

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071724\
 Data File : VY018856.D
 Acq On : 17 Jul 2024 19:01
 Operator : SY/MD
 Sample : P3224-25
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 18 01:31:41 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)

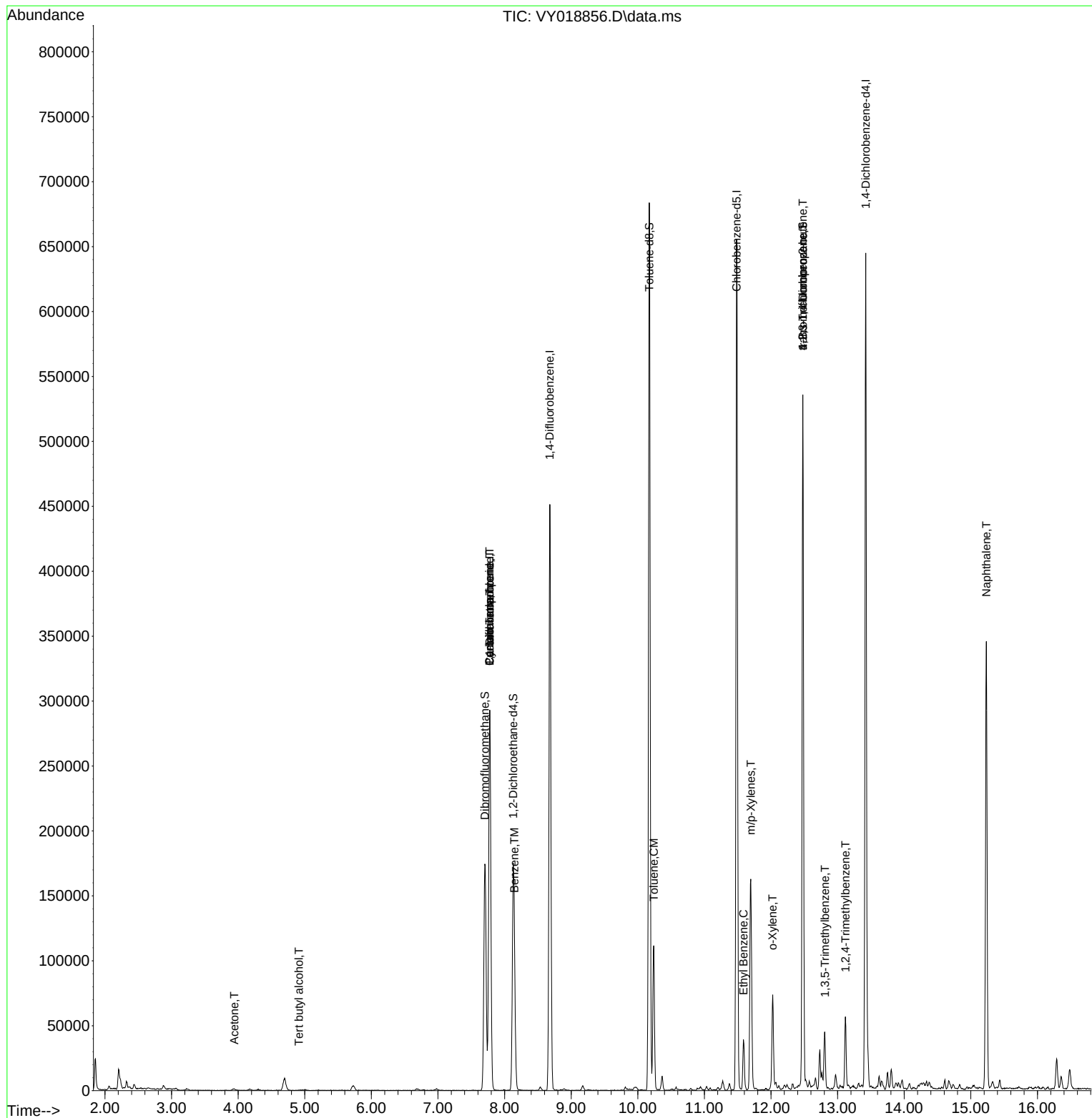
Internal Standards						
1) Pentafluorobenzene	7.777	168	228215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	392441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	361570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	160233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	115531	51.446	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.900%	
35) Dibromofluoromethane	7.703	113	121964	49.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.240%	
50) Toluene-d8	10.172	98	440341	47.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.580%	
62) 4-Bromofluorobenzene	12.477	95	152210	47.863	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.720%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	399	1.754	ug/l #	88
16) Acetone	3.942	43	2079	5.022	ug/l #	79
20) Methylene Chloride	4.698	84	6498	Below Cal	#	89
31) Cyclohexane	7.777	56	5144	1.491	ug/l #	34
36) 1,1-Dichloropropene	7.777	75	16229	4.784	ug/l #	48
38) Carbon Tetrachloride	7.777	117	22281	5.454	ug/l #	15
40) Benzene	8.148	78	48109	4.889	ug/l	96
52) Toluene	10.240	92	47544	7.270	ug/l	95
67) Ethyl Benzene	11.587	91	26048	1.949	ug/l	100
68) m/p-Xylenes	11.697	106	48249	9.202	ug/l	99
69) o-Xylene	12.026	106	19045	3.863	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	83977	66.915	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	12022	1.253	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.477	75	83977	149.760	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	29874	3.133	ug/l	99
95) Naphthalene	15.233	128	277504	55.792	ug/l	100

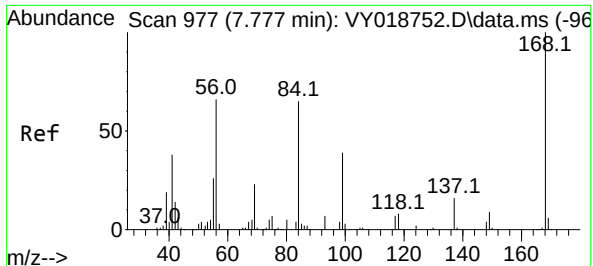
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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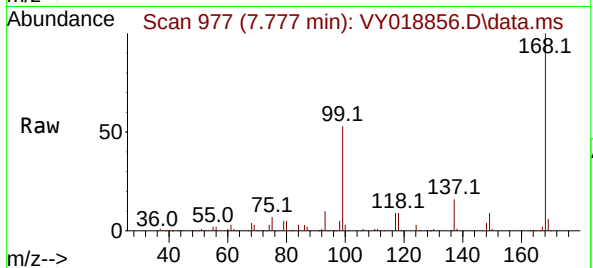
Quant Time: Jul 18 01:31:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 14:28:51 2024
Response via : Initial Calibration



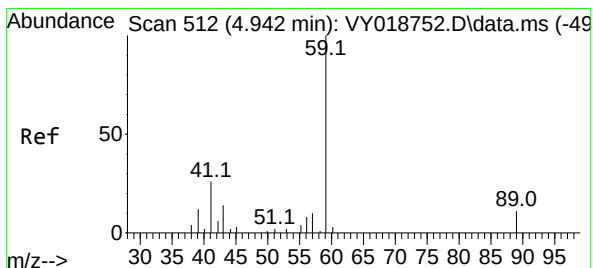
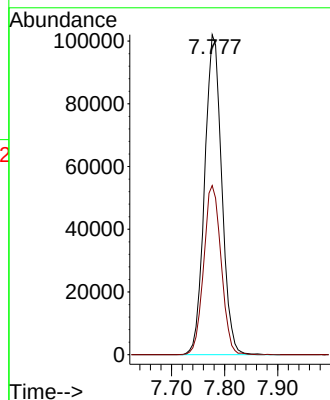
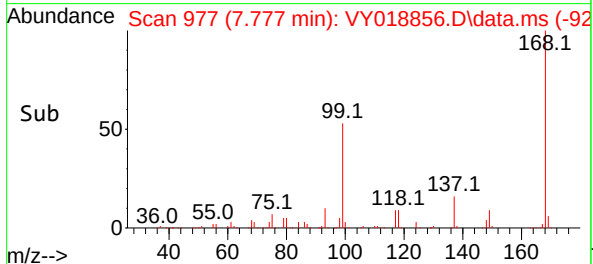


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :

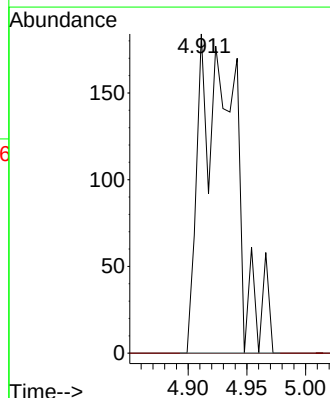
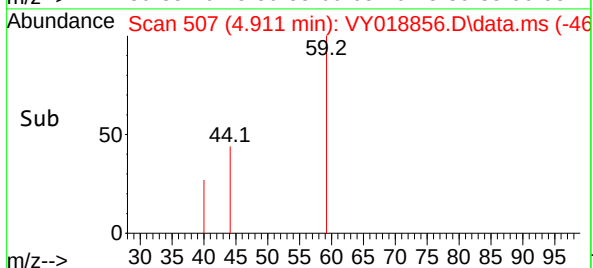
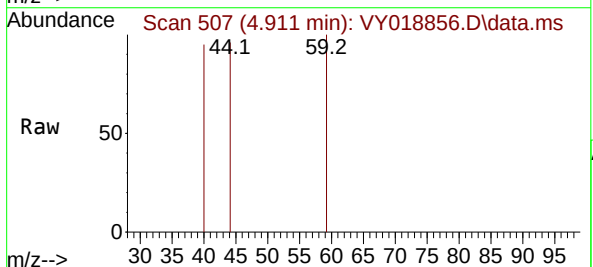


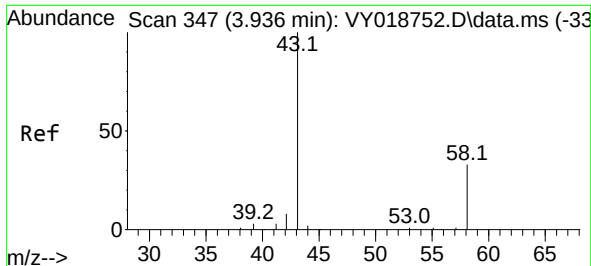
Tgt Ion:168 Resp: 228215
Ion Ratio Lower Upper
168 100
99 52.8 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.754 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.031 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

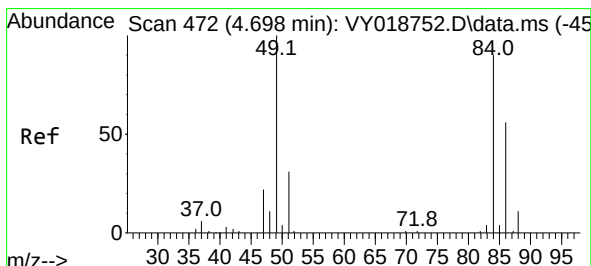
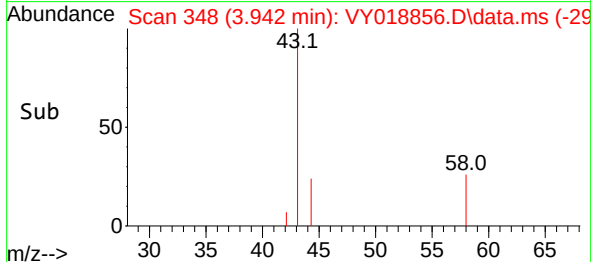
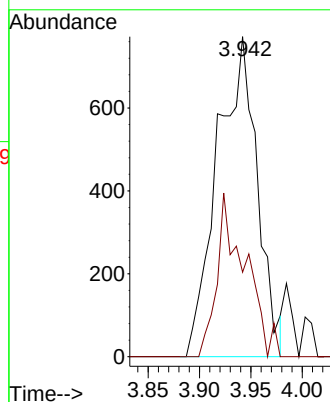
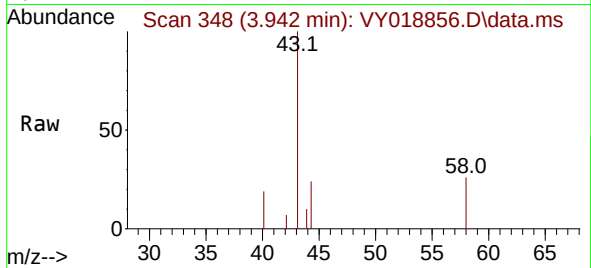




#16
Acetone
Concen: 5.022 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

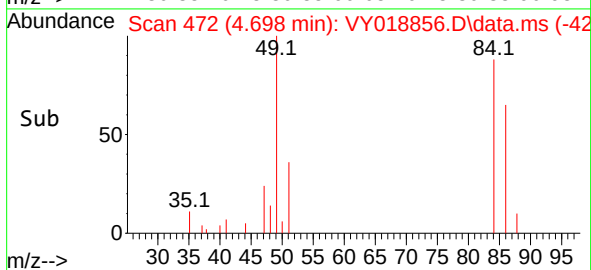
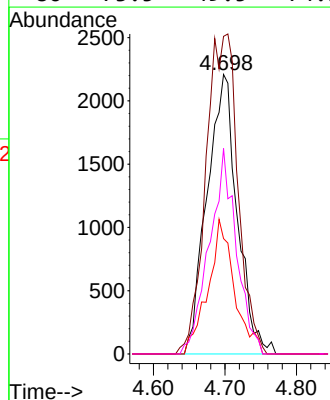
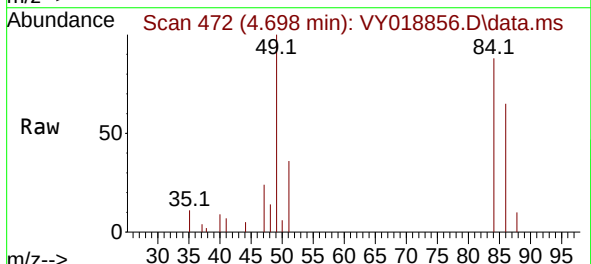
Instrument :
MSVOA_Y
ClientSampleId :

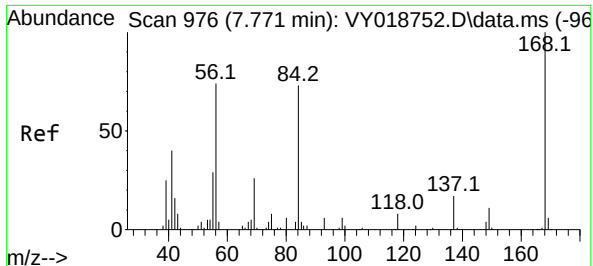
Tgt Ion: 43 Resp: 2079
Ion Ratio Lower Upper
43 100
58 26.4 31.7 47.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

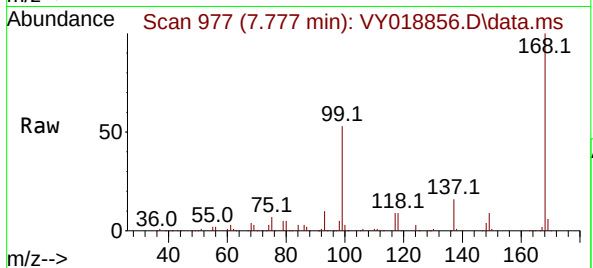
Tgt Ion: 84 Resp: 6498
Ion Ratio Lower Upper
84 100
49 113.6 84.4 126.6
51 41.3 26.0 39.0#
86 73.5 49.5 74.3



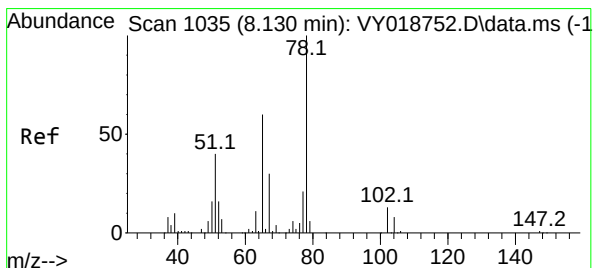
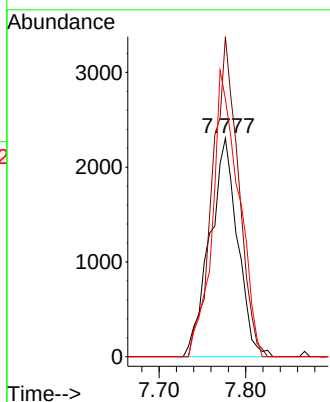
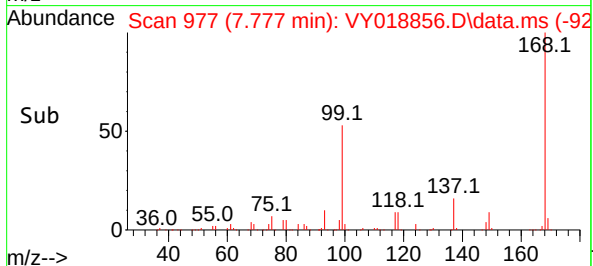


#31
Cyclohexane
Concen: 1.491 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :

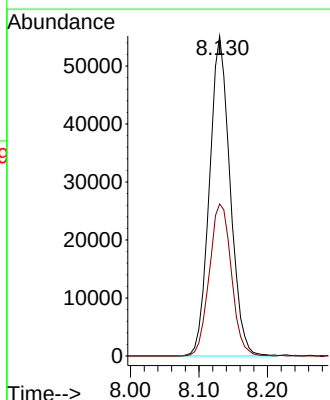
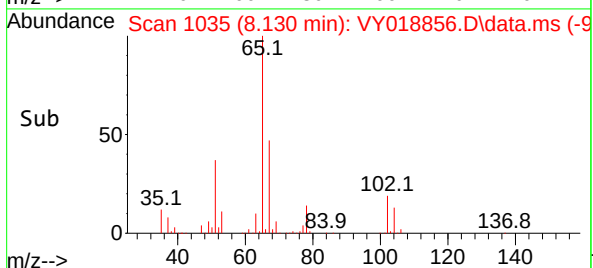
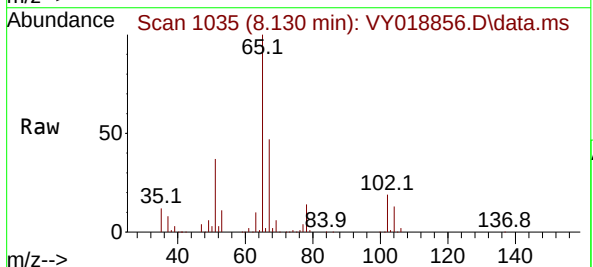


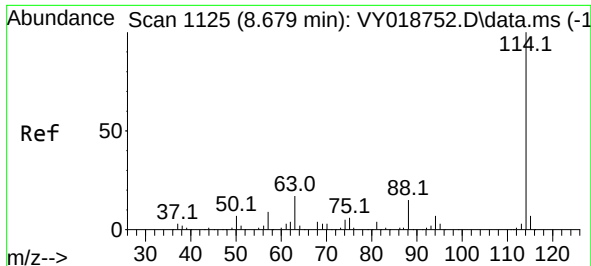
Tgt Ion: 56 Resp: 5144
Ion Ratio Lower Upper
56 100
69 146.5 28.7 43.1#
84 117.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.446 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion: 65 Resp: 115531
Ion Ratio Lower Upper
65 100
67 50.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018856.D

Acq: 17 Jul 2024 19:01

Instrument :

MSVOA_Y

ClientSampleId :

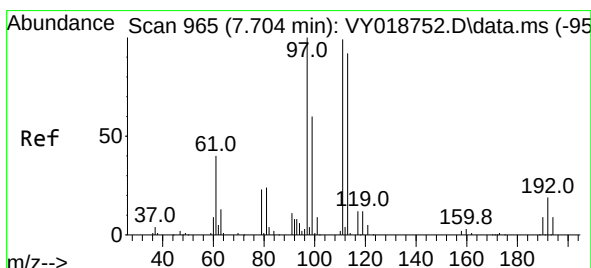
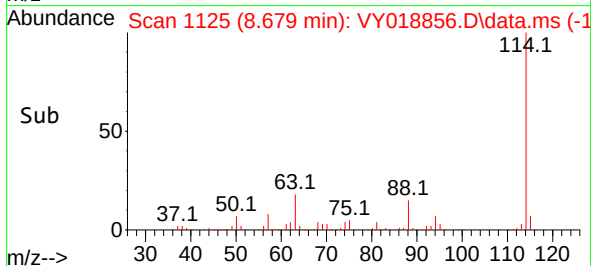
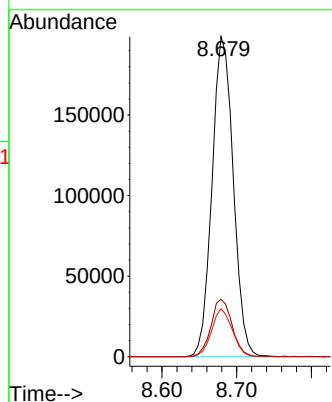
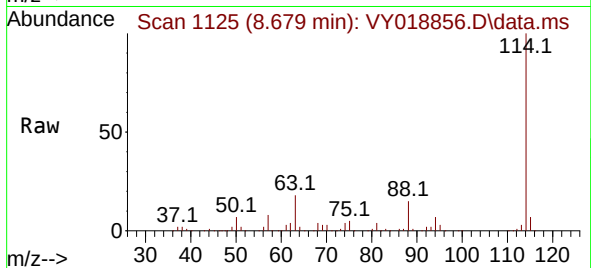
Tgt Ion:114 Resp: 392441

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 15.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.620 ug/l

RT: 7.703 min Scan# 965

Delta R.T. -0.000 min

Lab File: VY018856.D

Acq: 17 Jul 2024 19:01

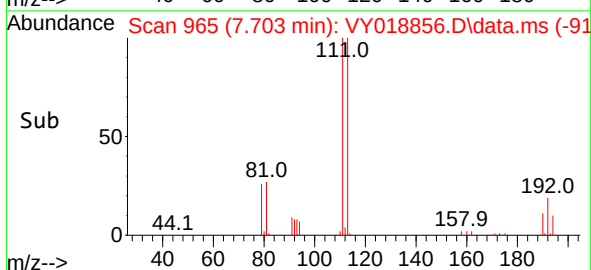
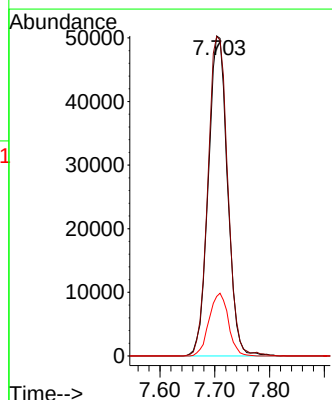
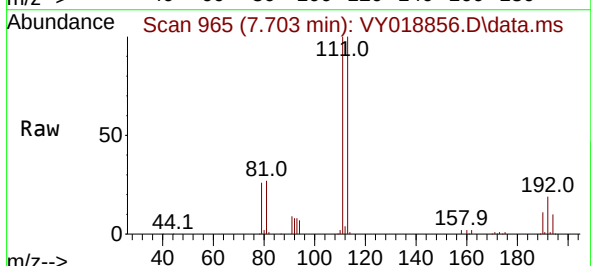
Tgt Ion:113 Resp: 121964

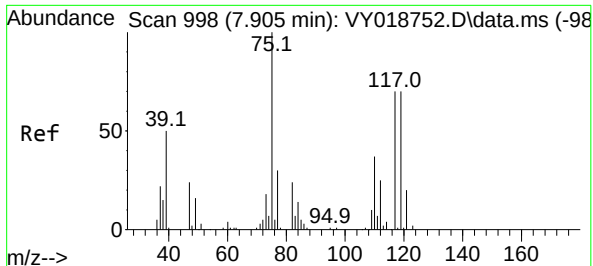
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 19.7 15.9 23.9

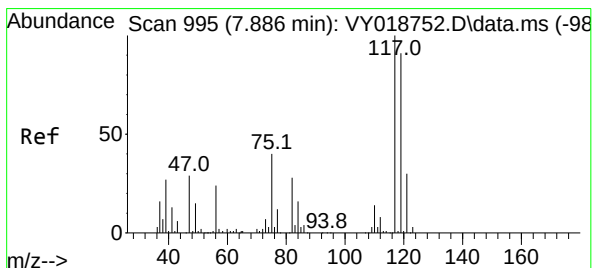
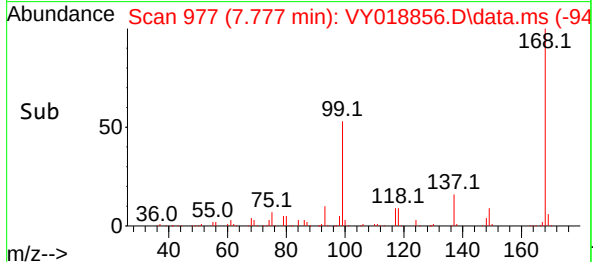
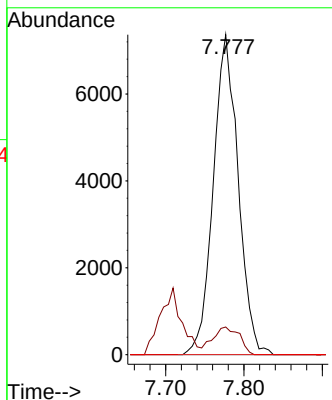
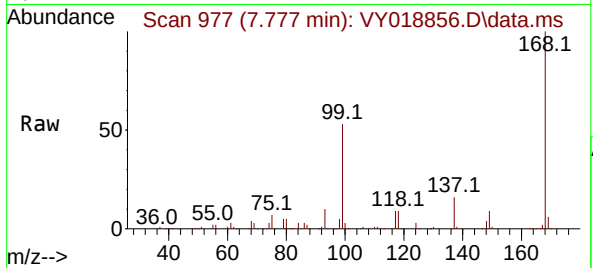




#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

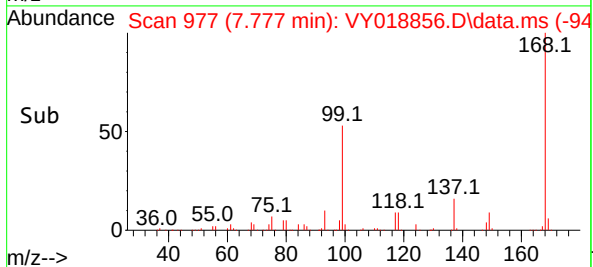
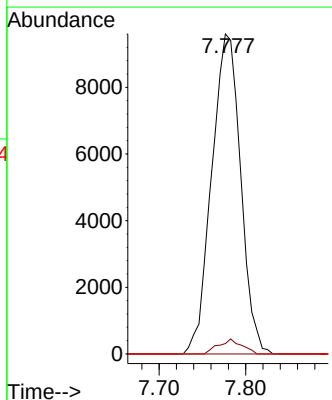
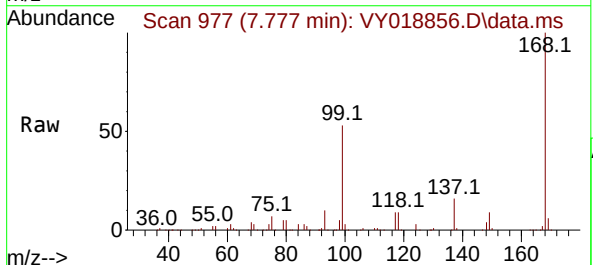
Instrument :
MSVOA_Y
ClientSampleId :

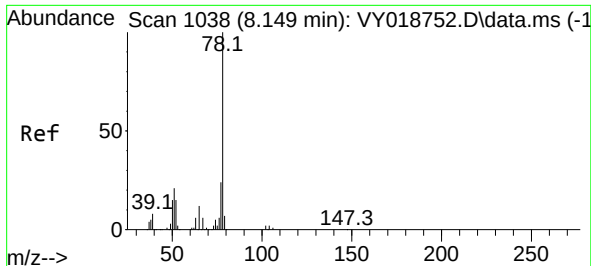
Tgt Ion: 75 Resp: 16229
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.110 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion:117 Resp: 22281
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#

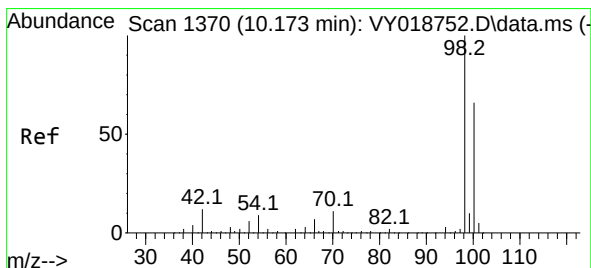
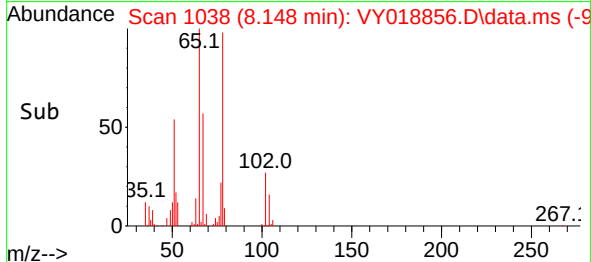
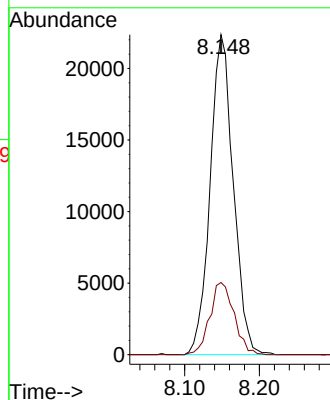
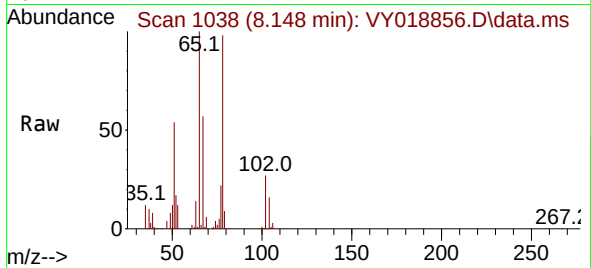




#40
Benzene
Concen: 4.889 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.001 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

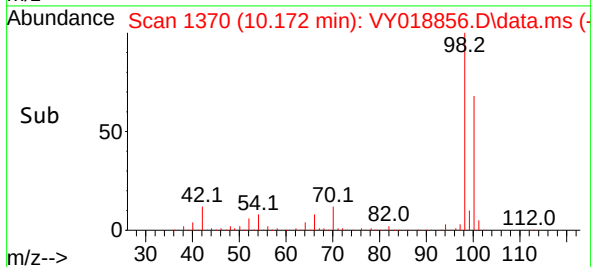
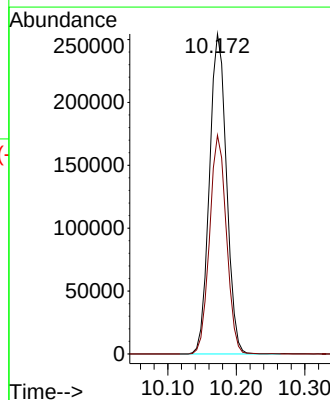
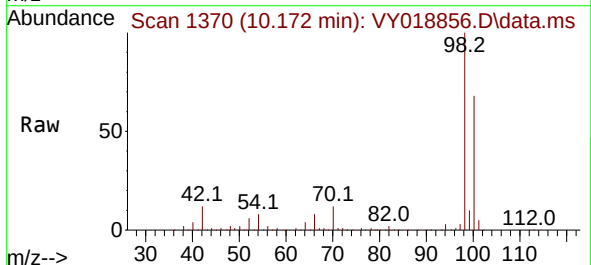
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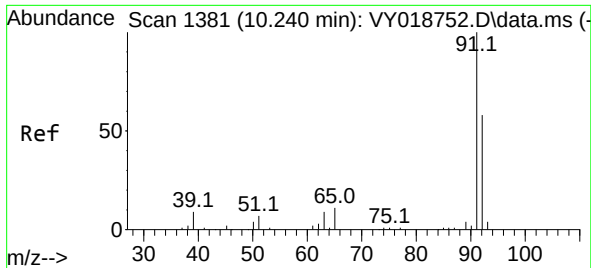
Tgt Ion: 78 Resp: 48109
Ion Ratio Lower Upper
78 100
77 22.5 19.5 29.3



#50
Toluene-d8
Concen: 47.287 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

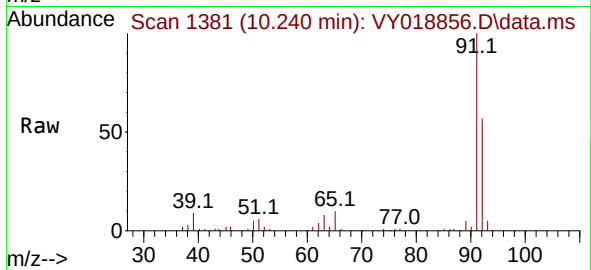
Tgt Ion: 98 Resp: 440341
Ion Ratio Lower Upper
98 100
100 67.3 52.0 78.0



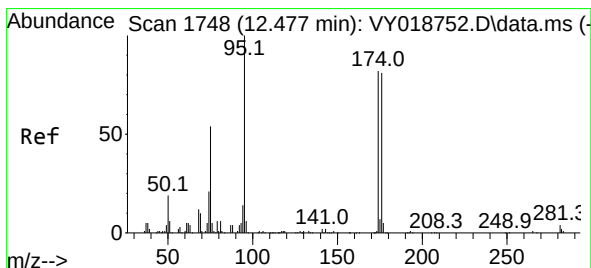
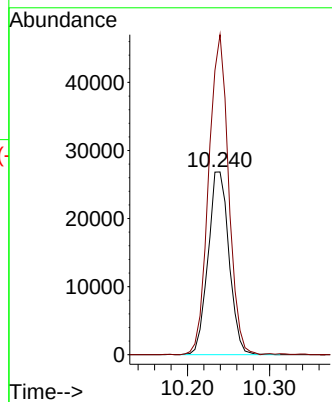
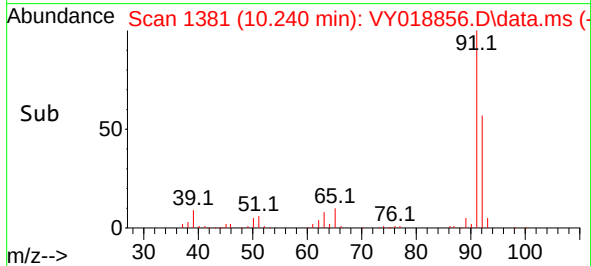


#52
Toluene
Concen: 7.270 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :

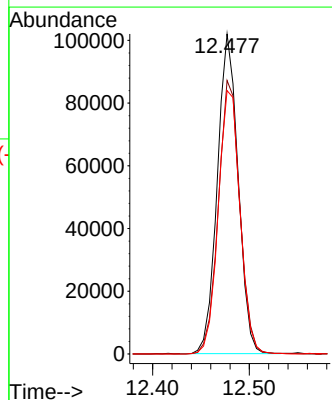
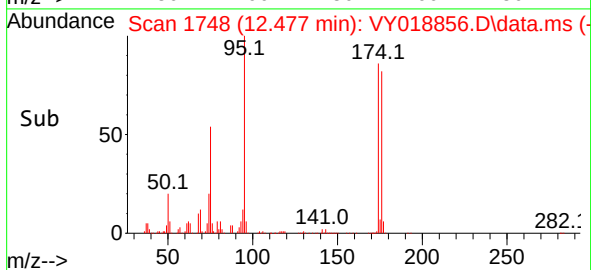
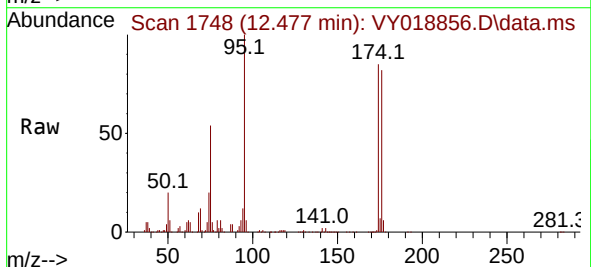


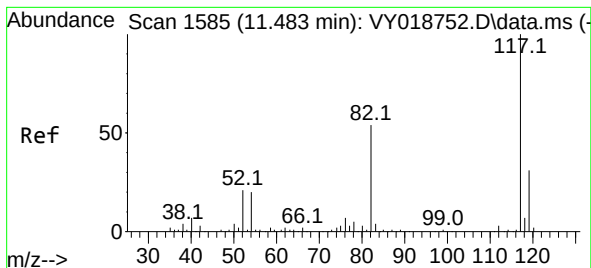
Tgt Ion: 92 Resp: 47544
Ion Ratio Lower Upper
92 100
91 166.4 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 47.863 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion: 95 Resp: 152210
Ion Ratio Lower Upper
95 100
174 88.0 0.0 175.6
176 86.3 0.0 171.4

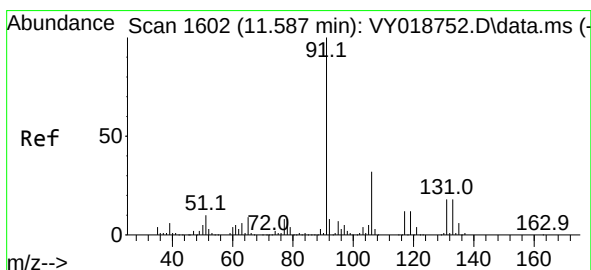
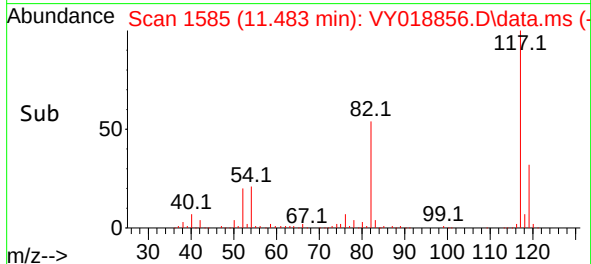
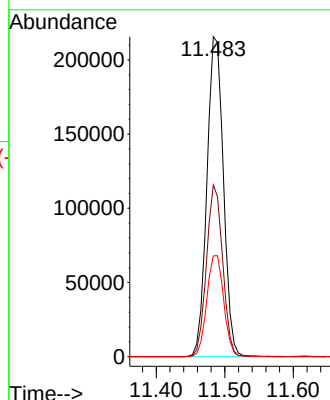
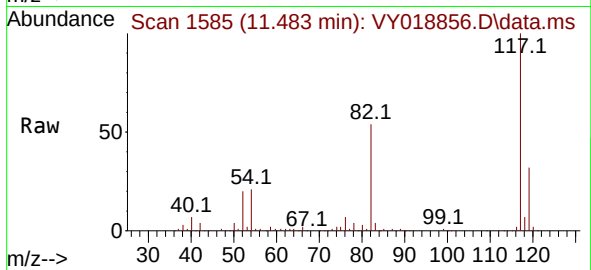




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

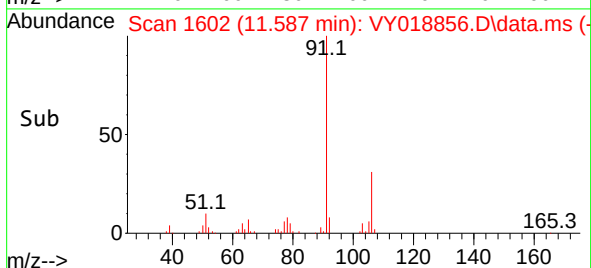
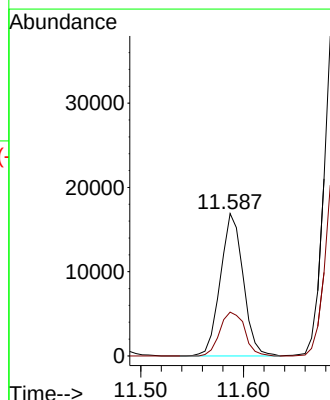
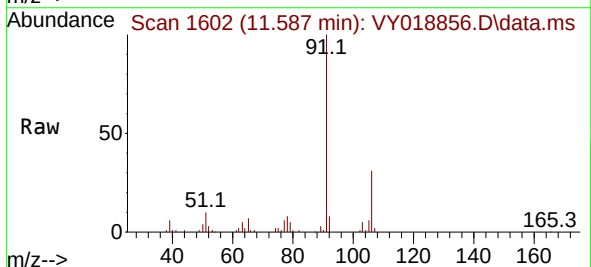
Instrument :
MSVOA_Y
ClientSampleId :

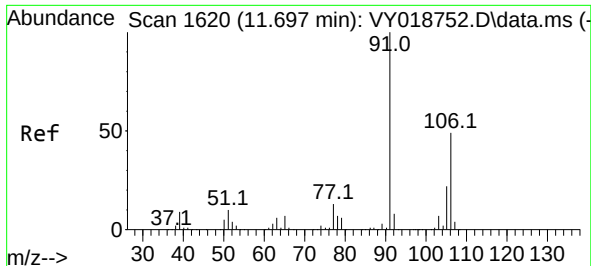
Tgt Ion:117 Resp: 361570
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 31.5 25.9 38.9



#67
Ethyl Benzene
Concen: 1.949 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion: 91 Resp: 26048
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7

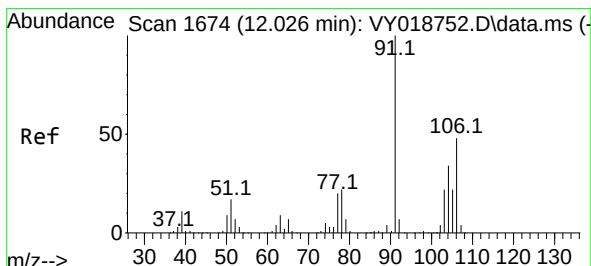
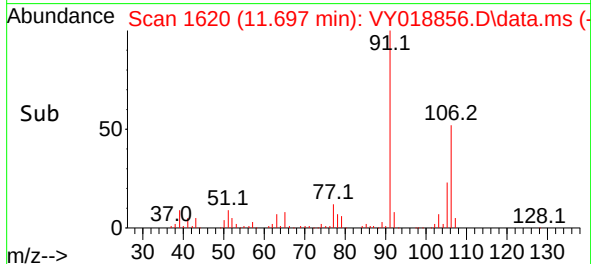
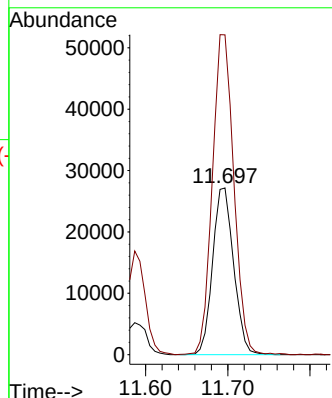
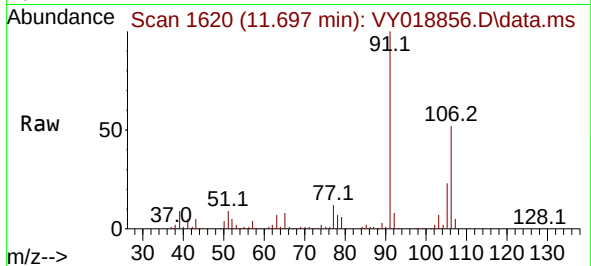




#68
m/p-Xylenes
Concen: 9.202 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

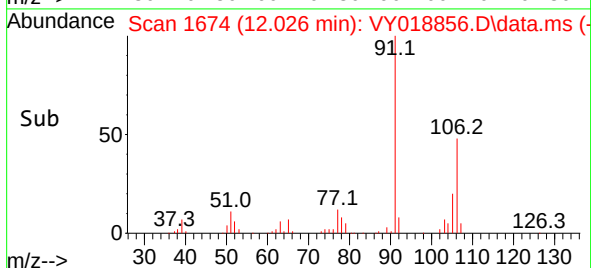
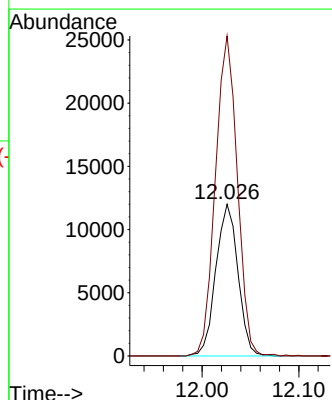
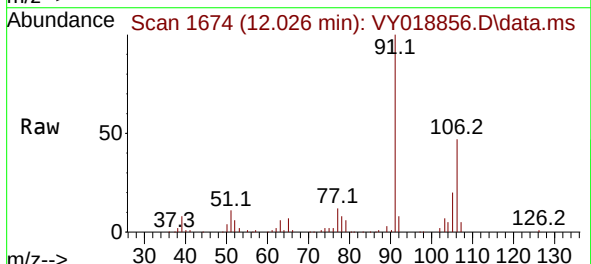
Instrument :
MSVOA_Y
ClientSampleId :

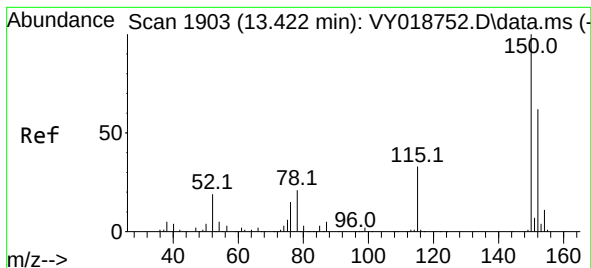
Tgt Ion:106 Resp: 48249
Ion Ratio Lower Upper
106 100
91 196.4 156.0 234.0



#69
o-Xylene
Concen: 3.863 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion:106 Resp: 19045
Ion Ratio Lower Upper
106 100
91 209.2 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018856.D

Acq: 17 Jul 2024 19:01

Instrument :

MSVOA_Y

ClientSampleId :

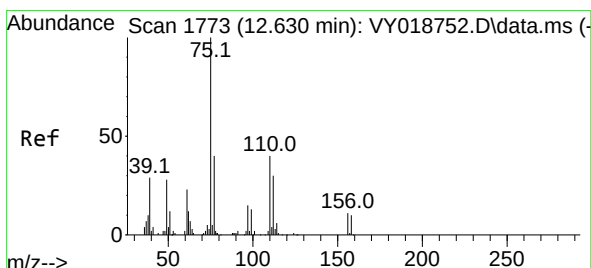
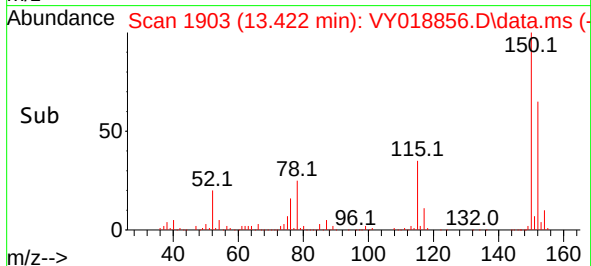
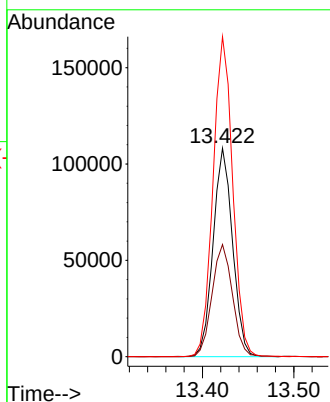
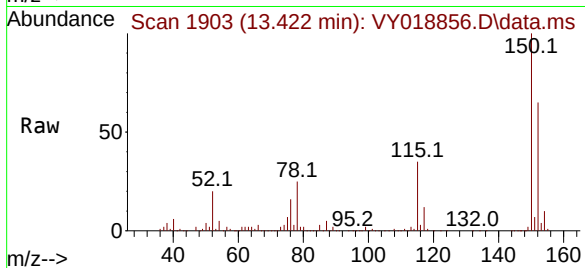
Tgt Ion:152 Resp: 160233

Ion Ratio Lower Upper

152 100

115 56.5 28.2 84.7

150 155.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.915 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018856.D

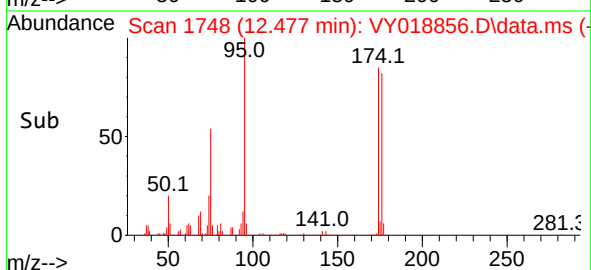
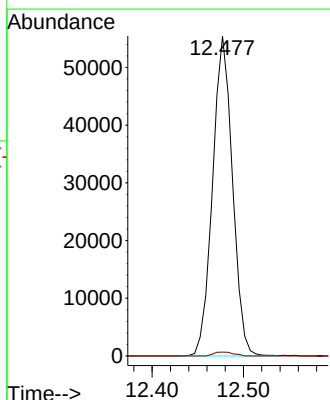
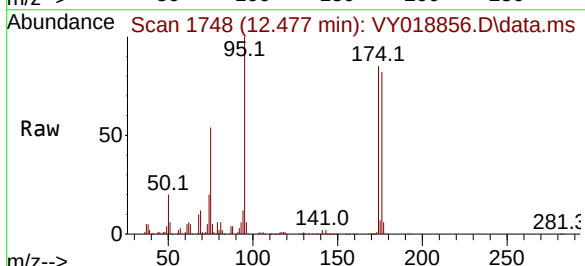
Acq: 17 Jul 2024 19:01

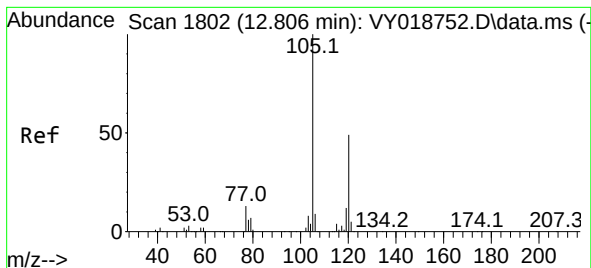
Tgt Ion: 75 Resp: 83977

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.253 ug/l

RT: 12.812 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018856.D

Acq: 17 Jul 2024 19:01

Instrument :

MSVOA_Y

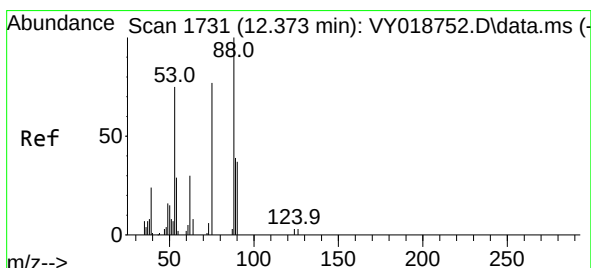
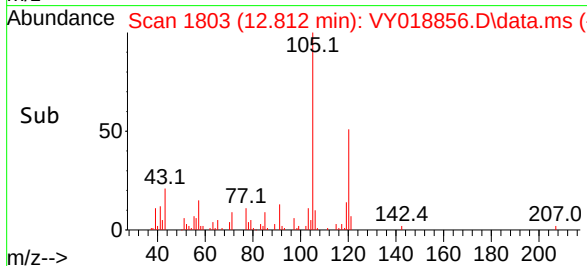
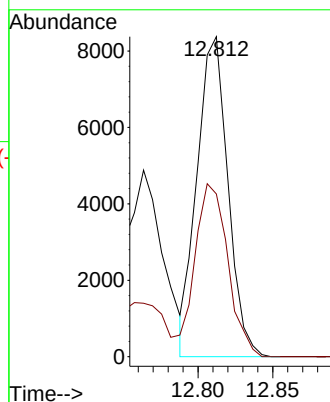
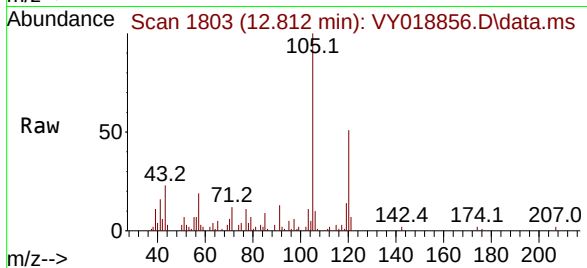
ClientSampleId :

Tgt Ion:105 Resp: 12022

Ion Ratio Lower Upper

105 100

120 58.3 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 149.760 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.103 min

Lab File: VY018856.D

Acq: 17 Jul 2024 19:01

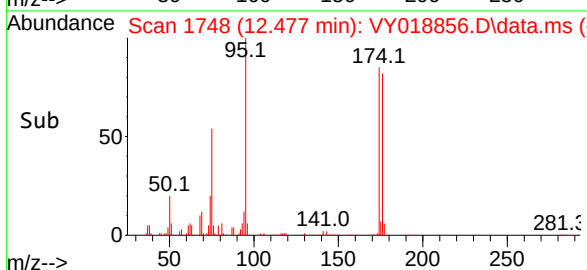
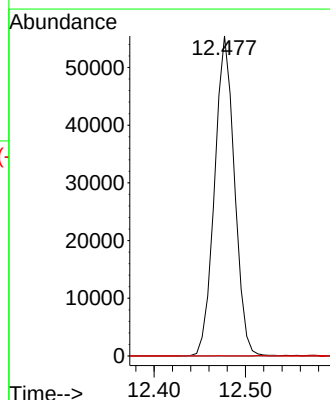
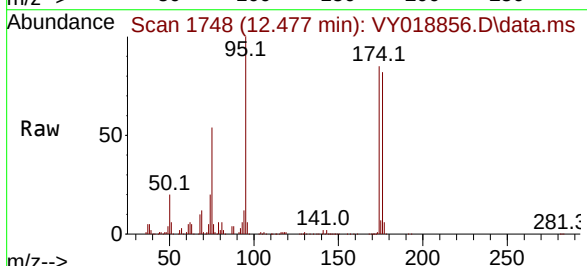
Tgt Ion: 75 Resp: 83977

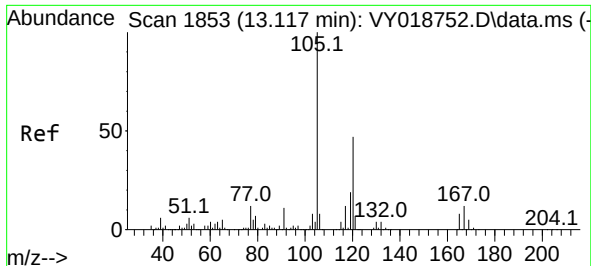
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

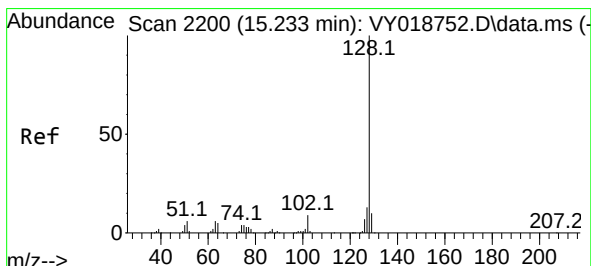
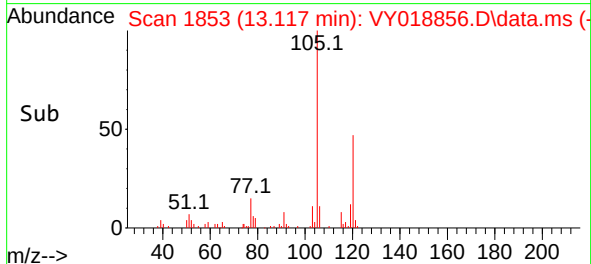
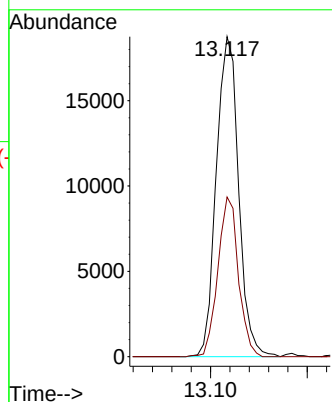
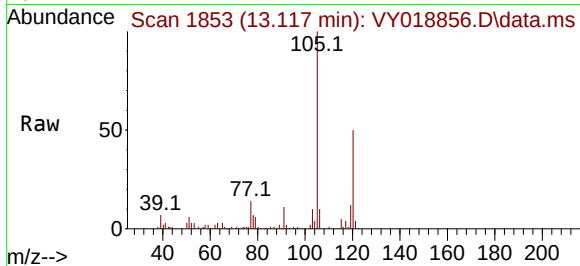




#84
1,2,4-Trimethylbenzene
Concen: 3.133 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 29874
Ion Ratio Lower Upper
105 100
120 46.0 23.2 69.6



#95
Naphthalene
Concen: 55.792 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY018856.D
Acq: 17 Jul 2024 19:01

Tgt Ion:128 Resp: 277504
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.0 8.6 13.0

