

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062624\
 Data File : VY018703.D
 Acq On : 26 Jun 2024 13:26
 Operator : SY/MD
 Sample : P3045-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 27 07:50:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

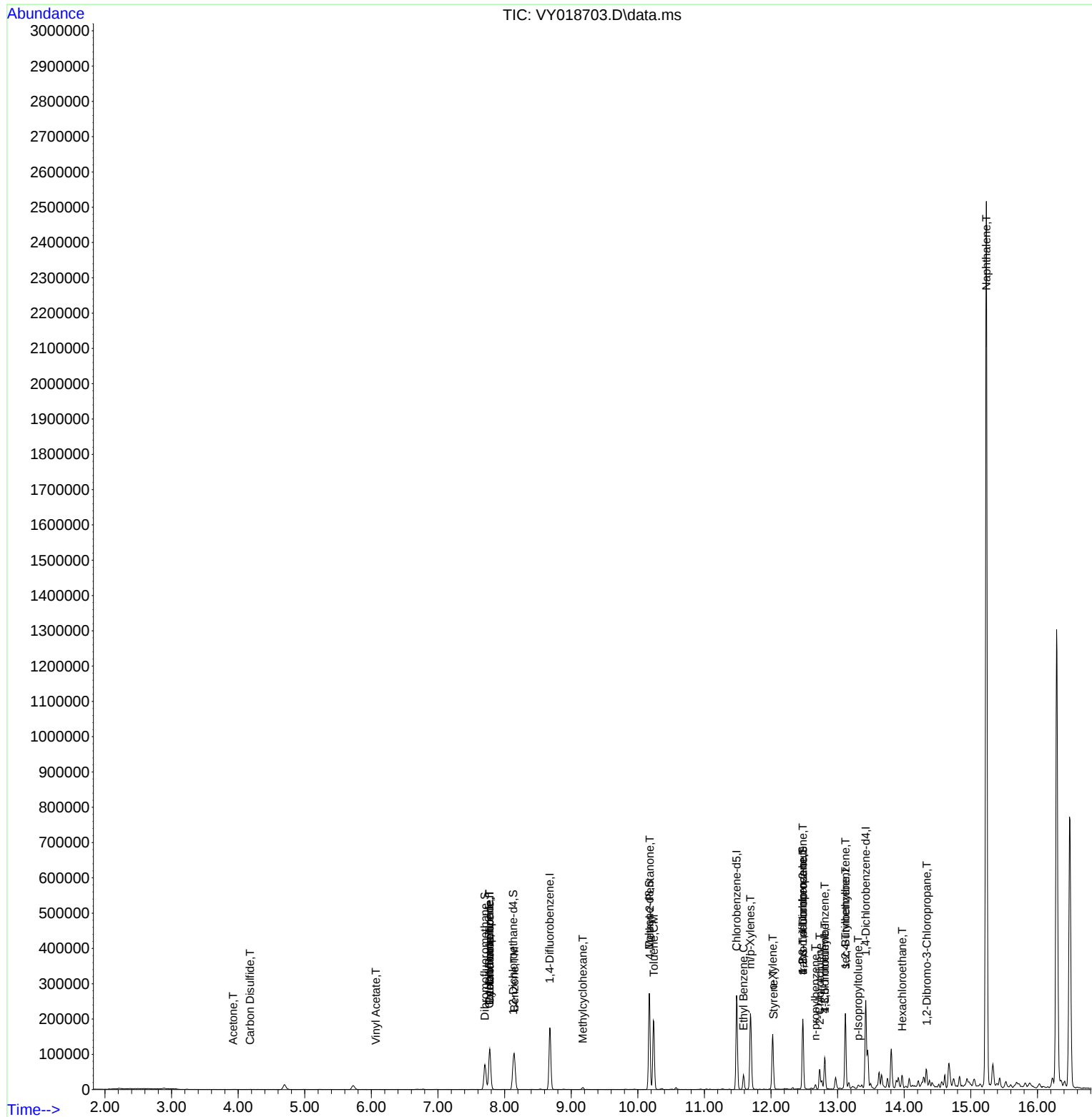
Internal Standards						
1) Pentafluorobenzene	7.777	168	86410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	157748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	146804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	63860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	45637	52.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.920%			
35) Dibromofluoromethane	7.704	113	50307	52.278	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.560%			
50) Toluene-d8	10.173	98	180440	48.759	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.477	95	57213	48.960	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.920%			
Target Compounds					Qvalue	
16) Acetone	3.924	43	259	1.463	ug/l	91
17) Carbon Disulfide	4.180	76	334	2.347	ug/l #	76
23) Vinyl Acetate	6.070	43	60	23.718	ug/l #	67
31) Cyclohexane	7.777	56	2822	2.118	ug/l #	44
36) 1,1-Dichloropropene	7.777	75	6811	5.142	ug/l #	49
38) Carbon Tetrachloride	7.771	117	8264	5.947	ug/l #	18
39) Methylcyclohexane	9.173	83	2490	1.534	ug/l #	93
40) Benzene	8.149	78	69511	16.969	ug/l	99
51) 4-Methyl-2-Pentanone	10.179	43	860	1.401	ug/l #	1
52) Toluene	10.240	92	86342	32.829	ug/l	98
67) Ethyl Benzene	11.587	91	27729	5.270	ug/l	94
68) m/p-Xylenes	11.691	106	67572	33.001	ug/l	98
69) o-Xylene	12.026	106	41052	20.849	ug/l	99
70) Styrene	12.038	104	8267	2.541	ug/l #	23
76) 1,2,3-Trichloropropane	12.477	75	30143	50.319	ug/l #	100
78) n-propylbenzene	12.666	91	10035	1.839	ug/l	92
79) 2-Chlorotoluene	12.733	91	5698	1.850	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.806	105	40161	10.867	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	30143	131.805	ug/l #	16
82) 4-Chlorotoluene	12.806	91	4963	1.600	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.117	105	113270	30.664	ug/l	99
85) sec-Butylbenzene	13.117	105	113270	23.218	ug/l #	56
86) p-Isopropyltoluene	13.306	119	4330	1.047	ug/l	85
90) Hexachloroethane	13.971	117	2584	3.439	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.337	75	292	2.435	ug/l #	1
95) Naphthalene	15.233	128	2089464	1080.065	ug/l	99

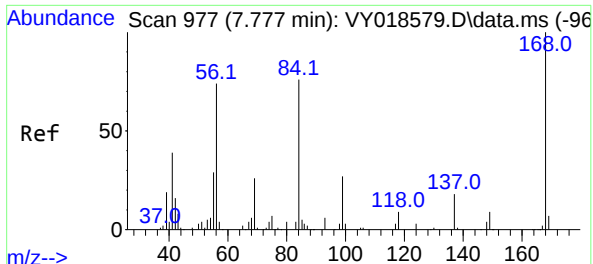
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062624\
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Instrument :
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ClientSampleId :

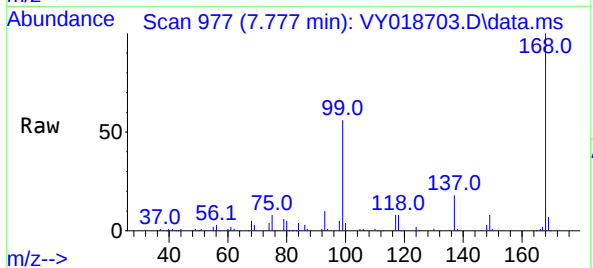
Quant Time: Jun 27 07:50:42 2024
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Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
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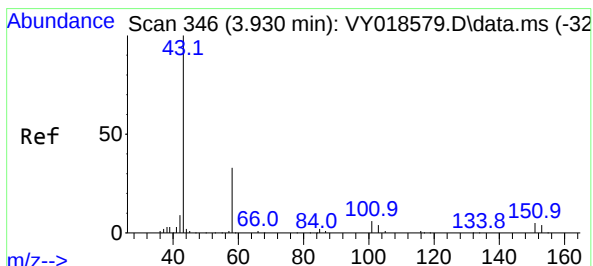
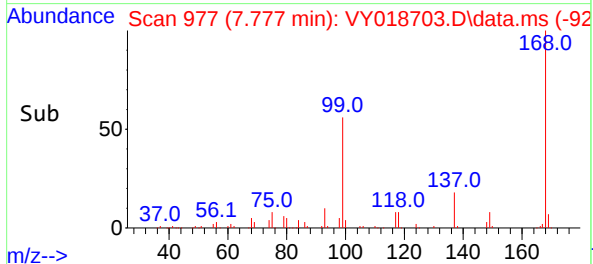
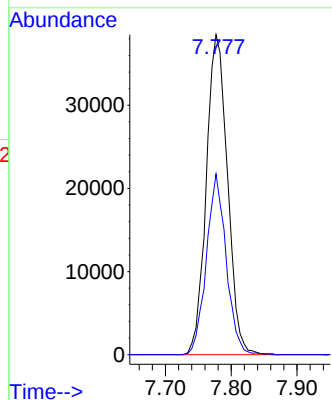


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

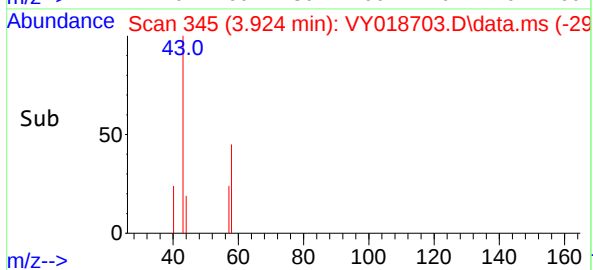
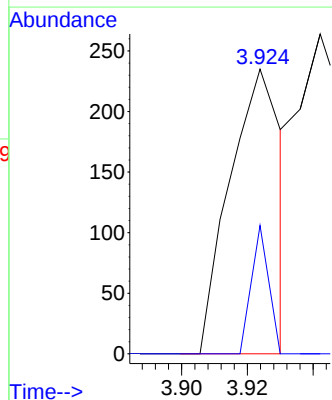
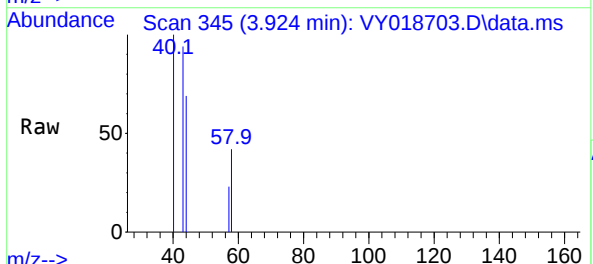


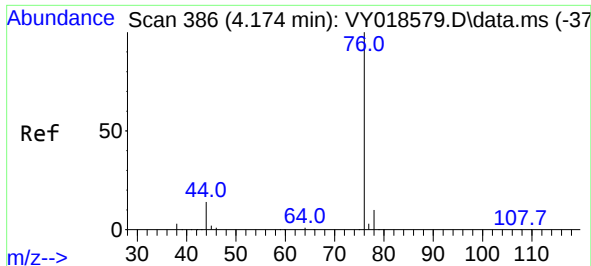
Tgt Ion:168 Resp: 86410
Ion Ratio Lower Upper
168 100
99 56.4 39.1 58.7



#16
Acetone
Concen: 1.463 ug/l
RT: 3.924 min Scan# 345
Delta R.T. -0.006 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
58 45.1 31.7 47.5





#17

Carbon Disulfide

Concen: 2.347 ug/l

RT: 4.180 min Scan# 386

Delta R.T. 0.006 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

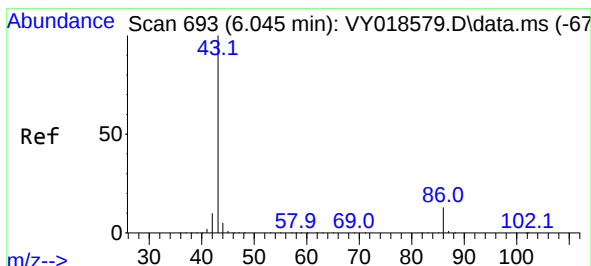
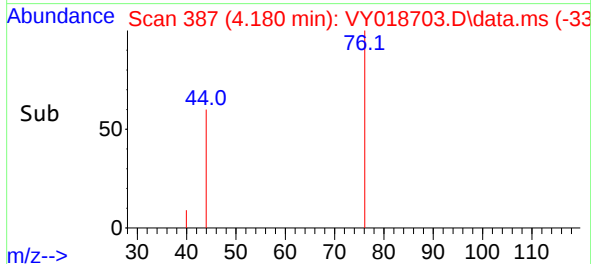
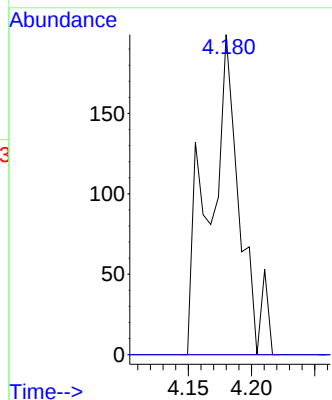
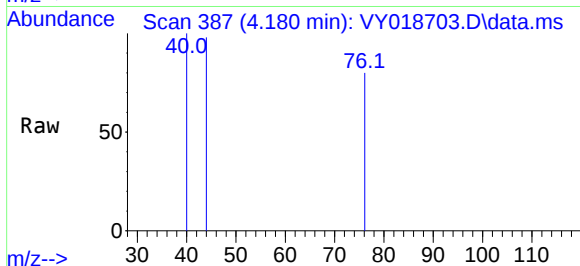
ClientSampleId :

Tgt Ion: 76 Resp: 334

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#23

Vinyl Acetate

Concen: 23.718 ug/l

RT: 6.070 min Scan# 697

Delta R.T. 0.025 min

Lab File: VY018703.D

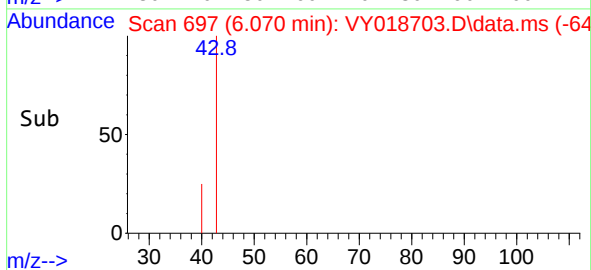
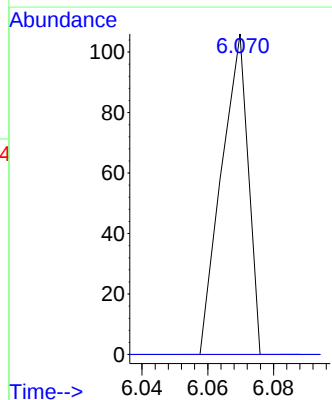
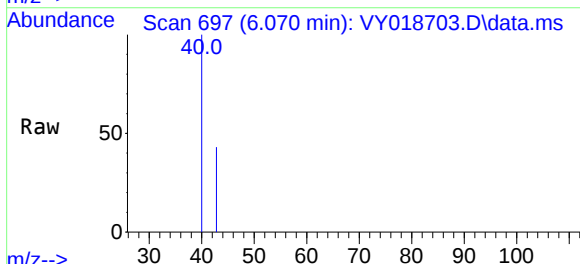
Acq: 26 Jun 2024 13:26

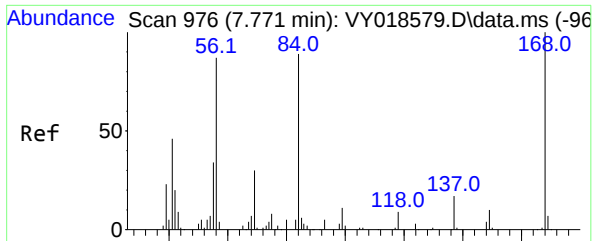
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

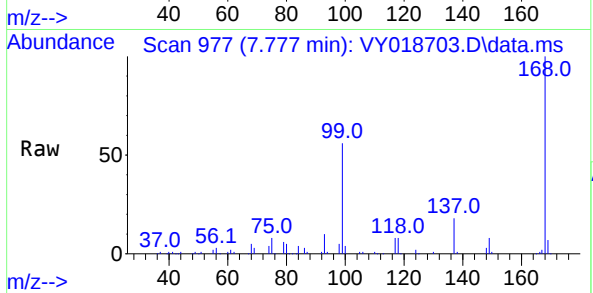
86 0.0 10.6 16.0#



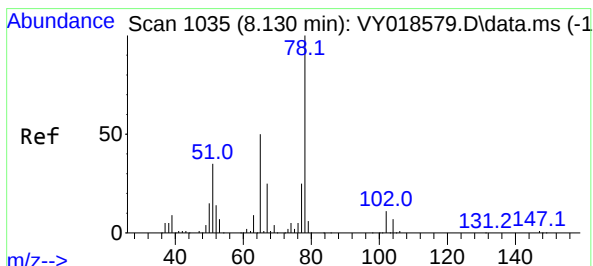
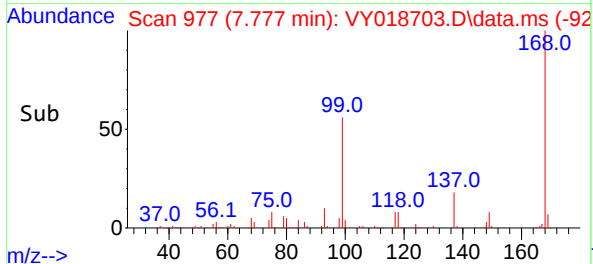
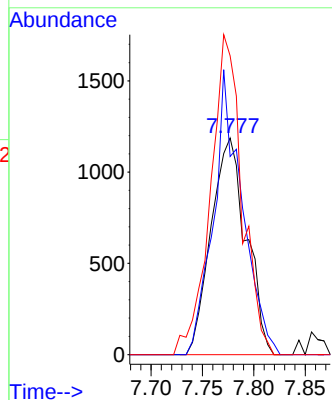


#31
Cyclohexane
Concen: 2.118 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

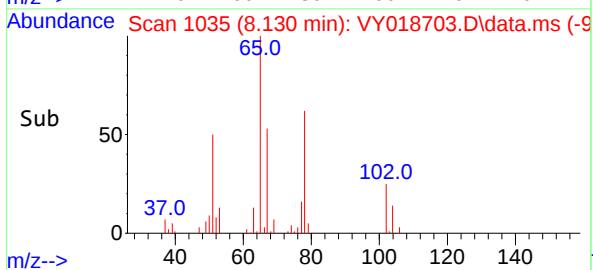
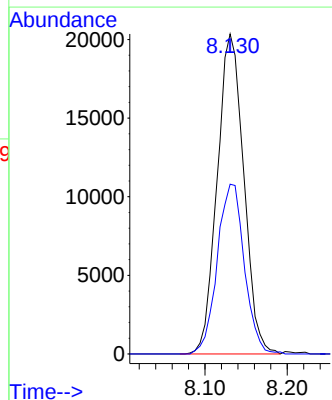
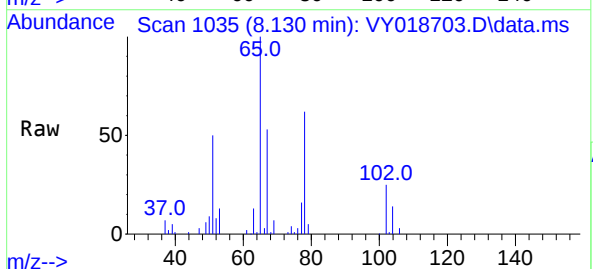


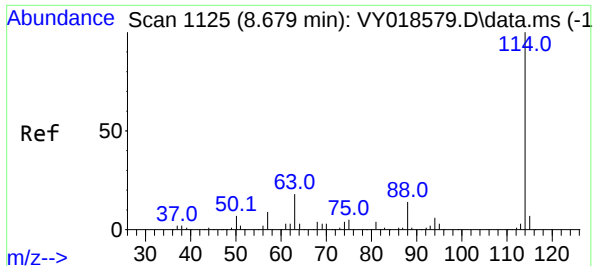
Tgt Ion: 56 Resp: 2822
Ion Ratio Lower Upper
56 100
69 91.5 28.7 43.1#
84 137.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.458 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 65 Resp: 45637
Ion Ratio Lower Upper
65 100
67 54.2 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: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

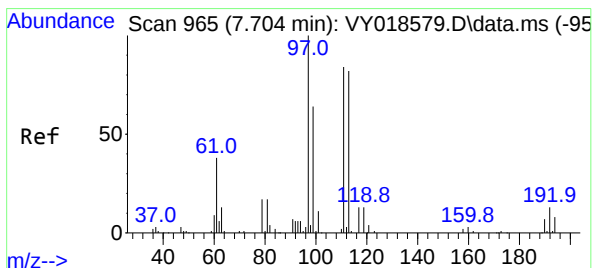
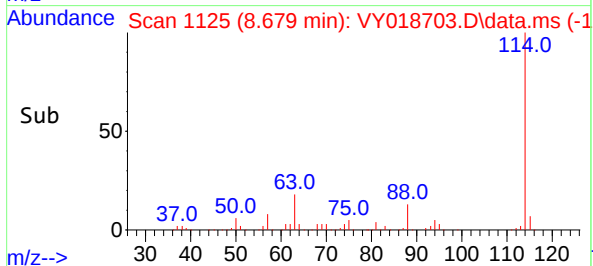
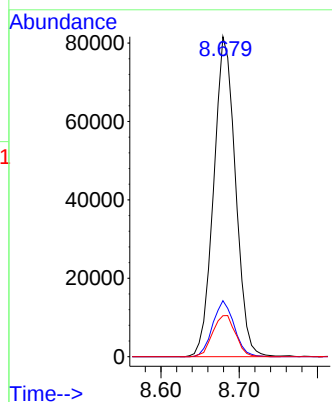
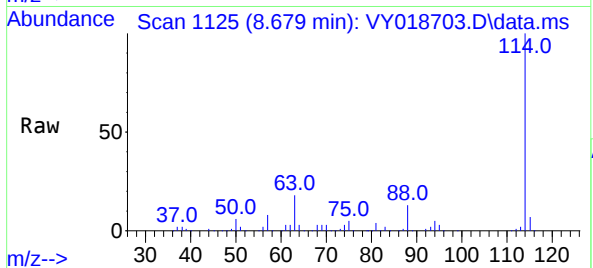
Tgt Ion:114 Resp: 157748

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 12.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.278 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

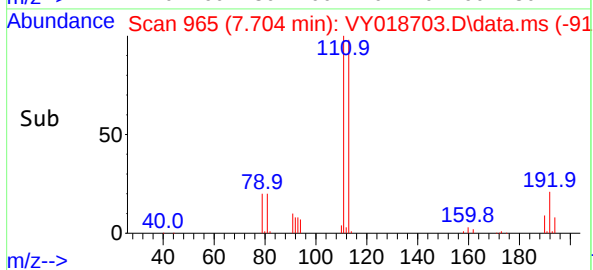
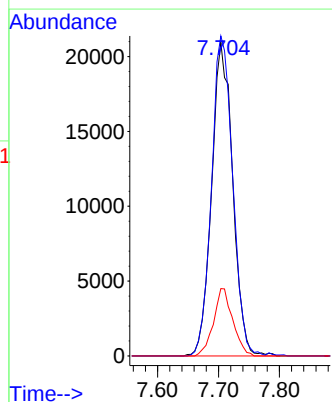
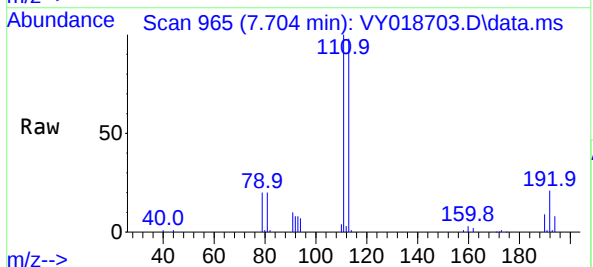
Tgt Ion:113 Resp: 50307

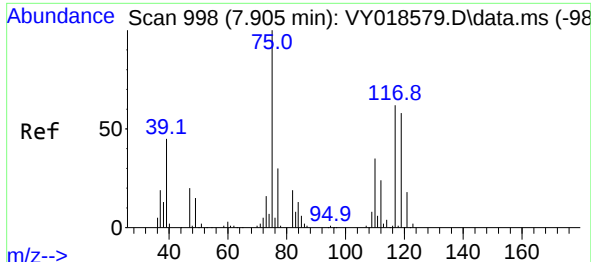
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

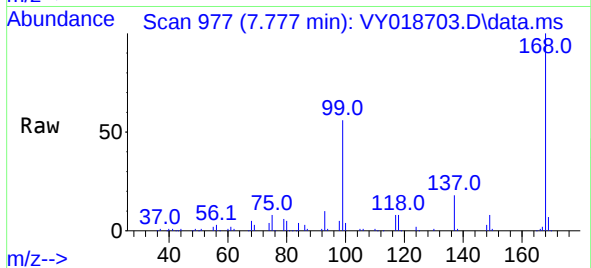
192 19.7 15.9 23.9



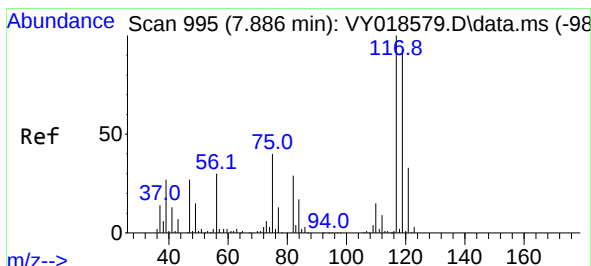
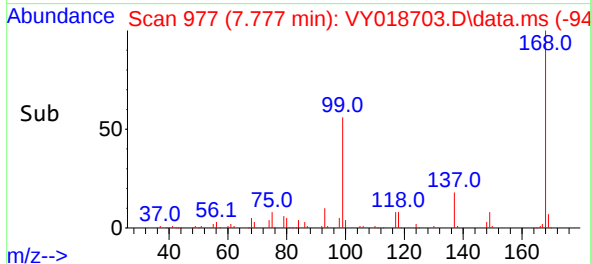
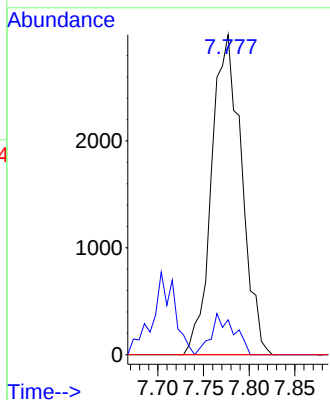


#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

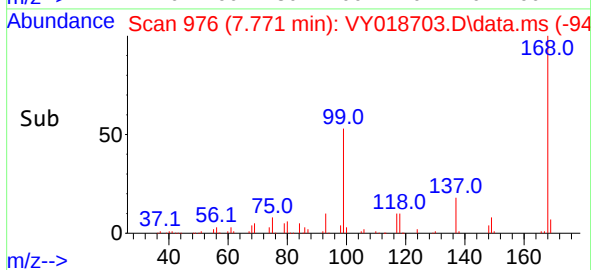
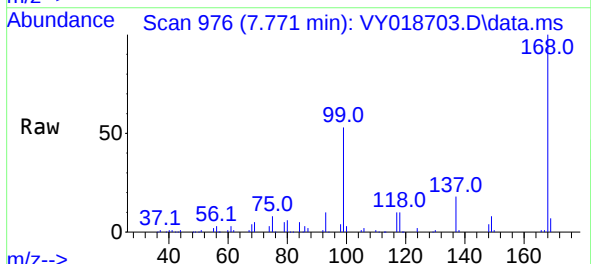
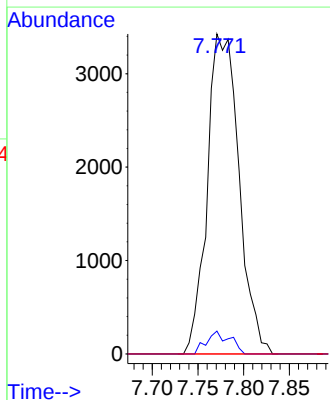


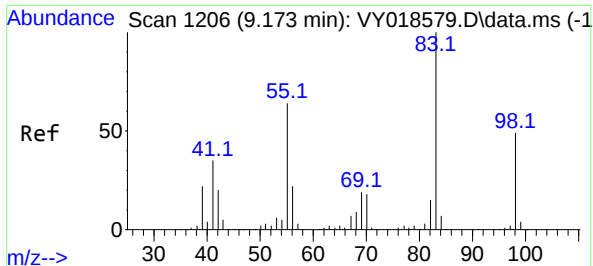
Tgt Ion: 75 Resp: 6811
Ion Ratio Lower Upper
75 100
110 9.9 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.947 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.116 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 117 Resp: 8264
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.6#
121 0.0 24.0 36.0#





#39

Methylcyclohexane

Concen: 1.534 ug/l

RT: 9.173 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

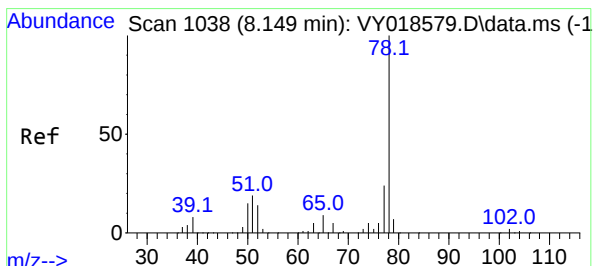
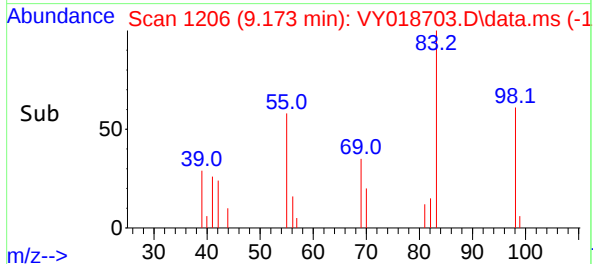
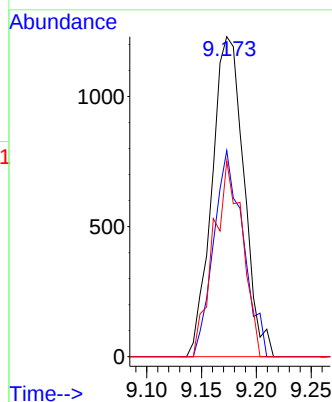
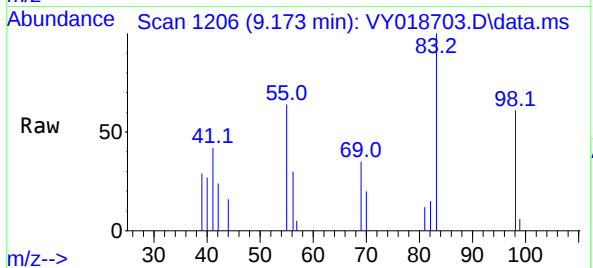
Tgt Ion: 83 Resp: 2490

Ion Ratio Lower Upper

83 100

55 64.4 51.5 77.3

98 61.1 40.5 60.7#



#40

Benzene

Concen: 16.969 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY018703.D

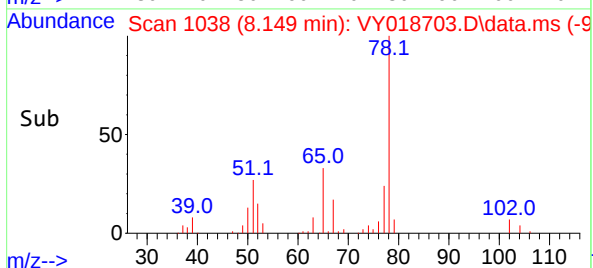
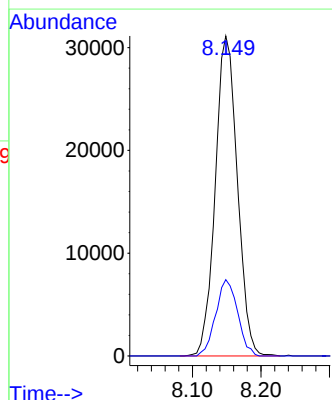
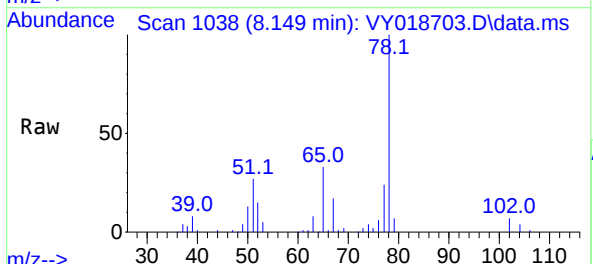
Acq: 26 Jun 2024 13:26

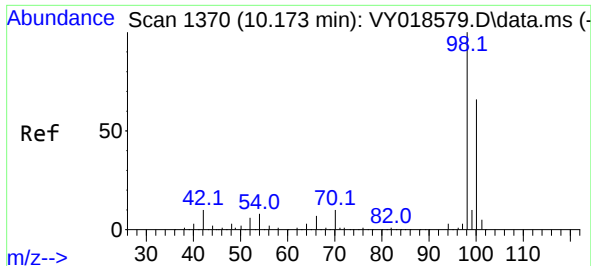
Tgt Ion: 78 Resp: 69511

Ion Ratio Lower Upper

78 100

77 23.8 19.5 29.3

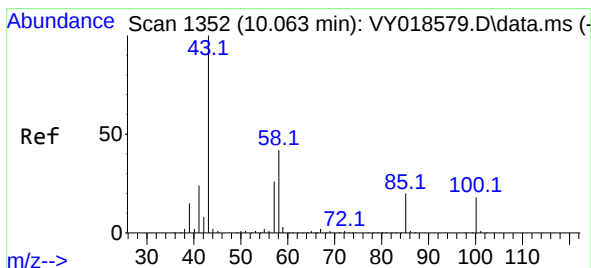
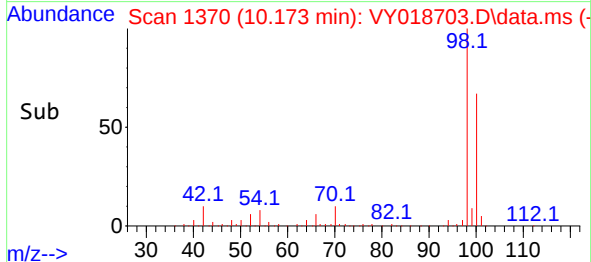
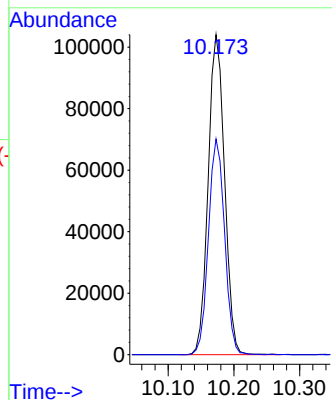
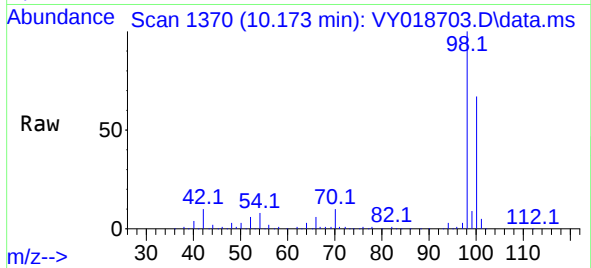




#50
Toluene-d8
Concen: 48.759 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

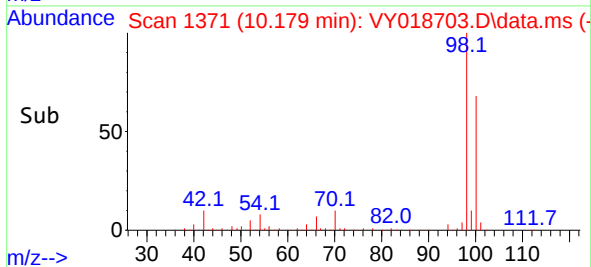
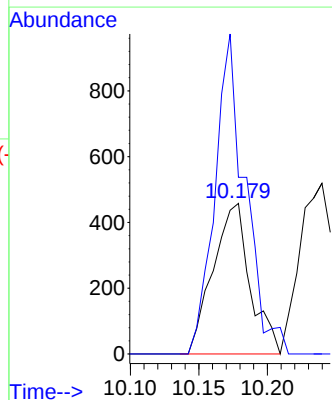
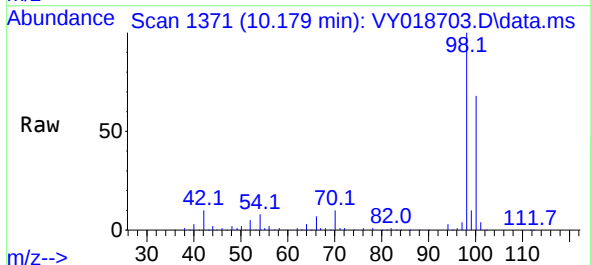
Instrument :
MSVOA_Y
ClientSampleId :

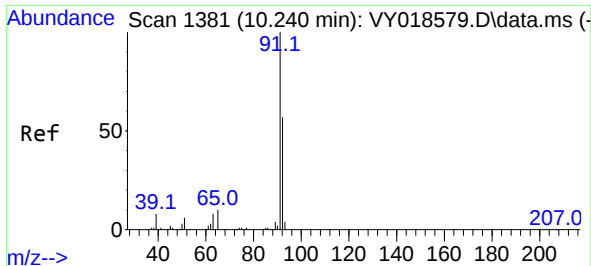
Tgt Ion: 98 Resp: 180440
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.401 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.116 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 175.2 35.7 53.5#

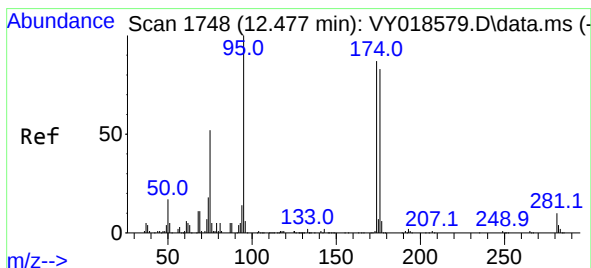
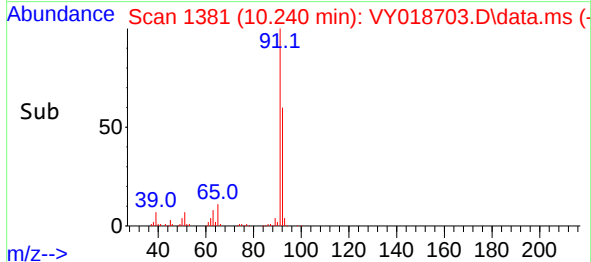
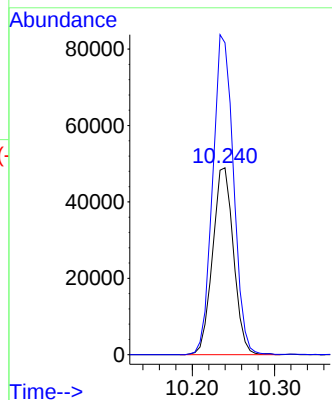
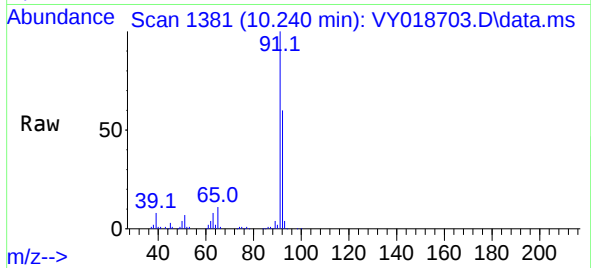




#52
Toluene
Concen: 32.829 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

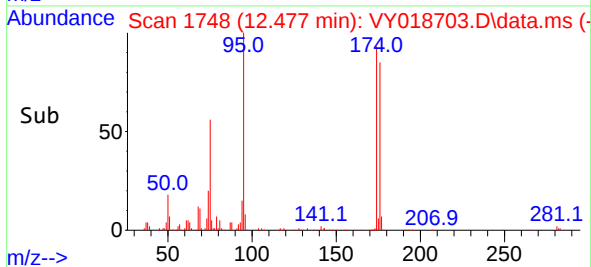
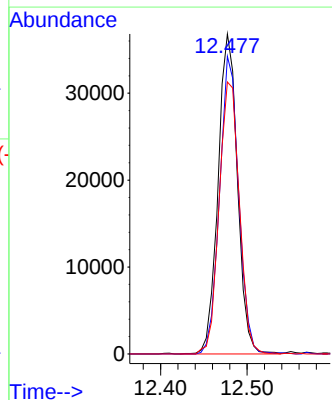
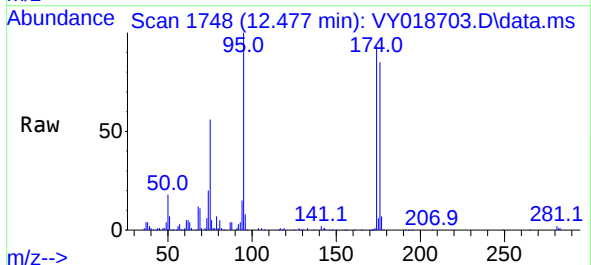
Instrument :
MSVOA_Y
ClientSampleId :

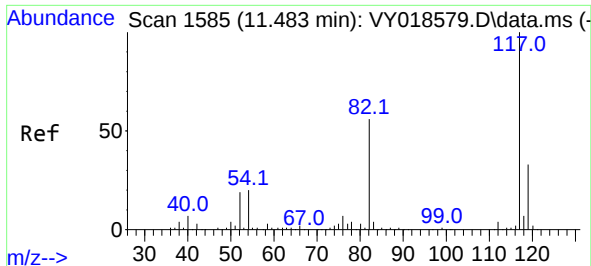
Tgt Ion: 92 Resp: 86342
Ion Ratio Lower Upper
92 100
91 170.6 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 48.960 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 95 Resp: 57213
Ion Ratio Lower Upper
95 100
174 91.7 0.0 175.6
176 88.7 0.0 171.4

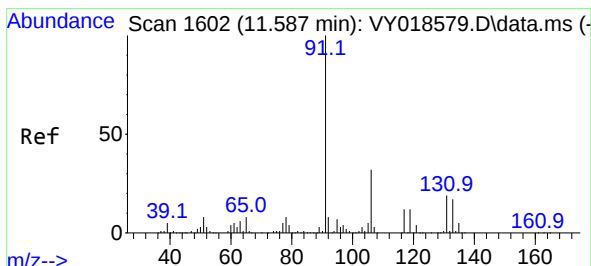
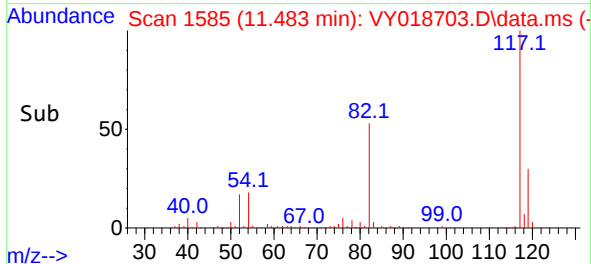
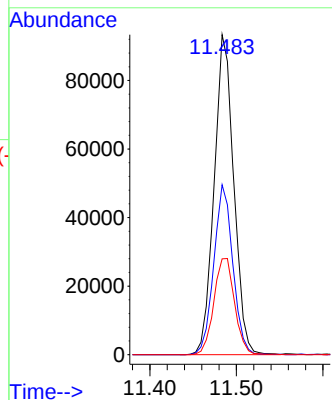
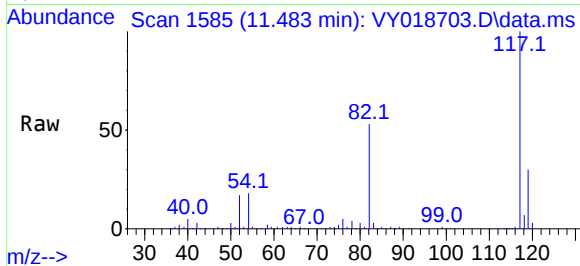




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

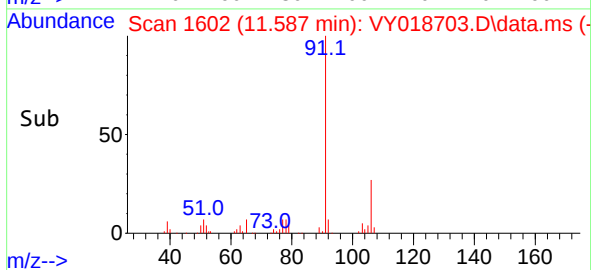
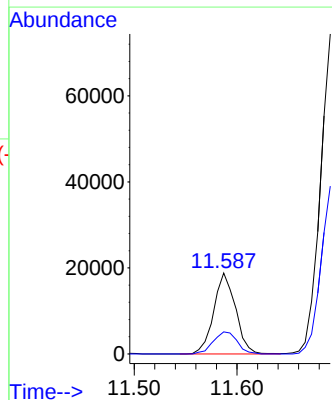
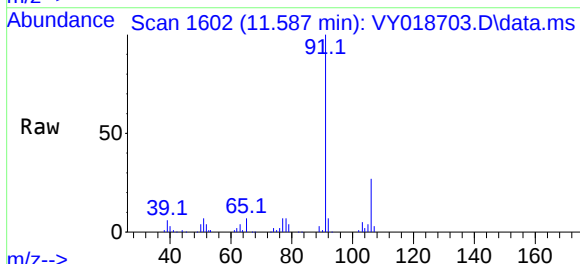
Instrument :
MSVOA_Y
ClientSampleId :

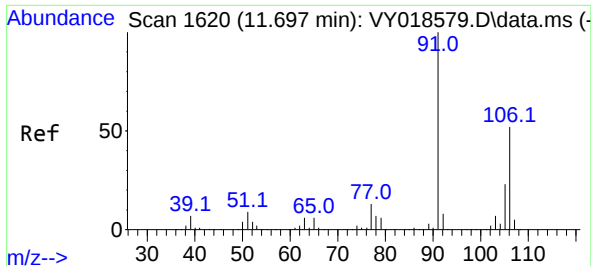
Tgt Ion:117 Resp: 146804
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 29.9 25.9 38.9



#67
Ethyl Benzene
Concen: 5.270 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 91 Resp: 27729
Ion Ratio Lower Upper
91 100
106 27.3 24.5 36.7

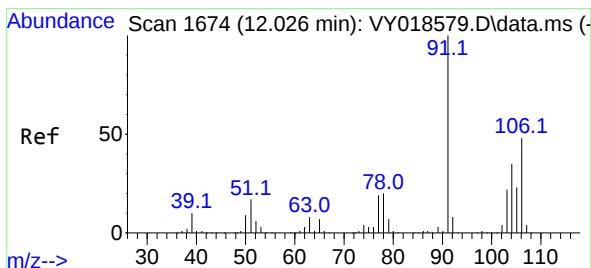
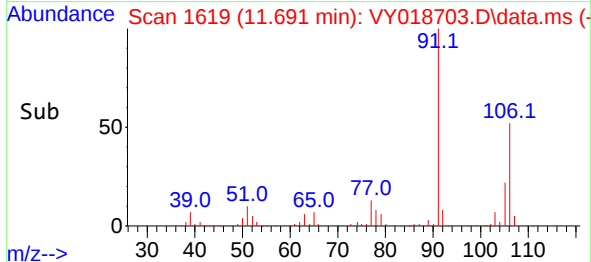
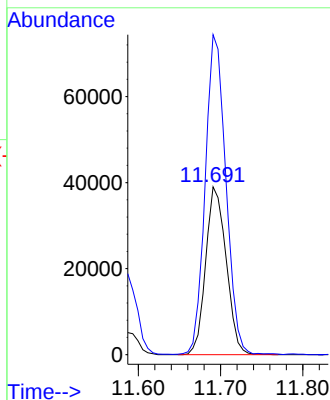
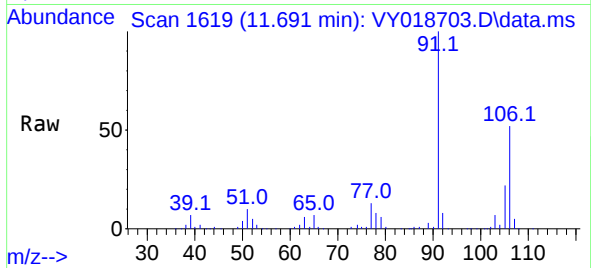




#68
m/p-Xylenes
Concen: 33.001 ug/l
RT: 11.691 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

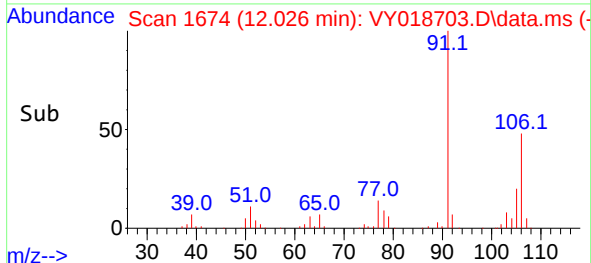
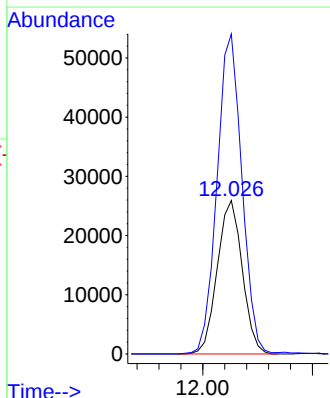
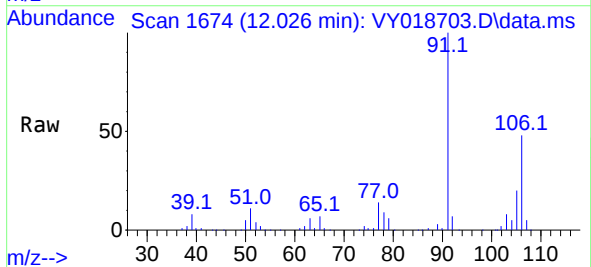
Instrument :
MSVOA_Y
ClientSampleId :

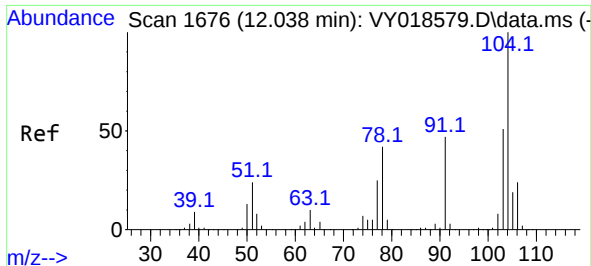
Tgt Ion:106 Resp: 67572
Ion Ratio Lower Upper
106 100
91 191.8 156.0 234.0



#69
o-Xylene
Concen: 20.849 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

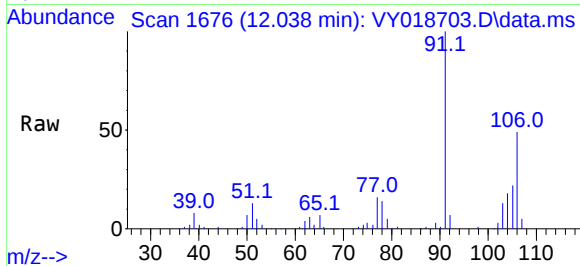
Tgt Ion:106 Resp: 41052
Ion Ratio Lower Upper
106 100
91 208.1 103.6 310.8



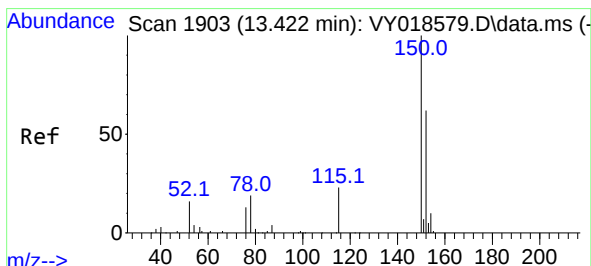
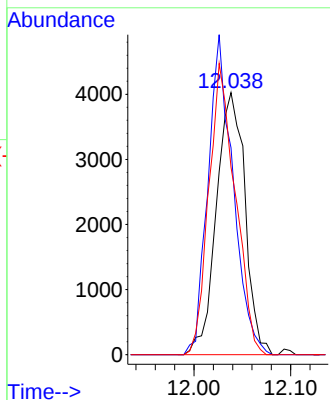
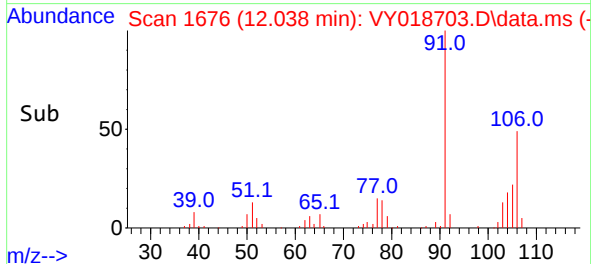


#70
Styrene
Concen: 2.541 ug/l
RT: 12.038 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

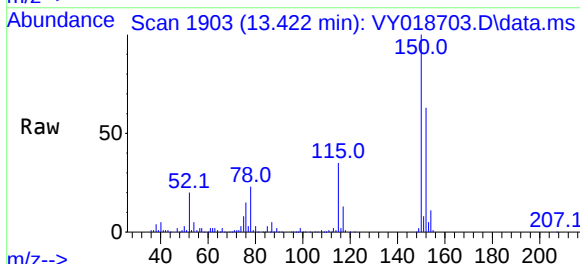
Instrument :
MSVOA_Y
ClientSampleId :



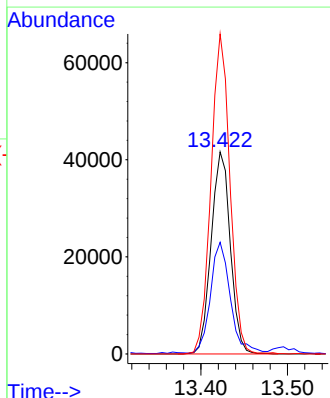
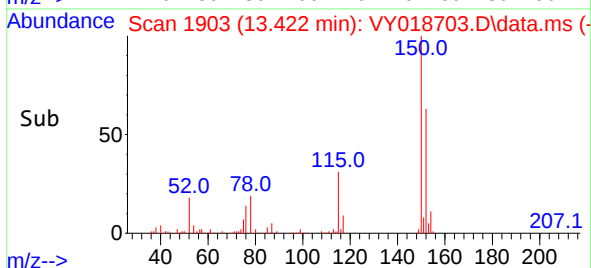
Tgt Ion:104 Resp: 8267
Ion Ratio Lower Upper
104 100
78 106.9 37.0 55.4#
103 102.6 44.2 66.2#

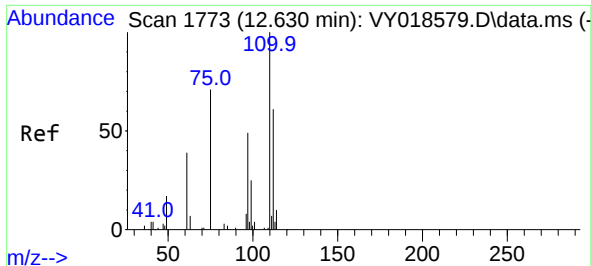


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26



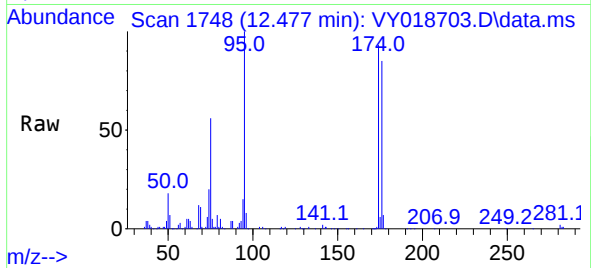
Tgt Ion:152 Resp: 63860
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 157.0 0.0 345.6



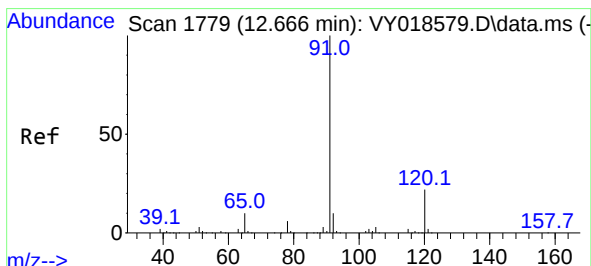
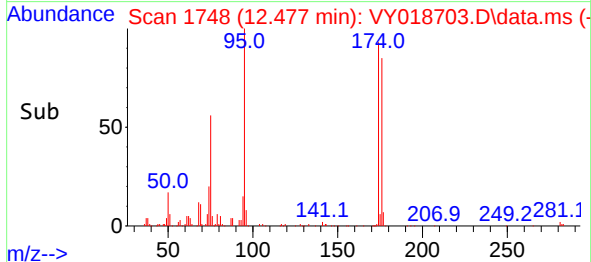
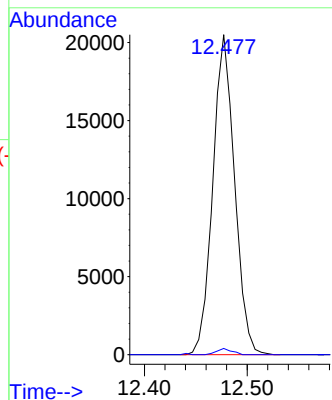


#76
1,2,3-Trichloropropane
Concen: 50.319 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

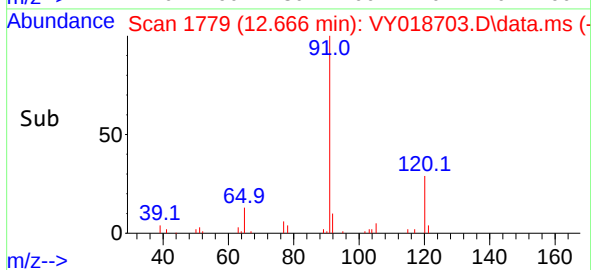
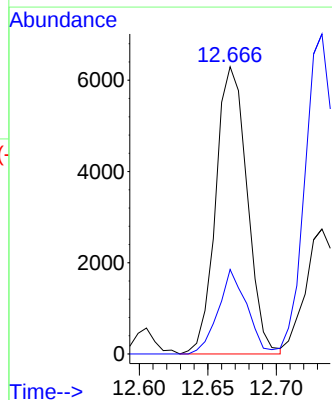
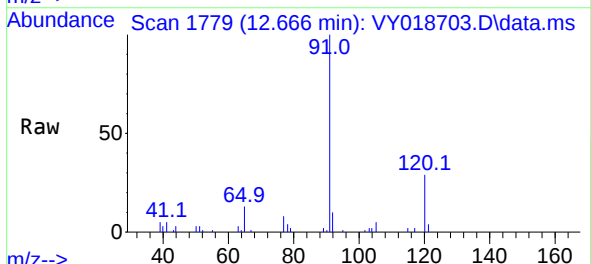


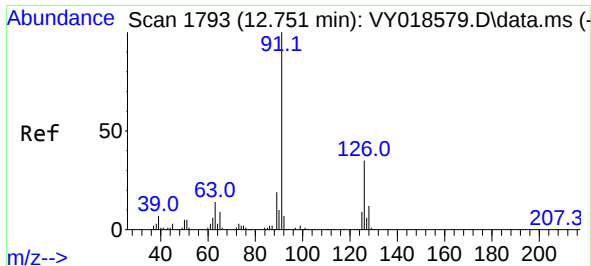
Tgt Ion: 75 Resp: 30143
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#78
n-propylbenzene
Concen: 1.839 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 91 Resp: 10035
Ion Ratio Lower Upper
91 100
120 26.8 11.5 34.4

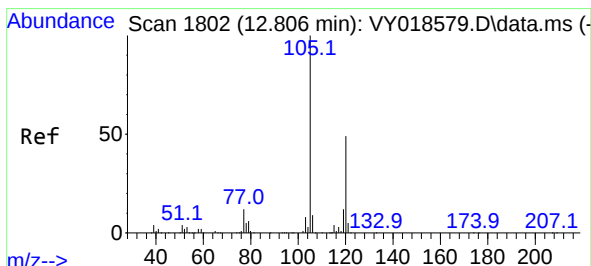
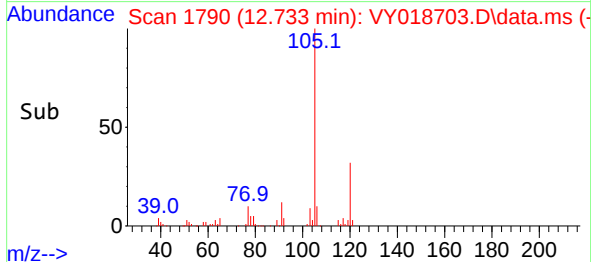
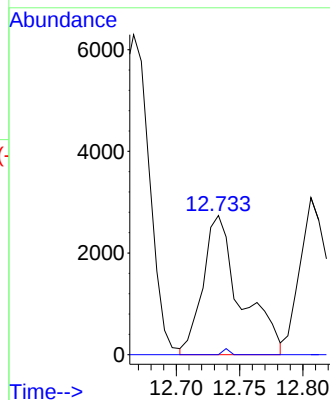
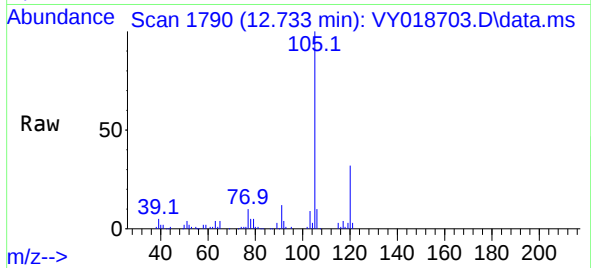




#79
2-Chlorotoluene
Concen: 1.850 ug/l
RT: 12.733 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

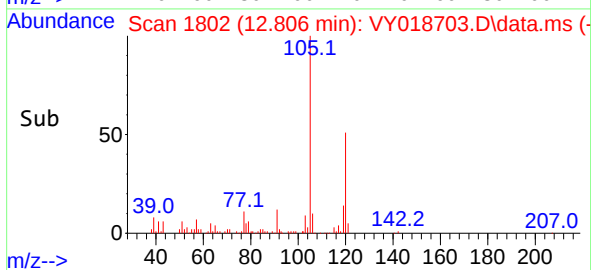
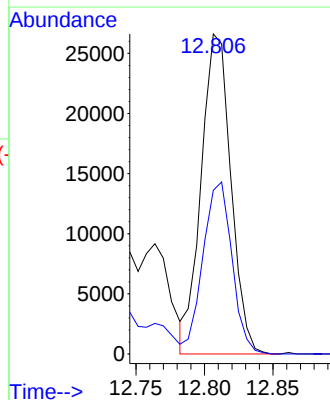
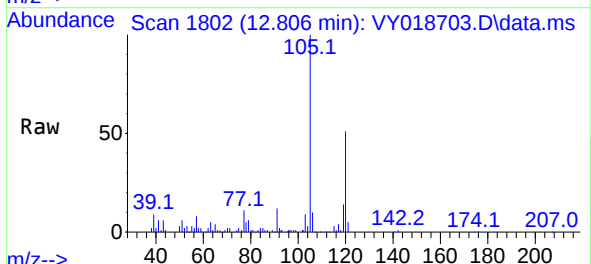
Instrument :
MSVOA_Y
ClientSampleId :

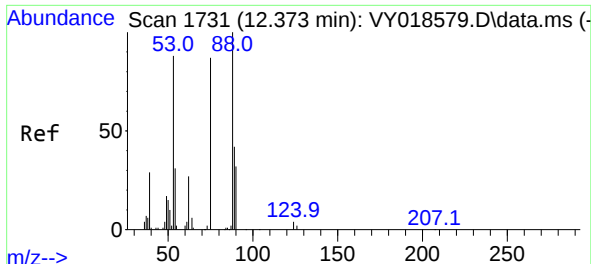
Tgt Ion: 91 Resp: 5698
Ion Ratio Lower Upper
91 100
126 0.8 17.8 53.5#



#80
1,3,5-Trimethylbenzene
Concen: 10.867 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 105 Resp: 40161
Ion Ratio Lower Upper
105 100
120 52.4 25.1 75.2

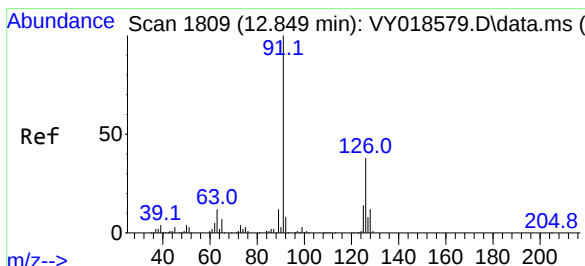
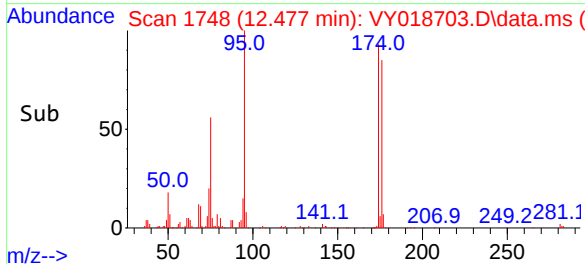
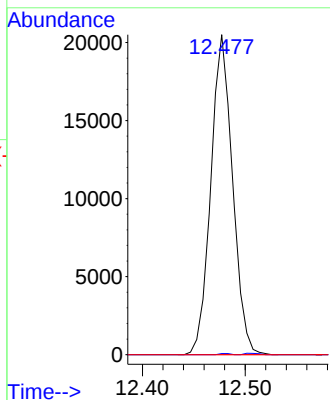
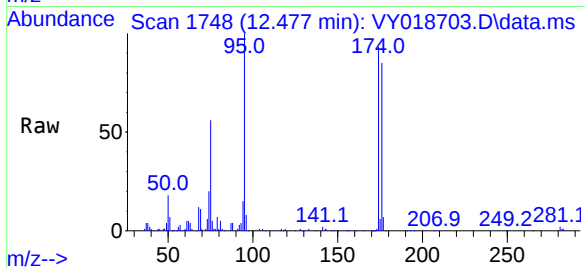




#81
trans-1,4-Dichloro-2-butene
Concen: 131.805 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

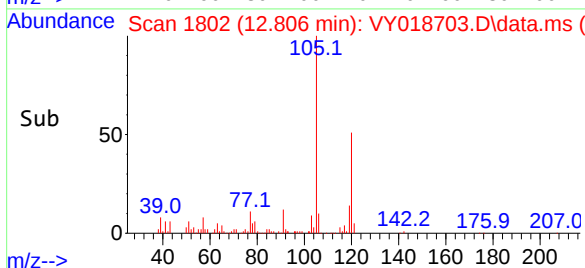
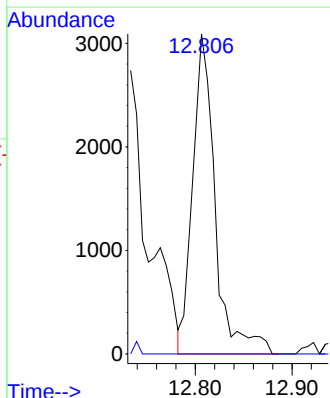
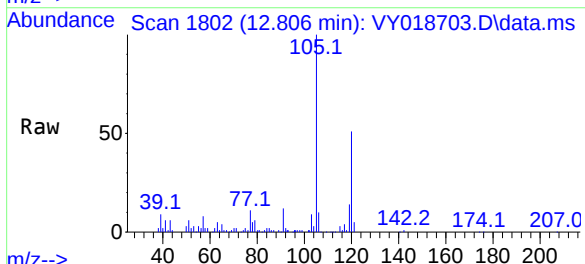
Instrument :
MSVOA_Y
ClientSampleId :

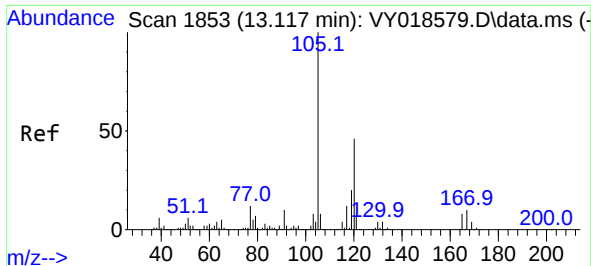
Tgt Ion: 75 Resp: 30143
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.600 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.043 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion: 91 Resp: 4963
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#

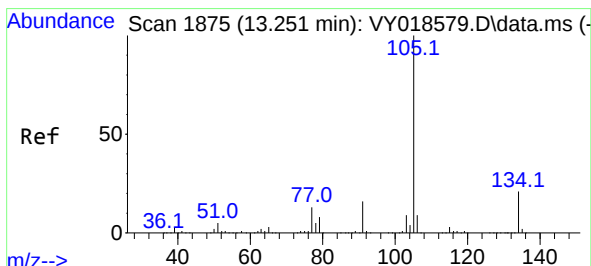
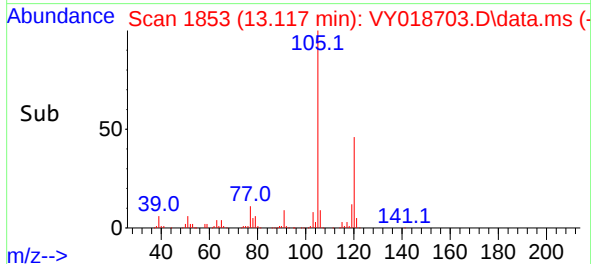
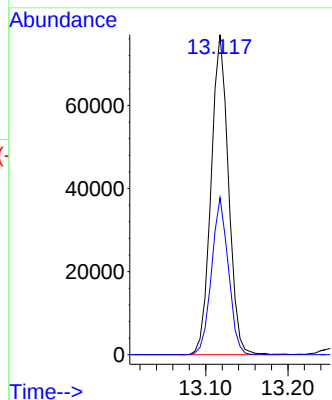
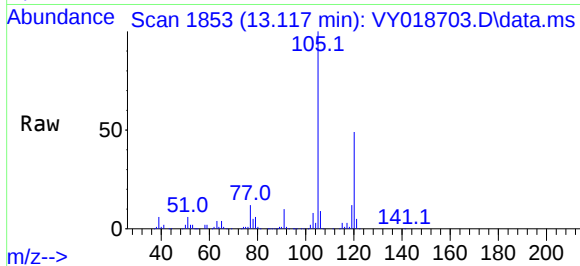




#84
1,2,4-Trimethylbenzene
Concen: 30.664 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

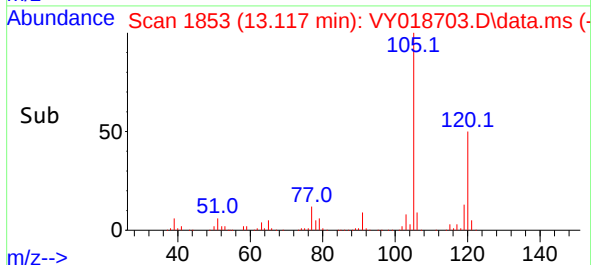
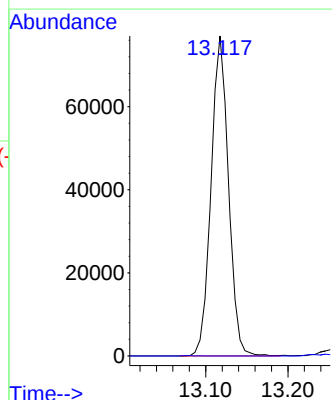
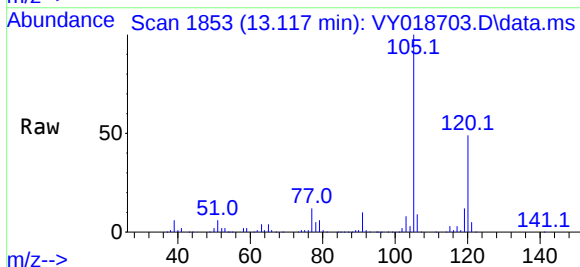
Instrument :
MSVOA_Y
ClientSampleId :

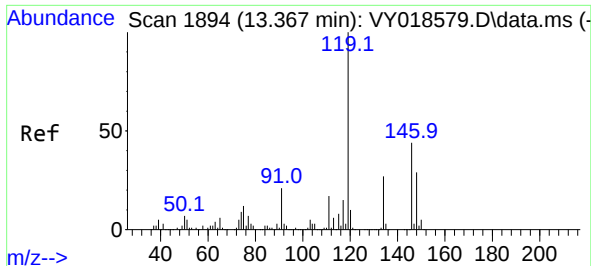
Tgt Ion:105 Resp: 113270
Ion Ratio Lower Upper
105 100
120 47.4 23.2 69.6



#85
sec-Butylbenzene
Concen: 23.218 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.134 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

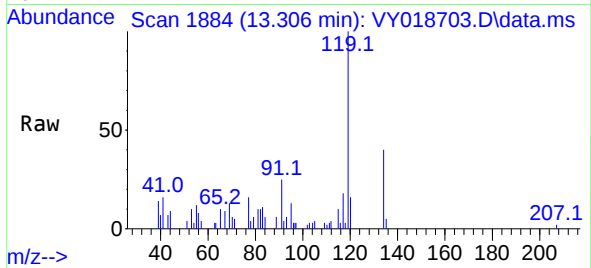
Tgt Ion:105 Resp: 113270
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#



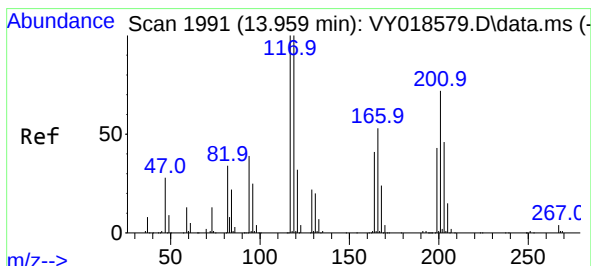
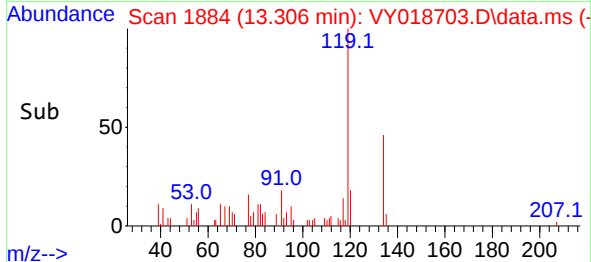
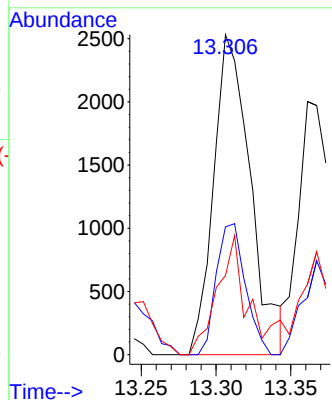


#86
p-Isopropyltoluene
Concen: 1.047 ug/l
RT: 13.306 min Scan# 1193
Delta R.T. -0.061 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Instrument :
MSVOA_Y
ClientSampleId :

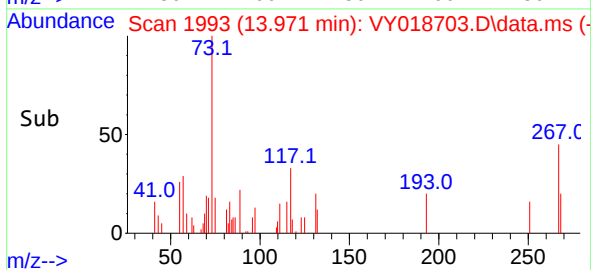
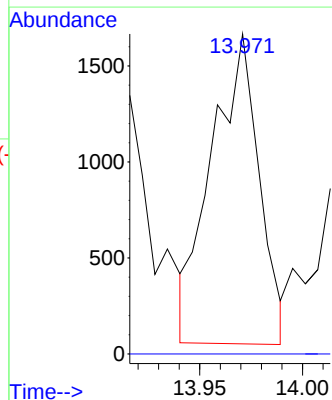
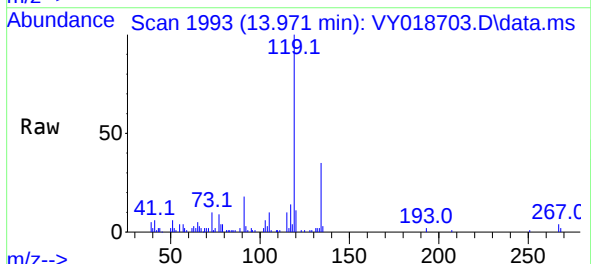


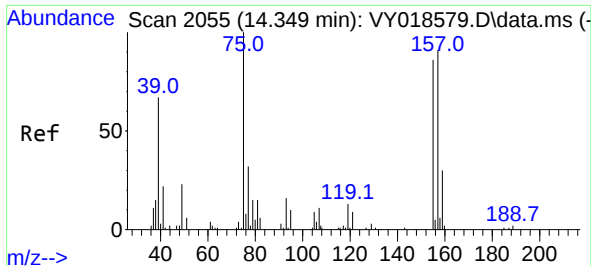
Tgt Ion:	119	Resp:	4330
Ion	Ratio	Lower	Upper
119	100		
134	32.4	13.1	39.3
91	30.0	10.7	32.1



#90
Hexachloroethane
Concen: 3.439 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY018703.D
Acq: 26 Jun 2024 13:26

Tgt Ion:	117	Resp:	2584
Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.4	112.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.435 ug/l

RT: 14.337 min Scan# 2055

Delta R.T. -0.012 min

Lab File: VY018703.D

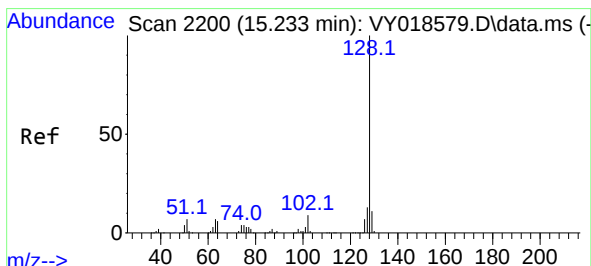
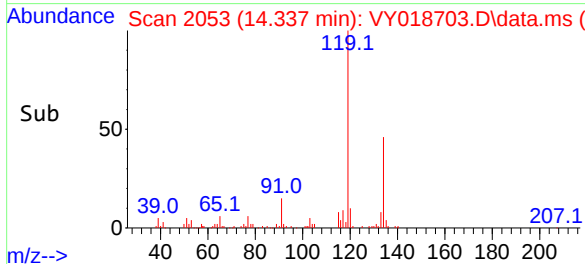
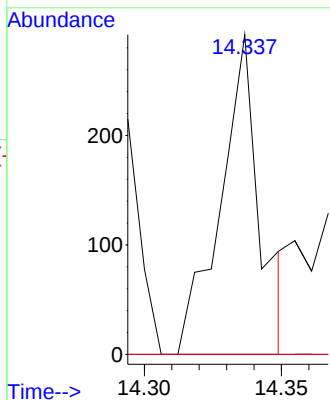
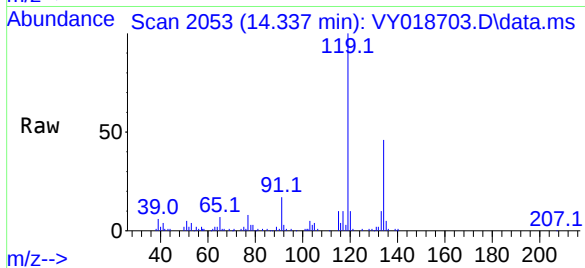
Acq: 26 Jun 2024 13:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	292
Ion Ratio	Lower	Upper
75	100	
155	0.0	48.6 145.8#
157	0.0	62.7 188.2#



#95

Naphthalene

Concen: 1080.065 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY018703.D

Acq: 26 Jun 2024 13:26

Tgt Ion: 128	Resp:	2089464
Ion Ratio	Lower	Upper
128	100	
127	12.7	10.6 16.0
129	11.0	8.6 13.0

