

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062624\
 Data File : VY018704.D
 Acq On : 26 Jun 2024 13:51
 Operator : SY/MD
 Sample : P3045-09
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

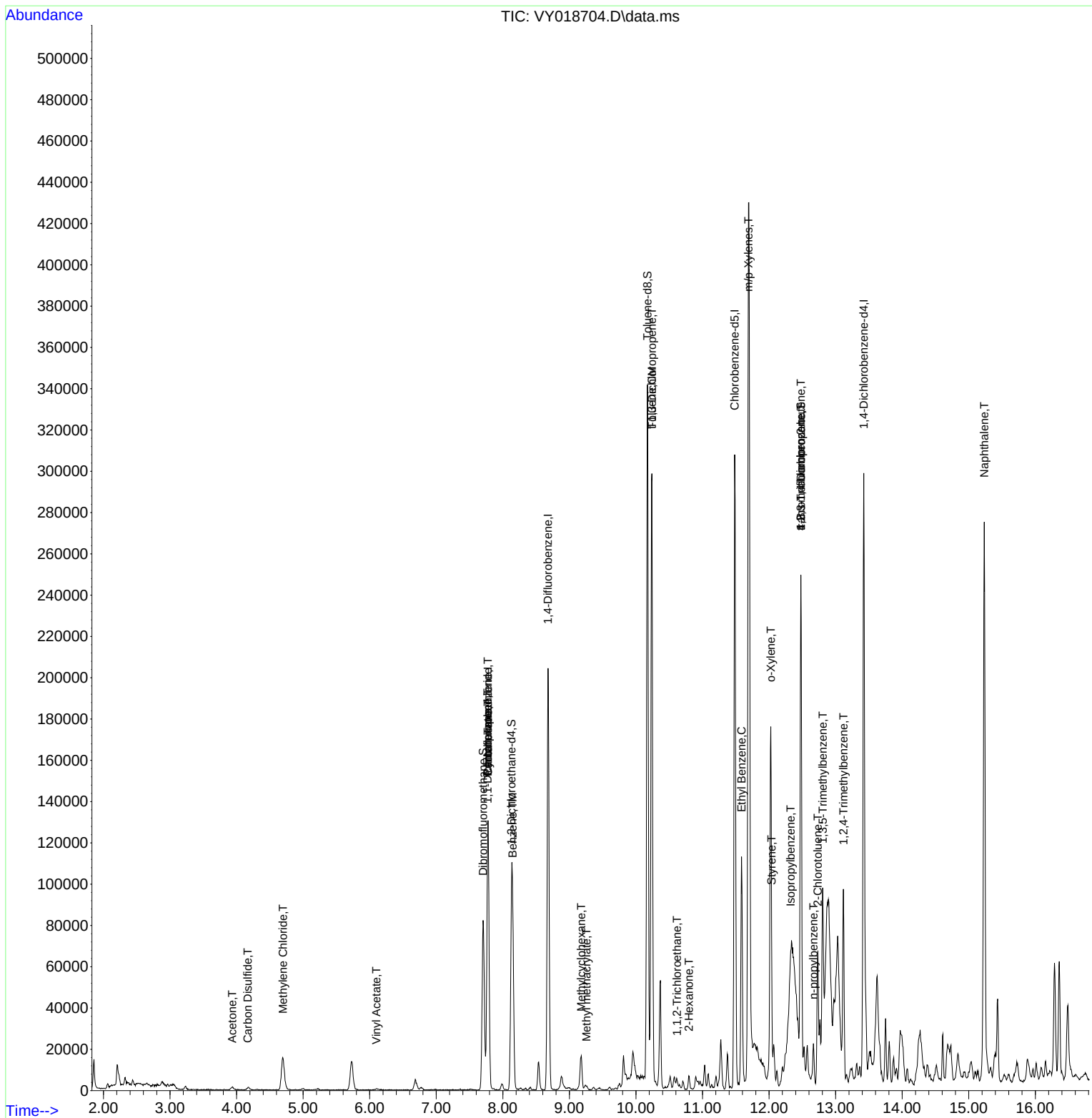
Quant Time: Jun 27 07:50:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

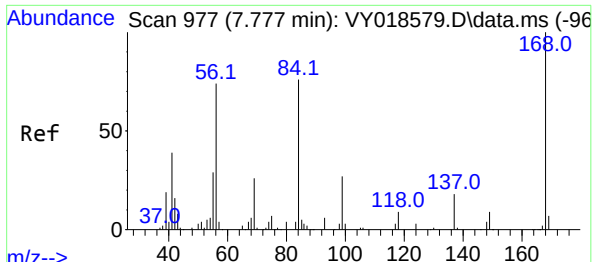
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.777	168	101285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	181971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	173620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	52137	51.128	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.260%			
35) Dibromofluoromethane	7.703	113	58897	53.058	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.120%			
50) Toluene-d8	10.173	98	217725	51.003	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.477	95	70352	52.190	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.380%			
Target Compounds					Qvalue	
16) Acetone	3.936	43	2401	11.573	ug/l	94
17) Carbon Disulfide	4.168	76	2242	2.953	ug/l	96
20) Methylene Chloride	4.698	84	13090	1.557	ug/l	96
23) Vinyl Acetate	6.100	43	50	23.712	ug/l #	67
31) Cyclohexane	7.777	56	3728	2.387	ug/l #	57
36) 1,1-Dichloropropene	7.771	75	6897	4.514	ug/l #	51
38) Carbon Tetrachloride	7.777	117	9914	6.185	ug/l #	16
39) Methylcyclohexane	9.179	83	7416	3.961	ug/l	100
40) Benzene	8.148	78	65660	13.895	ug/l	100
48) Methyl methacrylate	9.258	41	663	1.095	ug/l #	27
52) Toluene	10.240	92	128763	42.441	ug/l	98
53) t-1,3-Dichloropropene	10.240	75	1683	1.204	ug/l #	1
55) 1,1,2-Trichloroethane	10.618	97	1501	1.683	ug/l #	20
59) 2-Hexanone	10.794	43	2571	5.183	ug/l #	21
67) Ethyl Benzene	11.587	91	75688	12.162	ug/l	96
68) m/p-Xylenes	11.691	106	133780	55.245	ug/l	98
69) o-Xylene	12.026	106	46874	20.129	ug/l	98
70) Styrene	12.038	104	5315	1.382	ug/l #	1
73) Isopropylbenzene	12.325	105	6990	1.265	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	36084	50.838	ug/l #	100
78) n-propylbenzene	12.666	91	14820	2.292	ug/l	99
79) 2-Chlorotoluene	12.733	91	4589	1.257	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.806	105	19854	4.534	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36084	133.165	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	48241	11.022	ug/l	99
95) Naphthalene	15.233	128	222645	97.131	ug/l	99

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

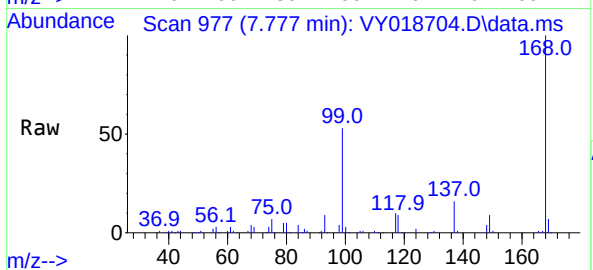
Quant Time: Jun 27 07:50:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration



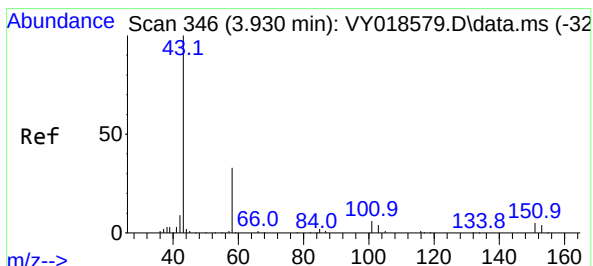
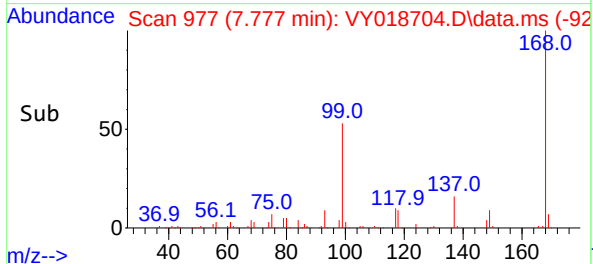
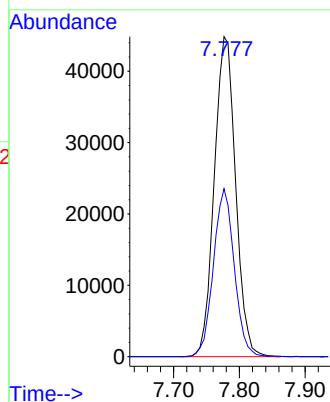


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

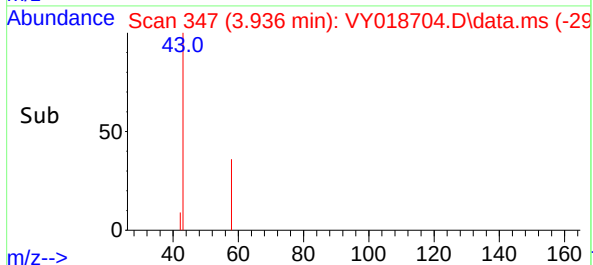
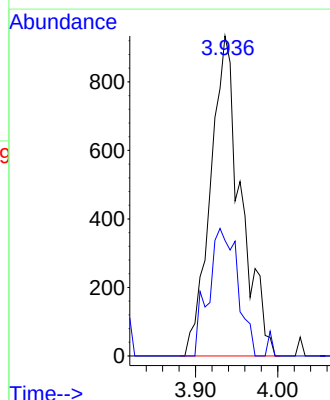
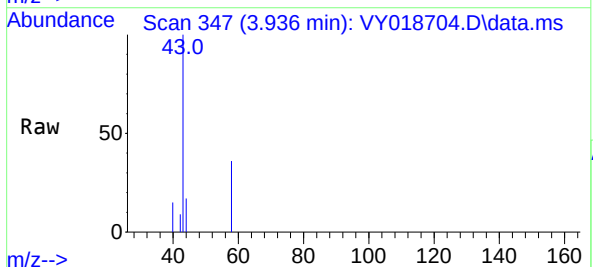


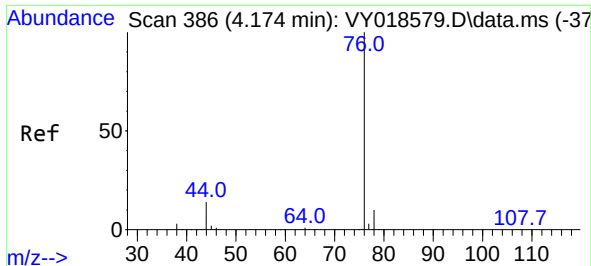
Tgt Ion:168 Resp: 101285
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#16
Acetone
Concen: 11.573 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 43 Resp: 2401
Ion Ratio Lower Upper
43 100
58 36.1 31.7 47.5

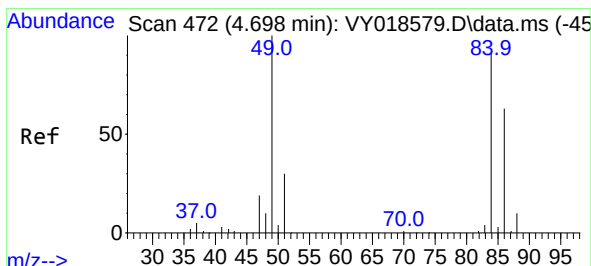
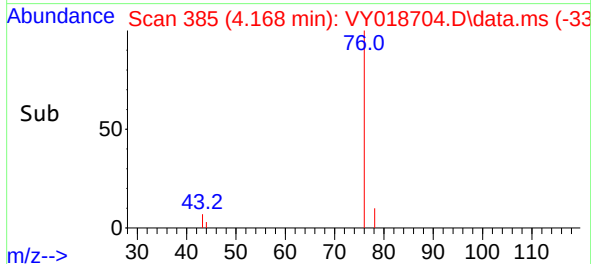
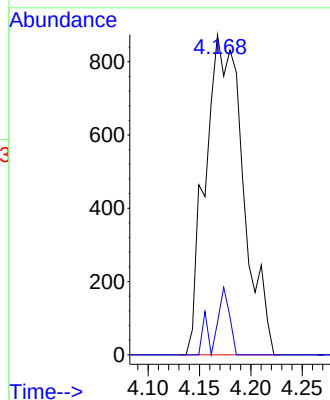
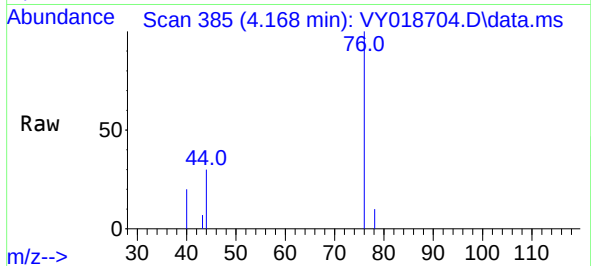




#17
Carbon Disulfide
Concen: 2.953 ug/l
RT: 4.168 min Scan# 386
Delta R.T. -0.006 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

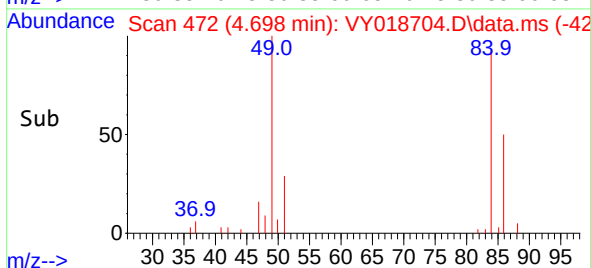
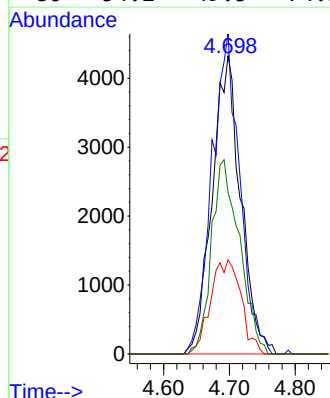
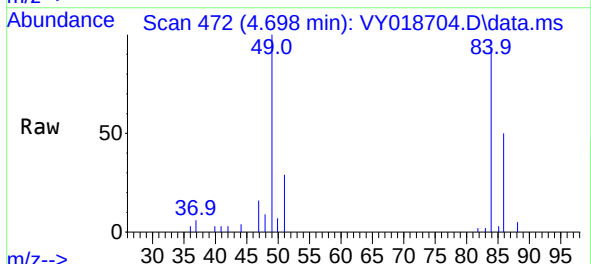
Instrument :
MSVOA_Y
ClientSampleId :

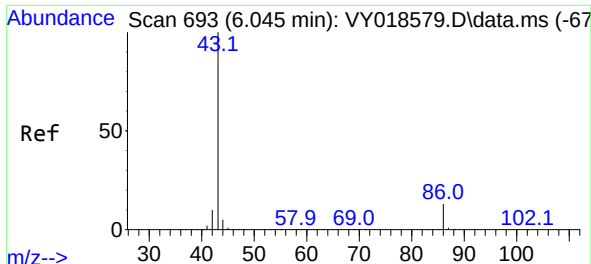
Tgt Ion: 76 Resp: 2242
Ion Ratio Lower Upper
76 100
78 10.1 6.8 10.2



#20
Methylene Chloride
Concen: 1.557 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 84 Resp: 13090
Ion Ratio Lower Upper
84 100
49 107.4 84.4 126.6
51 31.6 26.0 39.0
86 54.2 49.5 74.3

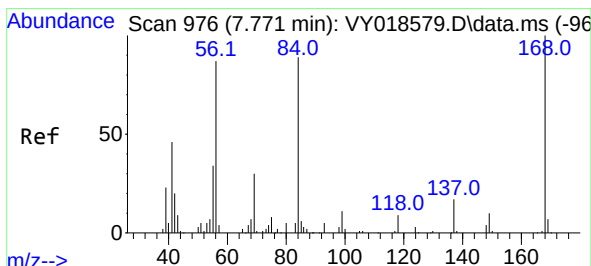
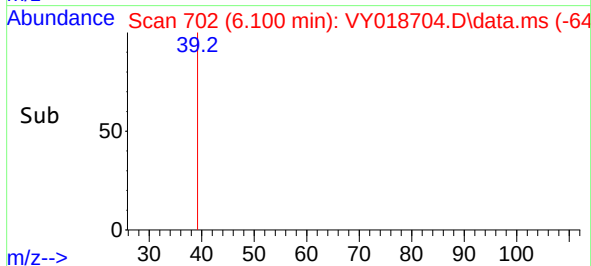
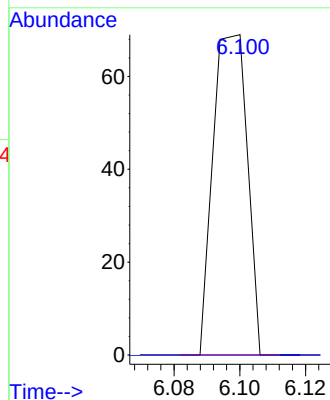
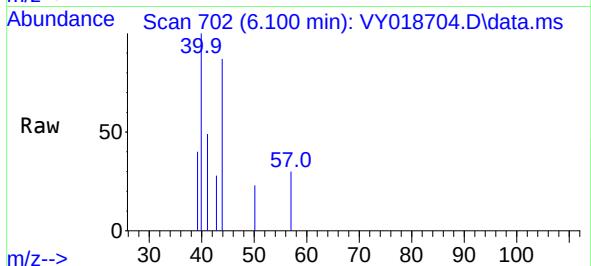




#23
 Vinyl Acetate
 Concen: 23.712 ug/l
 RT: 6.100 min Scan# 702
 Delta R.T. 0.055 min
 Lab File: VY018704.D
 Acq: 26 Jun 2024 13:51

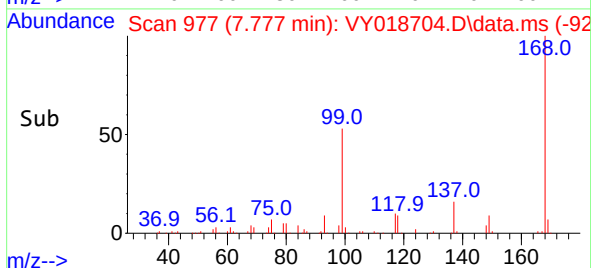
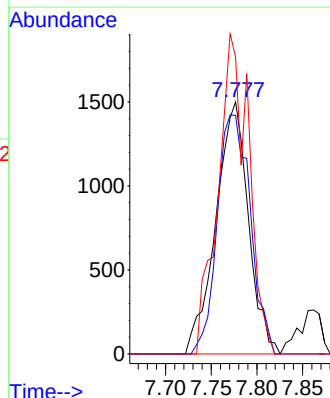
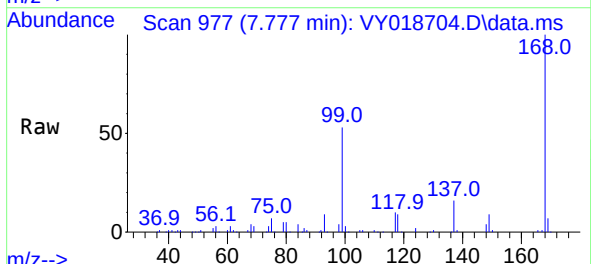
Instrument :
 MSVOA_Y
 ClientSampleId :

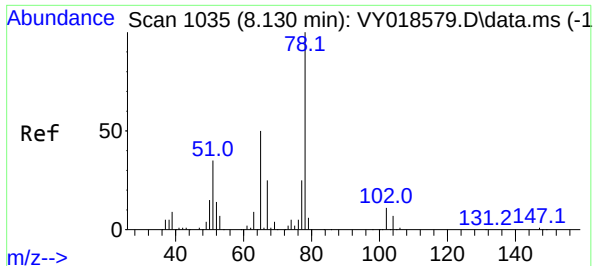
Tgt Ion: 43 Resp: 50
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.6 16.0#



#31
 Cyclohexane
 Concen: 2.387 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VY018704.D
 Acq: 26 Jun 2024 13:51

Tgt Ion: 56 Resp: 3728
 Ion Ratio Lower Upper
 56 100
 69 94.7 28.7 43.1#
 84 118.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.128 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VY018704.D

Acq: 26 Jun 2024 13:51

Instrument :

MSVOA_Y

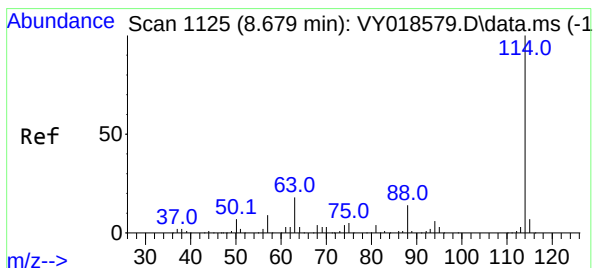
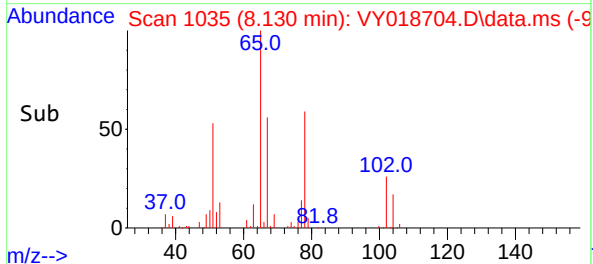
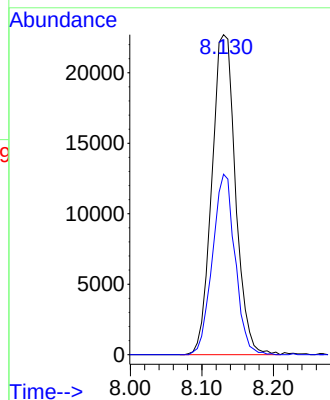
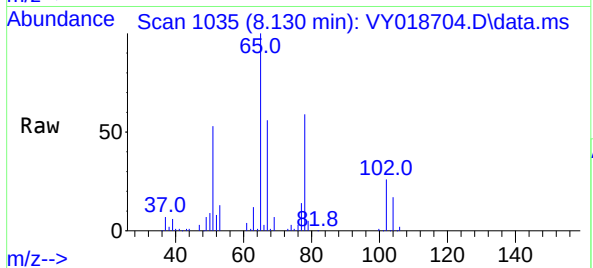
ClientSampleId :

Tgt Ion: 65 Resp: 52137

Ion Ratio Lower Upper

65 100

67 53.9 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: VY018704.D

Acq: 26 Jun 2024 13:51

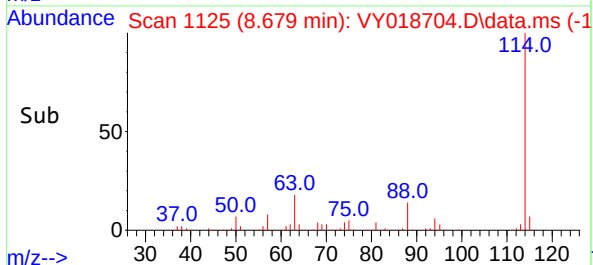
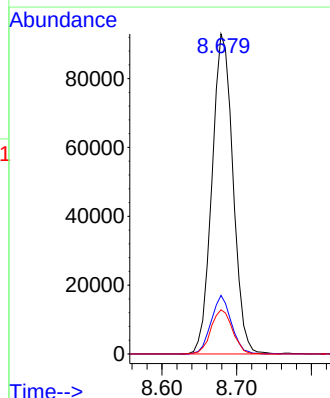
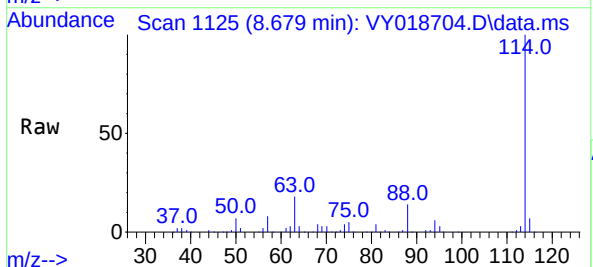
Tgt Ion: 114 Resp: 181971

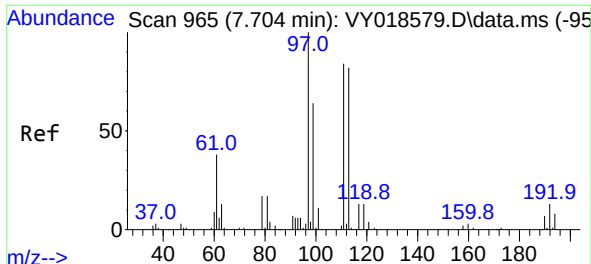
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

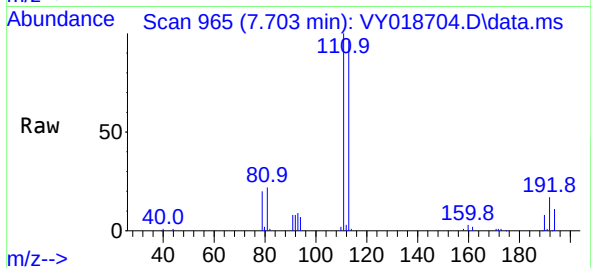
88 13.8 0.0 27.2



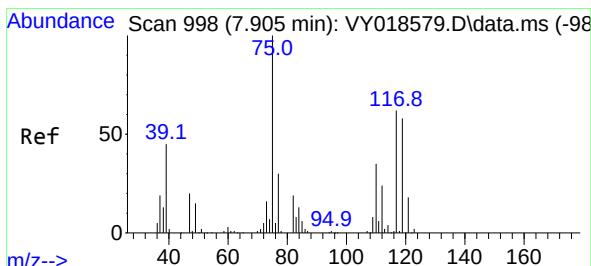
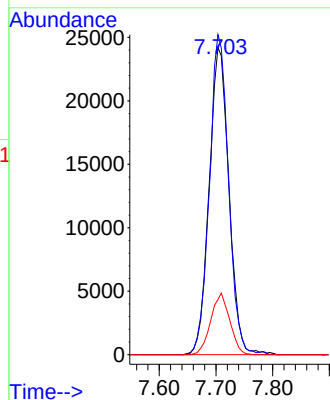
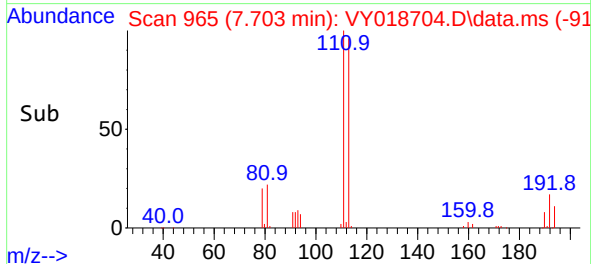


#35
Dibromofluoromethane
Concen: 53.058 ug/l
RT: 7.703 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

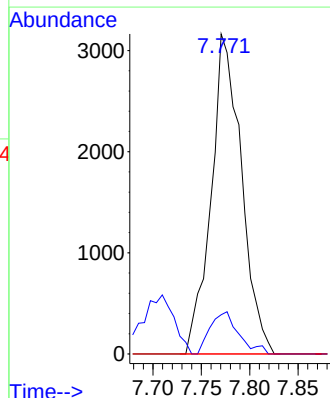
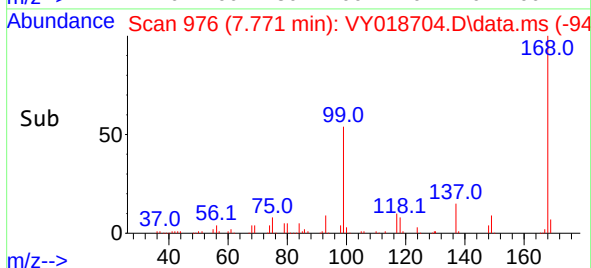
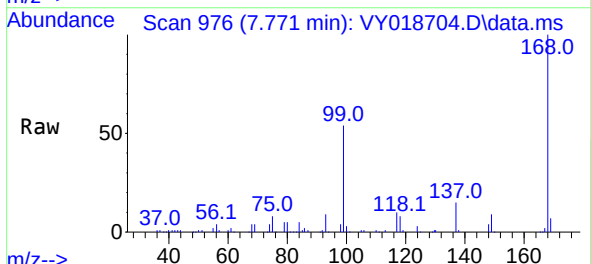


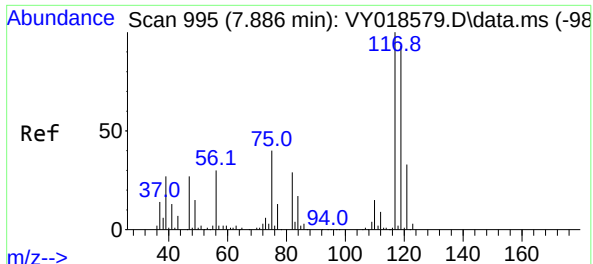
Tgt Ion:113 Resp: 58897
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.4
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.134 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

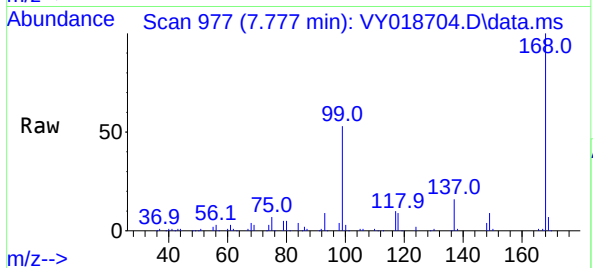
Tgt Ion: 75 Resp: 6897
Ion Ratio Lower Upper
75 100
110 12.4 19.0 57.0#
77 0.0 25.3 37.9#



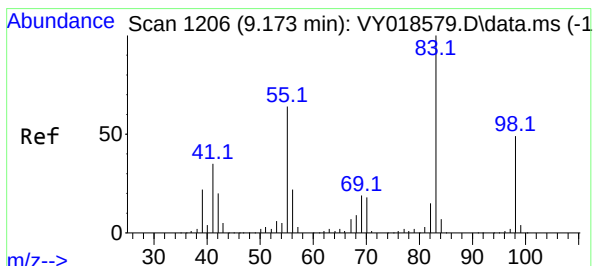
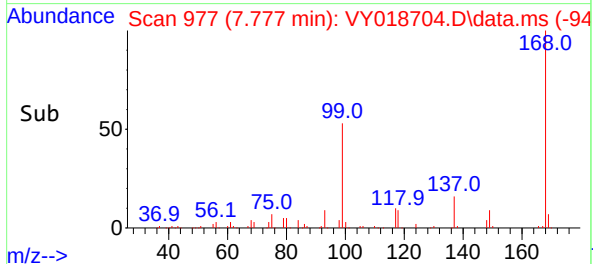
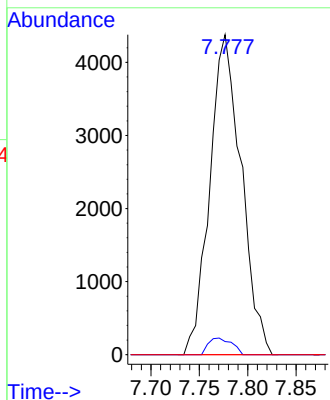


#38
Carbon Tetrachloride
Concen: 6.185 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

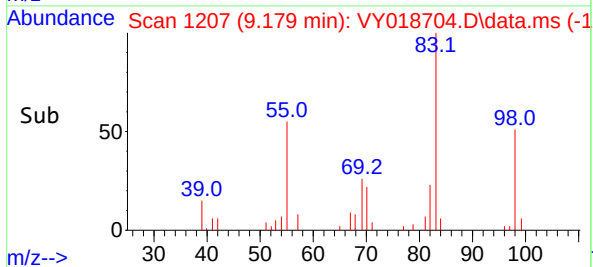
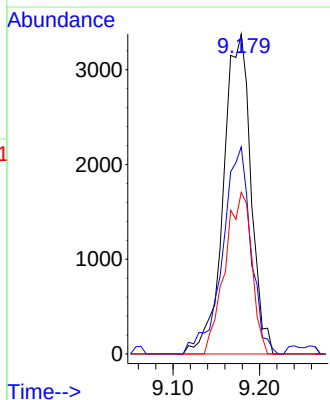
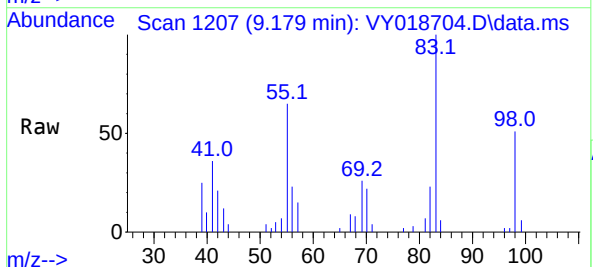


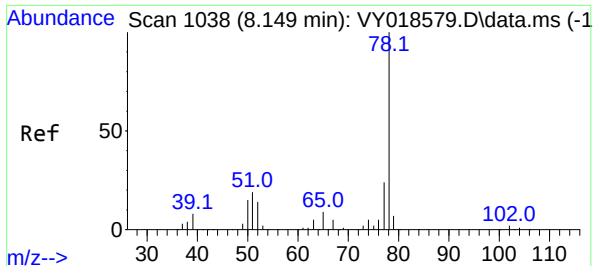
Tgt Ion:117 Resp: 9914
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.0 36.0#



#39
Methylcyclohexane
Concen: 3.961 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.006 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 83 Resp: 7416
Ion Ratio Lower Upper
83 100
55 64.7 51.5 77.3
98 50.5 40.5 60.7

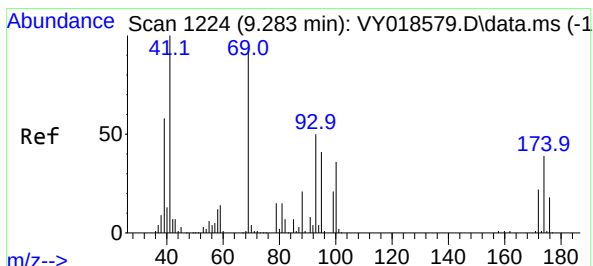
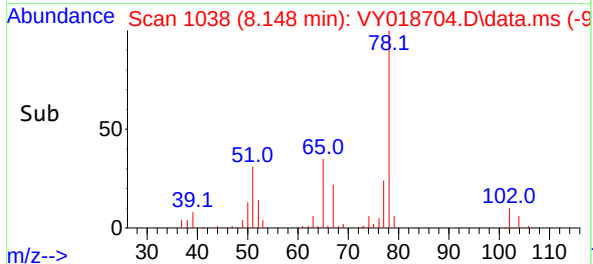
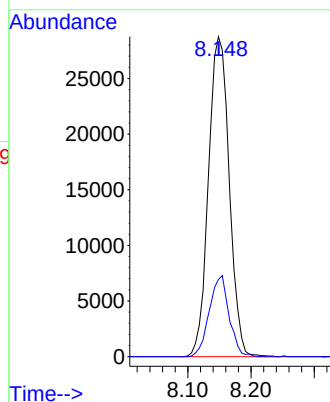
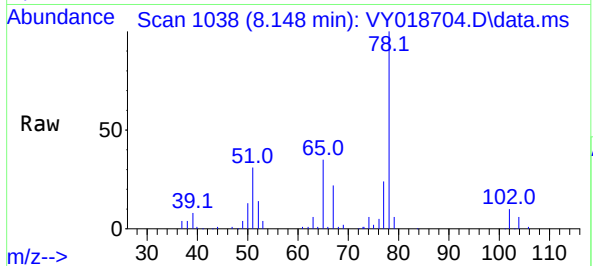




#40
Benzene
Concen: 13.895 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

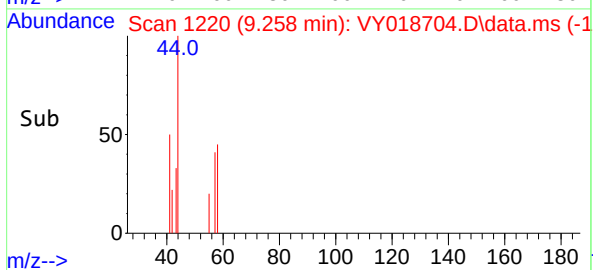
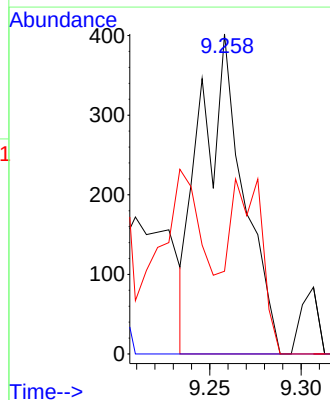
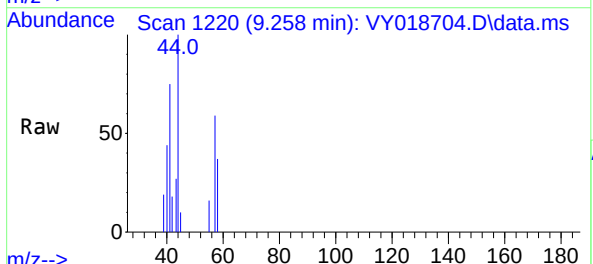
Instrument :
MSVOA_Y
ClientSampleId :

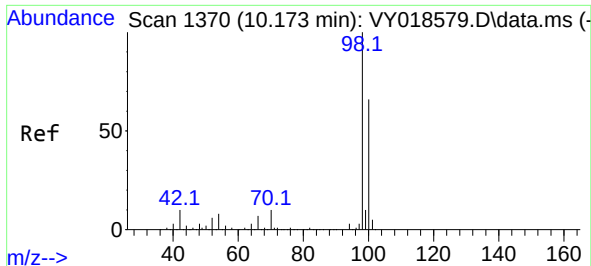
Tgt Ion: 78 Resp: 65660
Ion Ratio Lower Upper
78 100
77 24.2 19.5 29.3



#48
Methyl methacrylate
Concen: 1.095 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.024 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 41 Resp: 663
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 42.7 43.6 65.4#

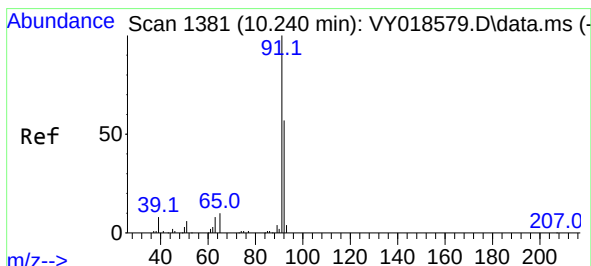
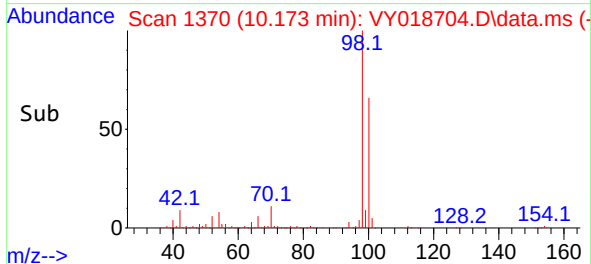
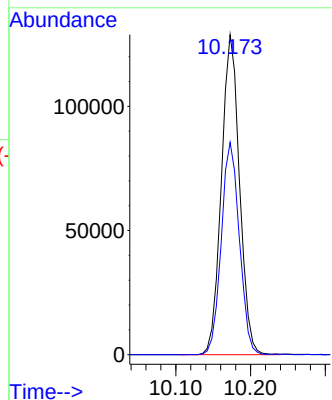
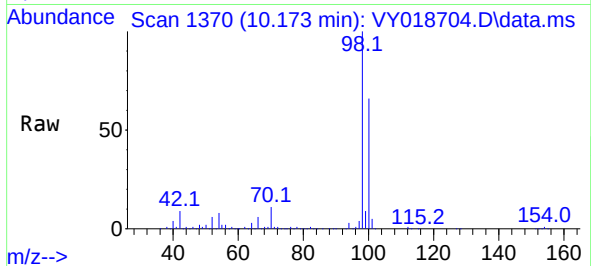




#50
Toluene-d8
Concen: 51.003 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

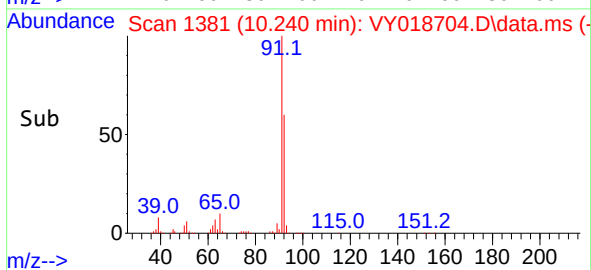
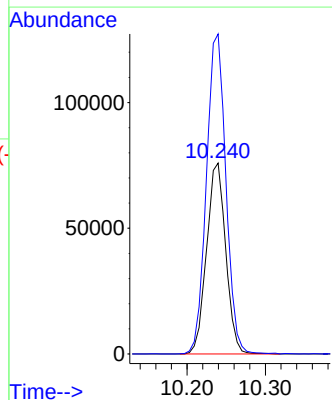
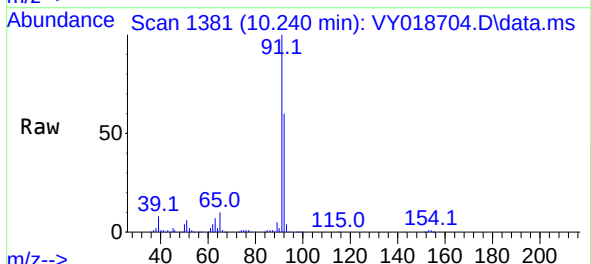
Instrument :
MSVOA_Y
ClientSampleId :

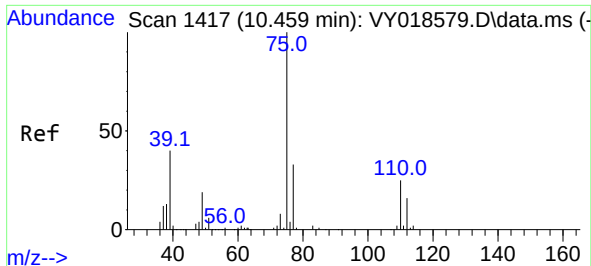
Tgt Ion: 98 Resp: 217725
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#52
Toluene
Concen: 42.441 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 92 Resp: 128763
Ion Ratio Lower Upper
92 100
91 170.6 139.0 208.6

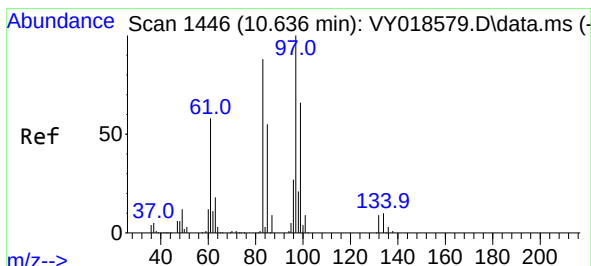
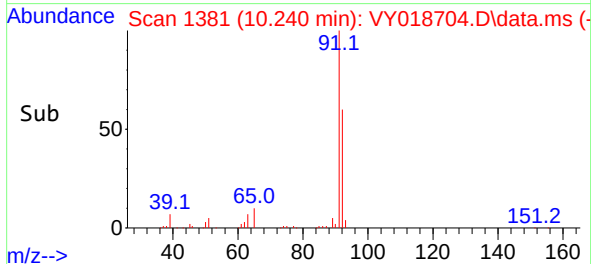
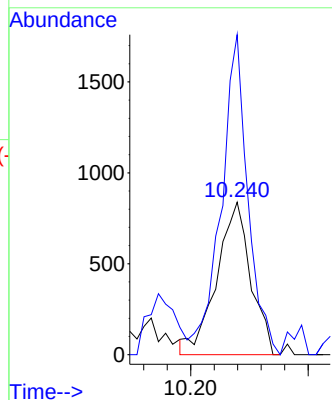
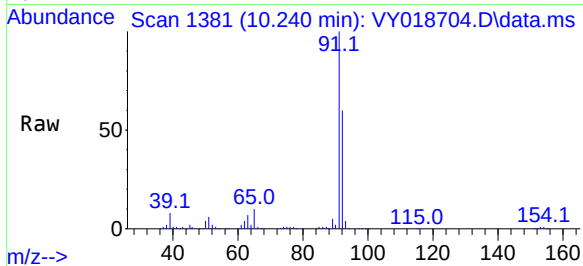




#53
t-1,3-Dichloropropene
Concen: 1.204 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.220 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

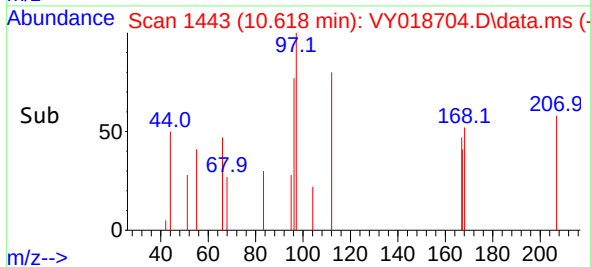
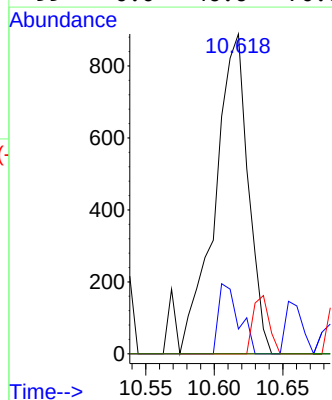
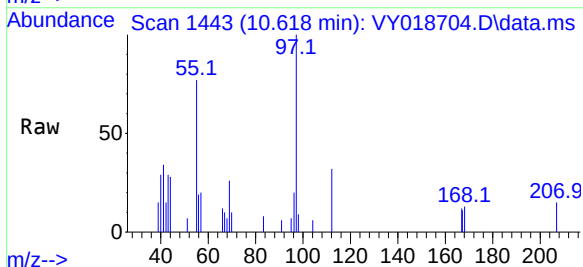
Instrument :
MSVOA_Y
ClientSampleId :

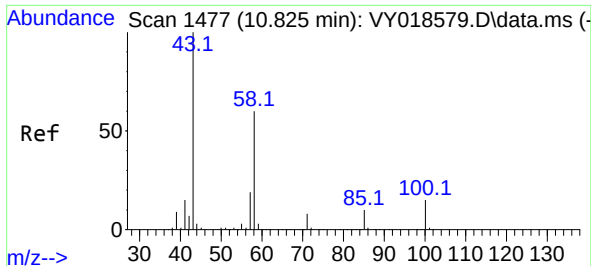
Tgt Ion: 75 Resp: 1683
Ion Ratio Lower Upper
75 100
77 209.8 24.1 36.1#



#55
1,1,2-Trichloroethane
Concen: 1.683 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.018 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 97 Resp: 1501
Ion Ratio Lower Upper
97 100
83 7.8 67.5 101.3#
85 0.0 42.9 64.3#
99 0.0 46.6 70.0#

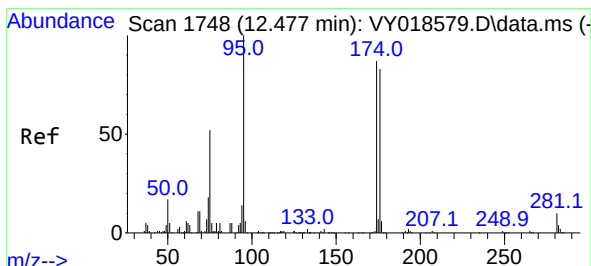
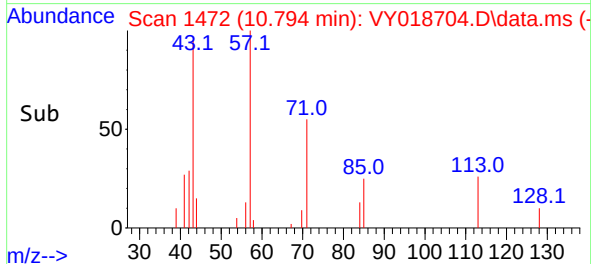
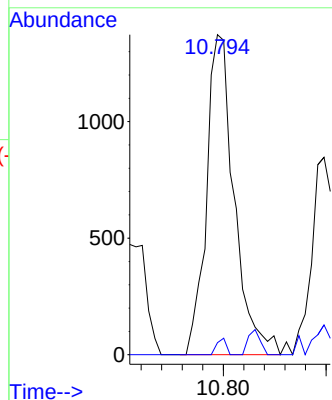
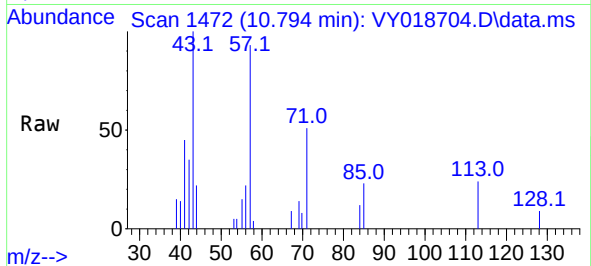




#59
2-Hexanone
Concen: 5.183 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.031 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

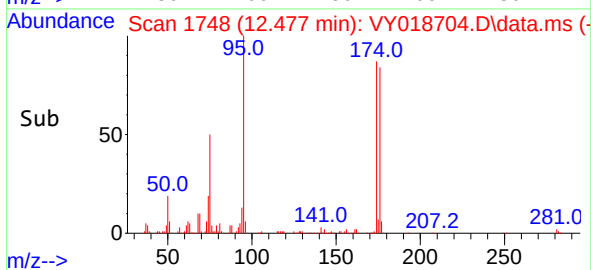
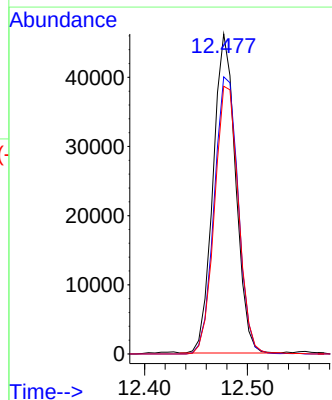
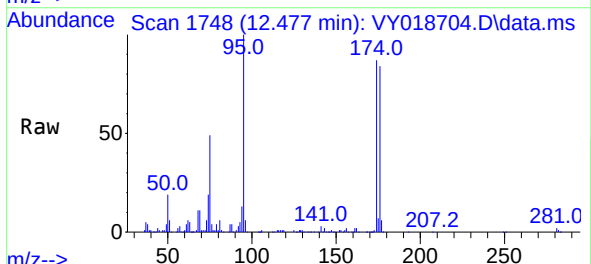
Instrument :
MSVOA_Y
ClientSampleId :

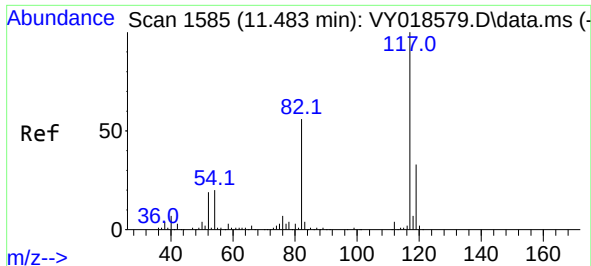
Tgt Ion: 43 Resp: 2571
Ion Ratio Lower Upper
43 100
58 1.8 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 52.190 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

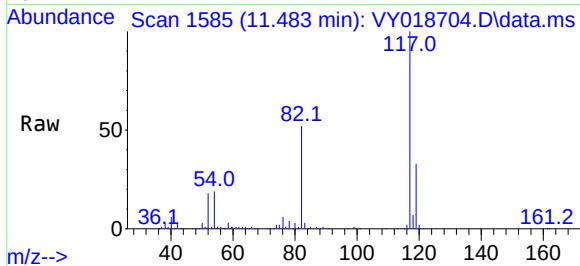
Tgt Ion: 95 Resp: 70352
Ion Ratio Lower Upper
95 100
174 91.9 0.0 175.6
176 88.8 0.0 171.4



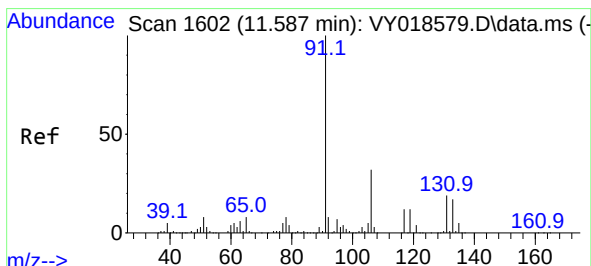
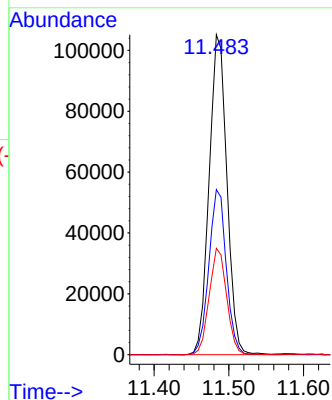
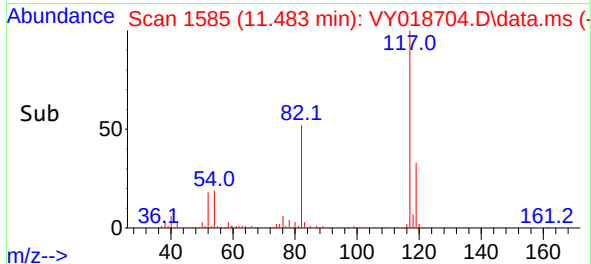


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

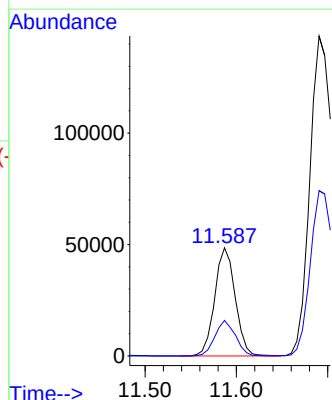
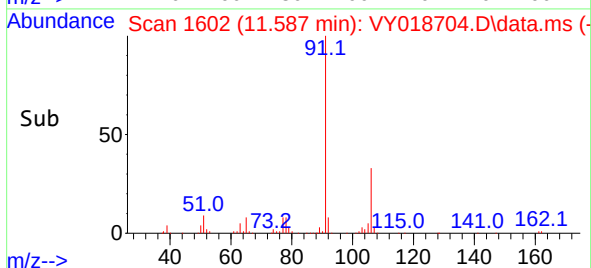
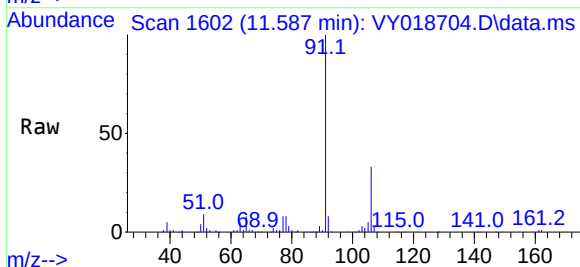


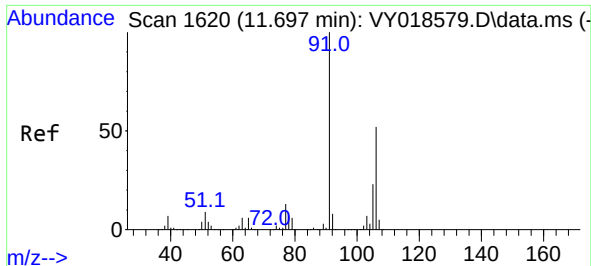
Tgt Ion:117 Resp: 173620
Ion Ratio Lower Upper
117 100
82 51.6 42.4 63.6
119 33.2 25.9 38.9



#67
Ethyl Benzene
Concen: 12.162 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 91 Resp: 75688
Ion Ratio Lower Upper
91 100
106 32.8 24.5 36.7

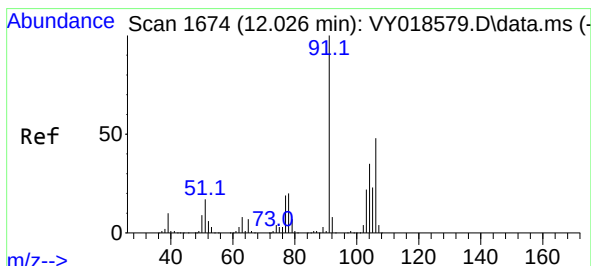
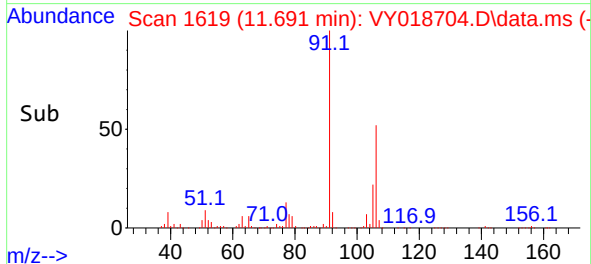
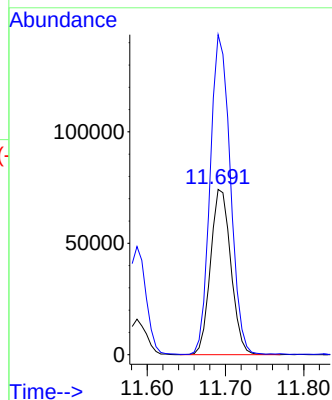
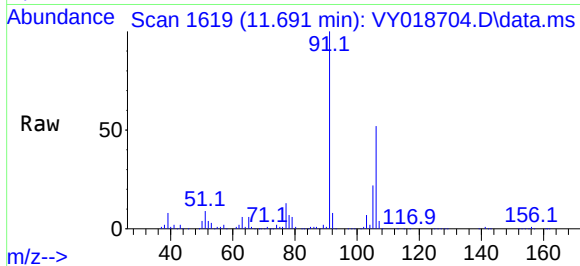




#68
m/p-Xylenes
Concen: 55.245 ug/l
RT: 11.691 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

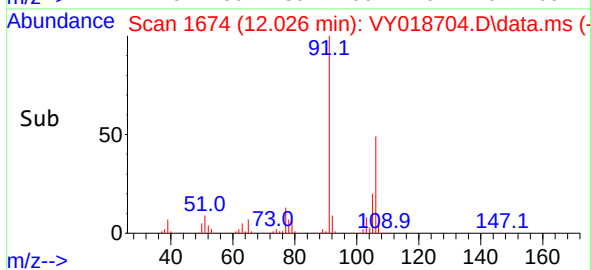
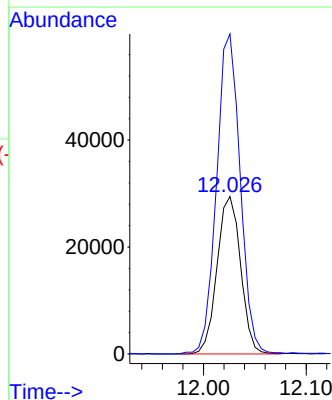
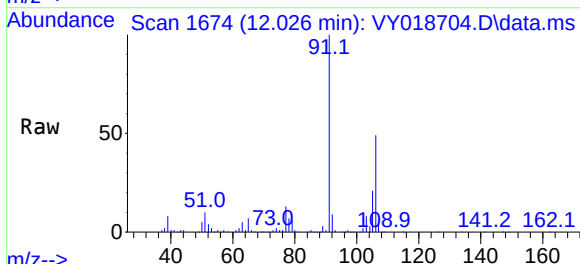
Instrument :
MSVOA_Y
ClientSampleId :

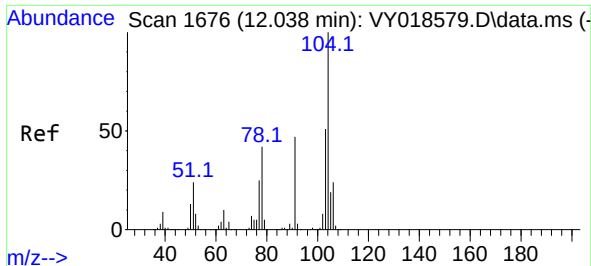
Tgt Ion:106 Resp: 133780
Ion Ratio Lower Upper
106 100
91 191.4 156.0 234.0



#69
o-Xylene
Concen: 20.129 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

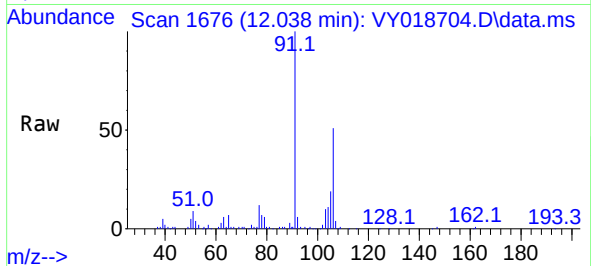
Tgt Ion:106 Resp: 46874
Ion Ratio Lower Upper
106 100
91 204.5 103.6 310.8



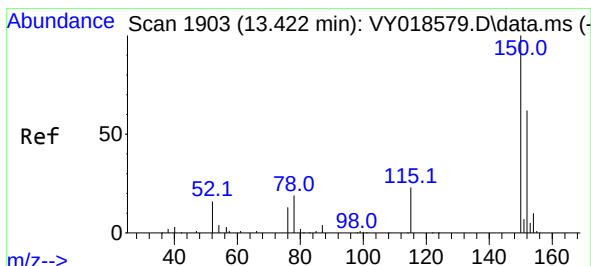
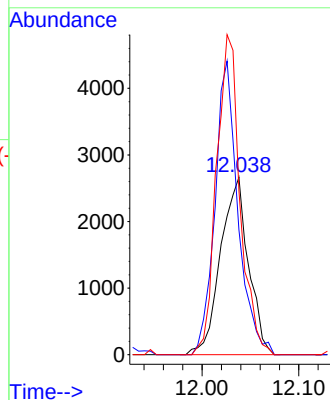
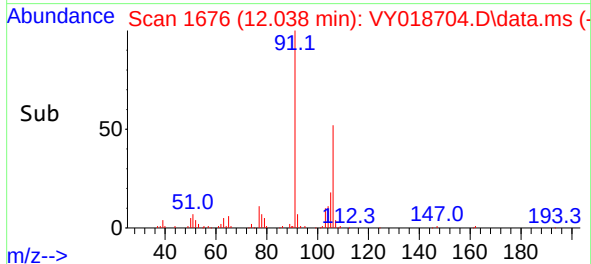


#70
Styrene
Concen: 1.382 ug/l
RT: 12.038 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

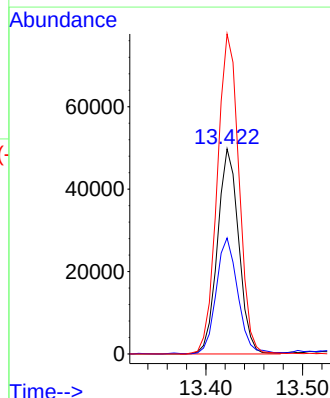
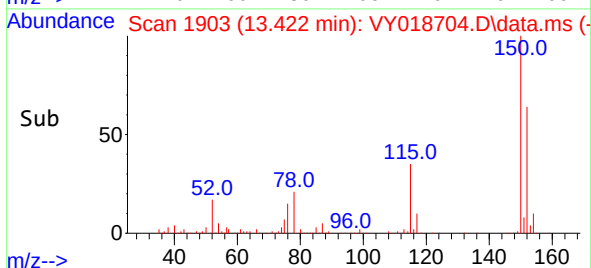
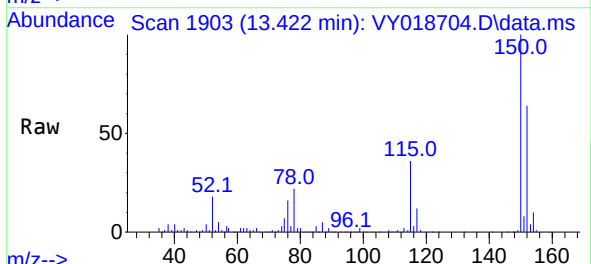


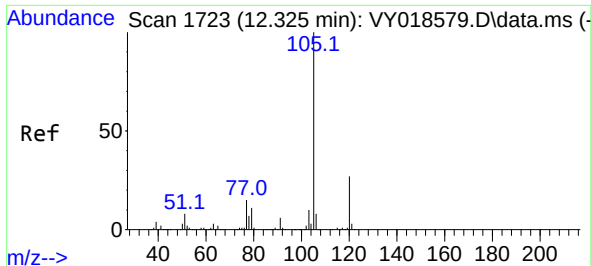
Tgt Ion:104 Resp: 5315
Ion Ratio Lower Upper
104 100
78 137.6 37.0 55.4#
103 152.9 44.2 66.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

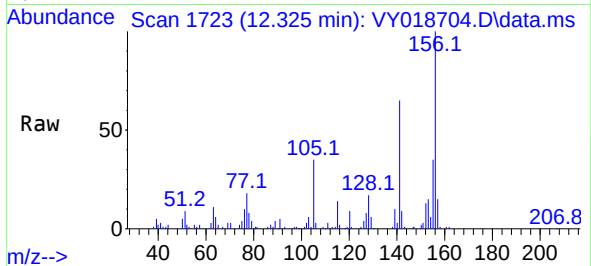
Tgt Ion:152 Resp: 75666
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 160.0 0.0 345.6



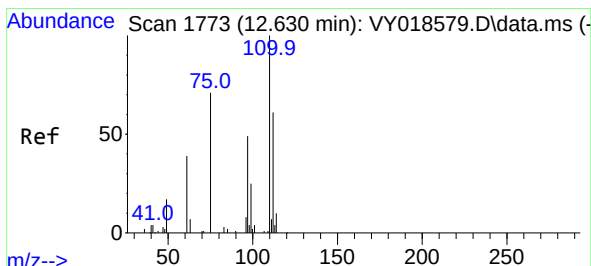
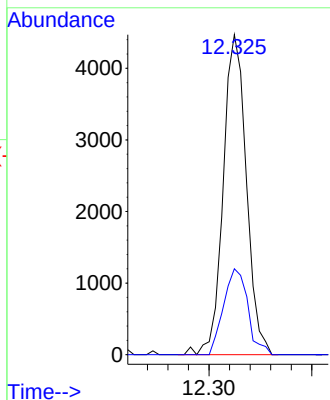
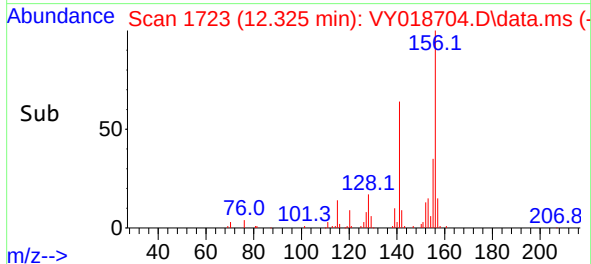


#73
Isopropylbenzene
Concen: 1.265 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

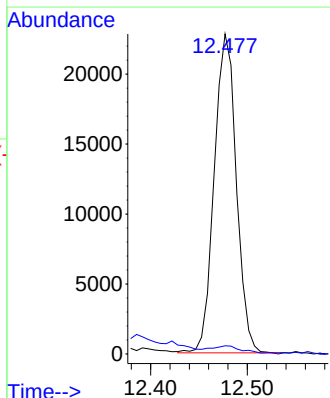
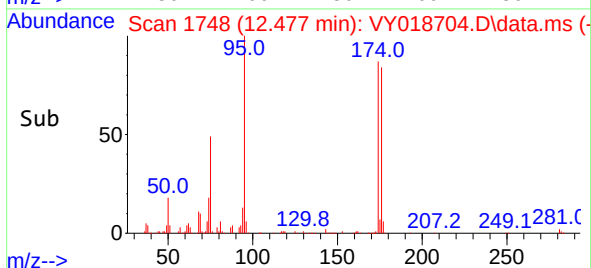
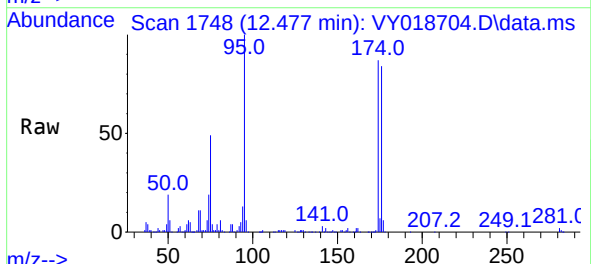


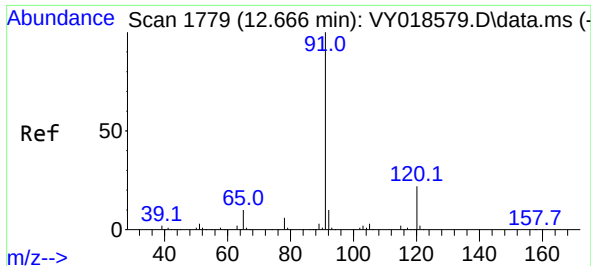
Tgt Ion:105 Resp: 6990
Ion Ratio Lower Upper
105 100
120 28.1 13.4 40.1



#76
1,2,3-Trichloropropane
Concen: 50.838 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 75 Resp: 36084
Ion Ratio Lower Upper
75 100
77 3.8 0.0 0.0#

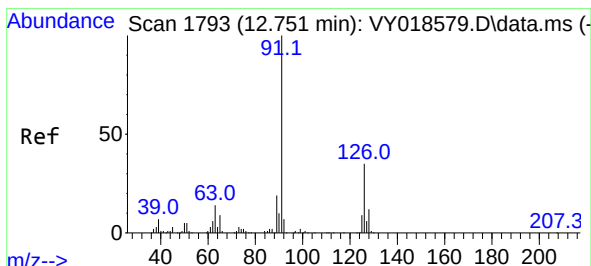
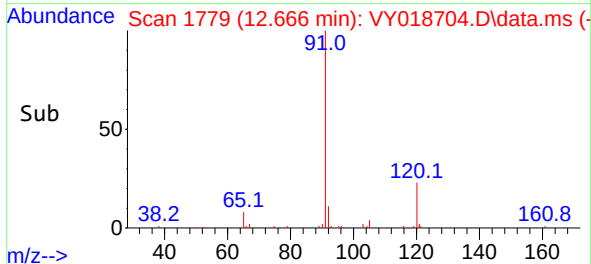
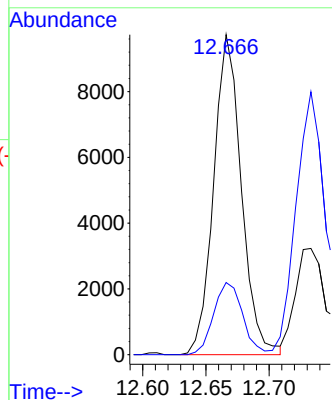
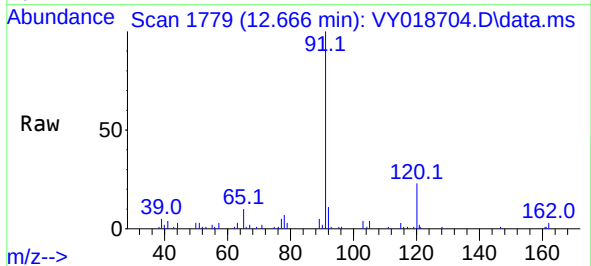




#78
n-propylbenzene
Concen: 2.292 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

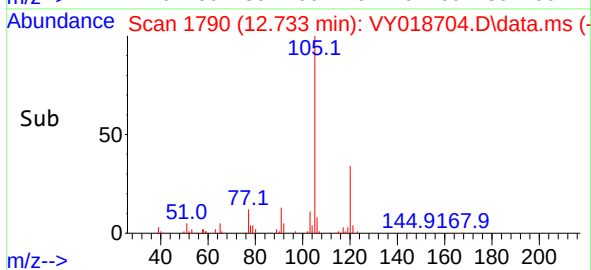
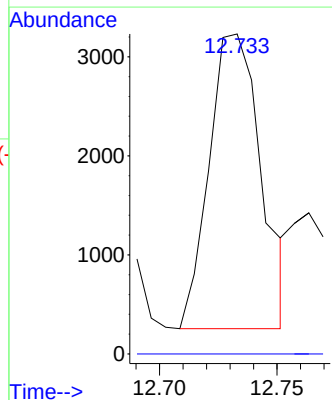
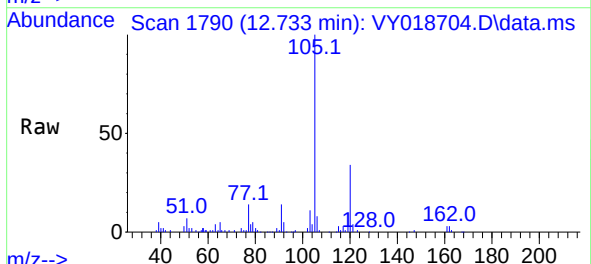
Instrument :
MSVOA_Y
ClientSampleId :

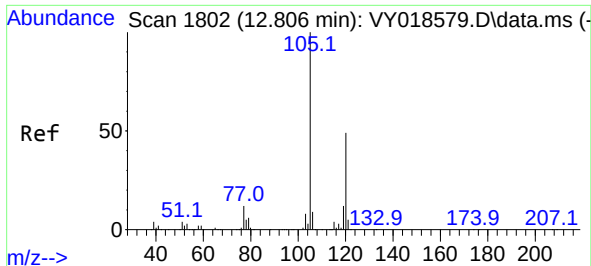
Tgt Ion: 91 Resp: 14820
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4



#79
2-Chlorotoluene
Concen: 1.257 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.018 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

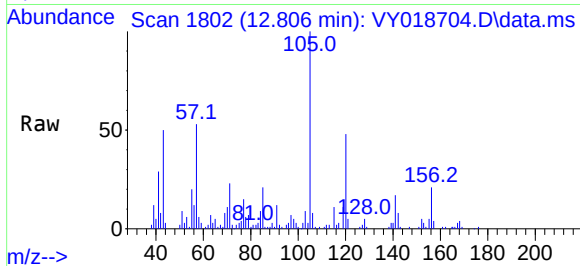
Tgt Ion: 91 Resp: 4589
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



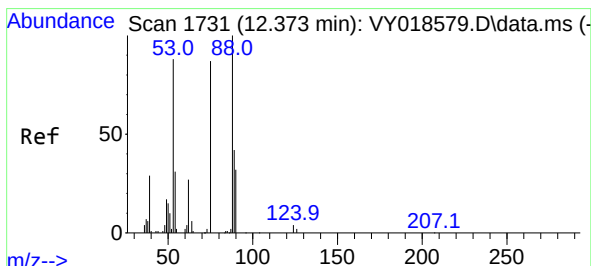
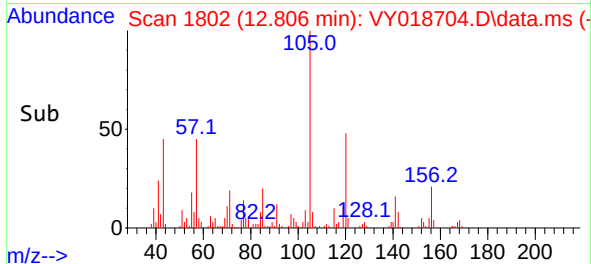
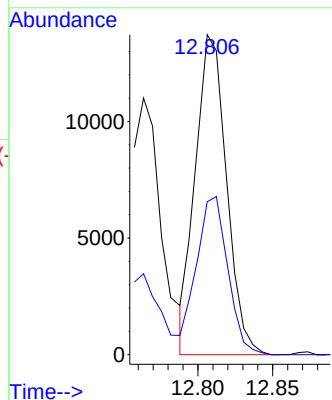


#80
1,3,5-Trimethylbenzene
Concen: 4.534 ug/l
RT: 12.806 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

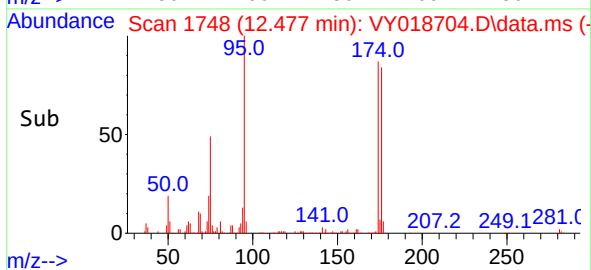
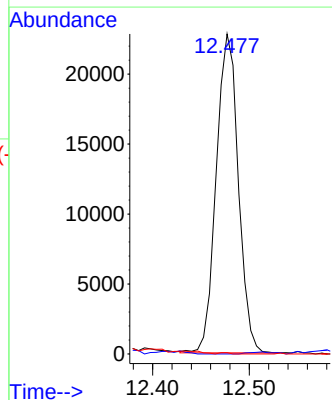
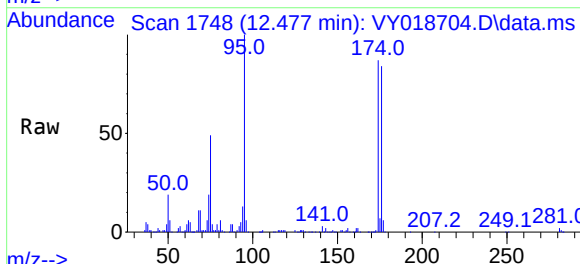


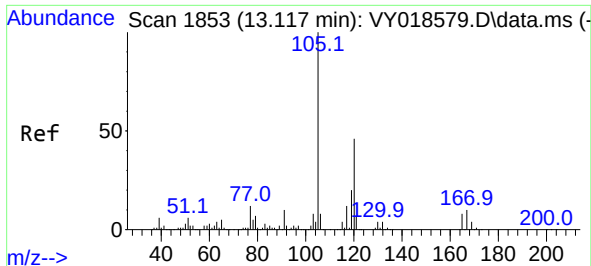
Tgt Ion:105 Resp: 19854
Ion Ratio Lower Upper
105 100
120 49.8 25.1 75.2



#81
trans-1,4-Dichloro-2-butene
Concen: 133.165 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion: 75 Resp: 36084
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#

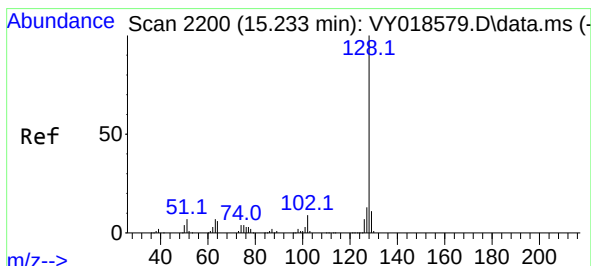
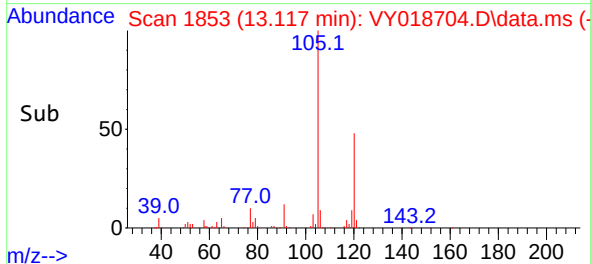
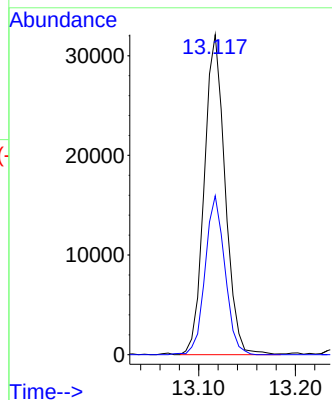
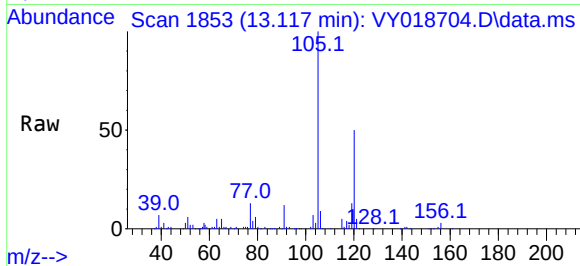




#84
1,2,4-Trimethylbenzene
Concen: 11.022 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 48241
Ion Ratio Lower Upper
105 100
120 47.1 23.2 69.6



#95
Naphthalene
Concen: 97.131 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY018704.D
Acq: 26 Jun 2024 13:51

Tgt Ion:128 Resp: 222645
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.6 8.6 13.0

