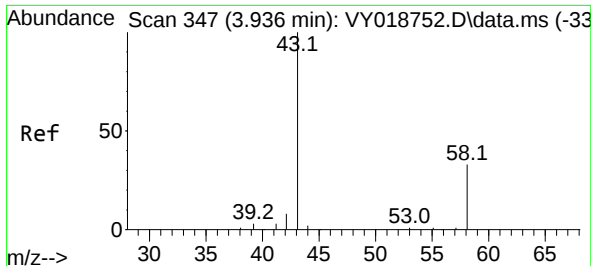
Tgt Ion:168 Resp: 94612
Ion Ratio Lower Upper
168 100
99 56.9 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.948 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

Tgt Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.325 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

Instrument :

MSVOA_Y

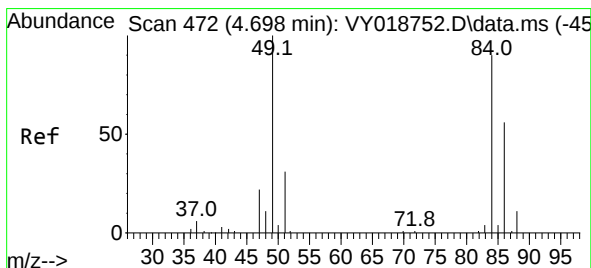
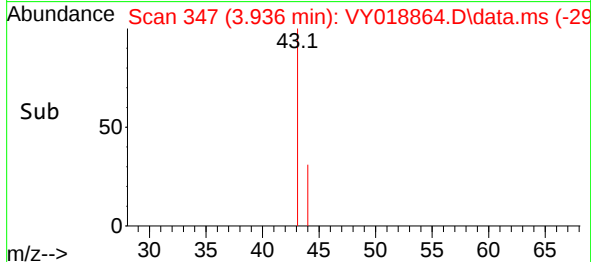
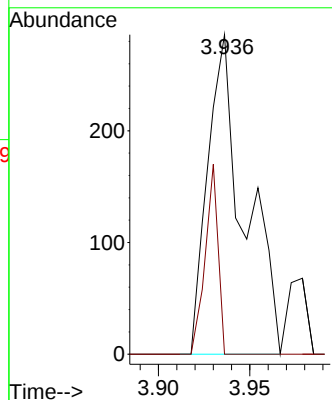
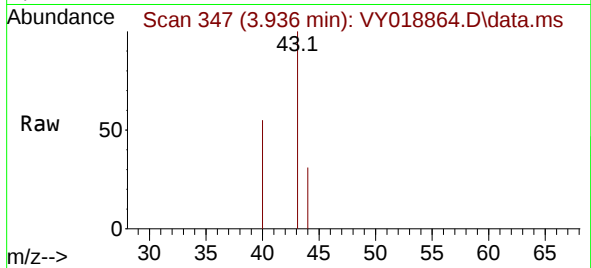
ClientSampleId :

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 4.411 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

Tgt Ion: 84 Resp: 8687

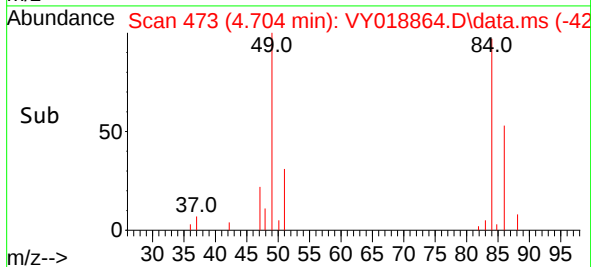
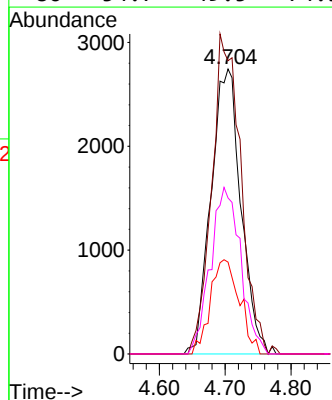
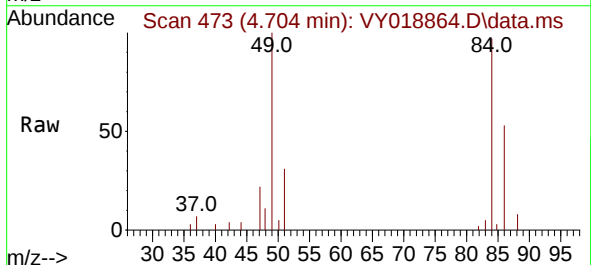
Ion Ratio Lower Upper

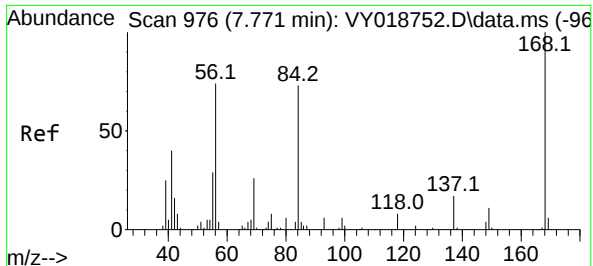
84 100

49 102.9 84.4 126.6

51 32.3 26.0 39.0

86 54.7 49.5 74.3

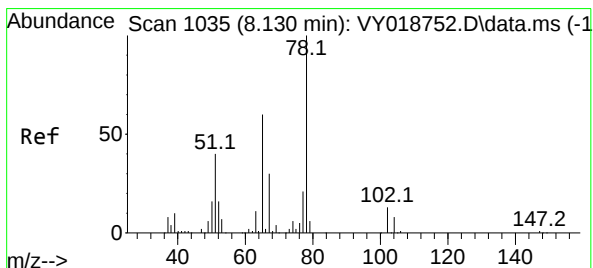
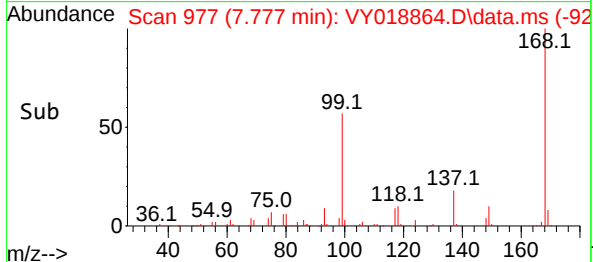
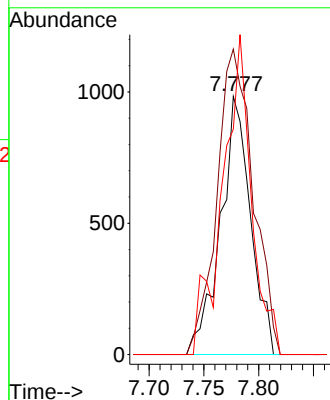
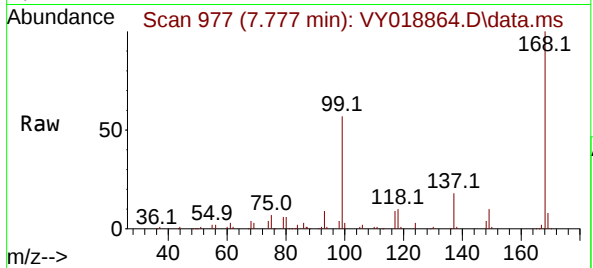




#31
Cyclohexane
Concen: 1.307 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

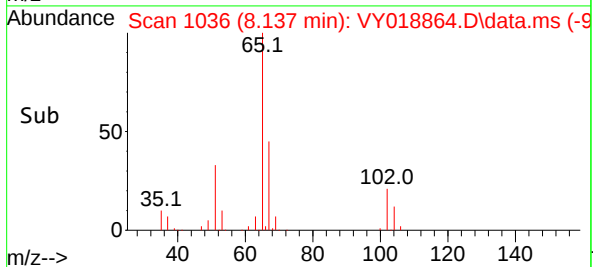
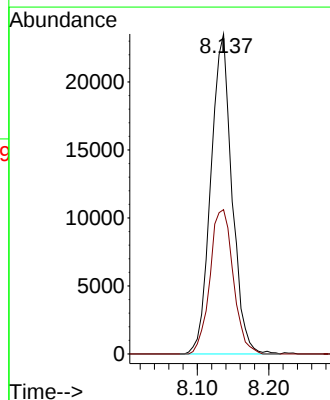
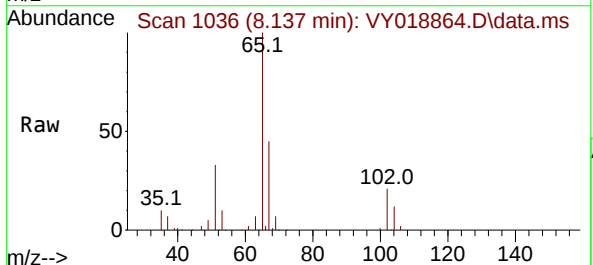
Instrument :
MSVOA_Y
ClientSampleId :

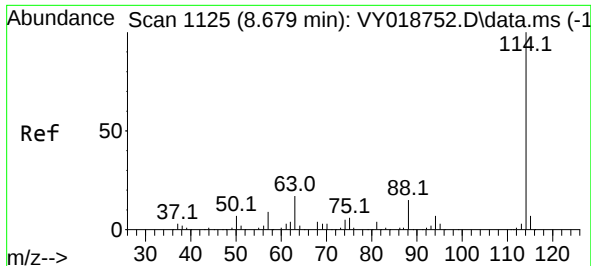
Tgt Ion: 56 Resp: 1870
Ion Ratio Lower Upper
56 100
69 118.3 28.7 43.1#
84 87.3 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 51.876 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

Tgt Ion: 65 Resp: 48297
Ion Ratio Lower Upper
65 100
67 49.6 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: VY018864.D

Acq: 18 Jul 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

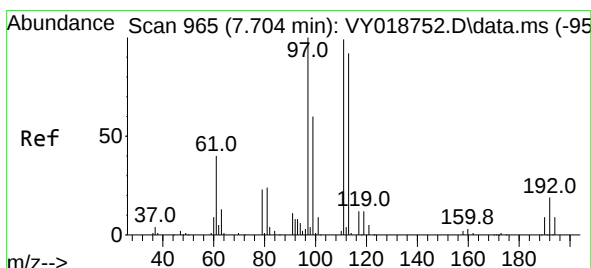
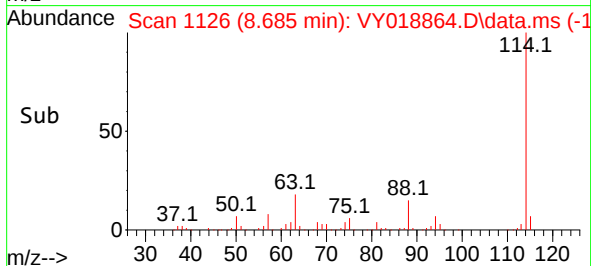
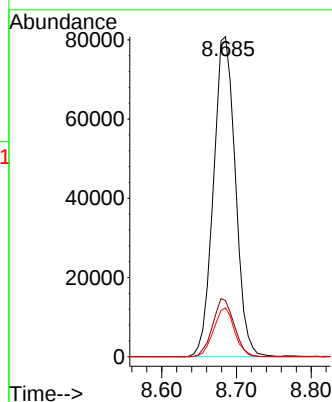
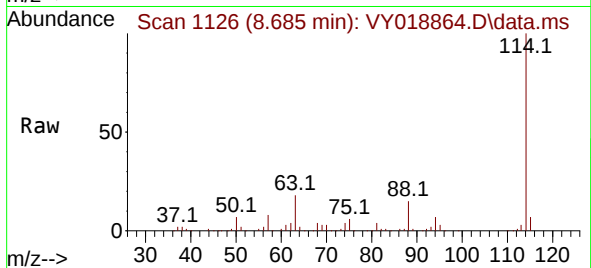
Tgt Ion:114 Resp: 164533

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 15.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.594 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

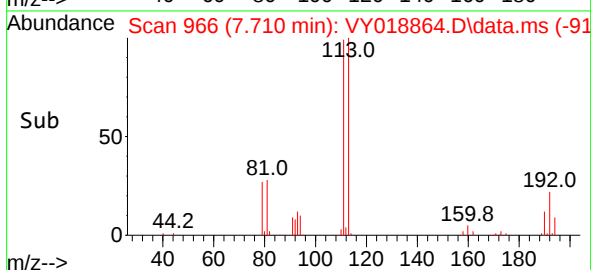
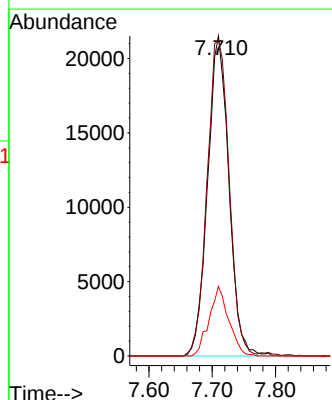
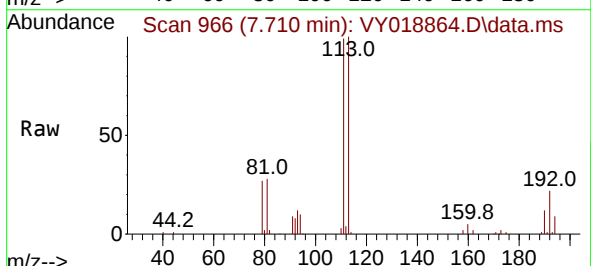
Tgt Ion:113 Resp: 50076

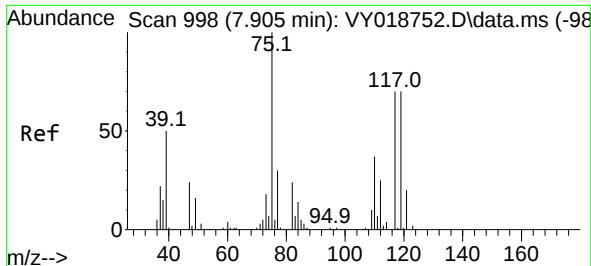
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 20.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.871 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

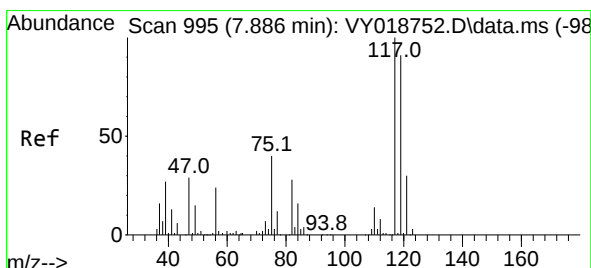
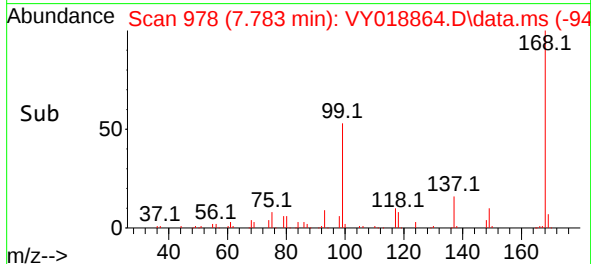
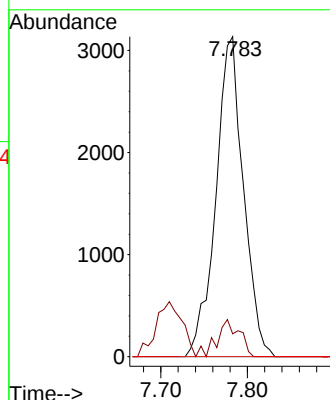
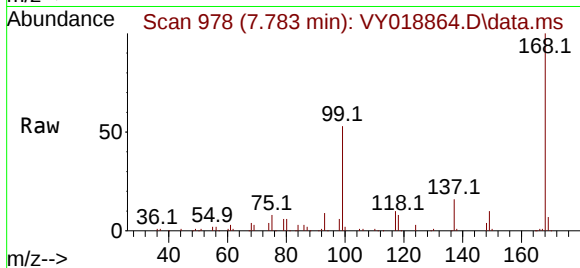
Tgt Ion: 75 Resp: 6927

Ion Ratio Lower Upper

75 100

110 9.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.358 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.104 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

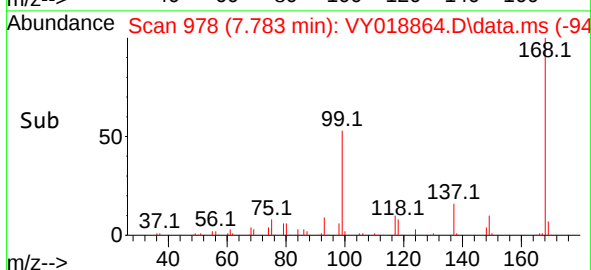
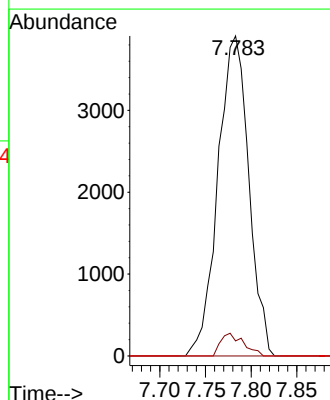
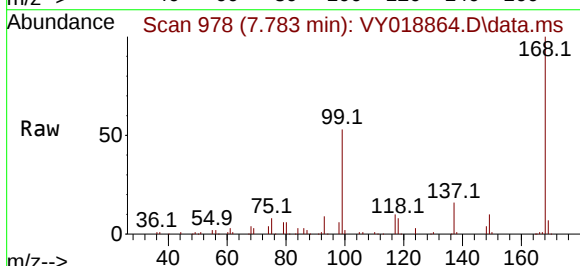
Tgt Ion: 117 Resp: 9177

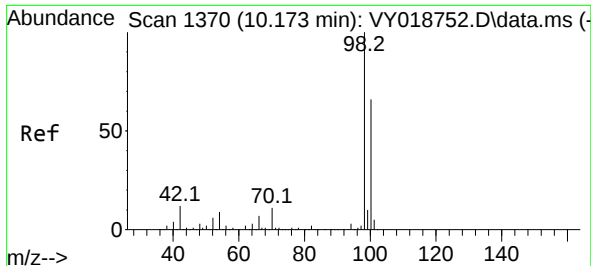
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.0 36.0#

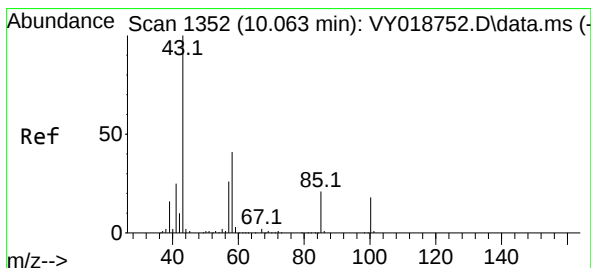
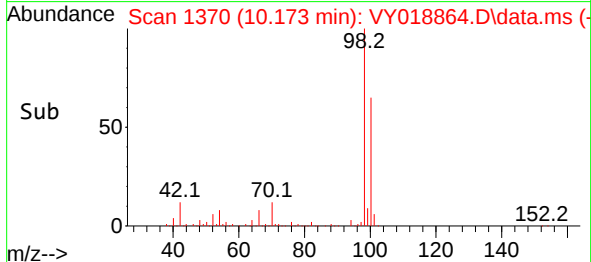
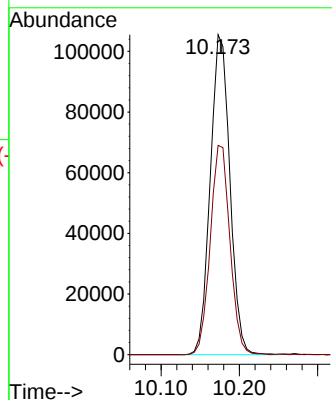
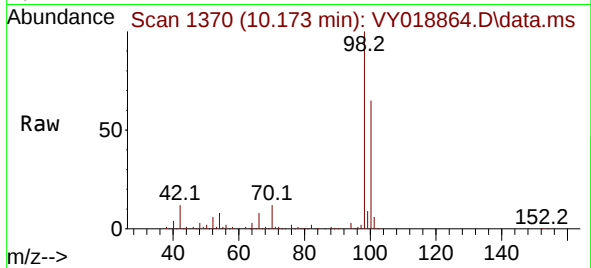




#50
Toluene-d8
Concen: 47.003 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

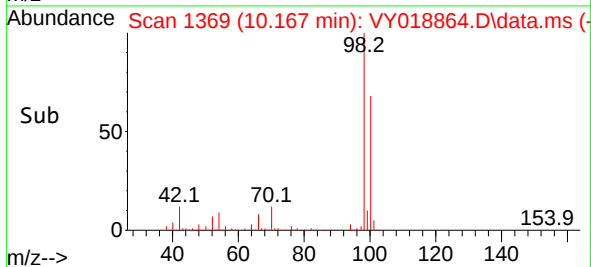
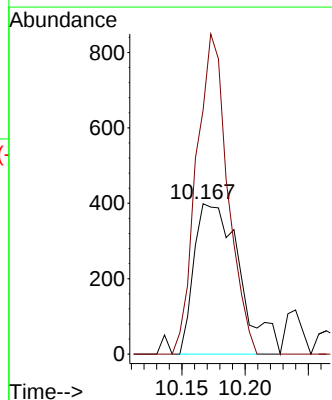
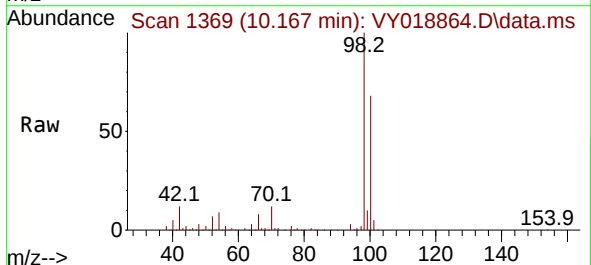
Instrument :
MSVOA_Y
ClientSampleId :

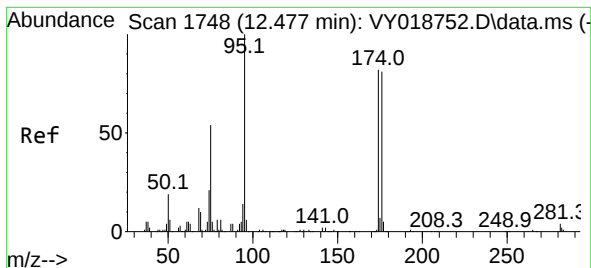
Tgt Ion: 98 Resp: 183507
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.655 ug/l
RT: 10.167 min Scan# 1369
Delta R.T. 0.104 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 147.5 35.7 53.5#

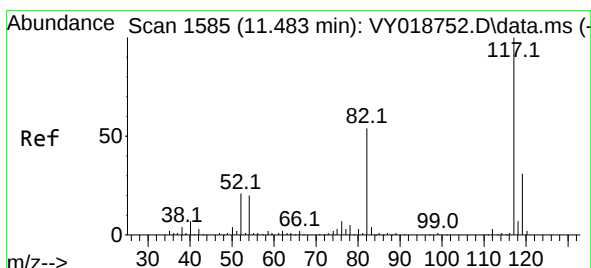
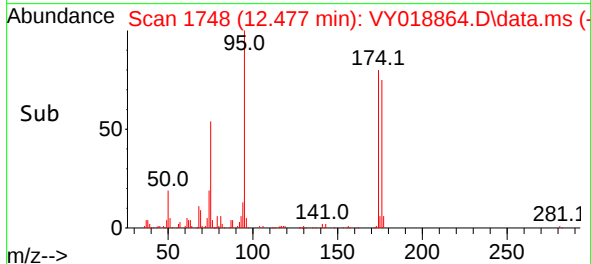
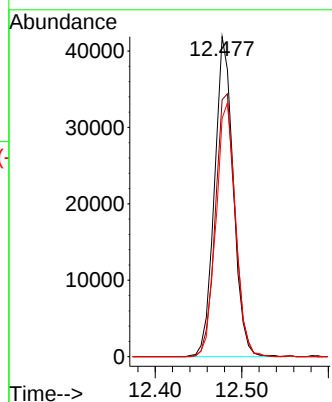
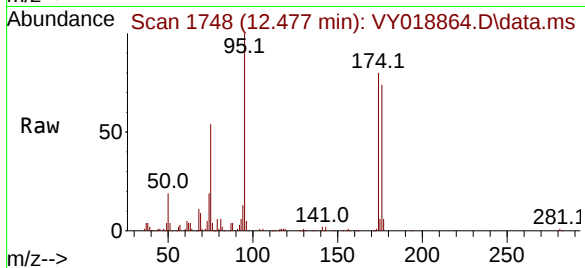




#62
4-Bromofluorobenzene
Concen: 47.360 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

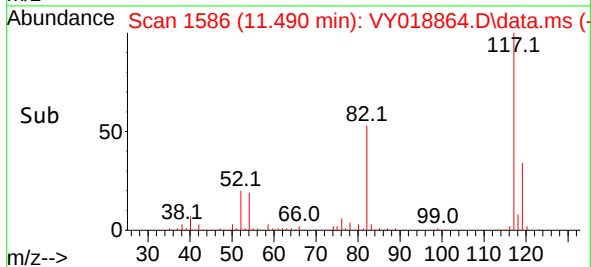
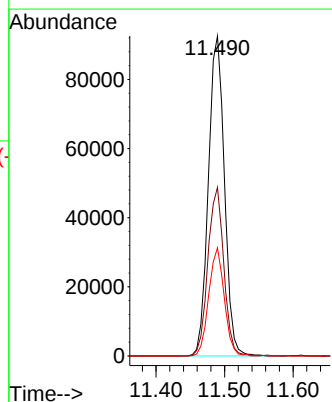
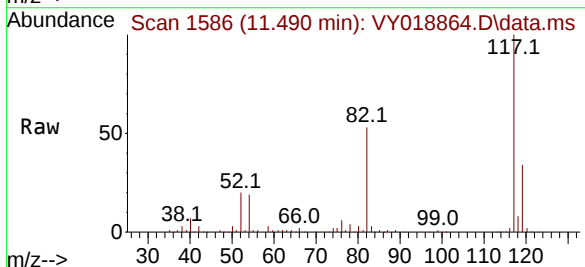
Instrument :
MSVOA_Y
ClientSampleId :

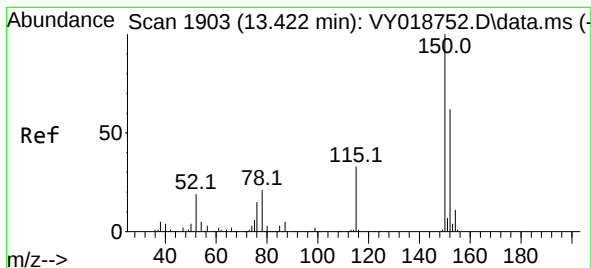
Tgt Ion: 95 Resp: 63144
Ion Ratio Lower Upper
95 100
174 86.1 0.0 175.6
176 82.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018864.D
Acq: 18 Jul 2024 14:55

Tgt Ion: 117 Resp: 150880
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 33.8 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: VY018864.D

Acq: 18 Jul 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

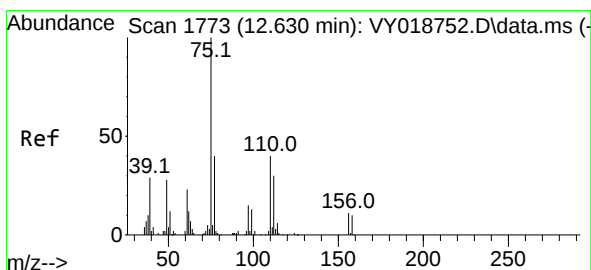
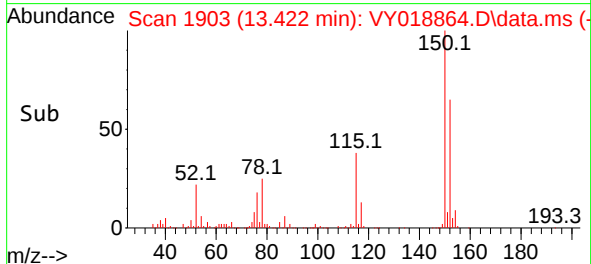
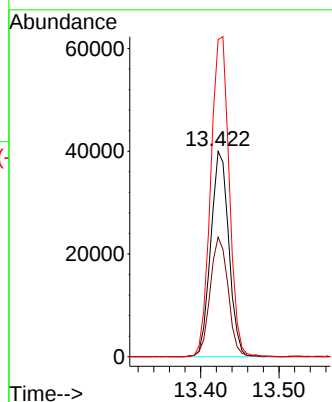
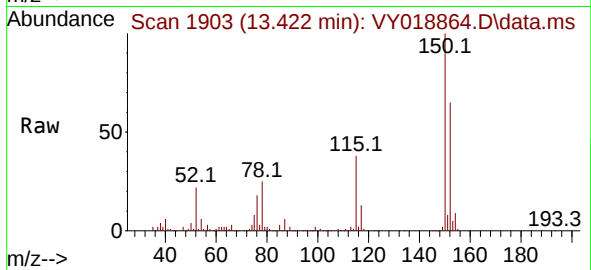
Tgt Ion:152 Resp: 63909

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 159.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 69.264 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018864.D

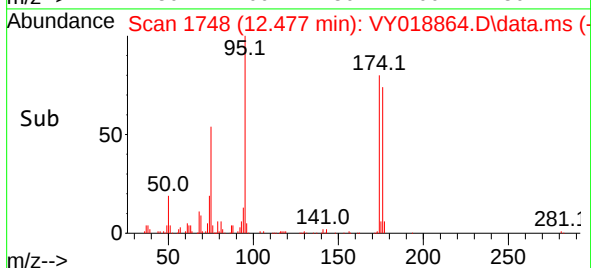
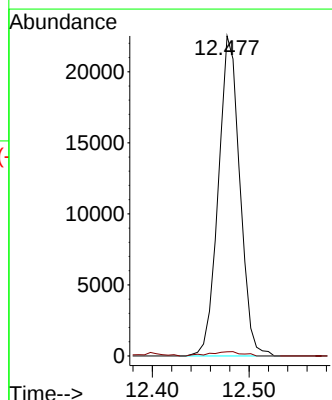
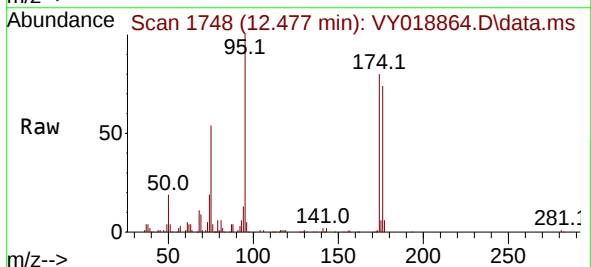
Acq: 18 Jul 2024 14:55

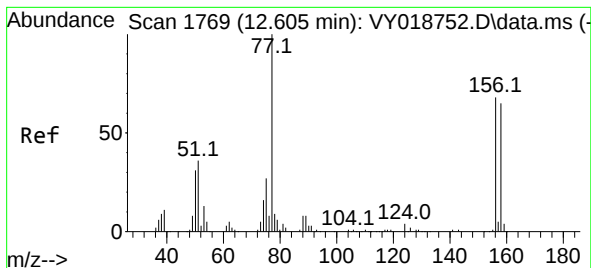
Tgt Ion: 75 Resp: 34670

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#





#77

Bromobenzene

Concen: 1.086 ug/l

RT: 12.453 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

Instrument :

MSVOA_Y

ClientSampleId :

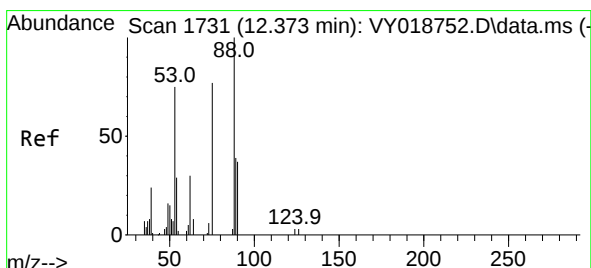
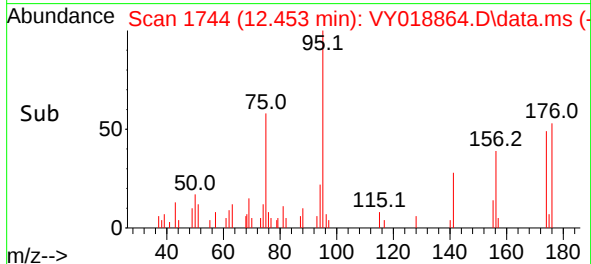
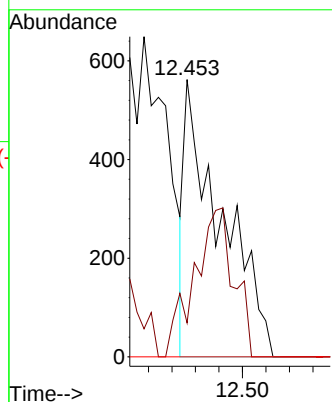
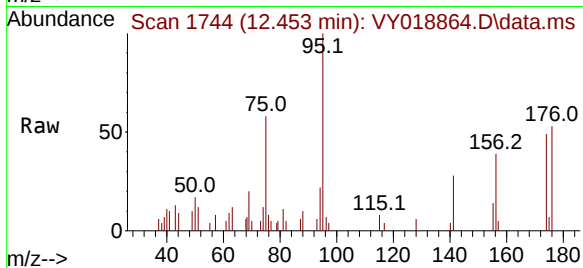
Tgt Ion:156 Resp: 1213

Ion Ratio Lower Upper

156 100

77 0.0 87.1 261.3#

158 0.0 48.6 145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.017 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY018864.D

Acq: 18 Jul 2024 14:55

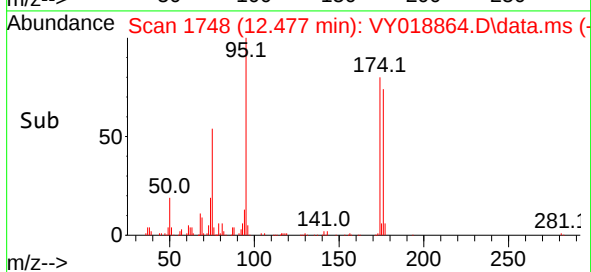
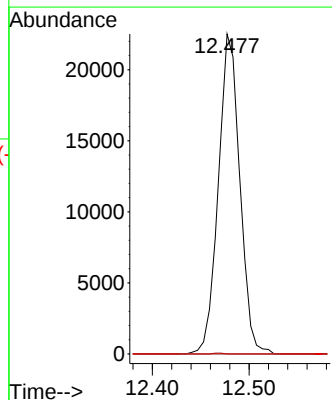
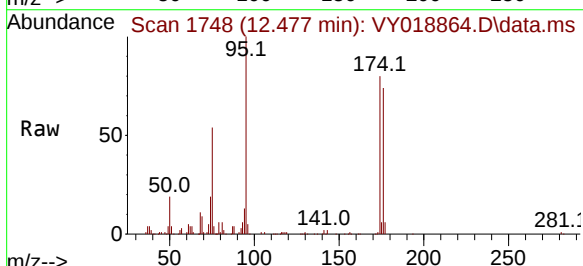
Tgt Ion: 75 Resp: 34670

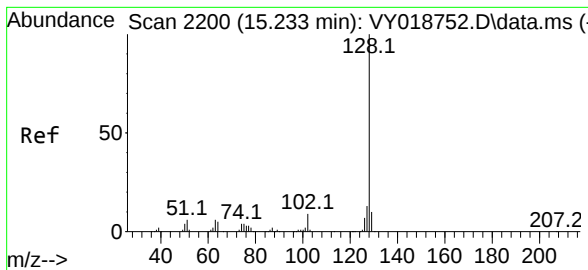
Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

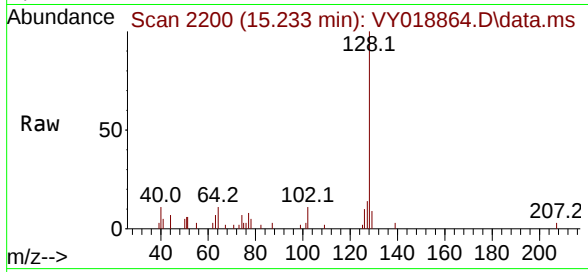
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 2.959 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY018864.D
 Acq: 18 Jul 2024 14:55

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	5871
Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.6	16.0#
129	10.2	8.6	13.0

