

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018837.D
 Acq On : 16 Jul 2024 17:25
 Operator : SY/MD
 Sample : P3224-09
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 17 01:58:50 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)

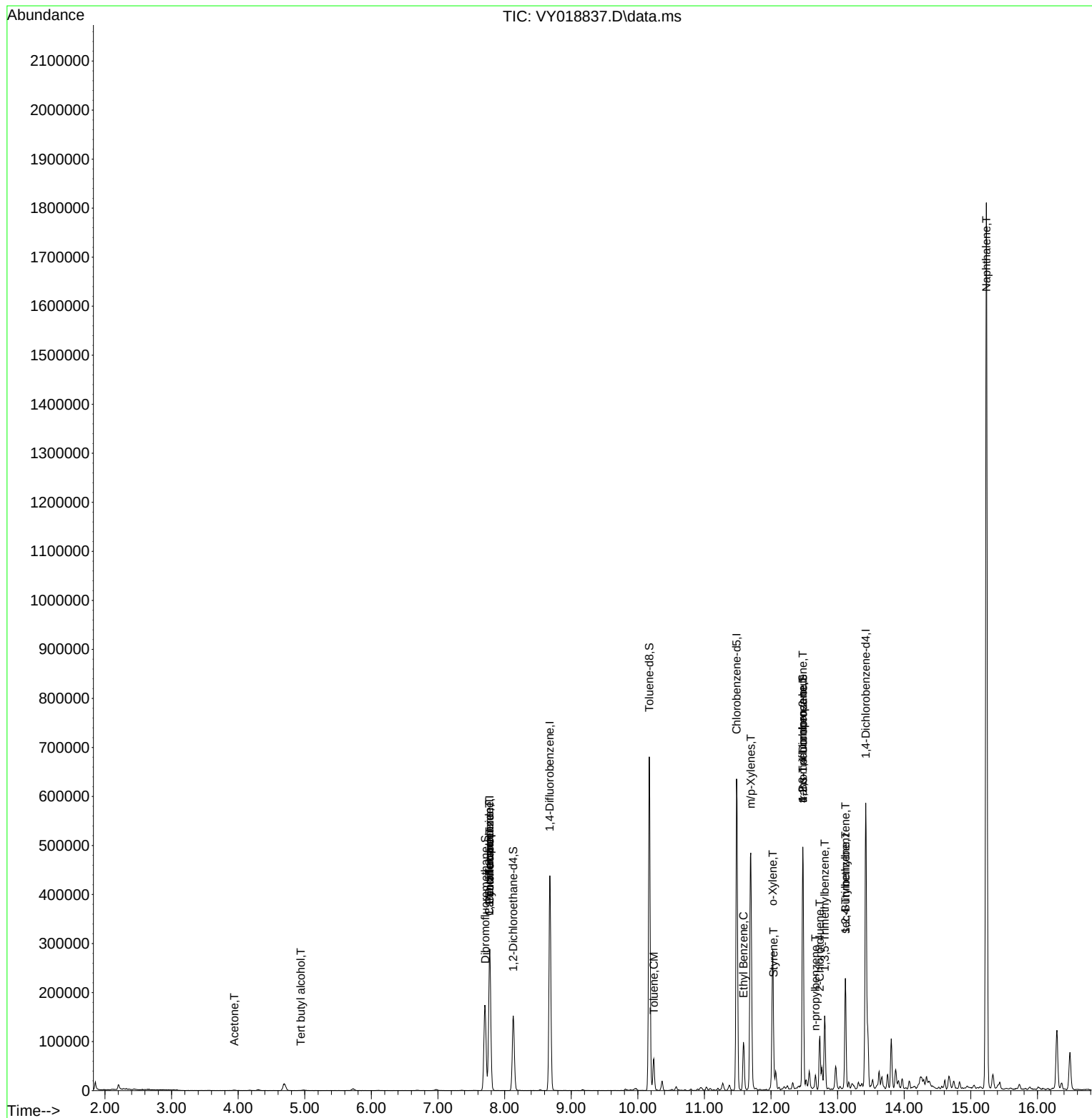
Internal Standards						
1) Pentafluorobenzene	7.777	168	223658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	379292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	349379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	111400	50.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.240%	
35) Dibromofluoromethane	7.709	113	117166	49.321	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.640%	
50) Toluene-d8	10.172	98	430226	47.802	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.600%	
62) 4-Bromofluorobenzene	12.477	95	145101	47.209	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	319	1.431	ug/l #	88
16) Acetone	3.942	43	2027	4.996	ug/l	93
20) Methylene Chloride	4.692	84	10432	Below Cal	#	87
31) Cyclohexane	7.777	56	4654	1.376	ug/l #	28
36) 1,1-Dichloropropene	7.770	75	16040	4.893	ug/l #	50
38) Carbon Tetrachloride	7.770	117	22003	5.572	ug/l #	15
52) Toluene	10.240	92	26717	4.227	ug/l	97
67) Ethyl Benzene	11.587	91	68264	5.287	ug/l	98
68) m/p-Xylenes	11.697	106	145911	28.798	ug/l	99
69) o-Xylene	12.026	106	74651	15.672	ug/l	100
70) Styrene	12.038	104	11673	1.469	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	80202	68.805	ug/l #	100
78) n-propylbenzene	12.666	91	21219	1.640	ug/l	96
79) 2-Chlorotoluene	12.733	91	9174	1.261	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.806	105	57307	6.430	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80202	153.990	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	117619	13.281	ug/l	98
85) sec-Butylbenzene	13.117	105	117619	10.071	ug/l #	56
95) Naphthalene	15.233	128	1435916	310.815	ug/l	99

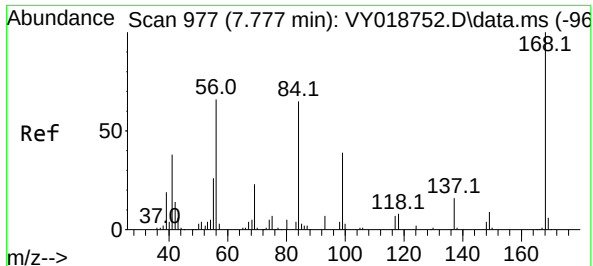
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 09 14:28:51 2024
Response via : Initial Calibration

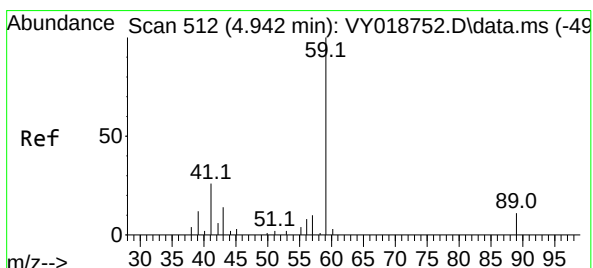
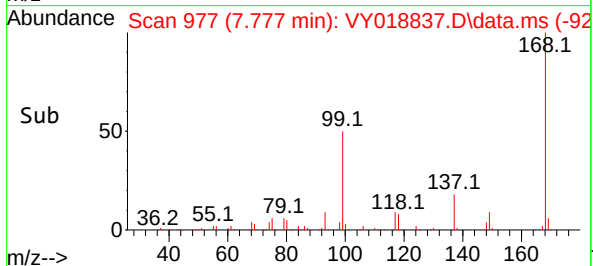
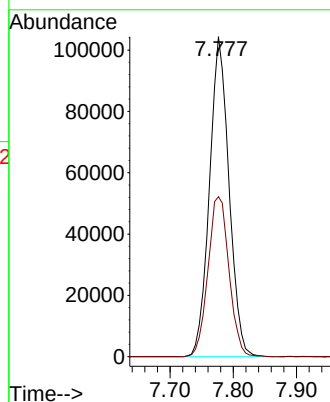
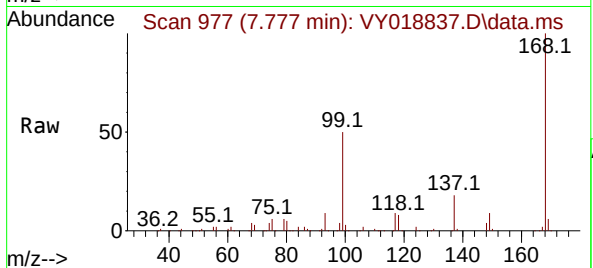




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

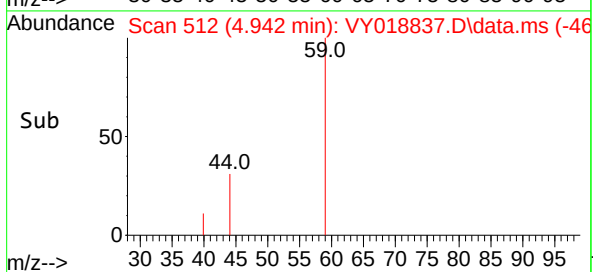
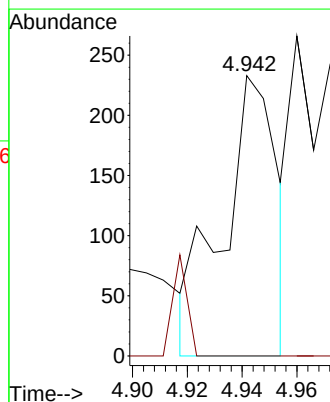
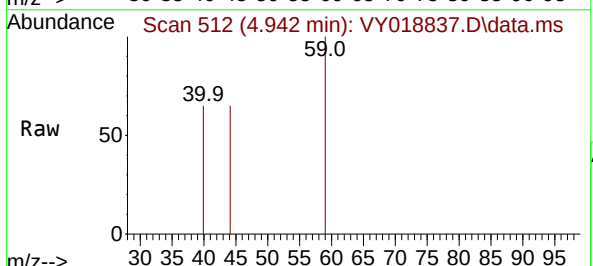
Instrument :
MSVOA_Y
ClientSampleId :

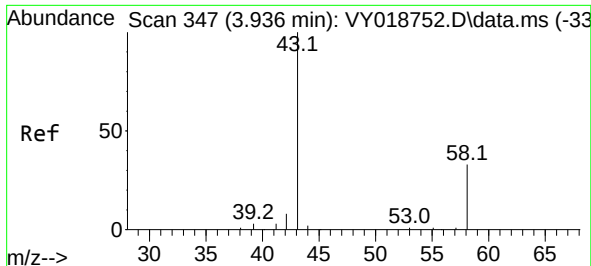
Tgt Ion:168 Resp: 223658
Ion Ratio Lower Upper
168 100
99 50.0 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.431 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 59 Resp: 319
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

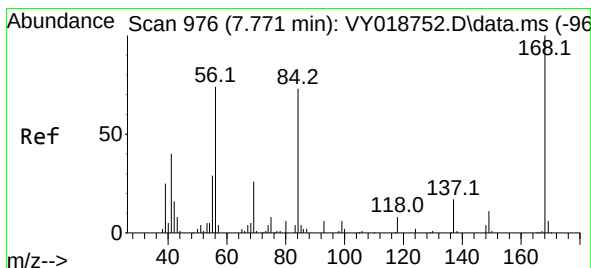
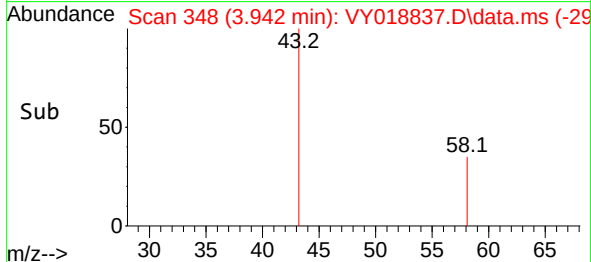
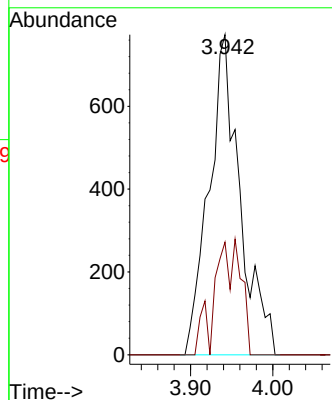
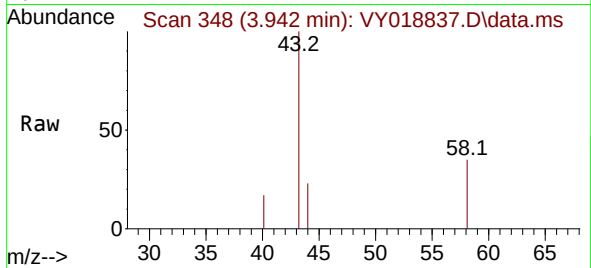




#16
Acetone
Concen: 4.996 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

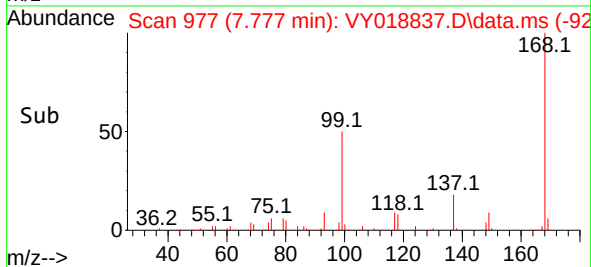
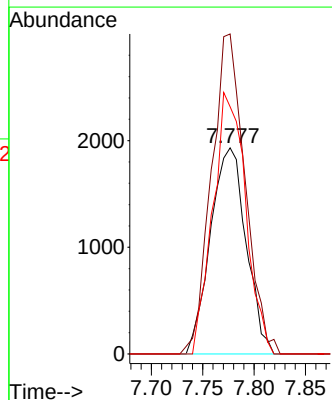
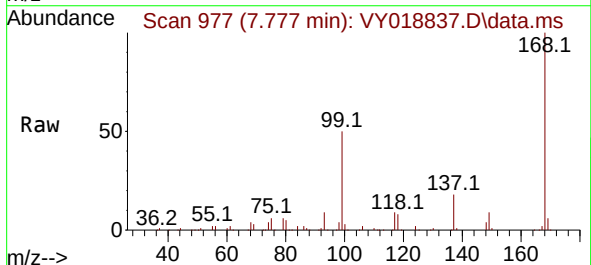
Instrument :
MSVOA_Y
ClientSampleId :

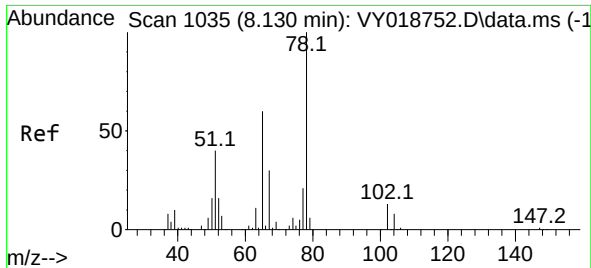
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 35.2 31.7 47.5



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.777 min Scan# 977
Delta R.T. 0.006 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 56 Resp: 4654
Ion Ratio Lower Upper
56 100
69 155.3 28.7 43.1#
84 119.9 77.7 116.5#

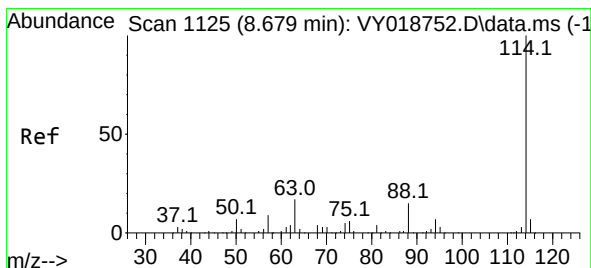
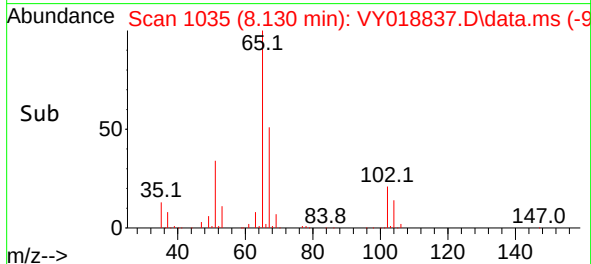
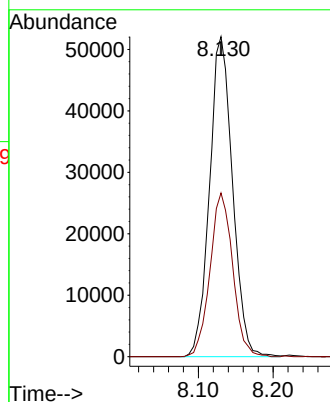
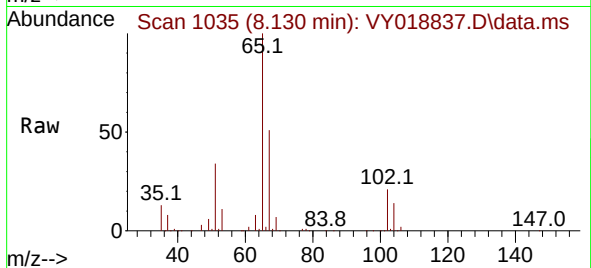




#33
 1,2-Dichloroethane-d4
 Concen: 50.617 ug/l
 RT: 8.130 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VY018837.D
 Acq: 16 Jul 2024 17:25

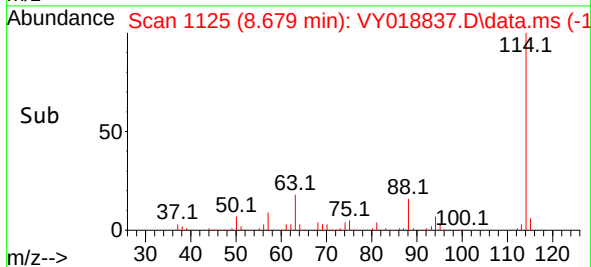
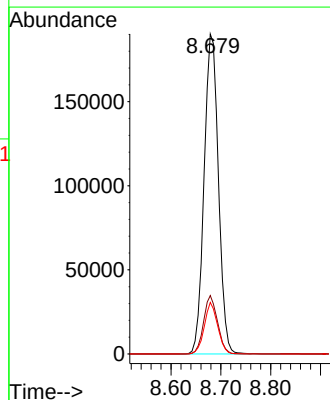
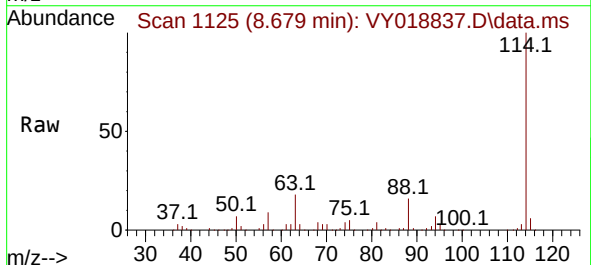
Instrument :
 MSVOA_Y
 ClientSampleId :

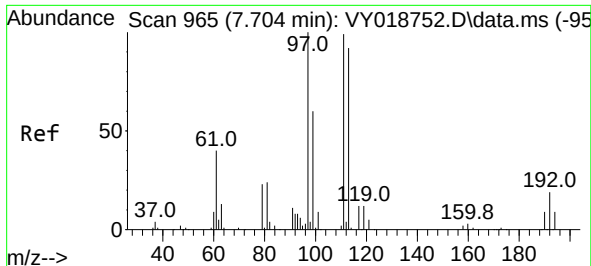
Tgt Ion: 65 Resp: 111400
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.679 min Scan# 1125
 Delta R.T. -0.000 min
 Lab File: VY018837.D
 Acq: 16 Jul 2024 17:25

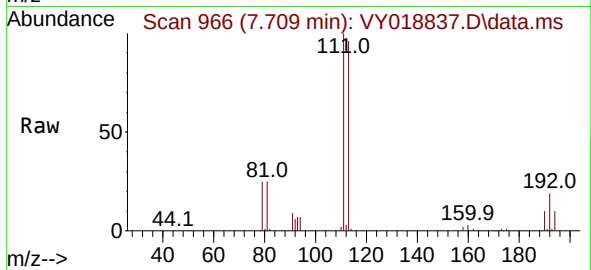
Tgt Ion: 114 Resp: 379292
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.0
 88 16.1 0.0 27.2



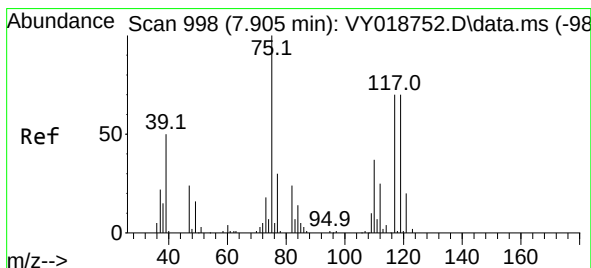
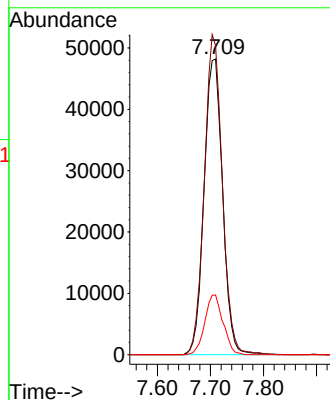
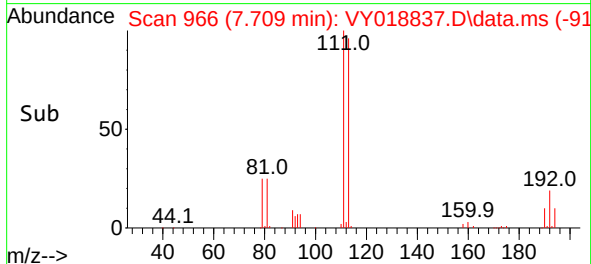


#35
Dibromofluoromethane
Concen: 49.321 ug/l
RT: 7.709 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Instrument :
MSVOA_Y
ClientSampleId :

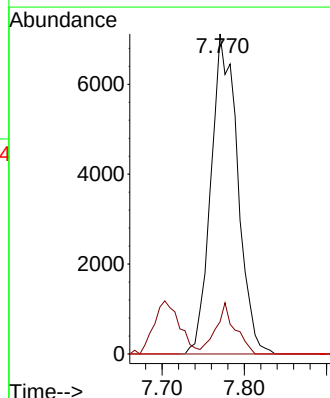
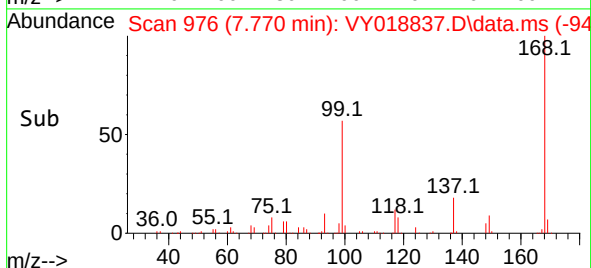
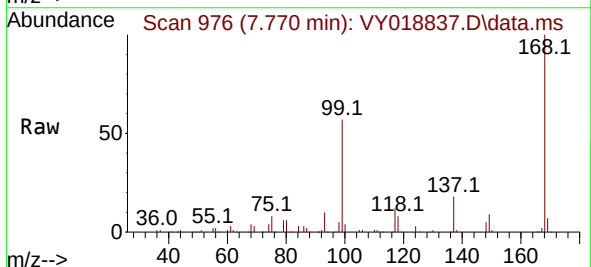


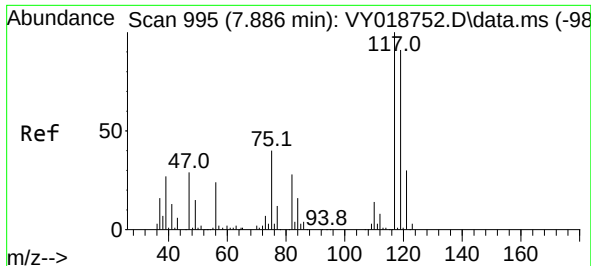
Tgt Ion:113 Resp: 117166
Ion Ratio Lower Upper
113 100
111 105.0 82.2 123.4
192 19.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 7.770 min Scan# 976
Delta R.T. -0.134 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

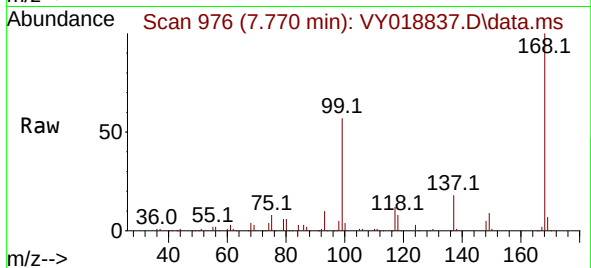
Tgt Ion: 75 Resp: 16040
Ion Ratio Lower Upper
75 100
110 11.5 19.0 57.0#
77 0.0 25.3 37.9#



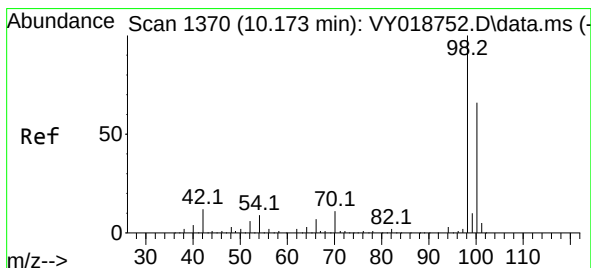
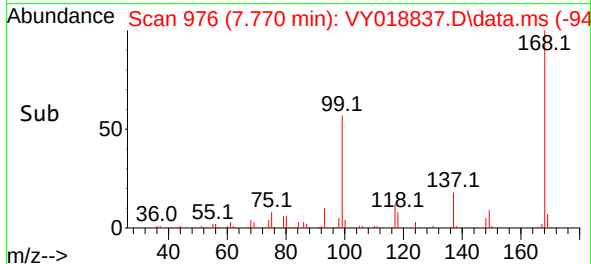
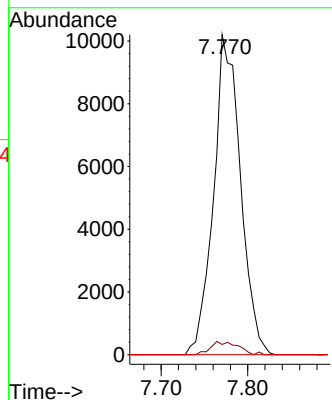


#38
Carbon Tetrachloride
Concen: 5.572 ug/l
RT: 7.770 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Instrument :
MSVOA_Y
ClientSampleId :

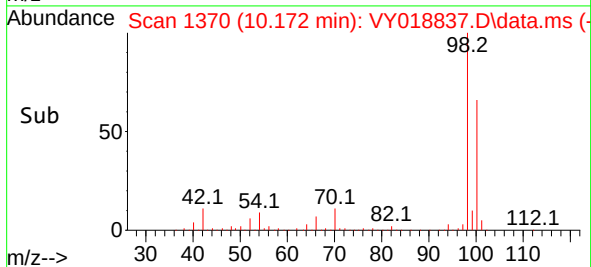
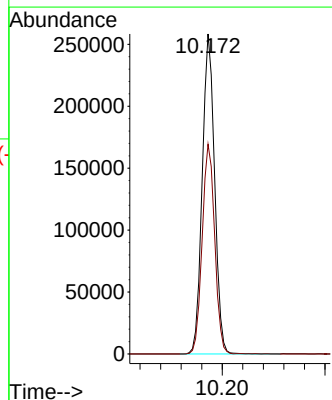
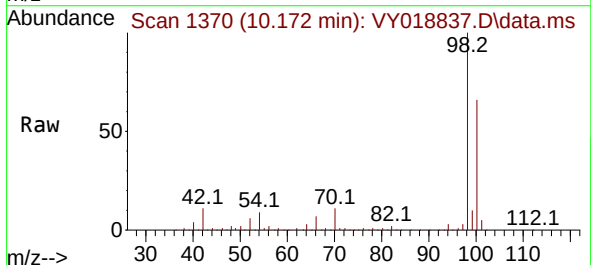


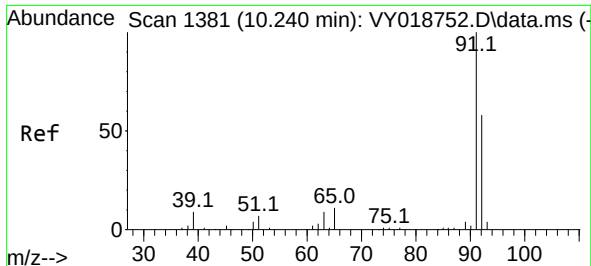
Tgt Ion:117 Resp: 22003
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.802 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

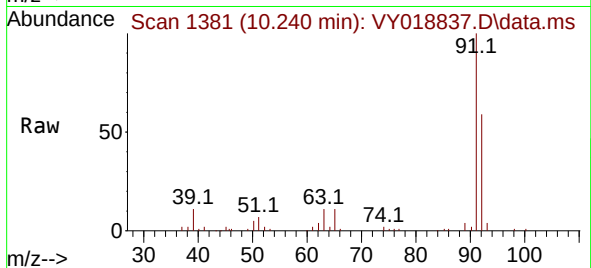
Tgt Ion: 98 Resp: 430226
Ion Ratio Lower Upper
98 100
100 66.3 52.0 78.0



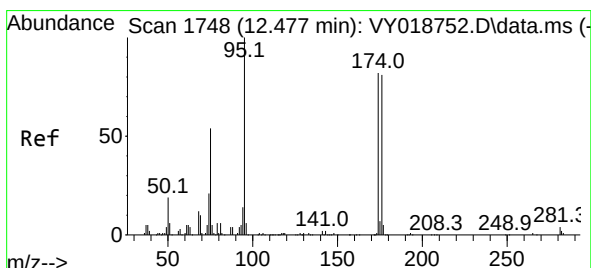
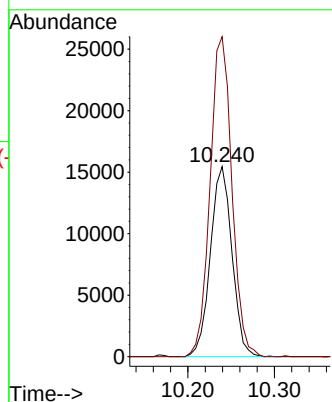
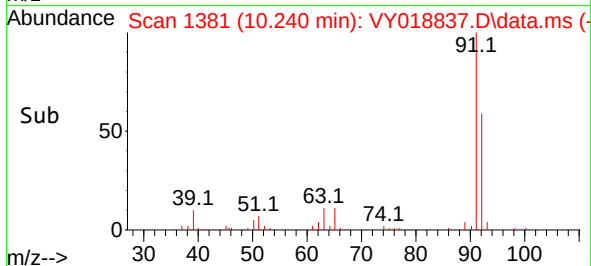


#52
Toluene
Concen: 4.227 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Instrument :
MSVOA_Y
ClientSampleId :

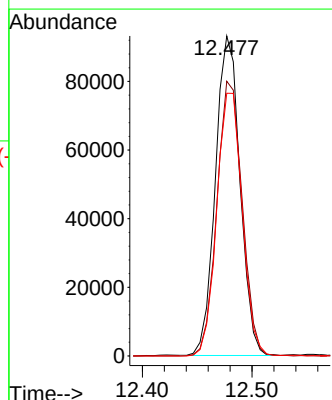
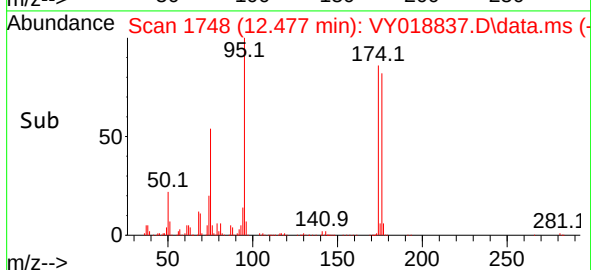
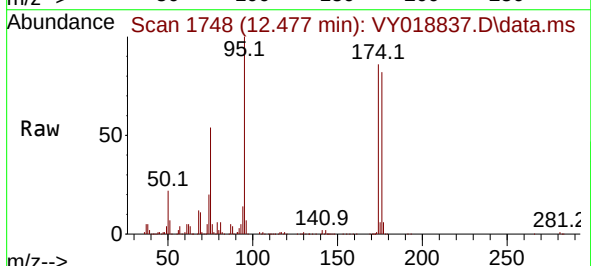


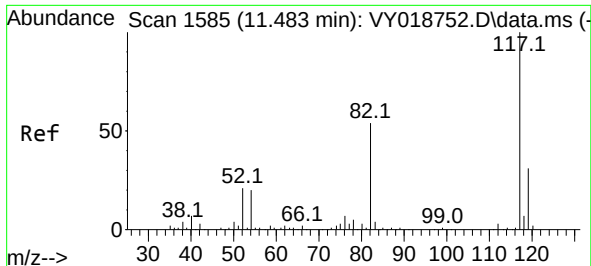
Tgt Ion: 92 Resp: 26717
Ion Ratio Lower Upper
92 100
91 170.3 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 47.209 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 95 Resp: 145101
Ion Ratio Lower Upper
95 100
174 88.5 0.0 175.6
176 85.3 0.0 171.4

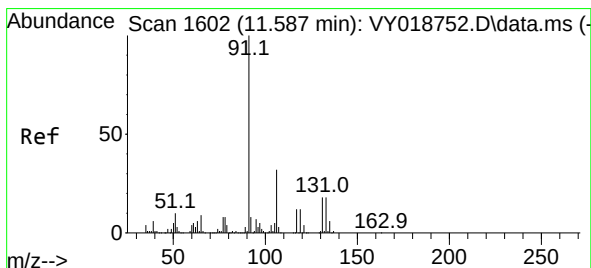
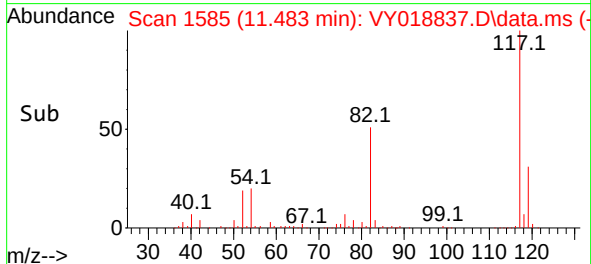
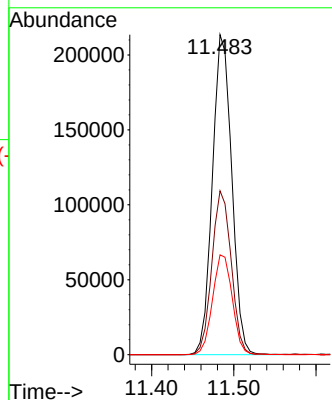
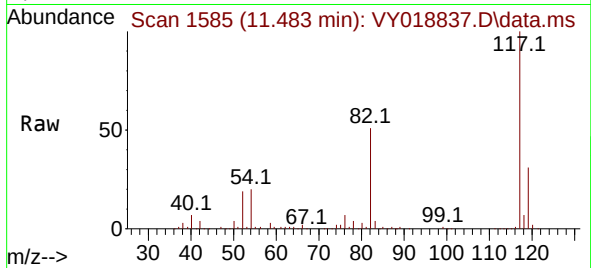




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

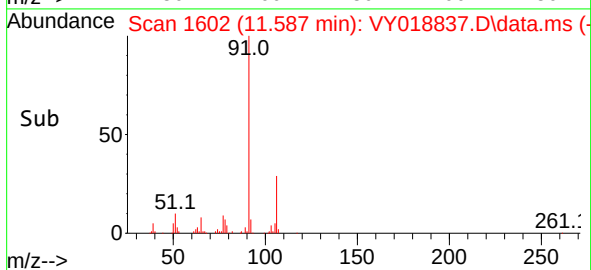
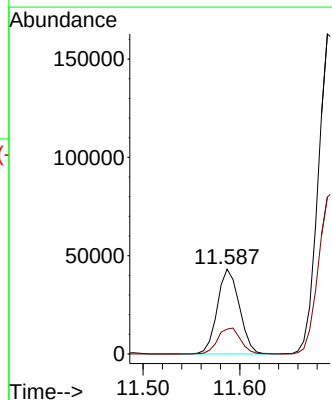
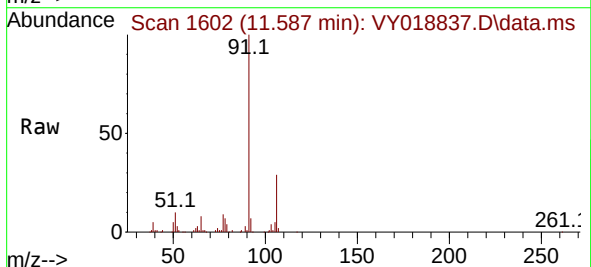
Instrument :
MSVOA_Y
ClientSampleId :

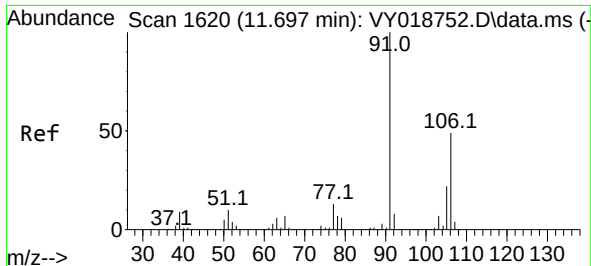
Tgt Ion:117 Resp: 349379
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 31.2 25.9 38.9



#67
Ethyl Benzene
Concen: 5.287 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 91 Resp: 68264
Ion Ratio Lower Upper
91 100
106 29.3 24.5 36.7

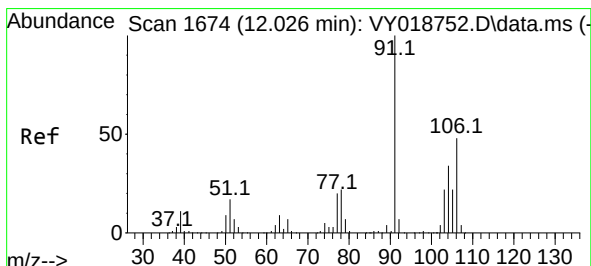
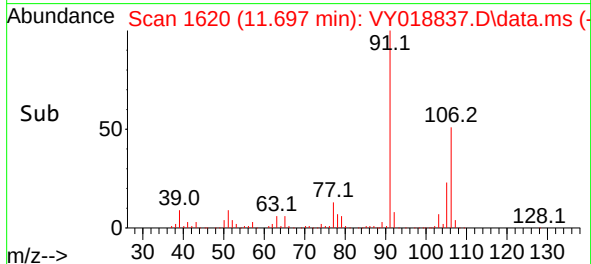
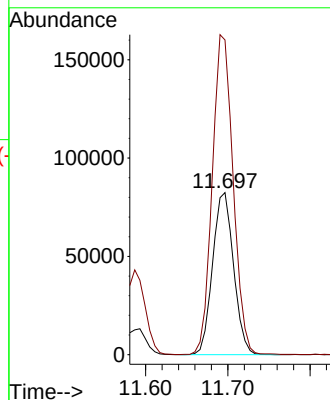
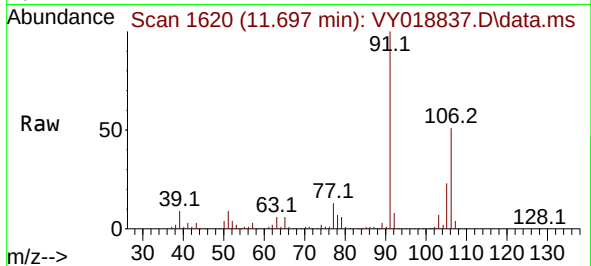




#68
m/p-Xylenes
Concen: 28.798 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

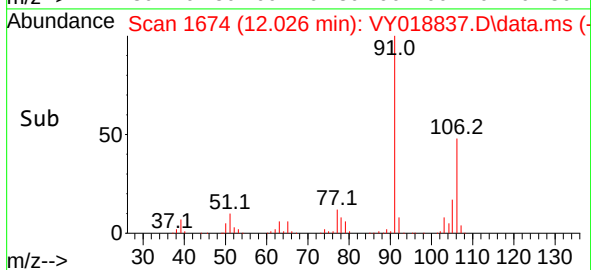
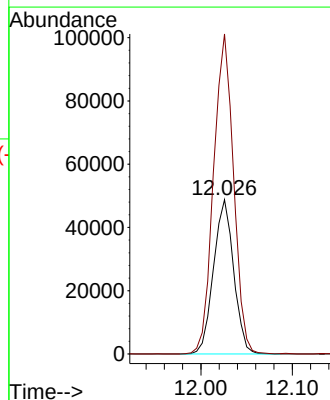
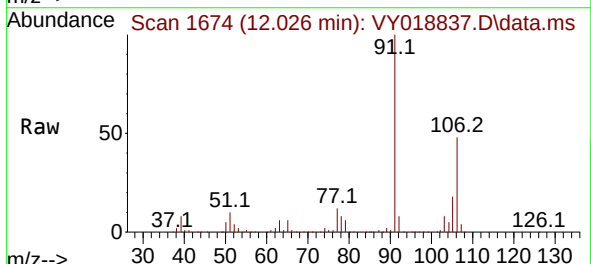
Instrument :
MSVOA_Y
ClientSampleId :

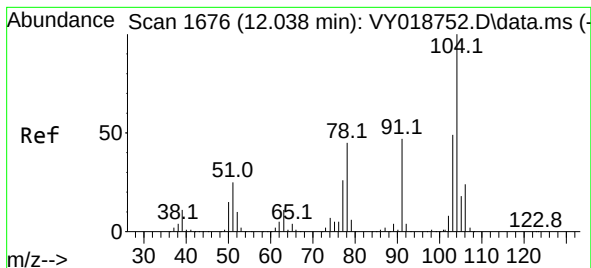
Tgt Ion:106 Resp: 145911
Ion Ratio Lower Upper
106 100
91 196.8 156.0 234.0



#69
o-Xylene
Concen: 15.672 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion:106 Resp: 74651
Ion Ratio Lower Upper
106 100
91 206.5 103.6 310.8





#70

Styrene

Concen: 1.469 ug/l

RT: 12.038 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018837.D

Acq: 16 Jul 2024 17:25

Instrument :

MSVOA_Y

ClientSampleId :

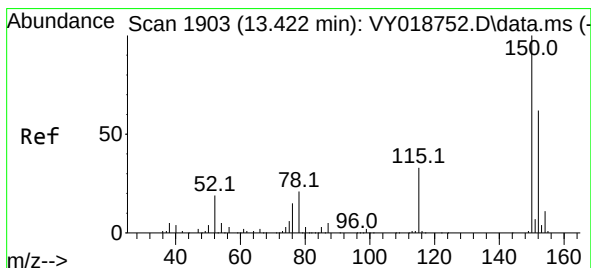
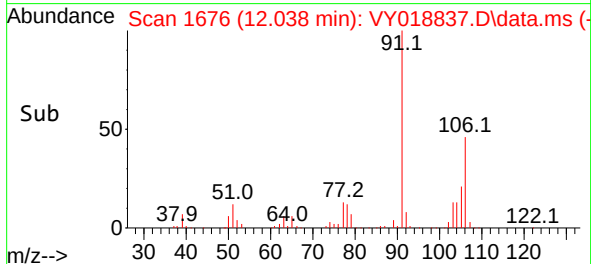
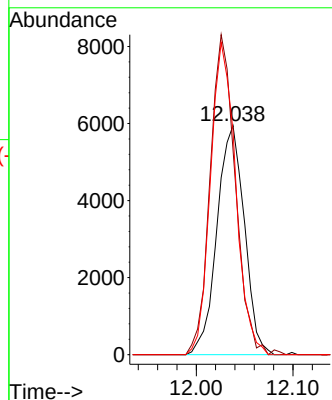
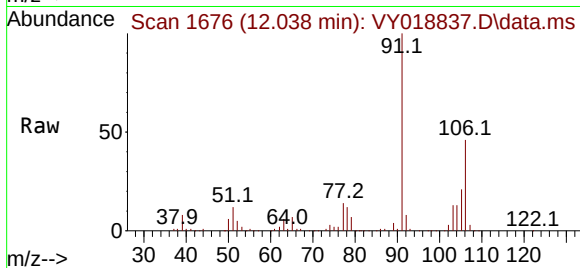
Tgt Ion:104 Resp: 11673

Ion Ratio Lower Upper

104 100

78 128.8 37.0 55.4#

103 125.5 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018837.D

Acq: 16 Jul 2024 17:25

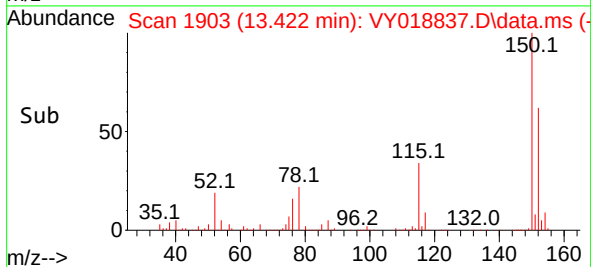
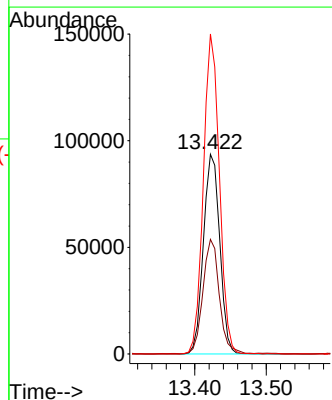
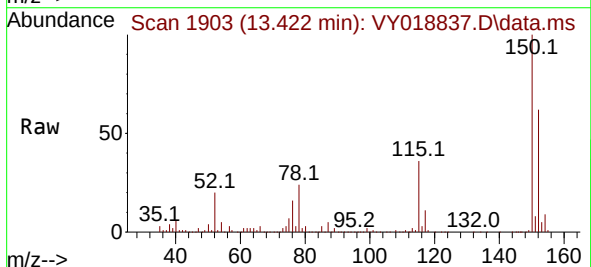
Tgt Ion:152 Resp: 148827

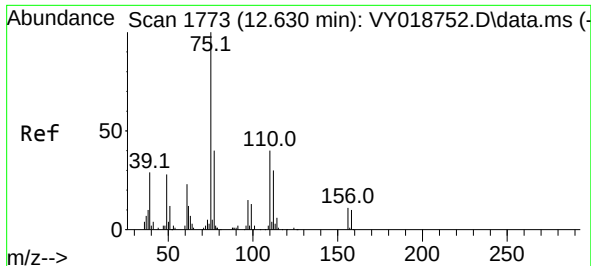
Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.7

150 156.7 0.0 345.6

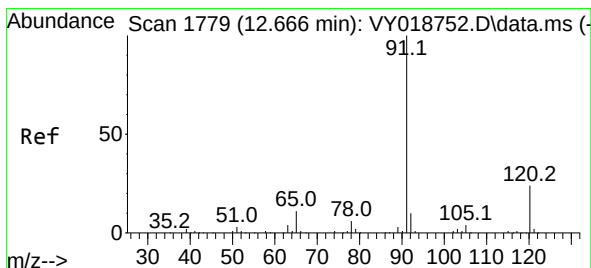
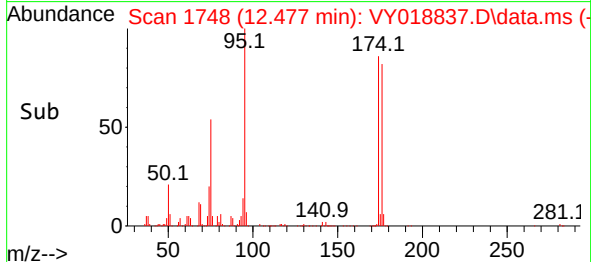
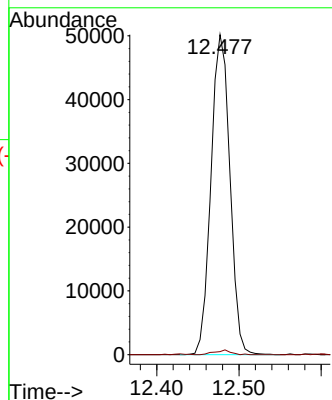
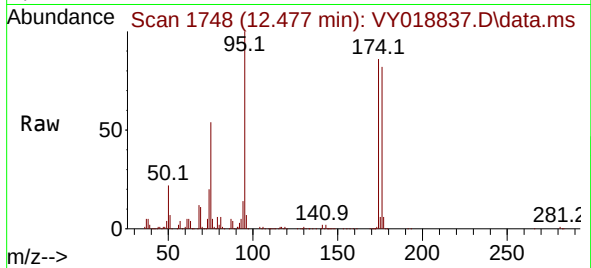




#76
1,2,3-Trichloropropane
Concen: 68.805 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

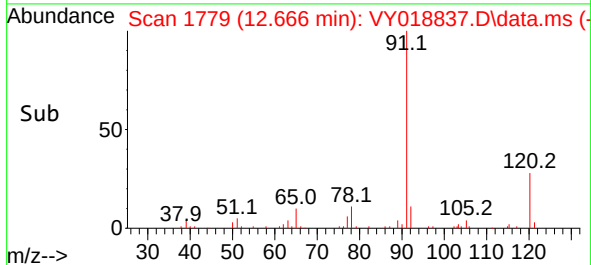
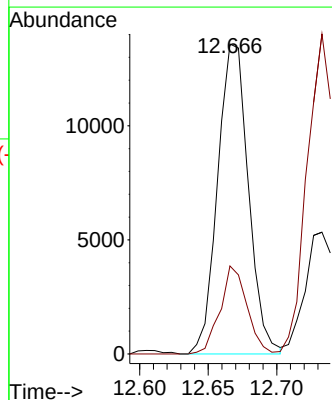
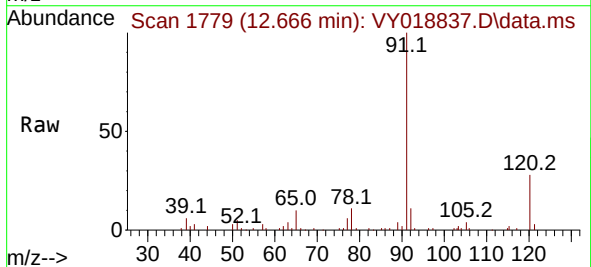
Instrument :
MSVOA_Y
ClientSampleId :

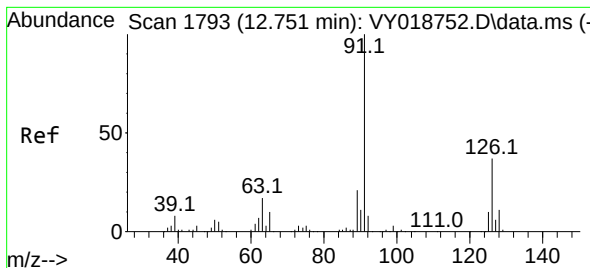
Tgt Ion: 75 Resp: 80202
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#78
n-propylbenzene
Concen: 1.640 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 91 Resp: 21219
Ion Ratio Lower Upper
91 100
120 24.7 11.5 34.4

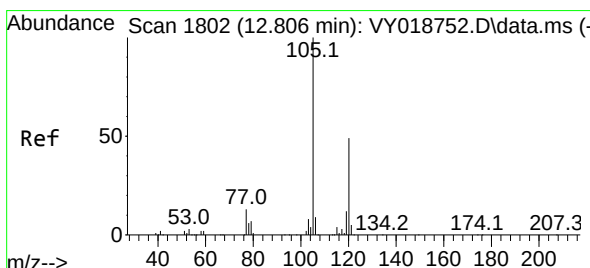
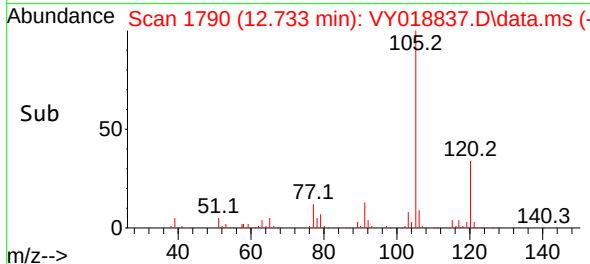
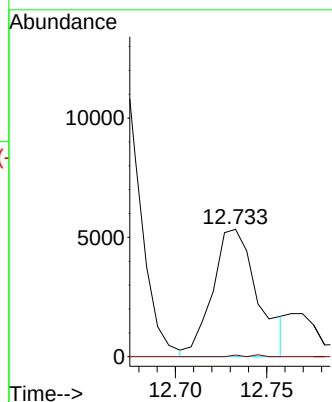
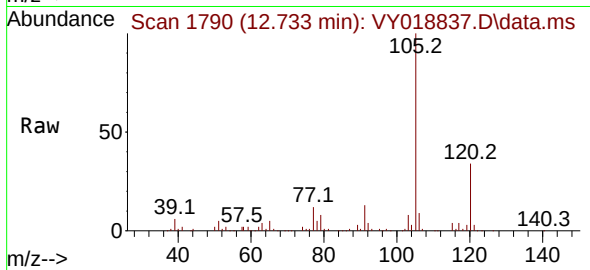




#79
2-Chlorotoluene
Concen: 1.261 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

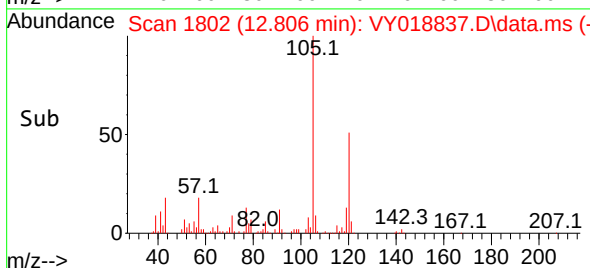
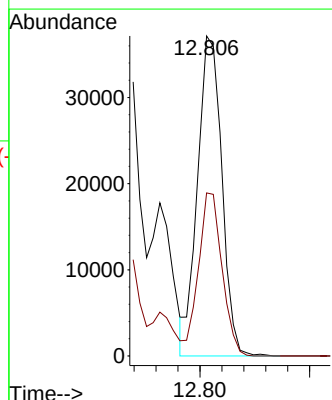
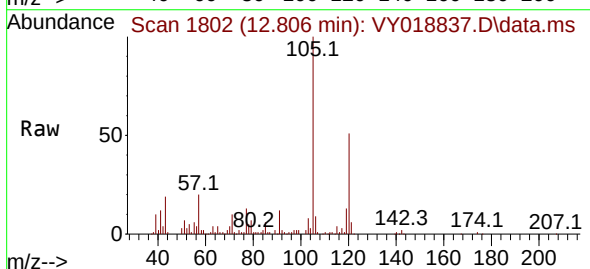
Instrument :
MSVOA_Y
ClientSampleId :

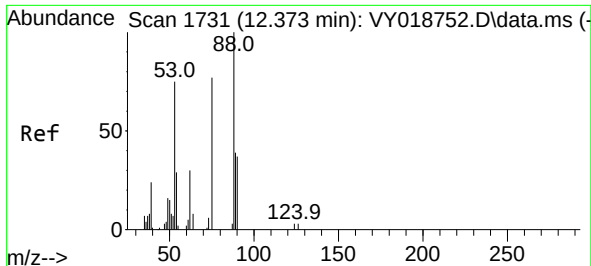
Tgt Ion: 91 Resp: 9174
Ion Ratio Lower Upper
91 100
126 0.3 17.8 53.5#



#80
1,3,5-Trimethylbenzene
Concen: 6.430 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 105 Resp: 57307
Ion Ratio Lower Upper
105 100
120 49.8 25.1 75.2

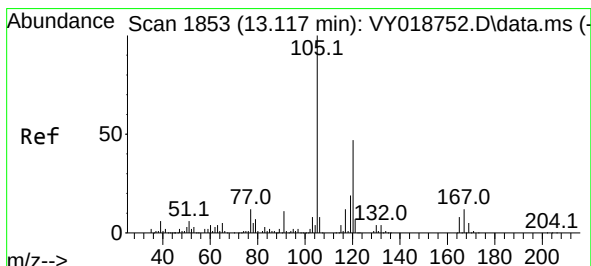
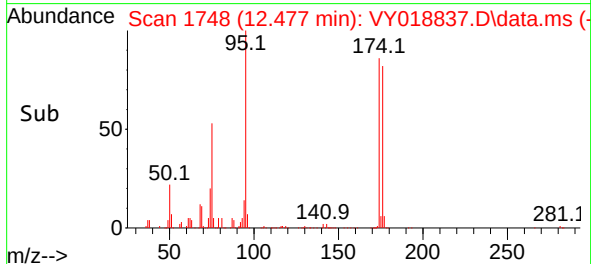
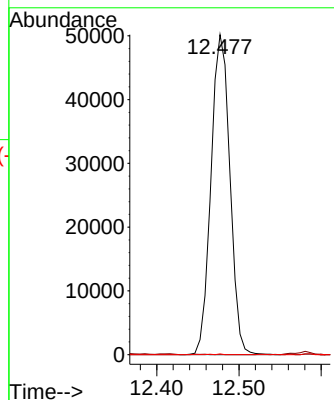
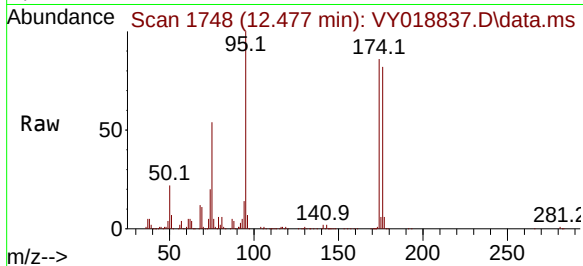




#81
trans-1,4-Dichloro-2-butene
Concen: 153.990 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.103 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

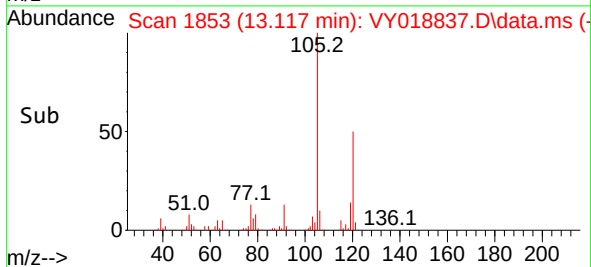
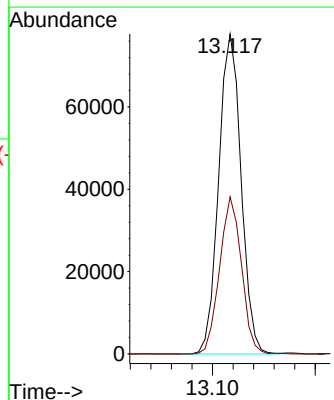
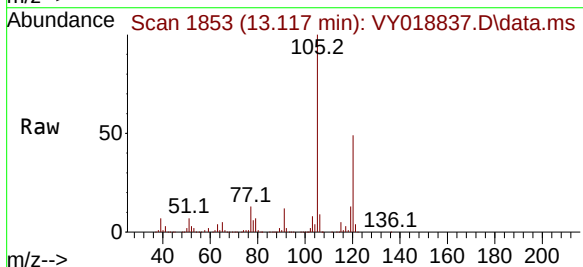
Instrument :
MSVOA_Y
ClientSampleId :

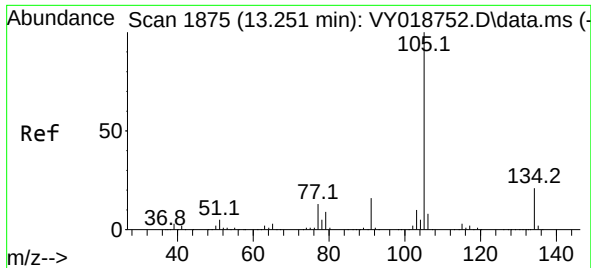
Tgt Ion: 75 Resp: 80202
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 13.281 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY018837.D
Acq: 16 Jul 2024 17:25

Tgt Ion: 105 Resp: 117619
Ion Ratio Lower Upper
105 100
120 47.9 23.2 69.6

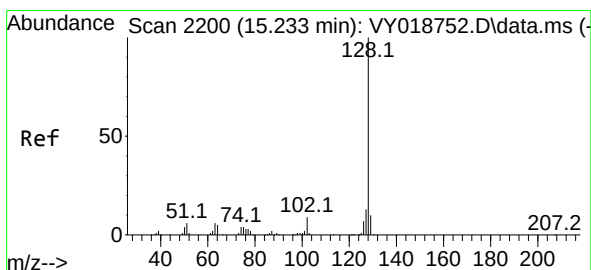
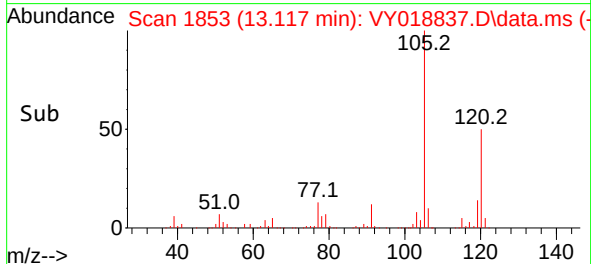
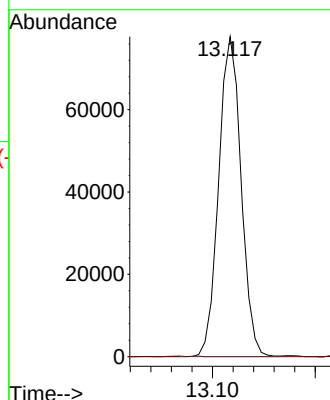
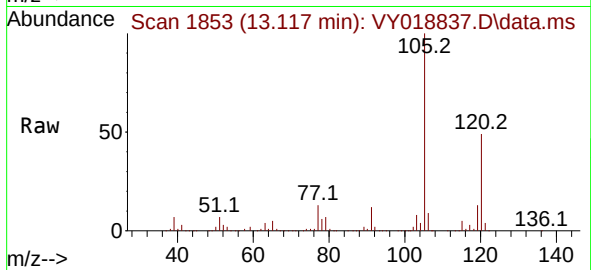




#85
 sec-Butylbenzene
 Concen: 10.071 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.134 min
 Lab File: VY018837.D
 Acq: 16 Jul 2024 17:25

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 117619
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#95
 Naphthalene
 Concen: 310.815 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: VY018837.D
 Acq: 16 Jul 2024 17:25

Tgt Ion:128 Resp: 1435916
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.6 16.0
 129 10.9 8.6 13.0

