

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071724\
 Data File : VY018855.D
 Acq On : 17 Jul 2024 18:36
 Operator : SY/MD
 Sample : P3224-17
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 18 01:31:08 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)

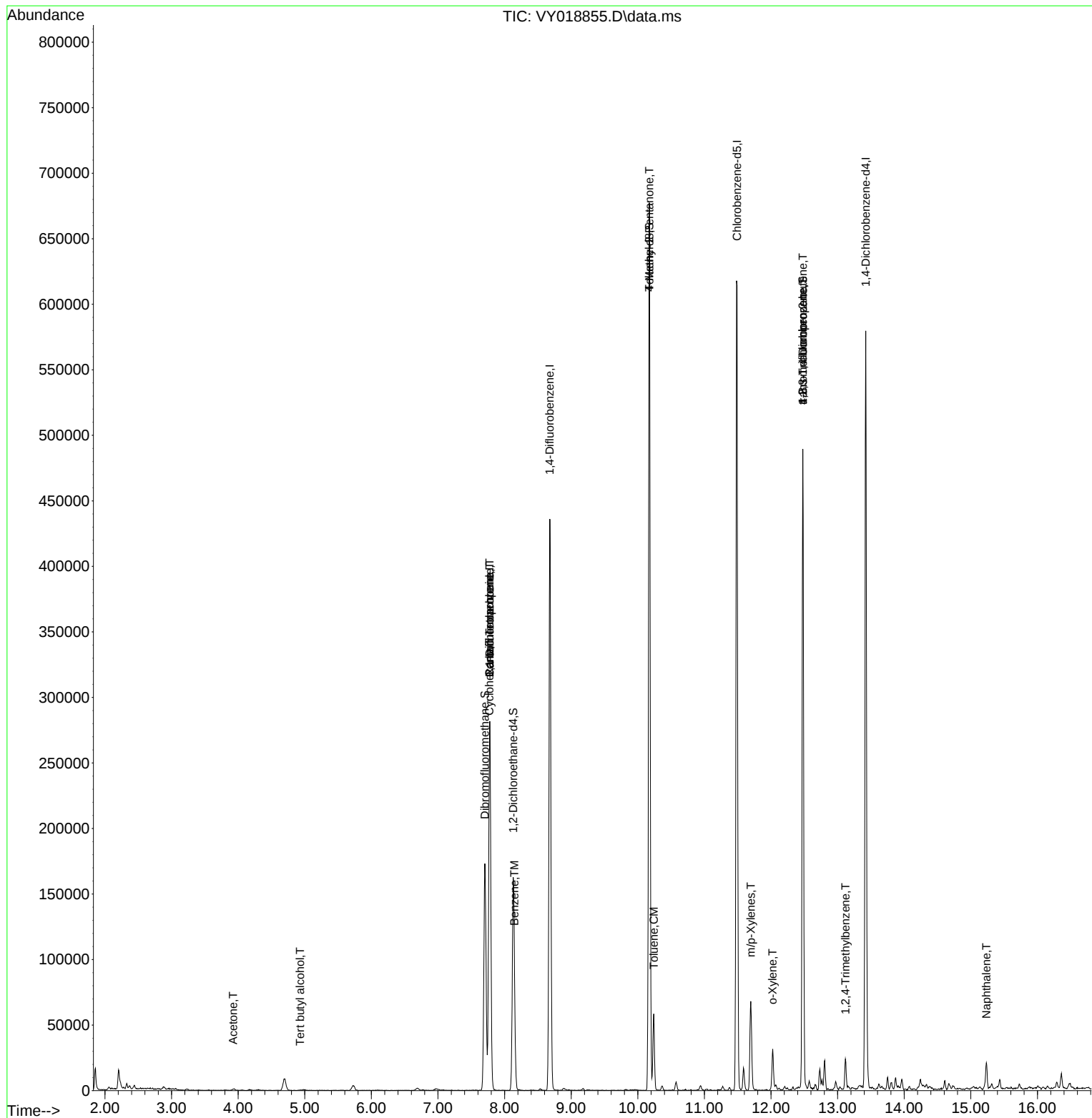
Internal Standards						
1) Pentafluorobenzene	7.777	168	219381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	380198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	114504	53.042	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.080%	
35) Dibromofluoromethane	7.704	113	115198	48.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.760%	
50) Toluene-d8	10.173	98	427838	47.424	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.840%	
62) 4-Bromofluorobenzene	12.477	95	141459	45.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	345	1.578	ug/l #	88
16) Acetone	3.924	43	1059	2.661	ug/l #	64
20) Methylene Chloride	4.704	84	6736	Below Cal	#	93
31) Cyclohexane	7.771	56	4933	1.487	ug/l #	36
36) 1,1-Dichloropropene	7.777	75	15991	4.866	ug/l #	50
38) Carbon Tetrachloride	7.777	117	22180	5.604	ug/l #	16
40) Benzene	8.149	78	24121	2.530	ug/l	92
51) 4-Methyl-2-Pentanone	10.173	43	2019	1.455	ug/l #	1
52) Toluene	10.240	92	23493	3.708	ug/l	97
68) m/p-Xylenes	11.697	106	19885	4.024	ug/l	98
69) o-Xylene	12.026	106	7862	1.692	ug/l	91
76) 1,2,3-Trichloropropane	12.477	75	77041	66.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	77041	149.700	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	12906	1.475	ug/l	92
95) Naphthalene	15.233	128	16553	3.626	ug/l	97

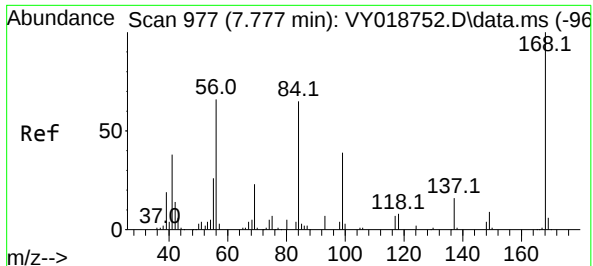
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

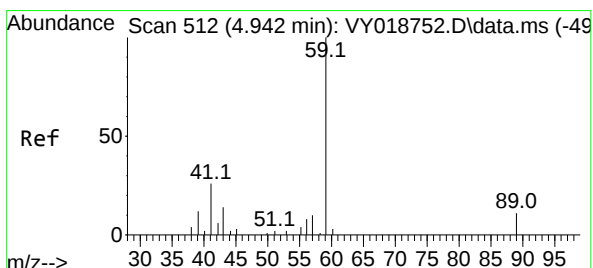
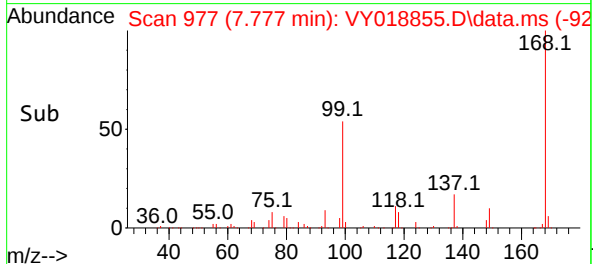
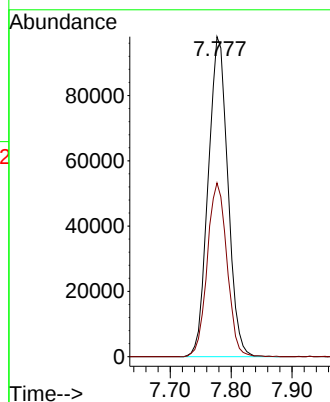
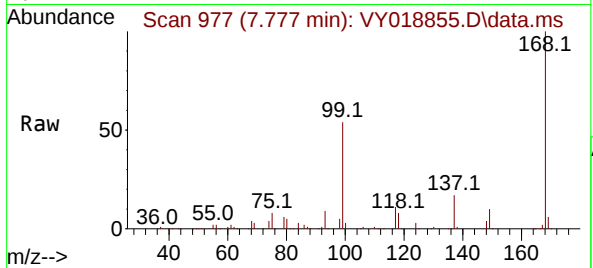




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

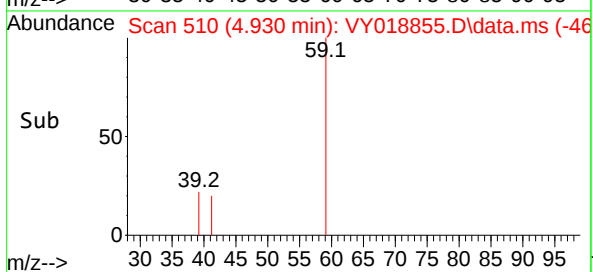
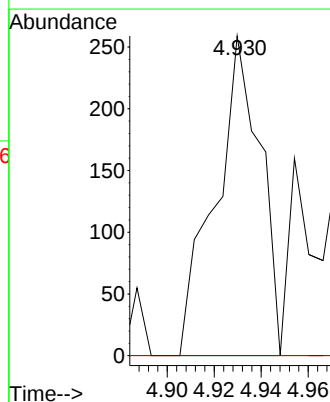
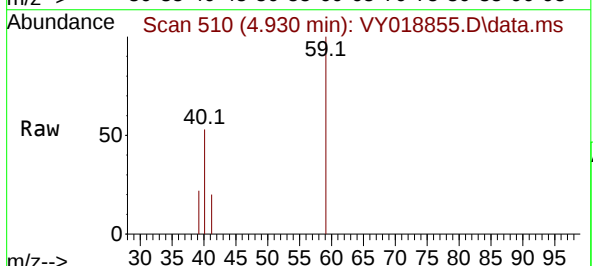
Instrument :
MSVOA_Y
ClientSampleId :

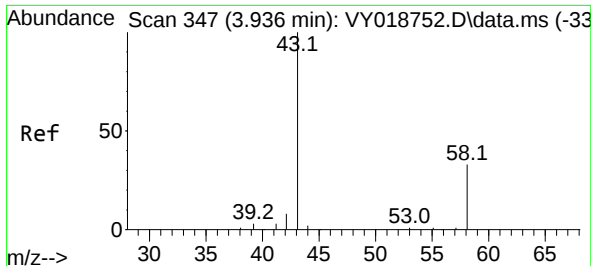
Tgt Ion:168 Resp: 219381
Ion Ratio Lower Upper
168 100
99 54.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.578 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 2.661 ug/l

RT: 3.924 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY018855.D

Acq: 17 Jul 2024 18:36

Instrument :

MSVOA_Y

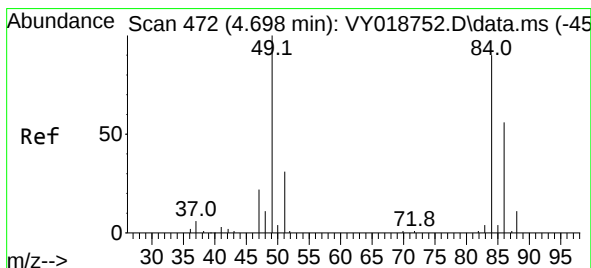
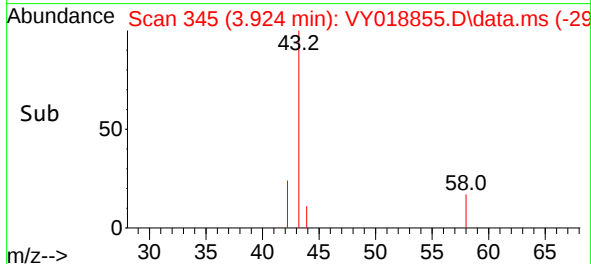
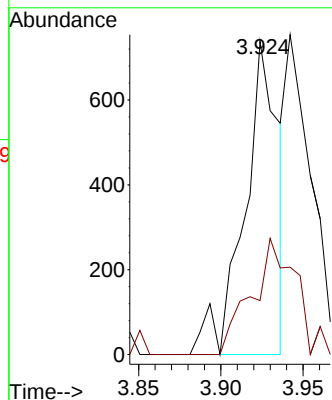
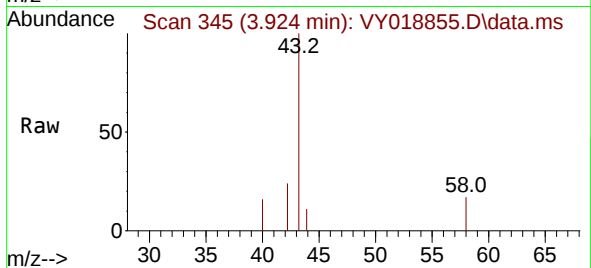
ClientSampleId :

Tgt Ion: 43 Resp: 1059

Ion Ratio Lower Upper

43 100

58 17.2 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. 0.006 min

Lab File: VY018855.D

Acq: 17 Jul 2024 18:36

Tgt Ion: 84 Resp: 6736

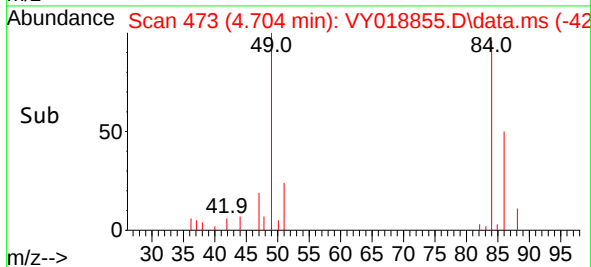
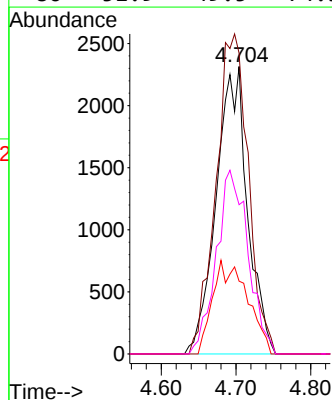
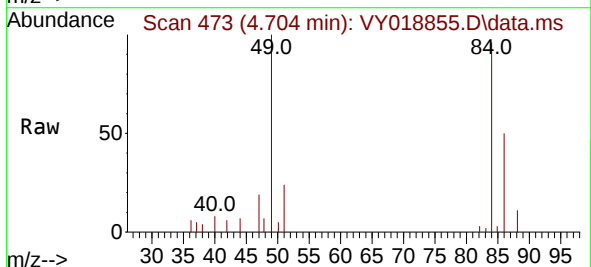
Ion Ratio Lower Upper

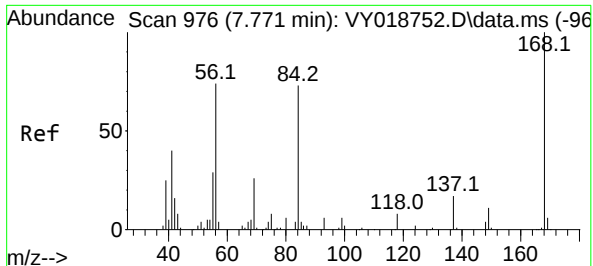
84 100

49 104.7 84.4 126.6

51 25.3 26.0 39.0#

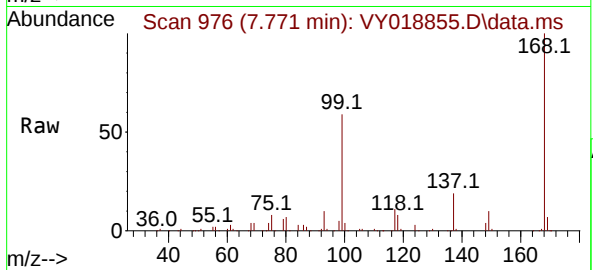
86 51.9 49.5 74.3



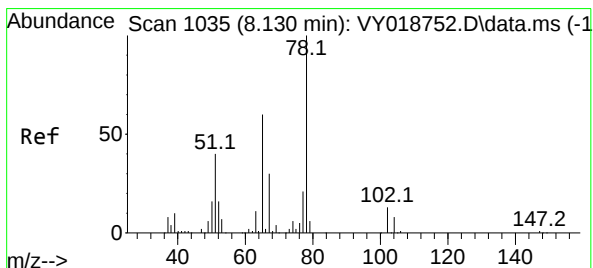
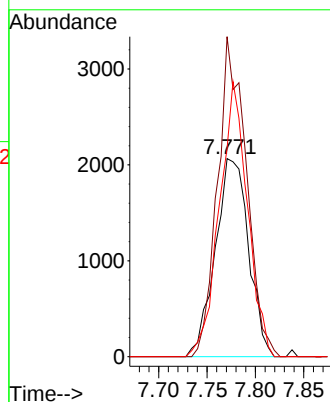
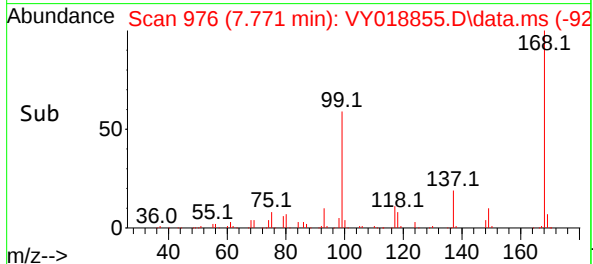


#31
Cyclohexane
Concen: 1.487 ug/l
RT: 7.771 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Instrument :
MSVOA_Y
ClientSampleId :

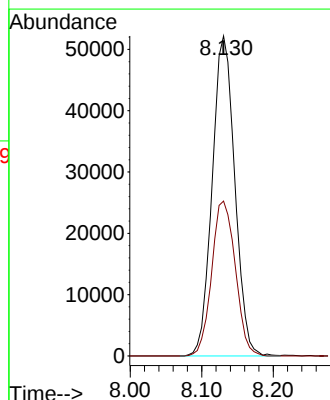
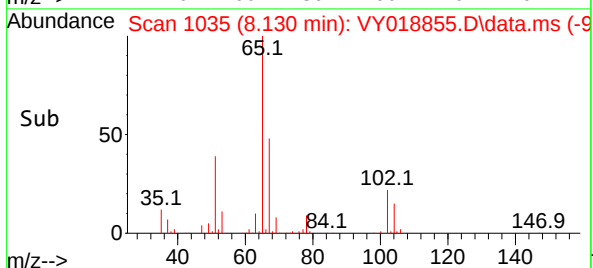
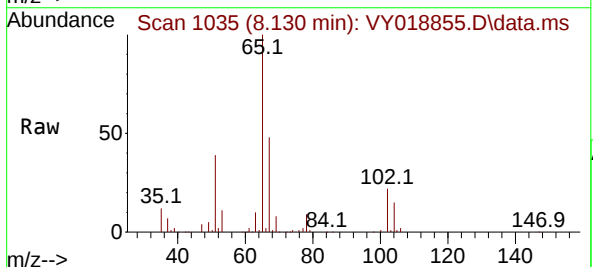


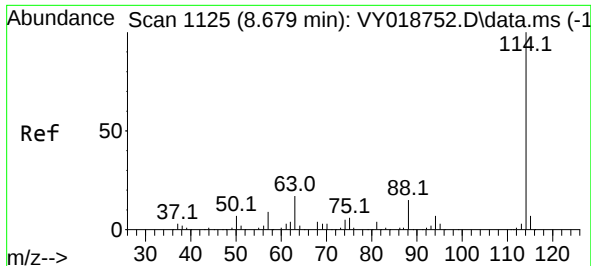
Tgt Ion: 56 Resp: 4933
Ion Ratio Lower Upper
56 100
69 161.6 28.7 43.1#
84 105.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 53.042 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Tgt Ion: 65 Resp: 114504
Ion Ratio Lower Upper
65 100
67 50.6 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: VY018855.D

Acq: 17 Jul 2024 18:36

Instrument :

MSVOA_Y

ClientSampleId :

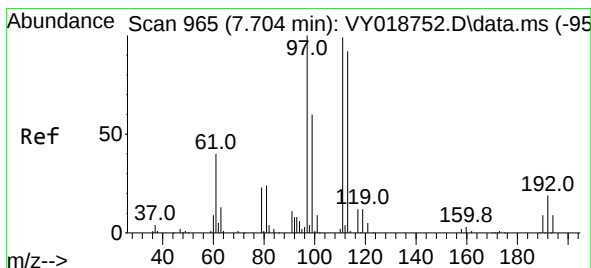
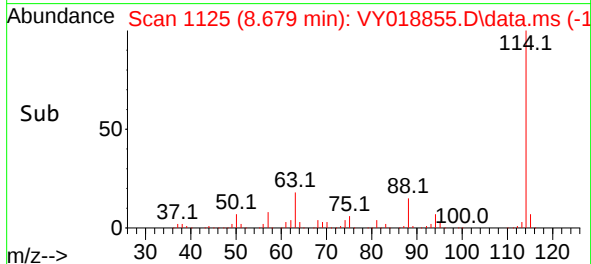
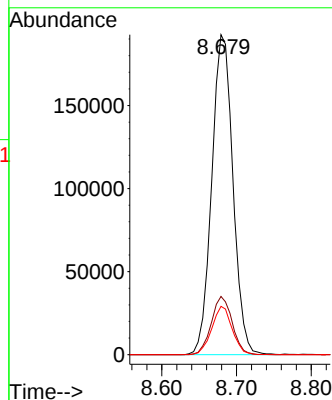
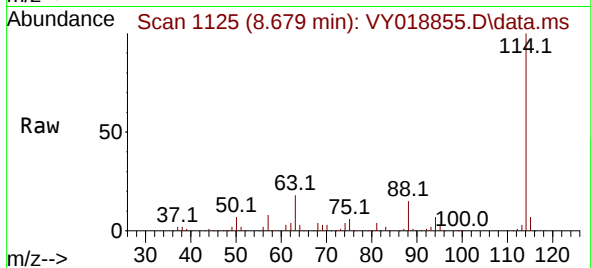
Tgt Ion:114 Resp: 380198

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.377 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY018855.D

Acq: 17 Jul 2024 18:36

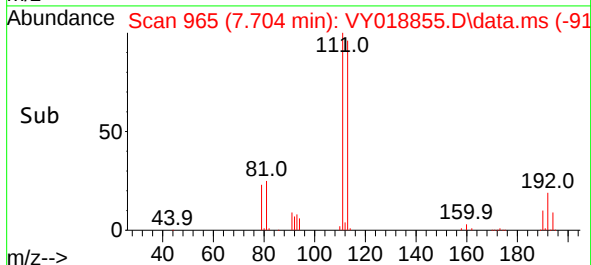
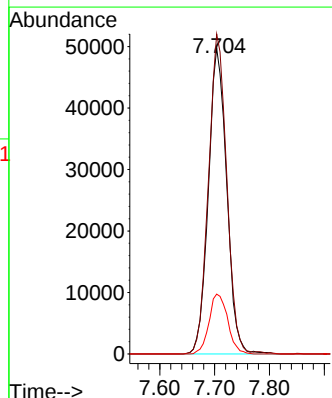
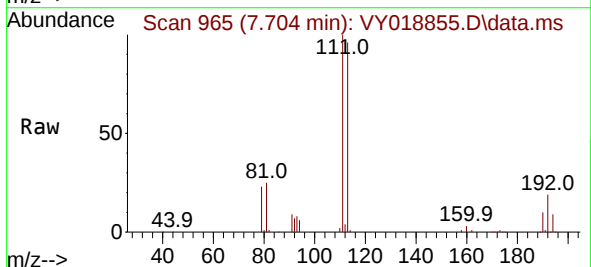
Tgt Ion:113 Resp: 115198

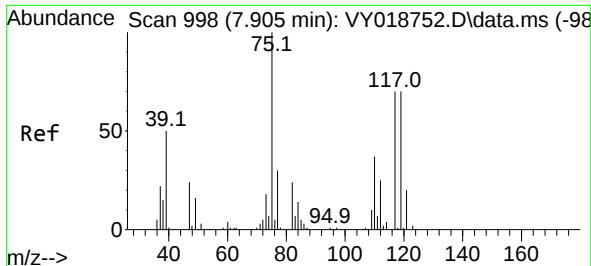
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

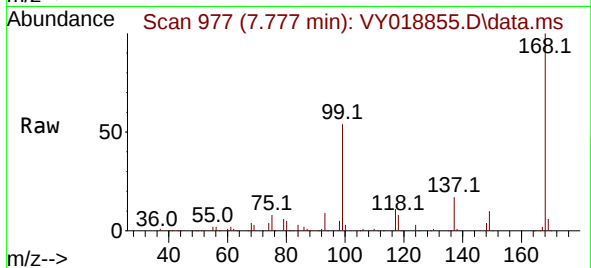
192 20.0 15.9 23.9



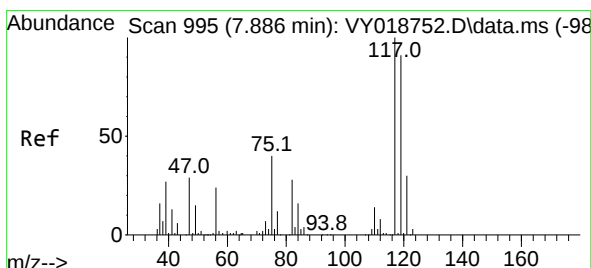
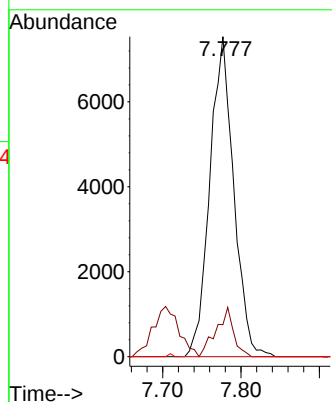
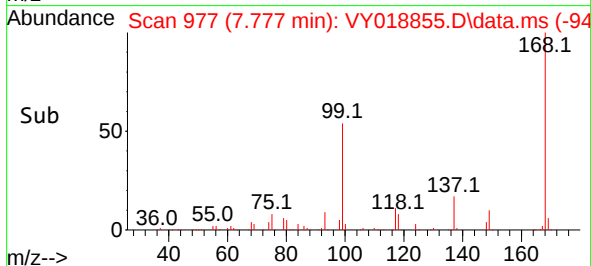


#36
 1,1-Dichloropropene
 Concen: 4.866 ug/l
 RT: 7.777 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY018855.D
 Acq: 17 Jul 2024 18:36

Instrument :
 MSVOA_Y
 ClientSampleId :

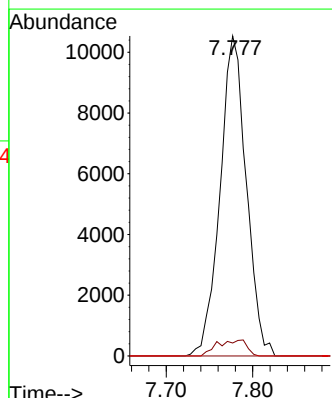
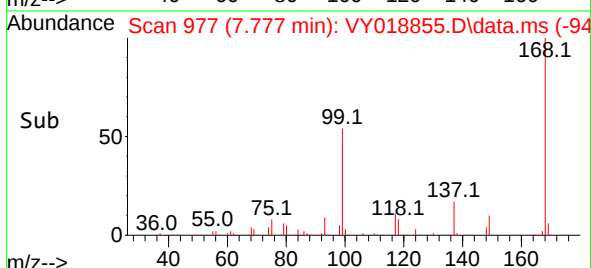
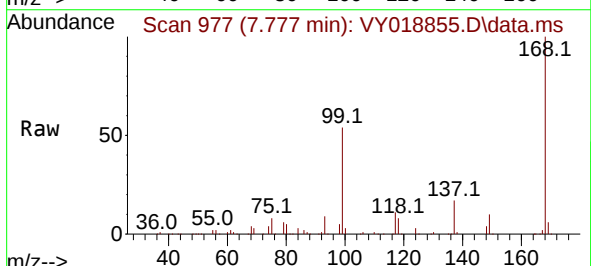


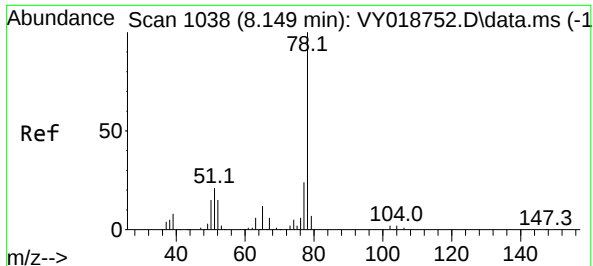
Tgt Ion: 75 Resp: 15991
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.604 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.110 min
 Lab File: VY018855.D
 Acq: 17 Jul 2024 18:36

Tgt Ion: 117 Resp: 22180
 Ion Ratio Lower Upper
 117 100
 119 4.1 75.8 113.6#
 121 0.0 24.0 36.0#

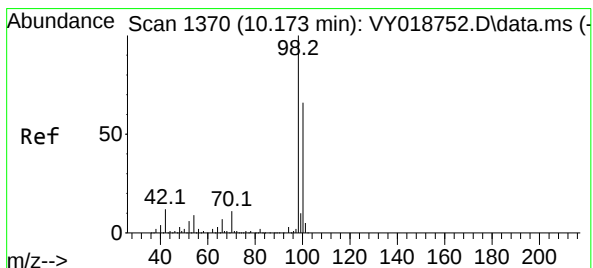
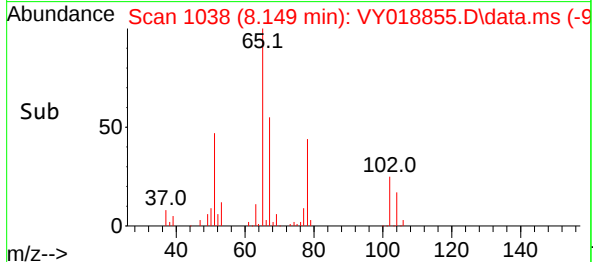
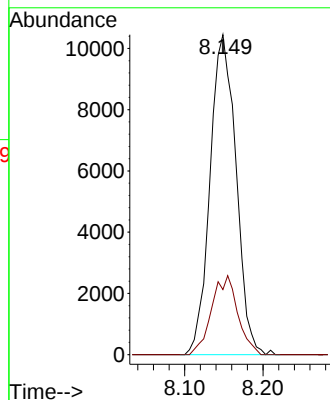
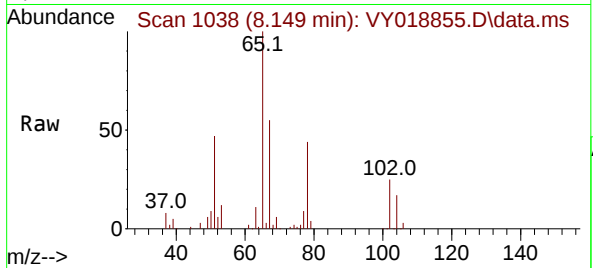




#40
Benzene
Concen: 2.530 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

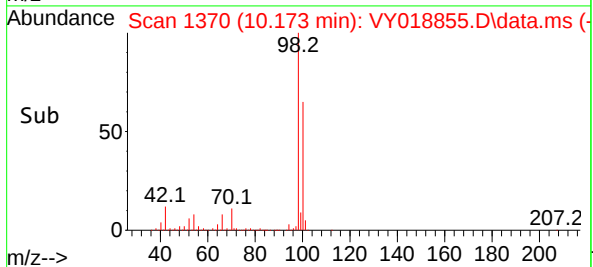
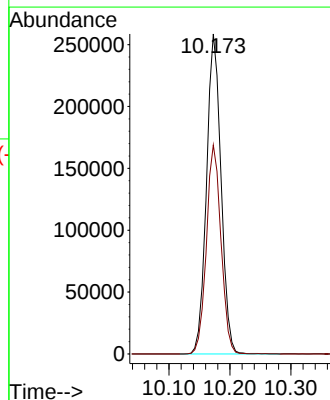
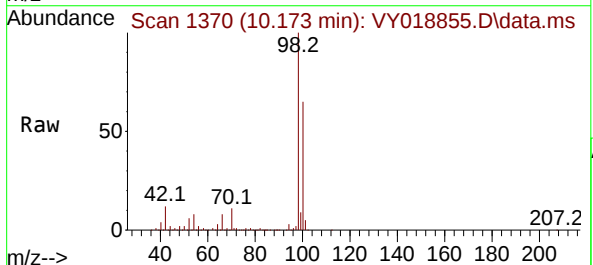
Instrument :
MSVOA_Y
ClientSampleId :

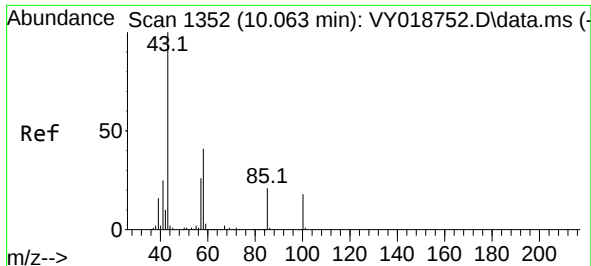
Tgt Ion: 78 Resp: 24121
Ion Ratio Lower Upper
78 100
77 20.3 19.5 29.3



#50
Toluene-d8
Concen: 47.424 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Tgt Ion: 98 Resp: 427838
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

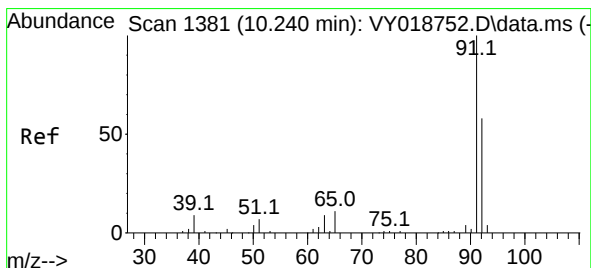
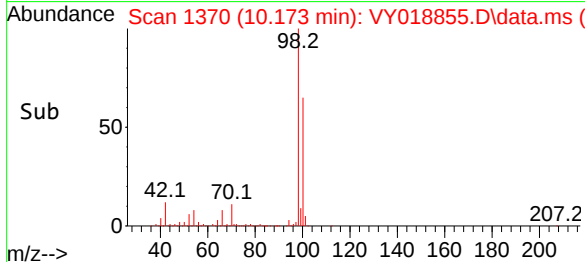
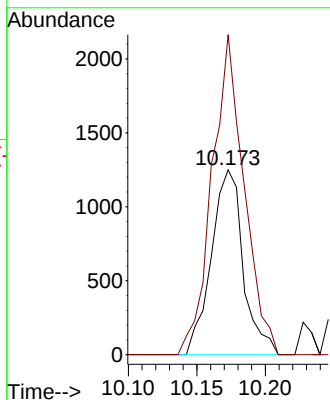
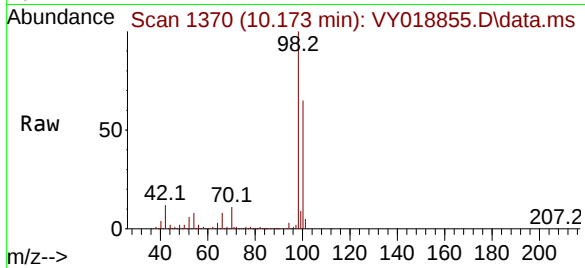




#51
4-Methyl-2-Pentanone
Concen: 1.455 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

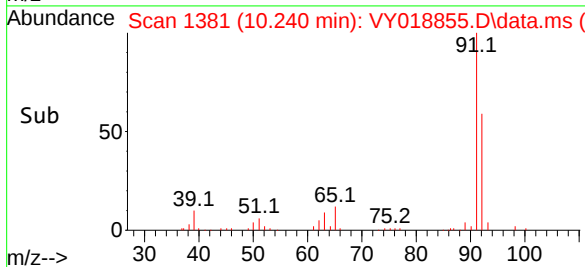
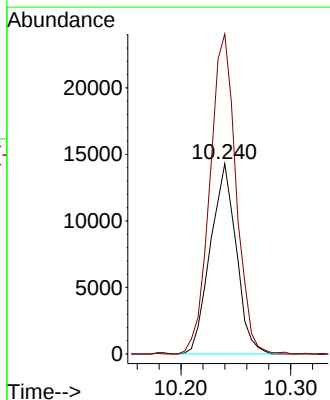
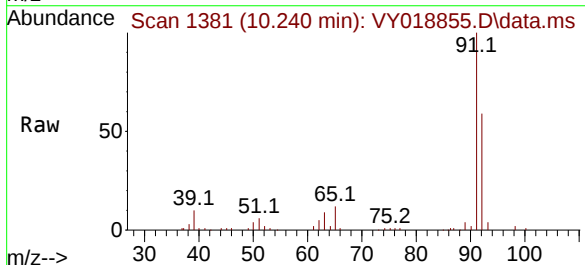
Instrument :
MSVOA_Y
ClientSampleId :

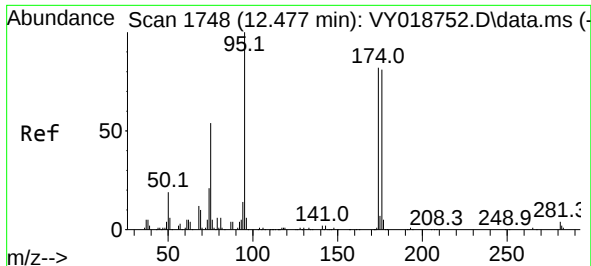
Tgt Ion: 43 Resp: 2019
Ion Ratio Lower Upper
43 100
58 174.8 35.7 53.5#



#52
Toluene
Concen: 3.708 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Tgt Ion: 92 Resp: 23493
Ion Ratio Lower Upper
92 100
91 170.2 139.0 208.6

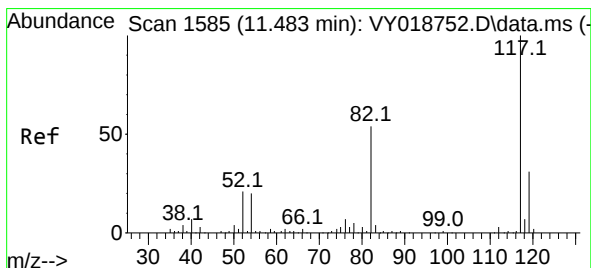
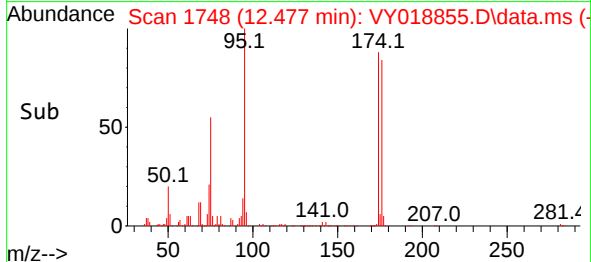
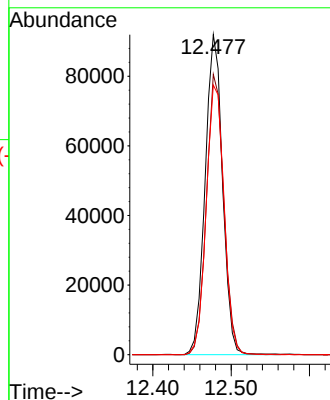
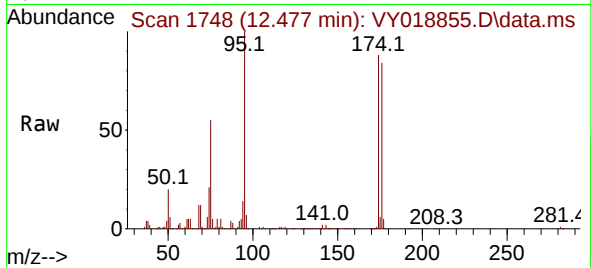




#62
4-Bromofluorobenzene
Concen: 45.915 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

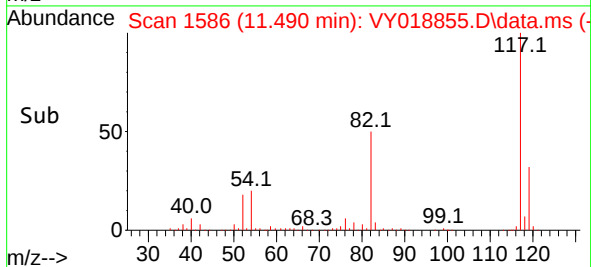
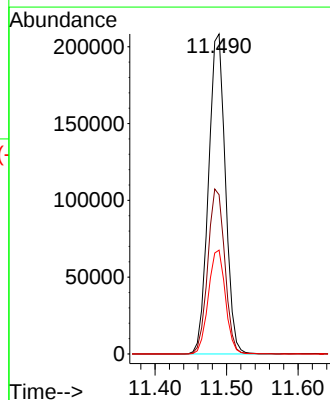
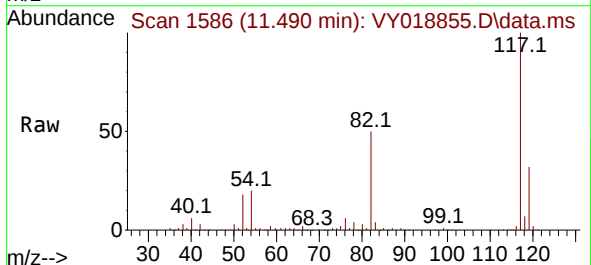
Instrument :
MSVOA_Y
ClientSampleId :

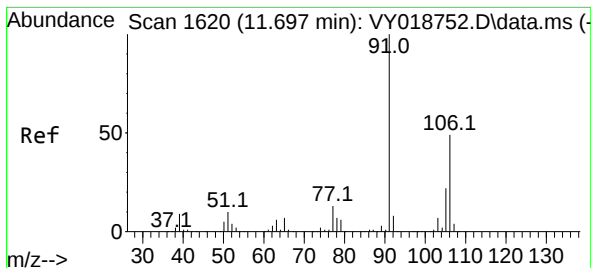
Tgt Ion: 95 Resp: 141459
Ion Ratio Lower Upper
95 100
174 87.8 0.0 175.6
176 86.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Tgt Ion: 117 Resp: 340739
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 32.5 25.9 38.9

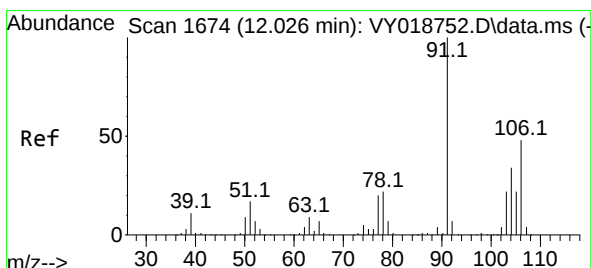
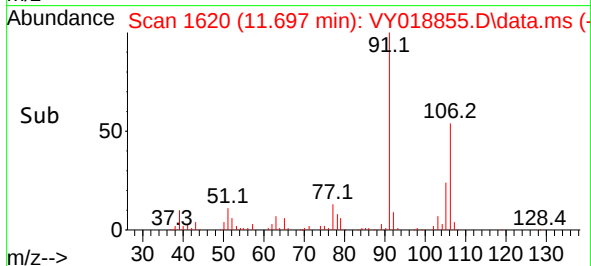
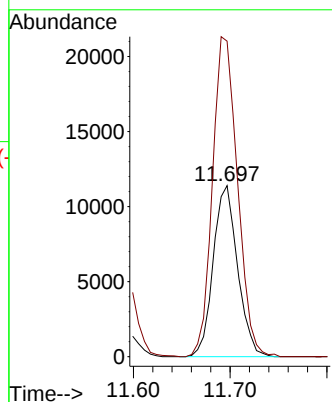
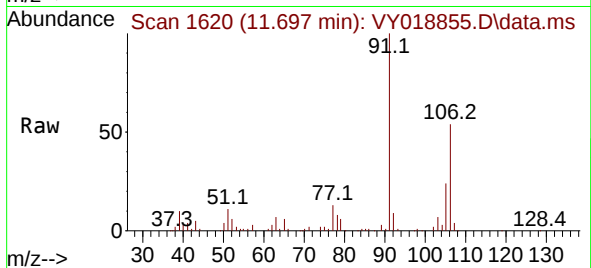




#68
m/p-Xylenes
Concen: 4.024 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

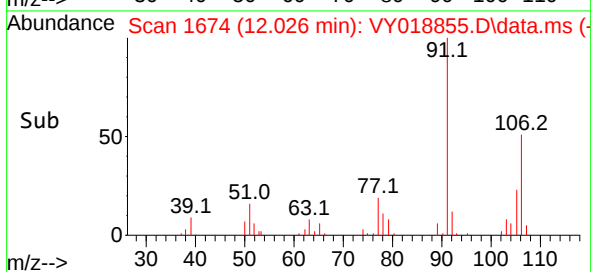
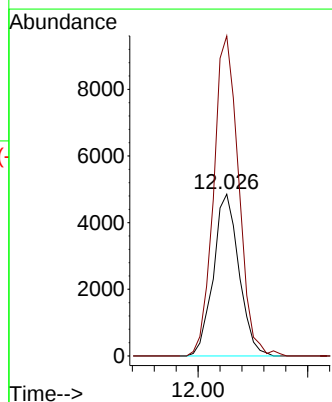
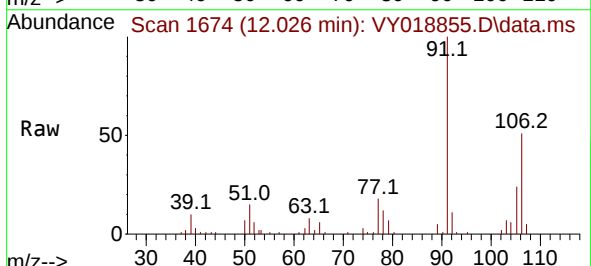
Instrument :
MSVOA_Y
ClientSampleId :

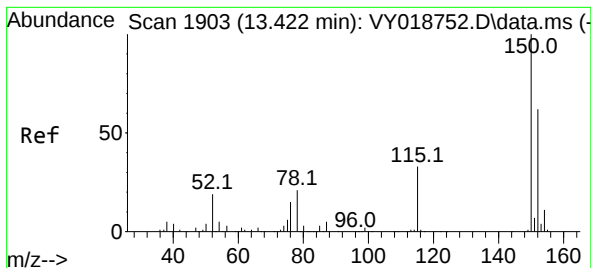
Tgt Ion:106 Resp: 19885
Ion Ratio Lower Upper
106 100
91 192.4 156.0 234.0



#69
o-Xylene
Concen: 1.692 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

Tgt Ion:106 Resp: 7862
Ion Ratio Lower Upper
106 100
91 193.4 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018855.D

Acq: 17 Jul 2024 18:36

Instrument :

MSVOA_Y

ClientSampleId :

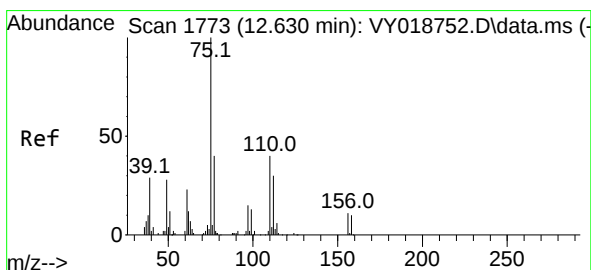
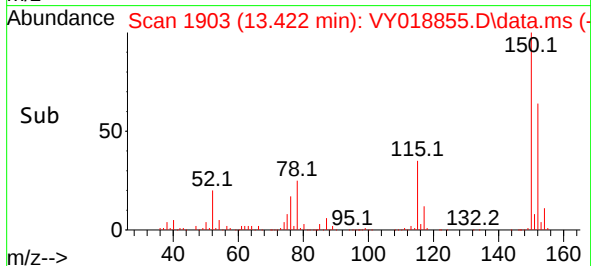
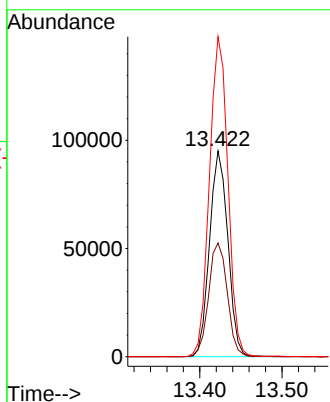
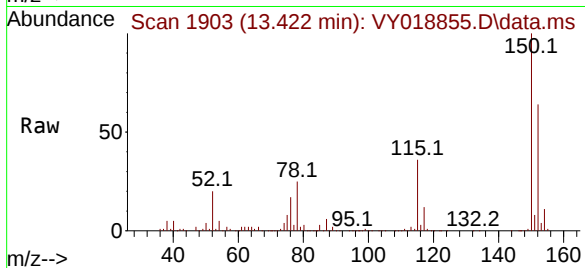
Tgt Ion:152 Resp: 147058

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.7

150 156.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.888 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018855.D

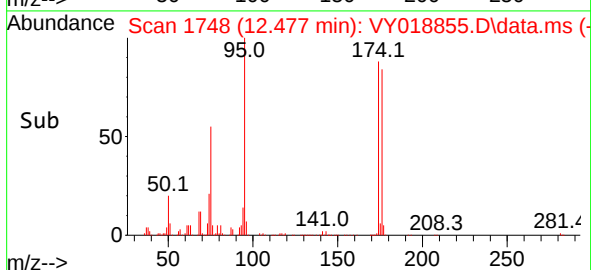
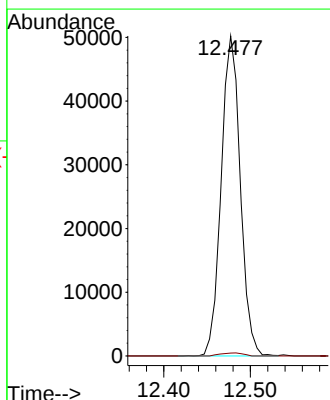
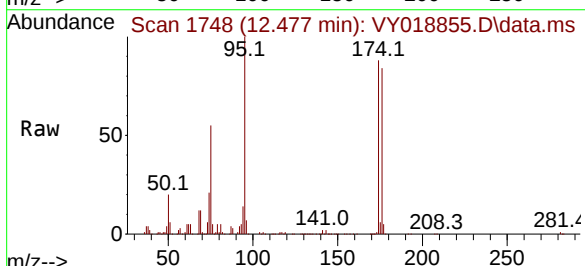
Acq: 17 Jul 2024 18:36

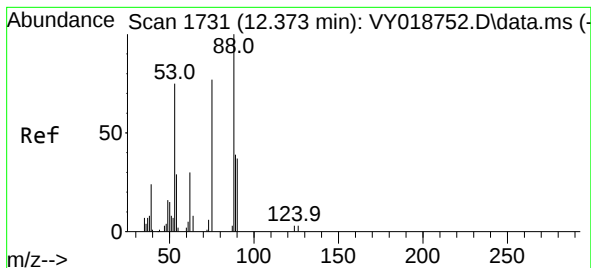
Tgt Ion: 75 Resp: 77041

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

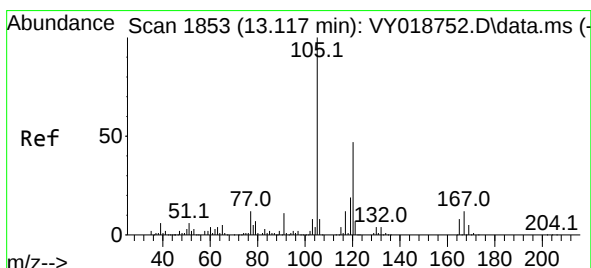
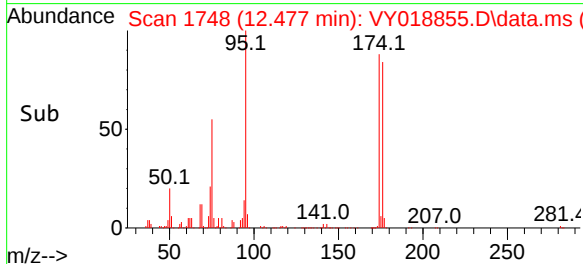
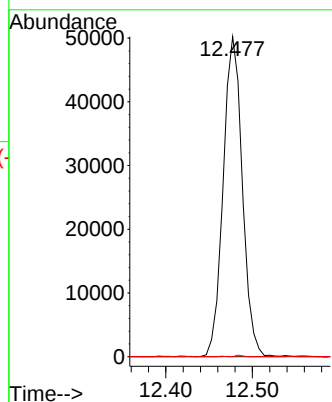
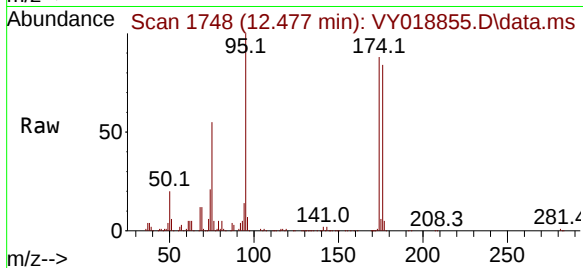




#81
trans-1,4-Dichloro-2-butene
Concen: 149.700 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.104 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

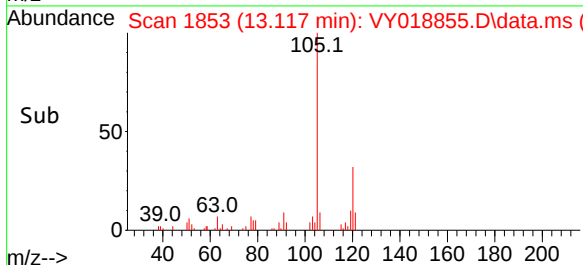
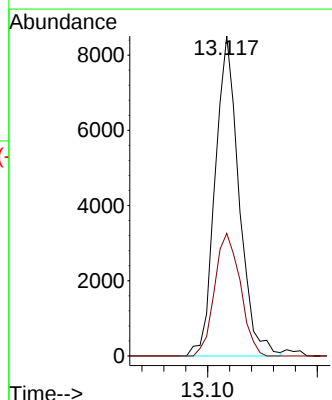
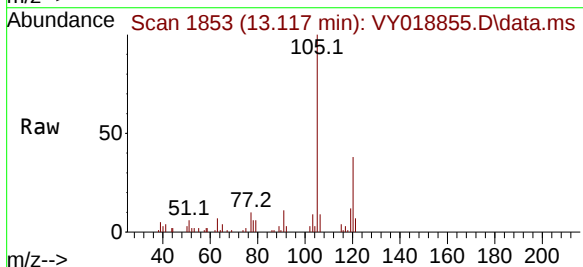
Instrument :
MSVOA_Y
ClientSampleId :

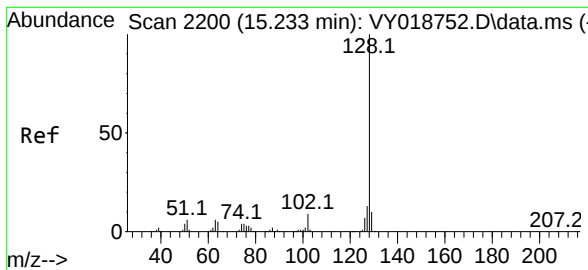
Tgt Ion: 75 Resp: 77041
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.475 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY018855.D
Acq: 17 Jul 2024 18:36

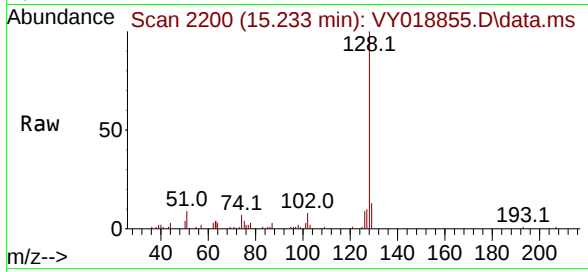
Tgt Ion: 105 Resp: 12906
Ion Ratio Lower Upper
105 100
120 41.1 23.2 69.6





#95
 Naphthalene
 Concen: 3.626 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY018855.D
 Acq: 17 Jul 2024 18:36

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	16553
Ion	Ratio	Lower	Upper
128	100		
127	11.5	10.6	16.0
129	11.1	8.6	13.0

