

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062524\
 Data File : VY018695.D
 Acq On : 25 Jun 2024 18:01
 Operator : SY/MD
 Sample : P3045-09
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10AB

Quant Time: Jun 26 02:40:19 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	98150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	177973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	162835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	70414	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	45959	46.509	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.020%
35) Dibromofluoromethane	7.704	113	54403	50.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.173	98	208015	49.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.640%
62) 4-Bromofluorobenzene	12.477	95	64511	48.932	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.860%

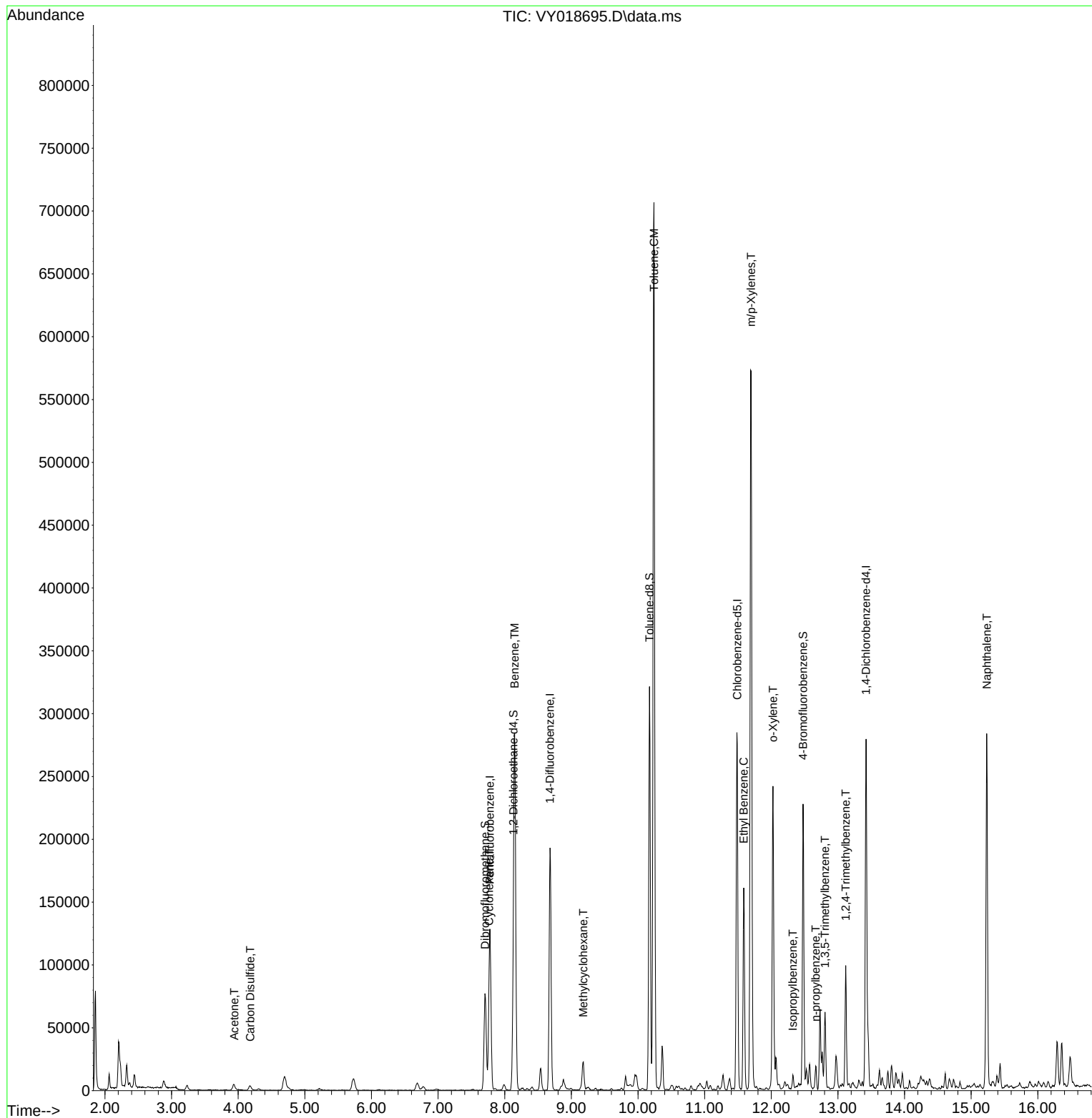
Target Compounds						Qvalue
16) Acetone	3.942	43	7867	39.131	ug/l #	83
17) Carbon Disulfide	4.180	76	6768	4.506	ug/l #	95
31) Cyclohexane	7.765	56	5463	3.609	ug/l #	74
39) Methylcyclohexane	9.179	83	9323	5.092	ug/l	96
40) Benzene	8.149	78	268677	58.135	ug/l	100
52) Toluene	10.240	92	307811	103.736	ug/l	98
67) Ethyl Benzene	11.587	91	107041	18.339	ug/l	92
68) m/p-Xylenes	11.697	106	182475	80.345	ug/l	98
69) o-Xylene	12.026	106	64857	29.696	ug/l	99
73) Isopropylbenzene	12.325	105	6761	1.315	ug/l	100
78) n-propylbenzene	12.666	91	14510	2.411	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	20117	4.937	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	50080	12.295	ug/l	99
95) Naphthalene	15.233	128	229114	107.408	ug/l	99

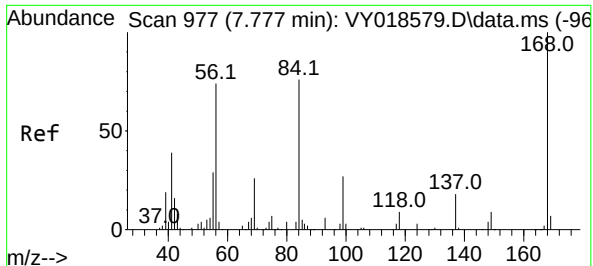
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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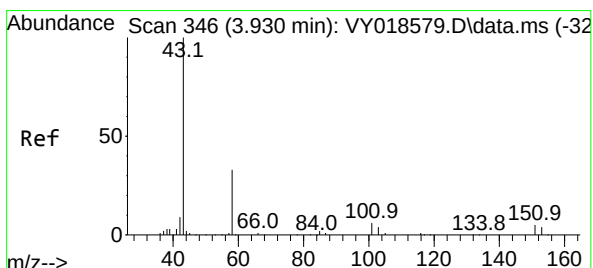
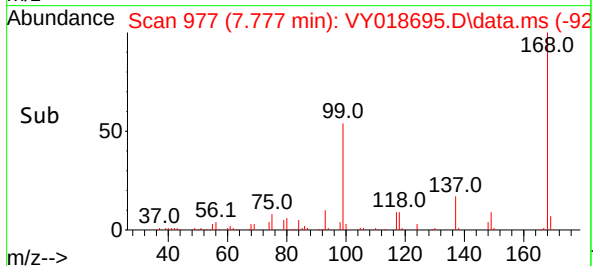
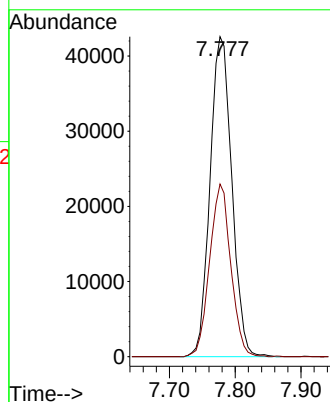
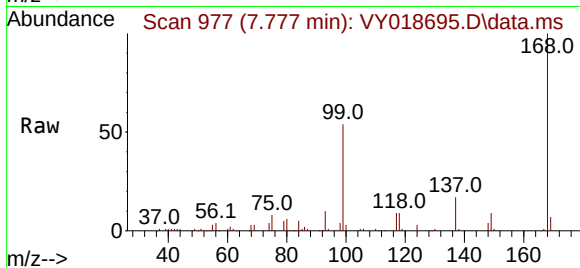




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

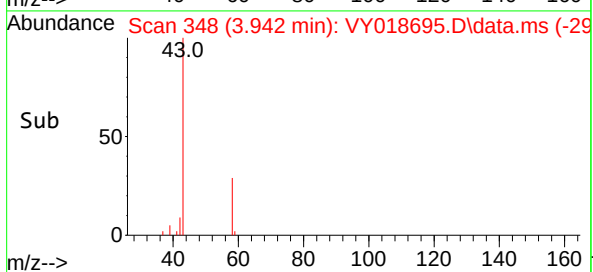
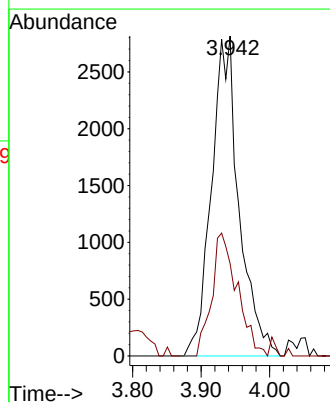
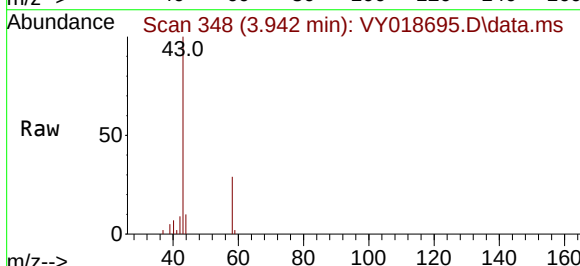
Instrument :
MSVOA_Y
ClientSampleId :
10AB

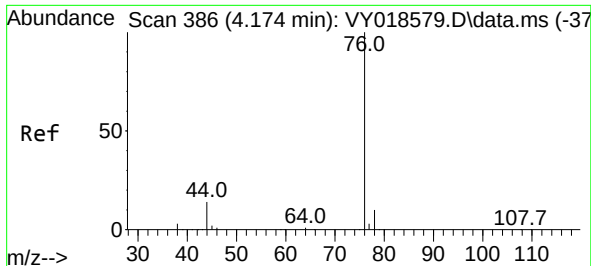
Tgt Ion:168 Resp: 98150
Ion Ratio Lower Upper
168 100
99 54.0 39.1 58.7



#16
Acetone
Concen: 39.131 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.012 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion: 43 Resp: 7867
Ion Ratio Lower Upper
43 100
58 28.9 31.7 47.5#

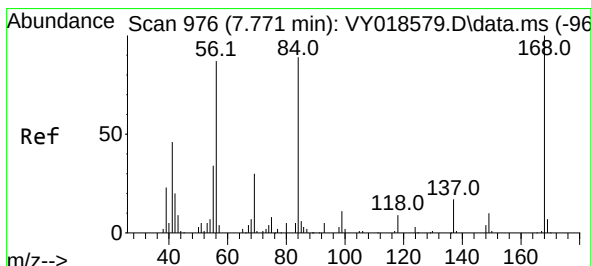
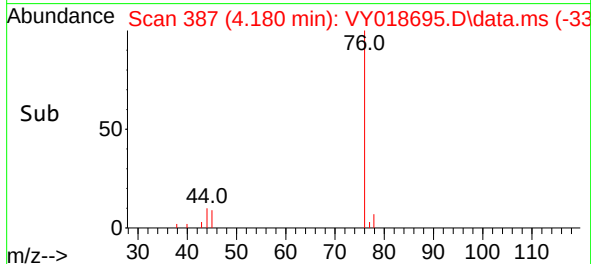
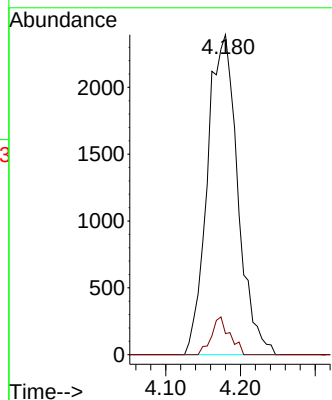
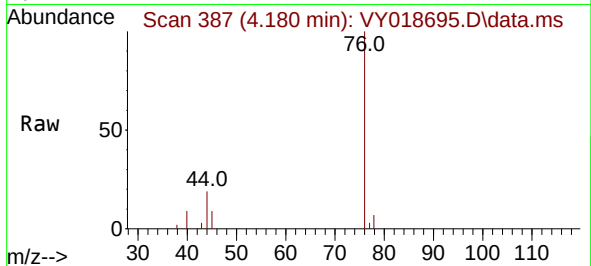




#17
Carbon Disulfide
Concen: 4.506 ug/l
RT: 4.180 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

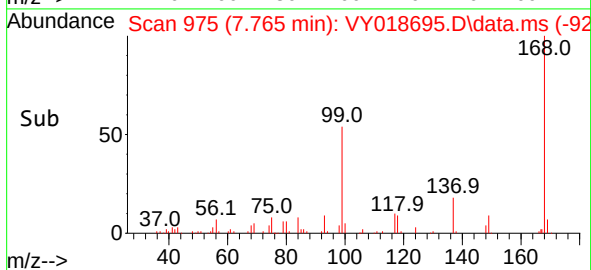
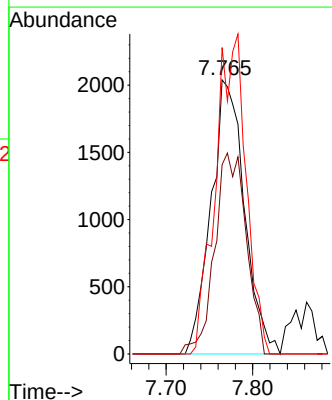
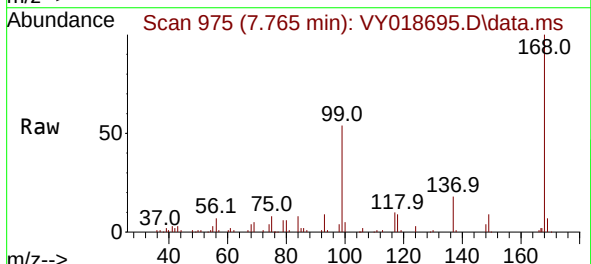
Instrument :
MSVOA_Y
ClientSampleId :
10AB

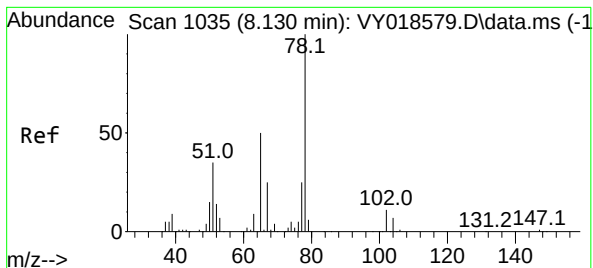
Tgt Ion: 76 Resp: 6768
Ion Ratio Lower Upper
76 100
78 6.6 6.8 10.2#



#31
Cyclohexane
Concen: 3.609 ug/l
RT: 7.765 min Scan# 975
Delta R.T. -0.006 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion: 56 Resp: 5463
Ion Ratio Lower Upper
56 100
69 69.1 28.7 43.1#
84 111.8 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 46.509 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018695.D

Acq: 25 Jun 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

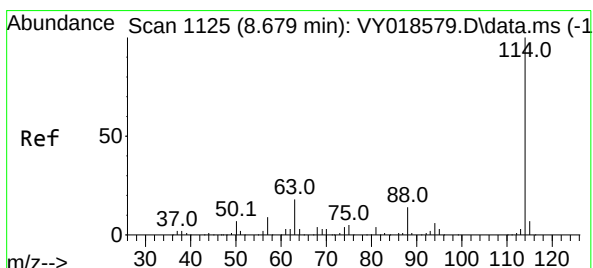
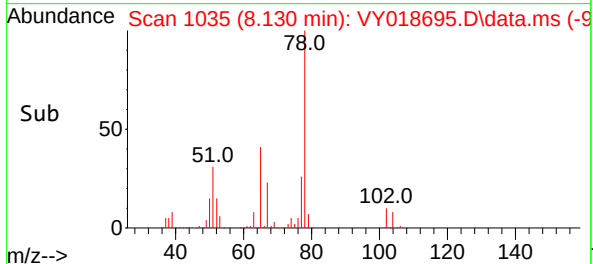
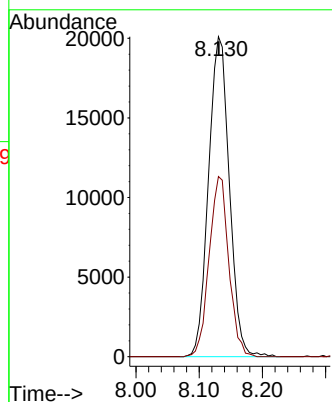
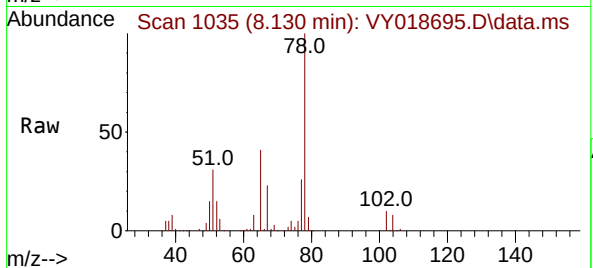
10AB

Tgt Ion: 65 Resp: 45959

Ion Ratio Lower Upper

65 100

67 53.1 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: VY018695.D

Acq: 25 Jun 2024 18:01

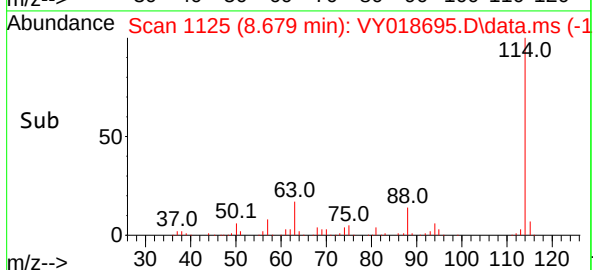
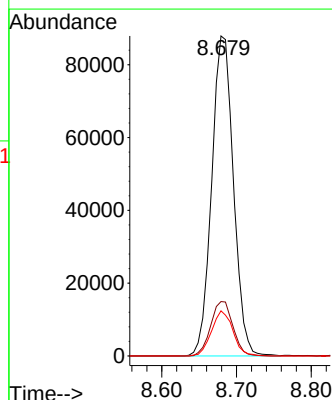
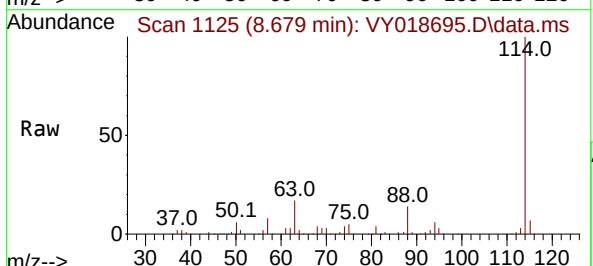
Tgt Ion: 114 Resp: 177973

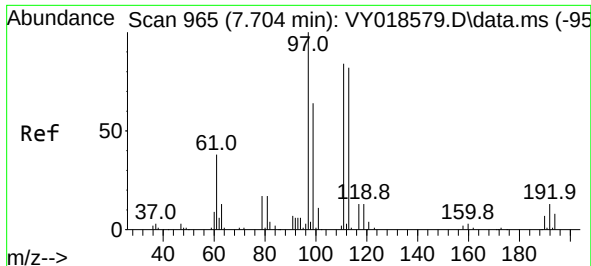
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 14.1 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.110 ug/l

RT: 7.704 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY018695.D

Acq: 25 Jun 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

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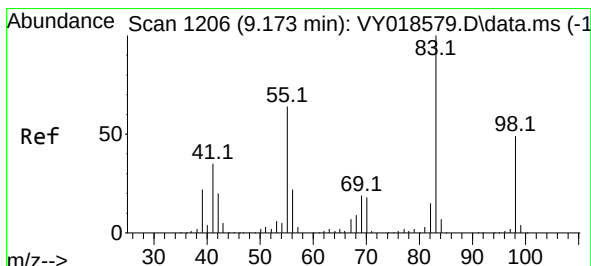
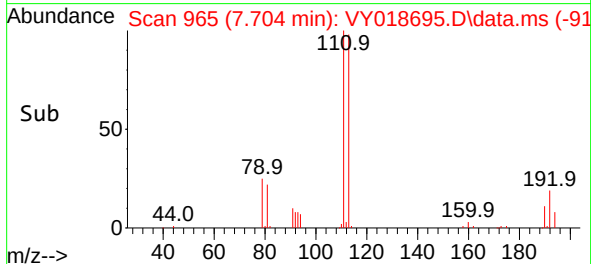
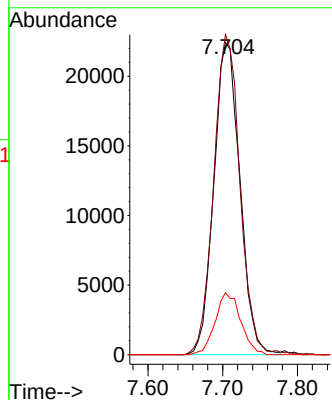
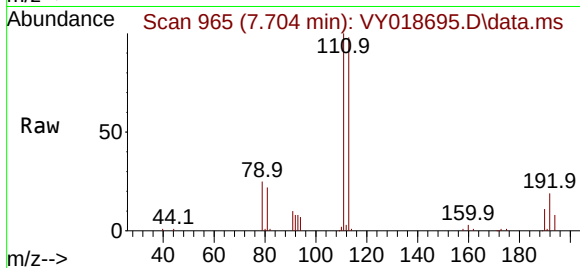
Tgt Ion:113 Resp: 54403

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.4 15.9 23.9



#39

Methylcyclohexane

Concen: 5.092 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. 0.006 min

Lab File: VY018695.D

Acq: 25 Jun 2024 18:01

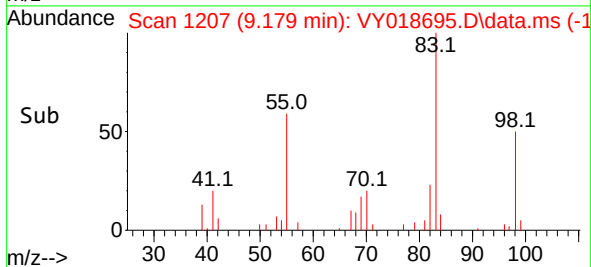
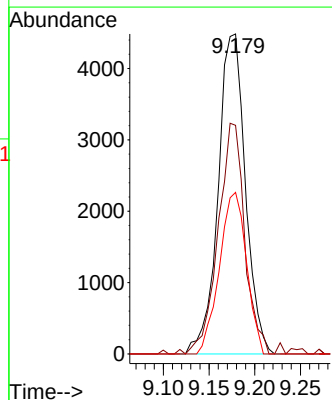
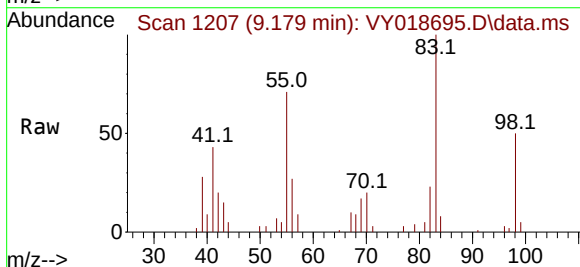
Tgt Ion: 83 Resp: 9323

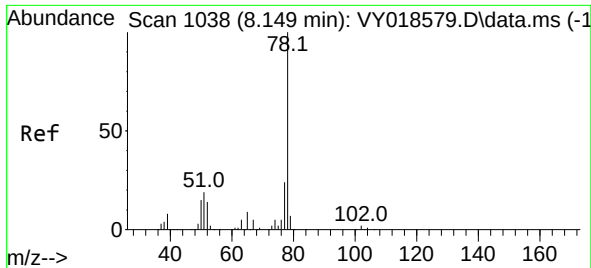
Ion Ratio Lower Upper

83 100

55 70.0 51.5 77.3

98 50.5 40.5 60.7

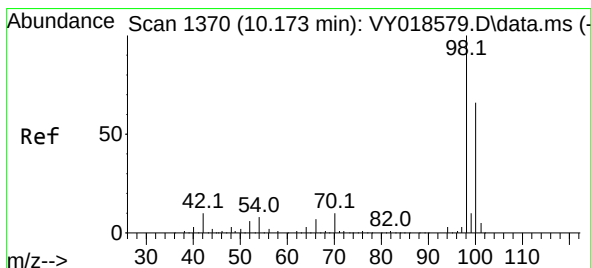
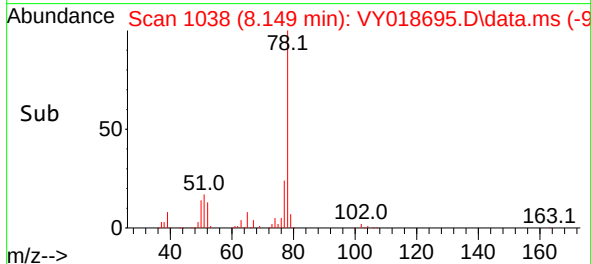
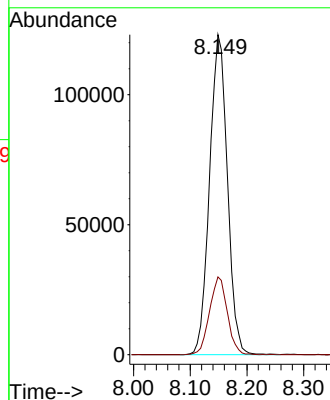
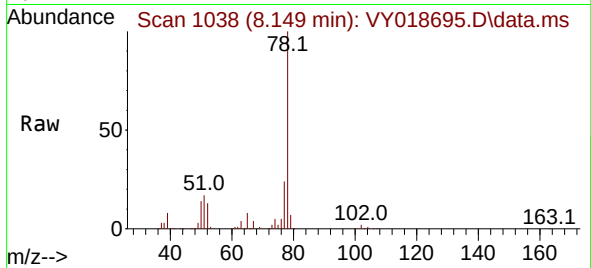




#40
Benzene
Concen: 58.135 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

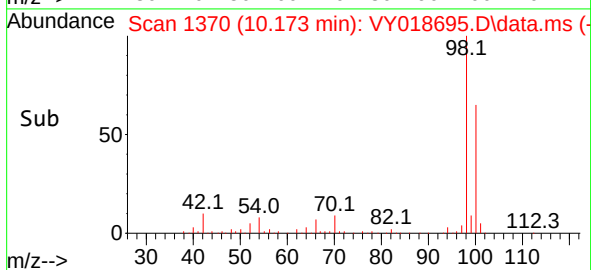
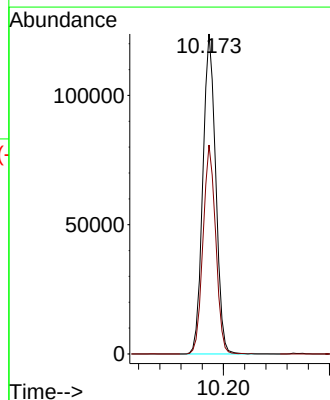
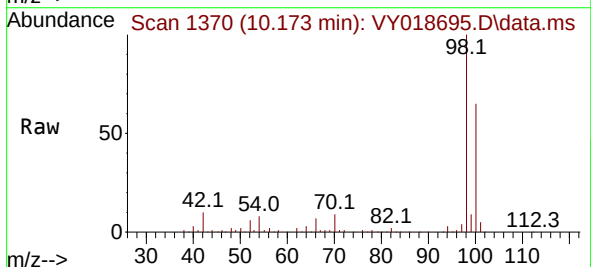
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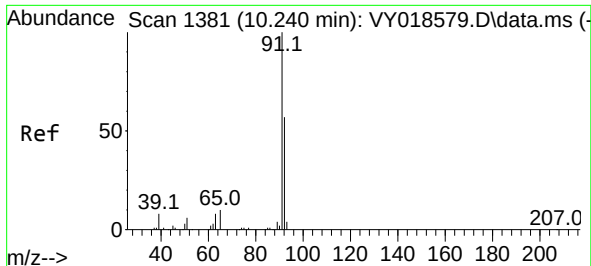
Tgt Ion: 78 Resp: 268677
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3



#50
Toluene-d8
Concen: 49.823 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion: 98 Resp: 208015
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

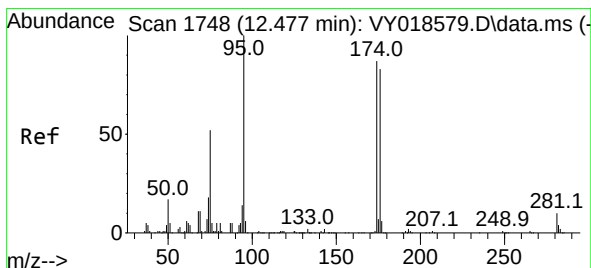
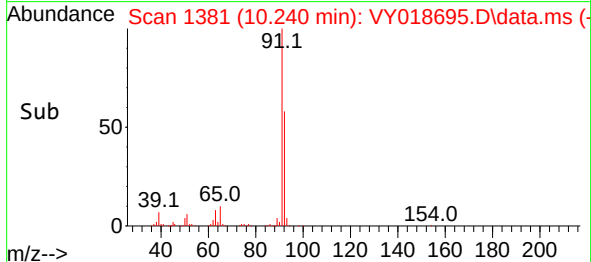
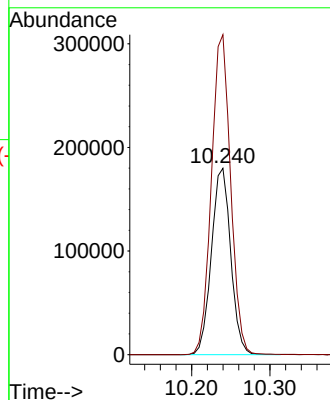
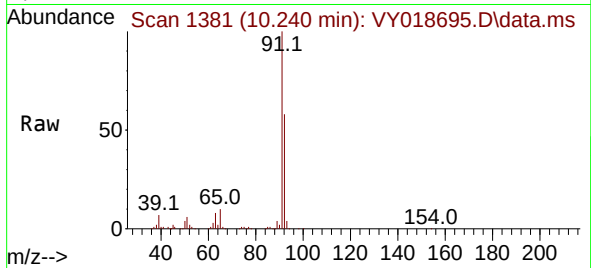




#52
Toluene
Concen: 103.736 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

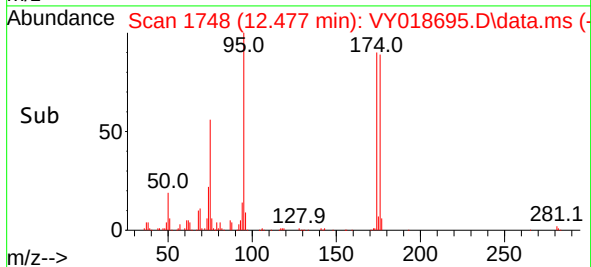
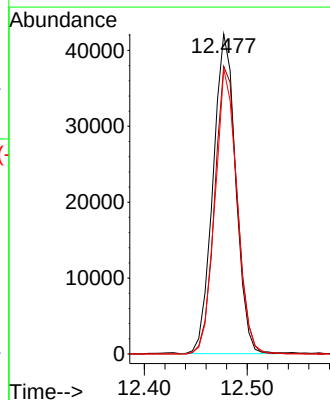
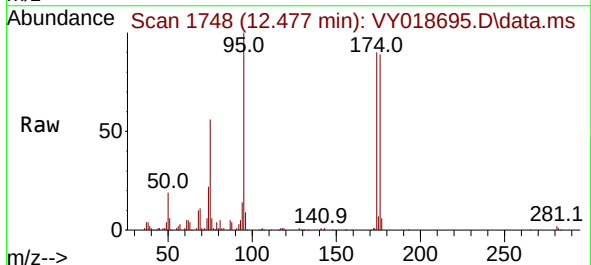
Instrument :
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ClientSampleId :
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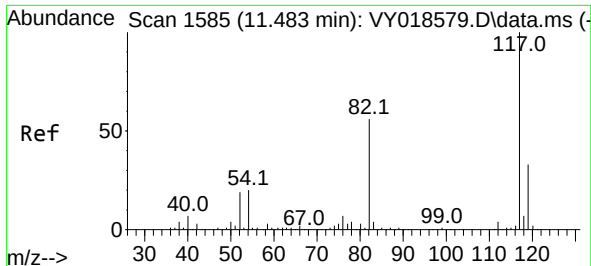
Tgt Ion: 92 Resp: 307811
Ion Ratio Lower Upper
92 100
91 170.7 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 48.932 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion: 95 Resp: 64511
Ion Ratio Lower Upper
95 100
174 89.3 0.0 175.6
176 86.6 0.0 171.4

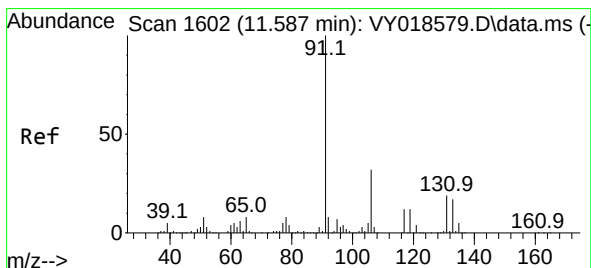
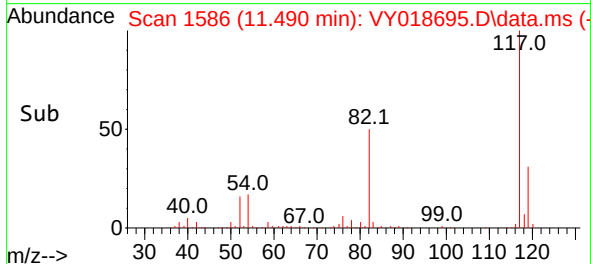
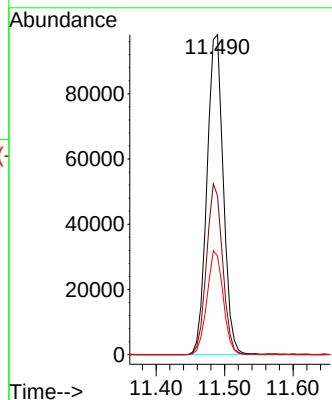
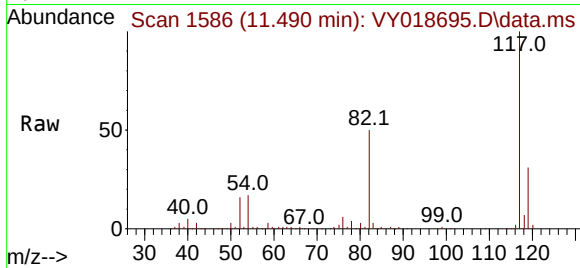




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

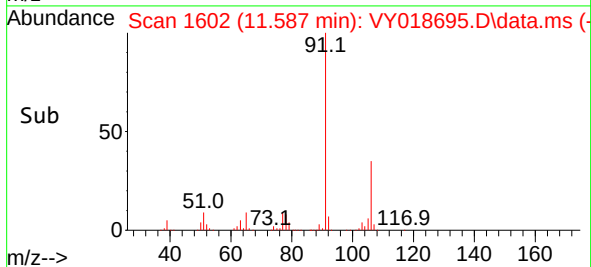
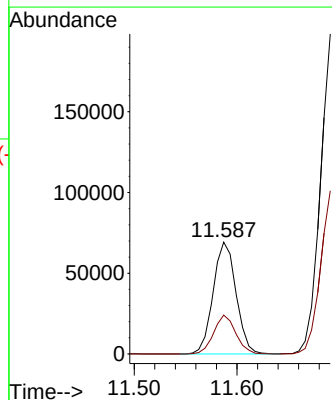
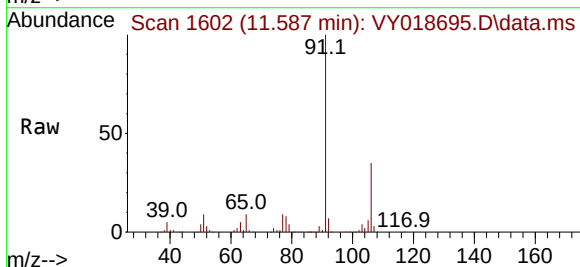
Instrument :
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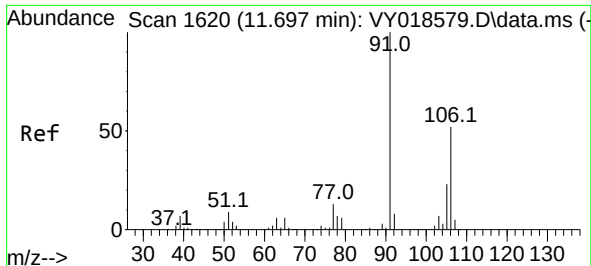
Tgt Ion:117 Resp: 162835
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 30.8 25.9 38.9



#67
Ethyl Benzene
Concen: 18.339 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion: 91 Resp: 107041
Ion Ratio Lower Upper
91 100
106 34.7 24.5 36.7

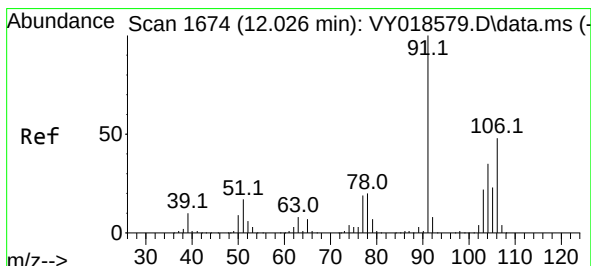
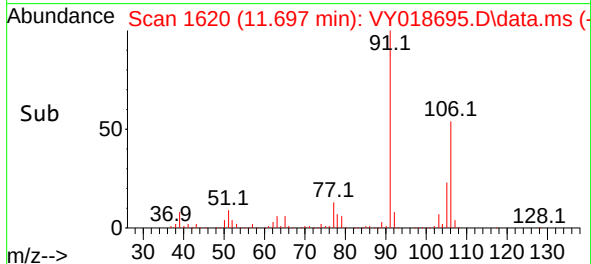
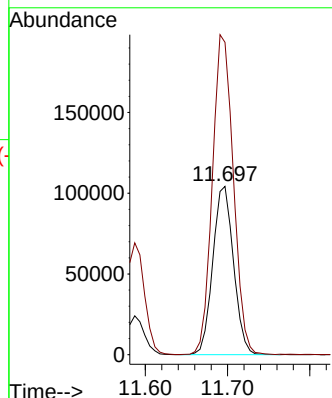
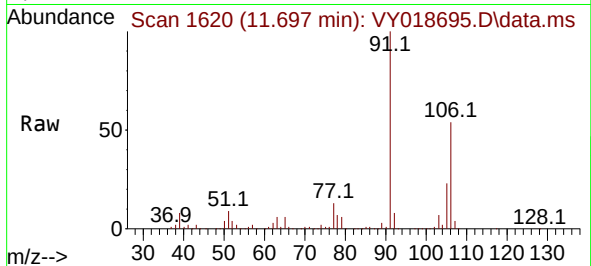




#68
m/p-Xylenes
Concen: 80.345 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

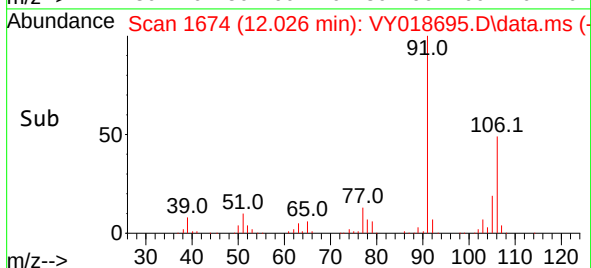
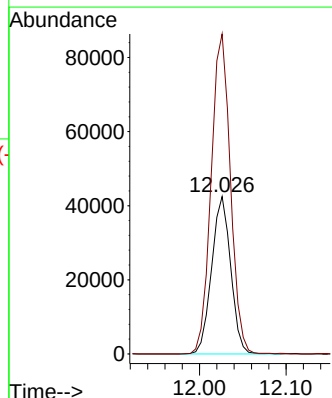
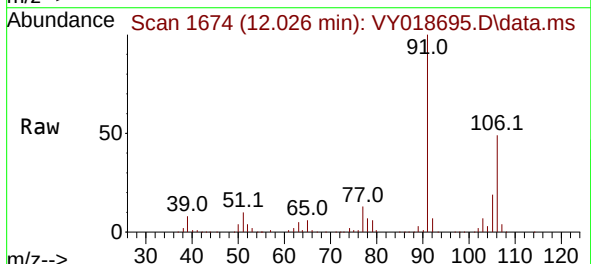
Instrument :
MSVOA_Y
ClientSampleId :
10AB

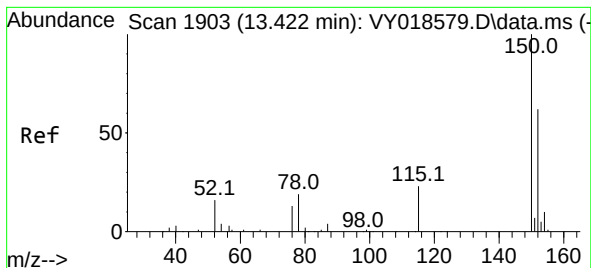
Tgt Ion:106 Resp: 182475
Ion Ratio Lower Upper
106 100
91 192.5 156.0 234.0



#69
o-Xylene
Concen: 29.696 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion:106 Resp: 64857
Ion Ratio Lower Upper
106 100
91 206.4 103.6 310.8

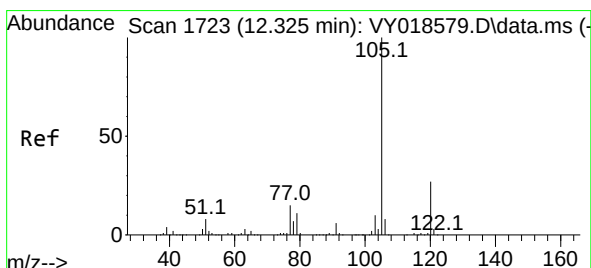
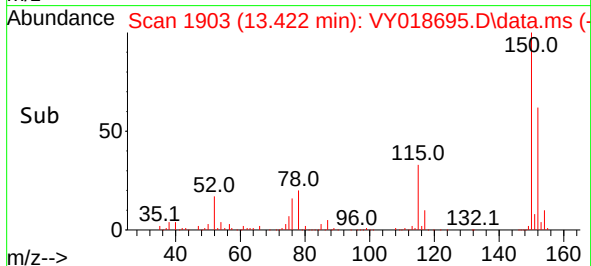
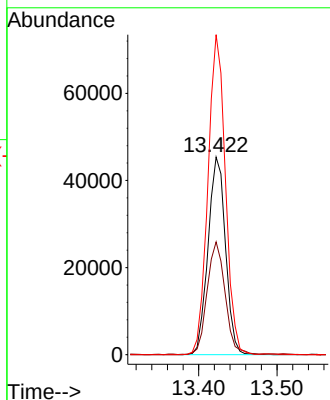
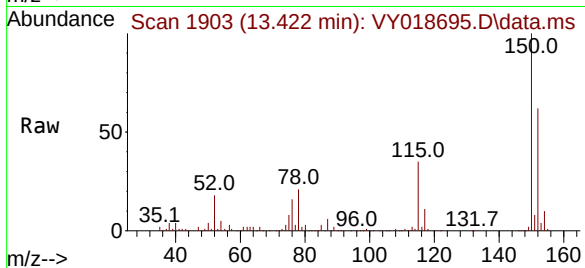




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

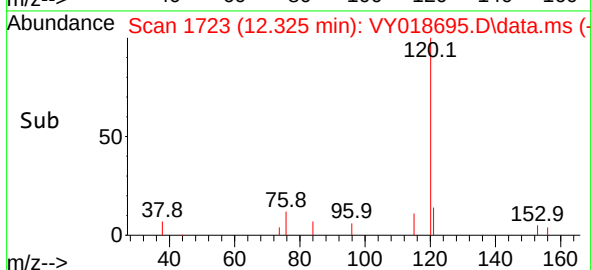
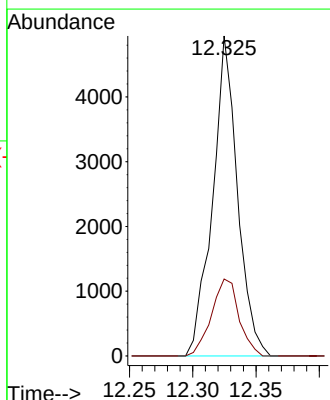
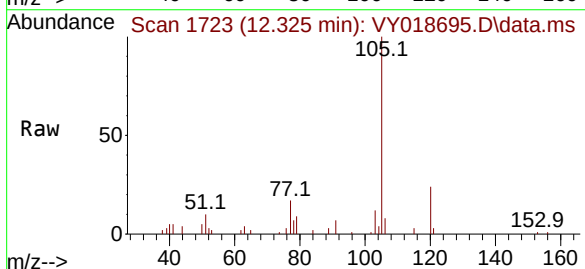
Instrument :
MSVOA_Y
ClientSampleId :
10AB

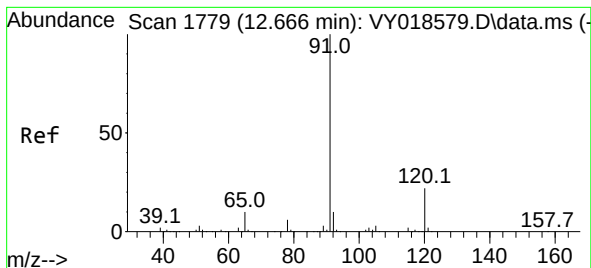
Tgt Ion:152 Resp: 70414
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 161.2 0.0 345.6



#73
Isopropylbenzene
Concen: 1.315 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion:105 Resp: 6761
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1





#78

n-propylbenzene

Concen: 2.411 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY018695.D

Acq: 25 Jun 2024 18:01

Instrument :

MSVOA_Y

ClientSampleId :

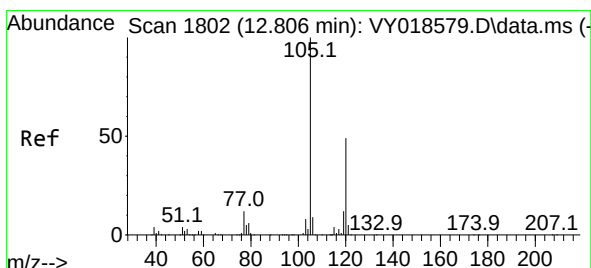
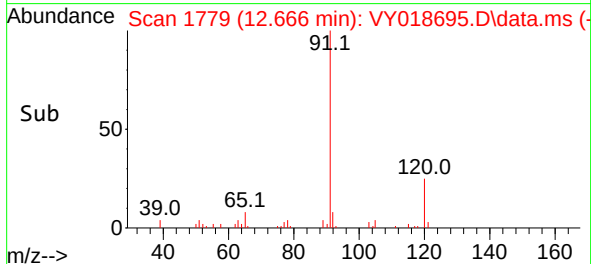
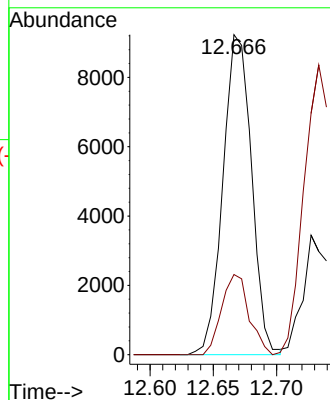
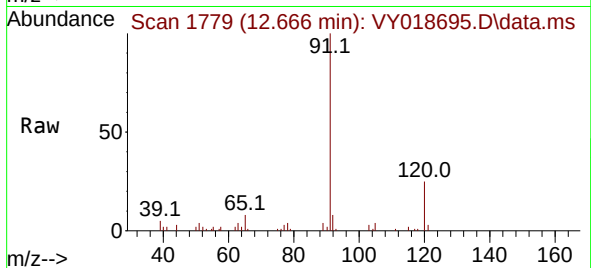
10AB

Tgt Ion: 91 Resp: 14510

Ion Ratio Lower Upper

91 100

120 24.0 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 4.937 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VY018695.D

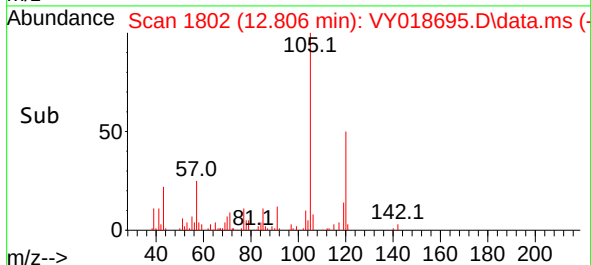
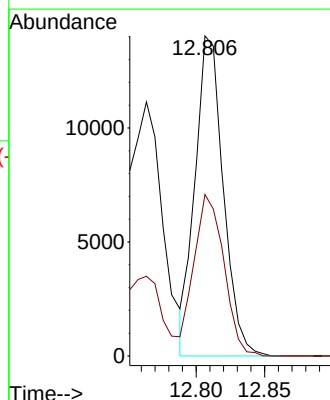
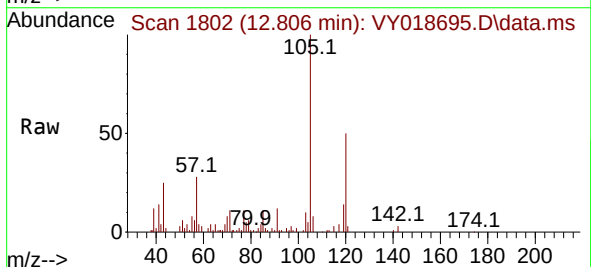
Acq: 25 Jun 2024 18:01

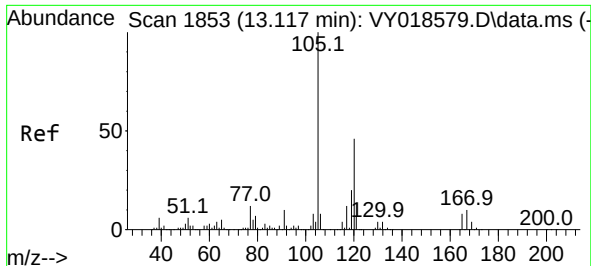
Tgt Ion: 105 Resp: 20117

Ion Ratio Lower Upper

105 100

120 53.1 25.1 75.2

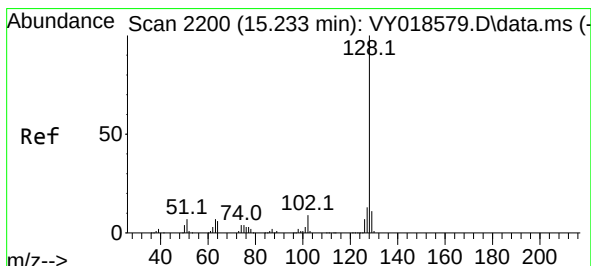
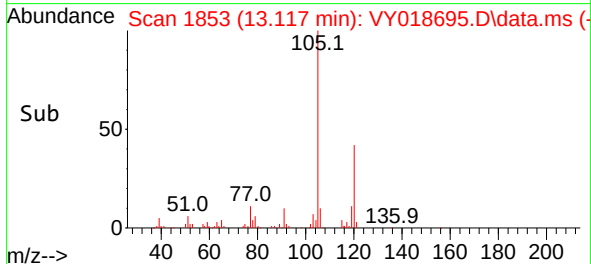
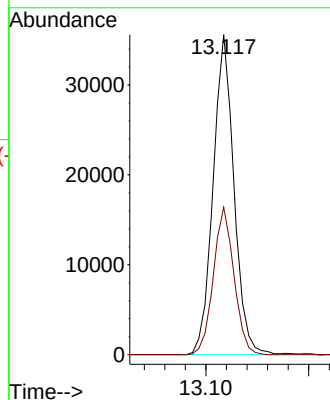
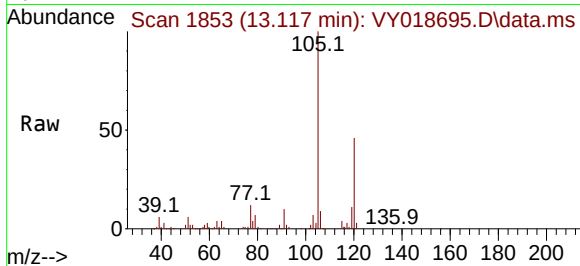




#84
1,2,4-Trimethylbenzene
Concen: 12.295 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Instrument :
MSVOA_Y
ClientSampleId :
10AB

Tgt Ion:105 Resp: 50080
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.6



#95
Naphthalene
Concen: 107.408 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY018695.D
Acq: 25 Jun 2024 18:01

Tgt Ion:128 Resp: 229114
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.6 8.6 13.0

