

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018335.D
 Acq On : 20 May 2024 15:15
 Operator : SY/MD
 Sample : P2511-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 510-C

Quant Time: May 21 01:25:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

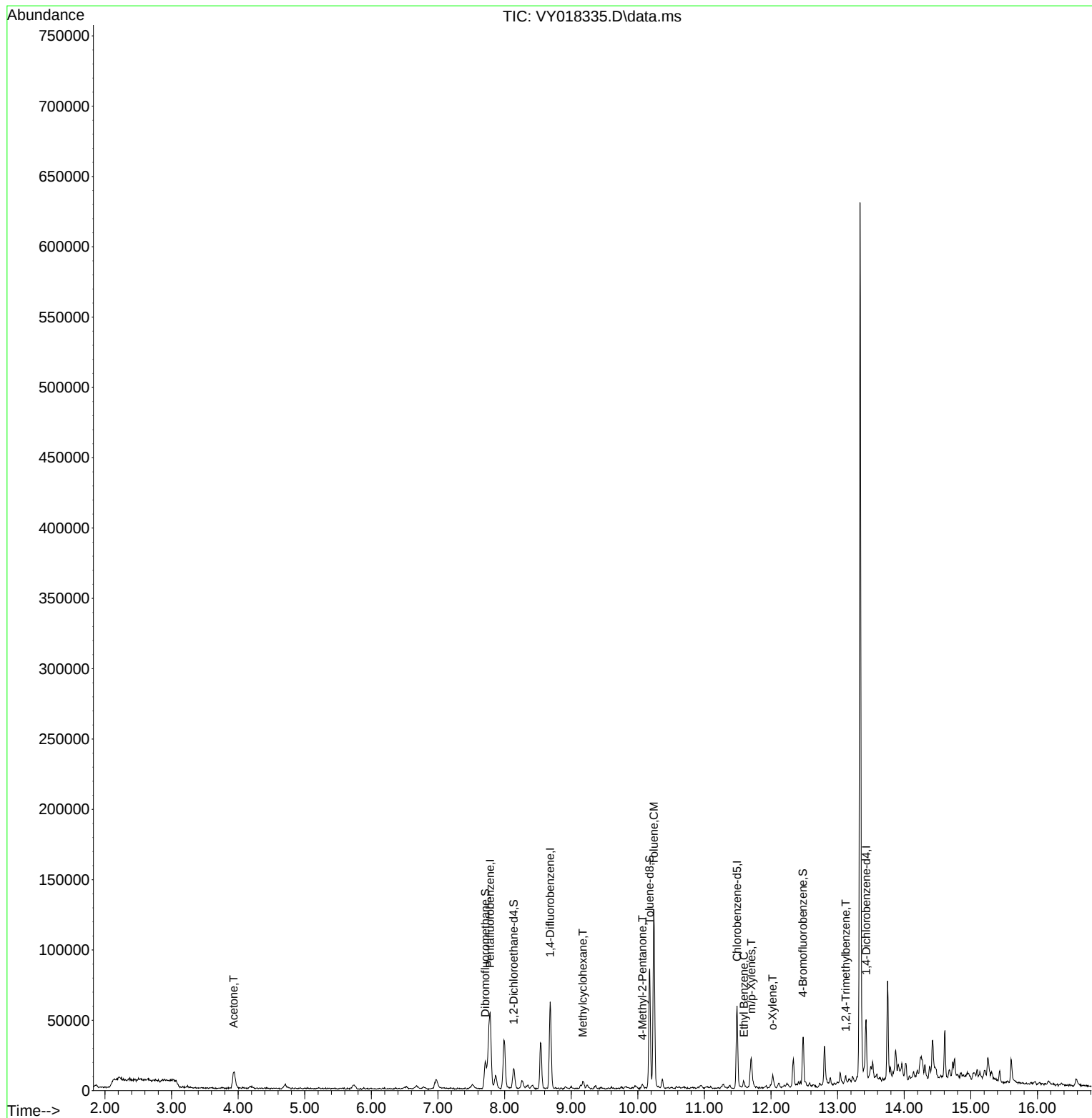
Internal Standards						
1) Pentafluorobenzene	7.782	168	35211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	53128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	31579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9681	37.373	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.740%
35) Dibromofluoromethane	7.709	113	12972	46.459	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.920%
50) Toluene-d8	10.178	98	56044	50.937	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.880%
62) 4-Bromofluorobenzene	12.477	95	10124	28.492	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.980%
Target Compounds						
					Qvalue	
16) Acetone	3.929	43	20280	392.314	ug/l #	85
39) Methylcyclohexane	9.172	83	1715	2.970	ug/l #	75
51) 4-Methyl-2-Pentanone	10.069	43	2085	12.013	ug/l	96
52) Toluene	10.239	92	53707	64.795	ug/l	99
67) Ethyl Benzene	11.593	91	3375	3.108	ug/l	100
68) m/p-Xylenes	11.702	106	5070	11.806	ug/l	98
69) o-Xylene	12.026	106	1865	4.525	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	1965	3.739	ug/l	98

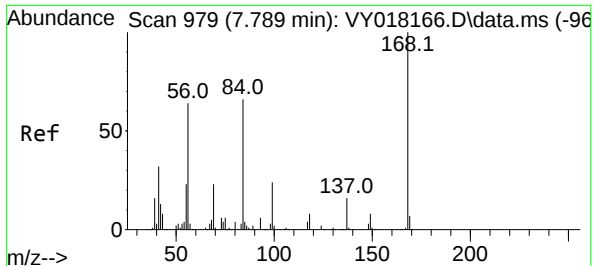
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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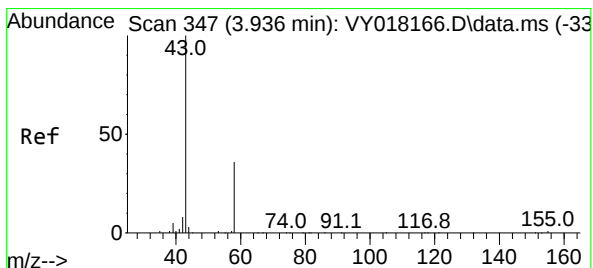
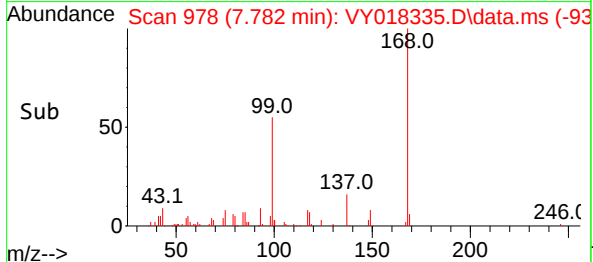
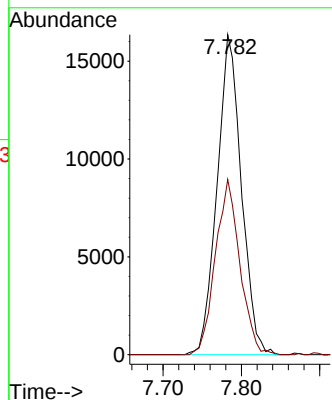
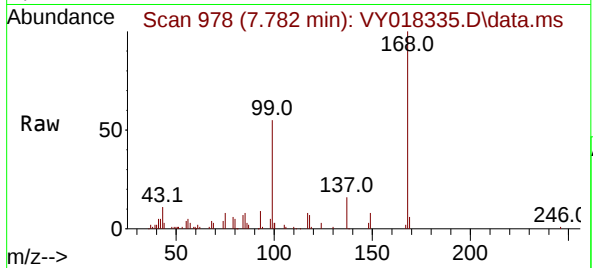




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

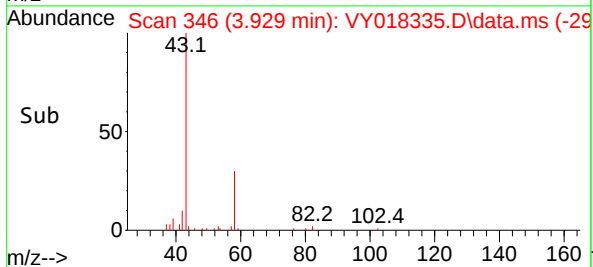
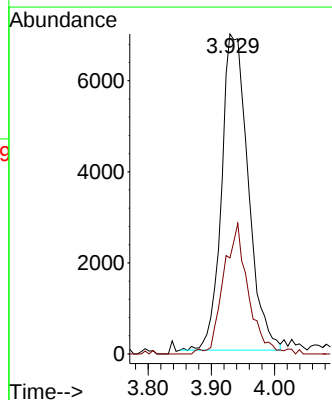
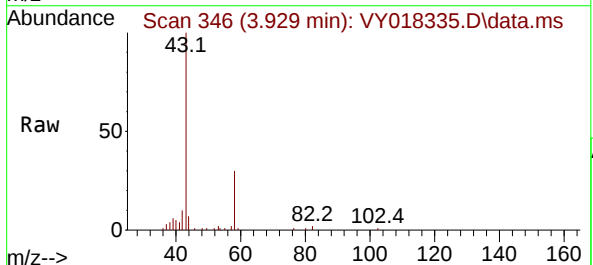
Instrument :
MSVOA_Y
ClientSampleId :
510-C

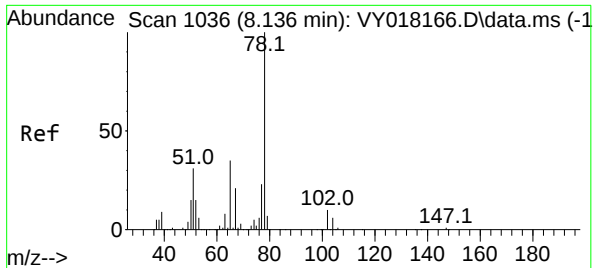
Tgt Ion:168 Resp: 35211
Ion Ratio Lower Upper
168 100
99 54.7 39.1 58.7



#16
Acetone
Concen: 392.314 ug/l
RT: 3.929 min Scan# 346
Delta R.T. -0.006 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

Tgt Ion: 43 Resp: 20280
Ion Ratio Lower Upper
43 100
58 30.4 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 37.373 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018335.D

Acq: 20 May 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

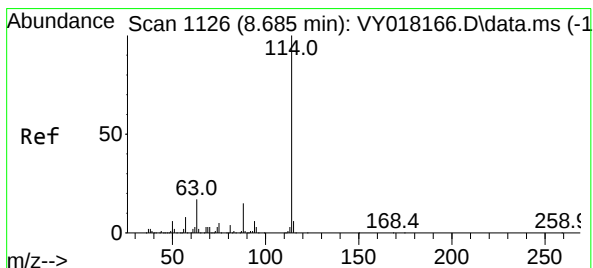
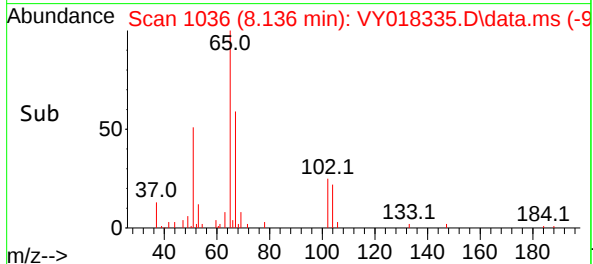
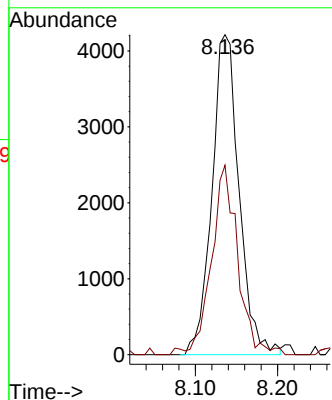
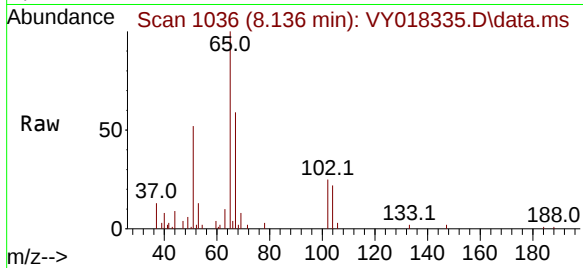
510-C

Tgt Ion: 65 Resp: 9681

Ion Ratio Lower Upper

65 100

67 57.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY018335.D

Acq: 20 May 2024 15:15

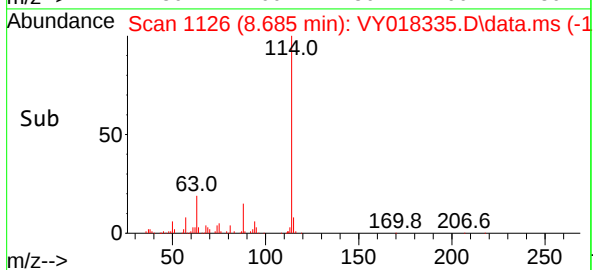
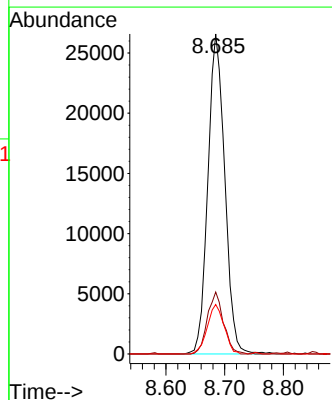
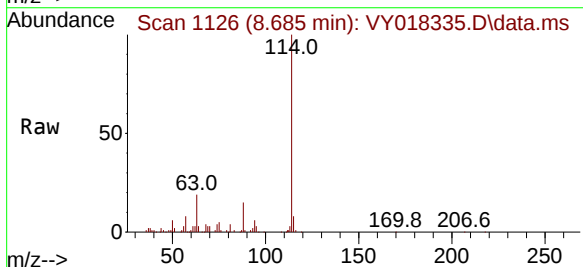
Tgt Ion: 114 Resp: 53128

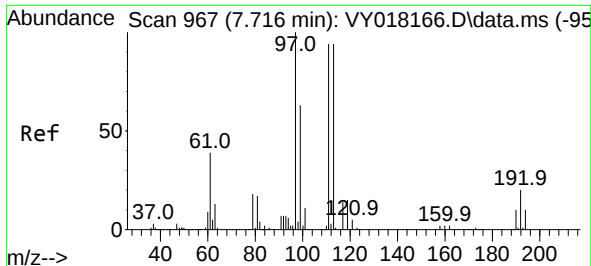
Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.0

88 15.4 0.0 27.2

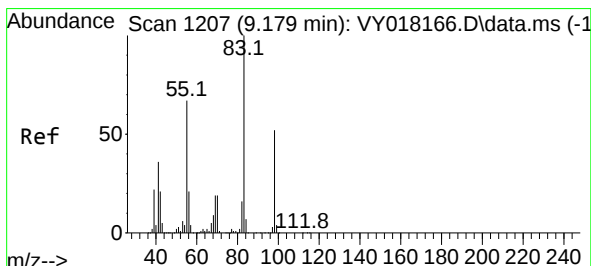
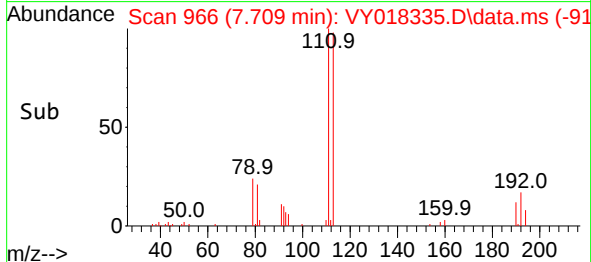
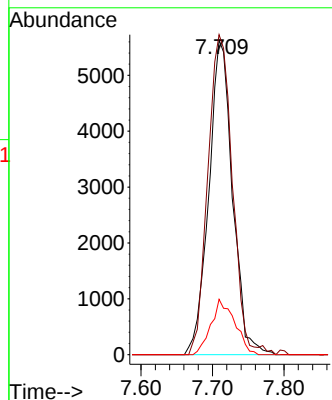
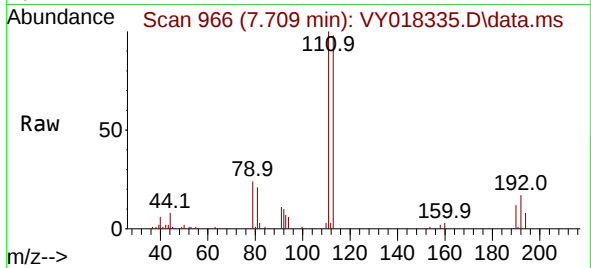




#35
Dibromofluoromethane
Concen: 46.459 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

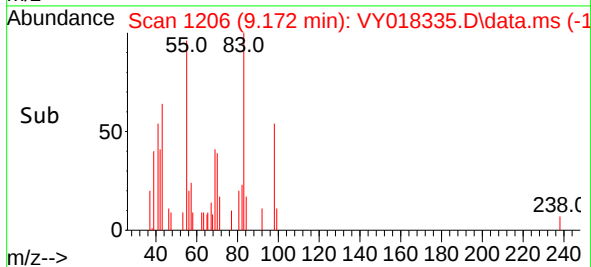
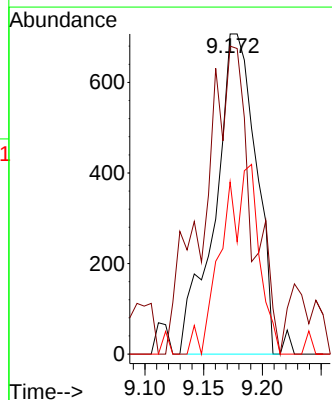
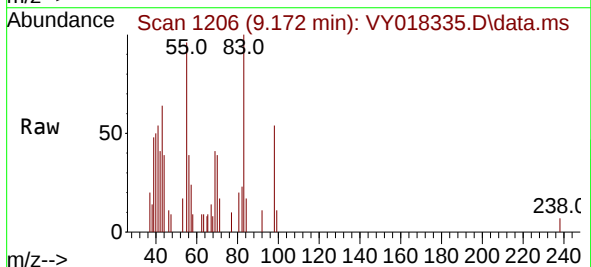
Instrument :
MSVOA_Y
ClientSampleId :
510-C

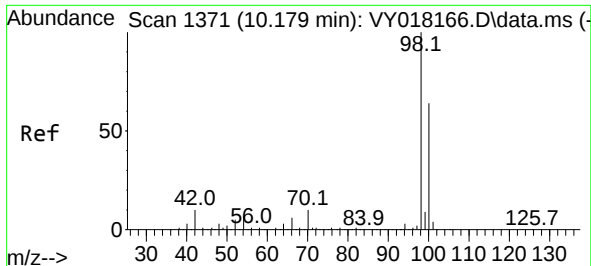
Tgt Ion:113 Resp: 12972
Ion Ratio Lower Upper
113 100
111 105.3 82.2 123.4
192 17.7 15.9 23.9



#39
Methylcyclohexane
Concen: 2.970 ug/l
RT: 9.172 min Scan# 1206
Delta R.T. -0.006 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

Tgt Ion: 83 Resp: 1715
Ion Ratio Lower Upper
83 100
55 96.2 51.5 77.3#
98 53.7 40.5 60.7

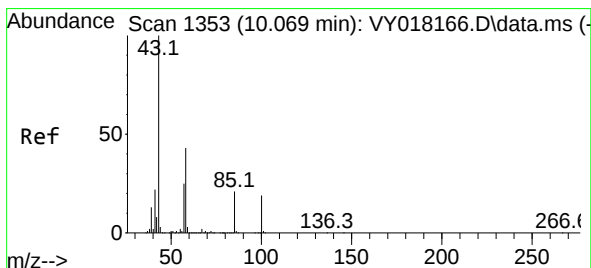
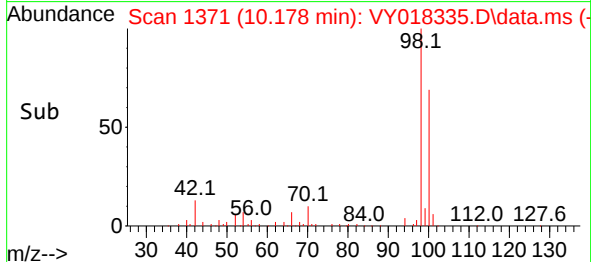
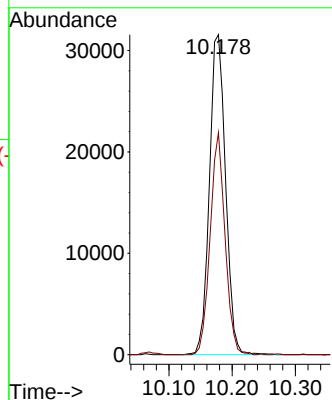
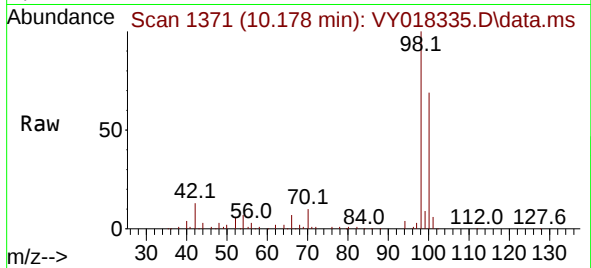




#50
Toluene-d8
Concen: 50.937 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

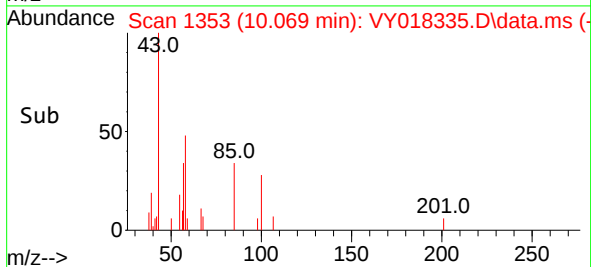
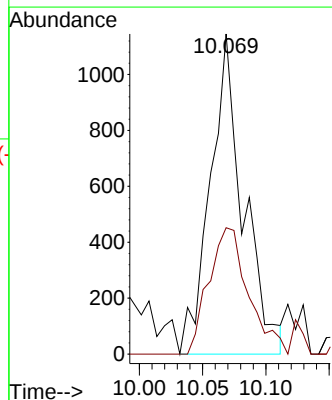
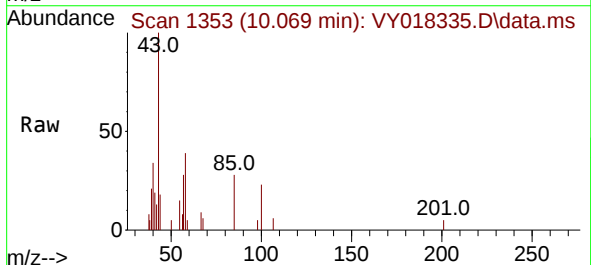
Instrument :
MSVOA_Y
ClientSampleId :
510-C

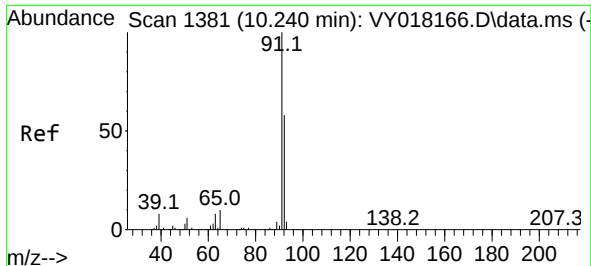
Tgt Ion: 98 Resp: 56044
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 12.013 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

Tgt Ion: 43 Resp: 2085
Ion Ratio Lower Upper
43 100
58 47.2 35.7 53.5

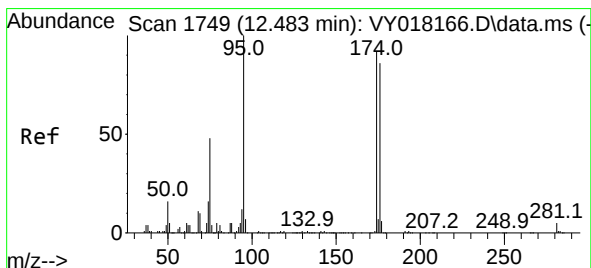
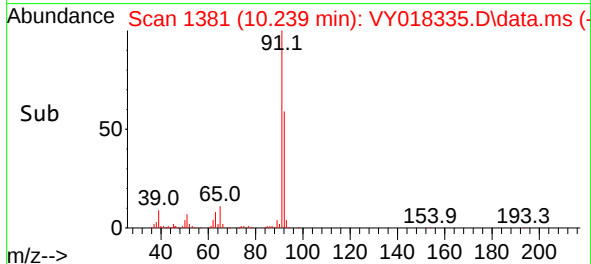
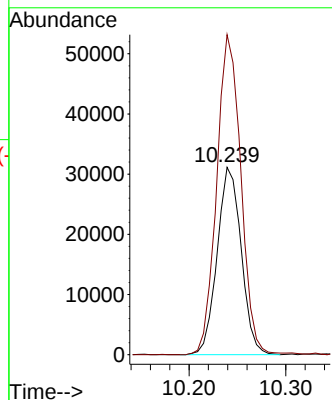
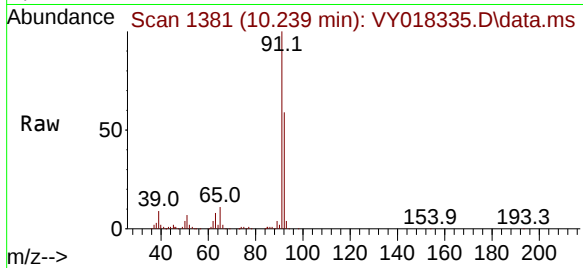




#52
Toluene
Concen: 64.795 ug/l
RT: 10.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

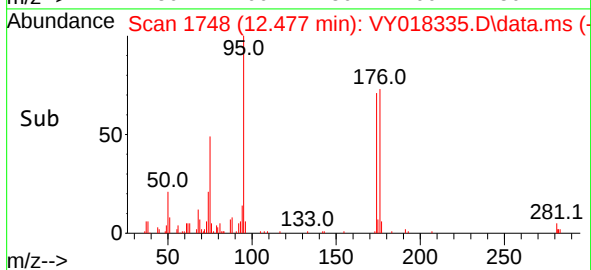
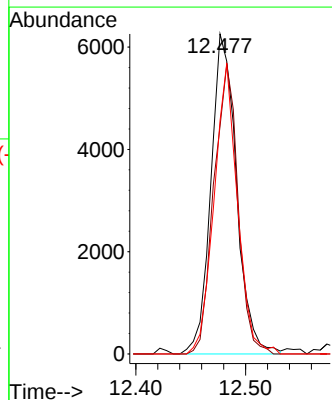
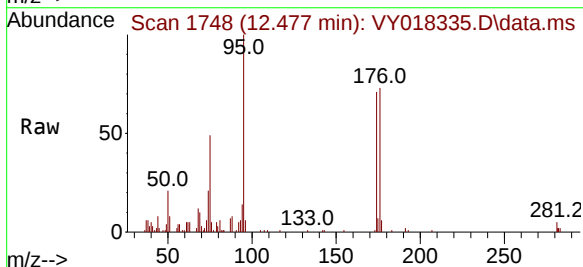
Instrument :
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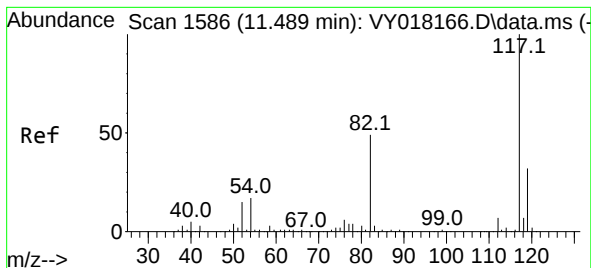
Tgt Ion: 92 Resp: 53707
Ion Ratio Lower Upper
92 100
91 172.1 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 28.492 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

Tgt Ion: 95 Resp: 10124
Ion Ratio Lower Upper
95 100
174 85.4 0.0 175.6
176 83.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018335.D

Acq: 20 May 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

510-C

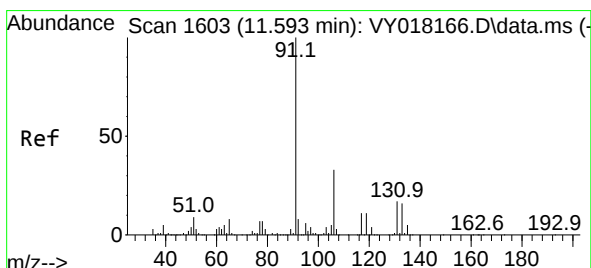
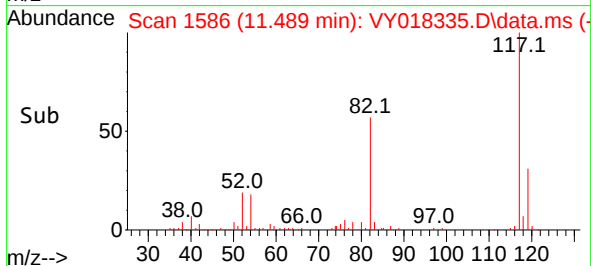
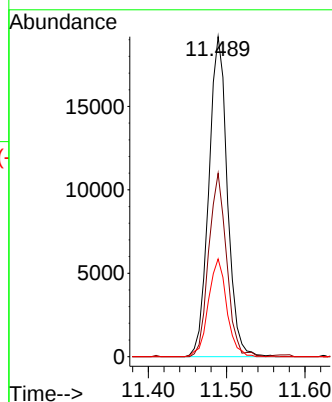
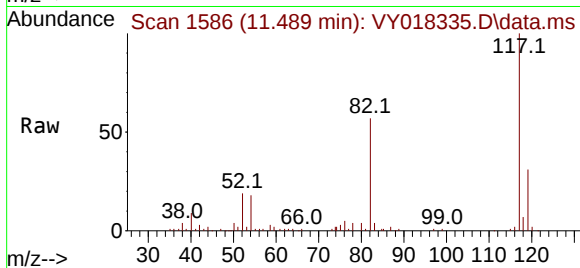
Tgt Ion:117 Resp: 31579

Ion Ratio Lower Upper

117 100

82 57.3 42.4 63.6

119 30.5 25.9 38.9



#67

Ethyl Benzene

Concen: 3.108 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY018335.D

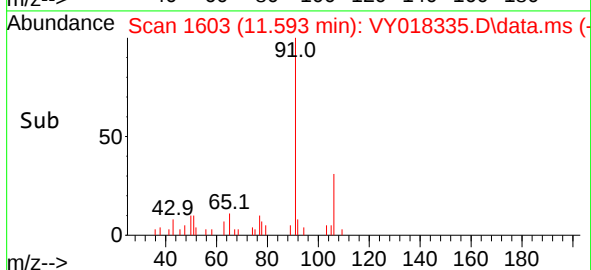
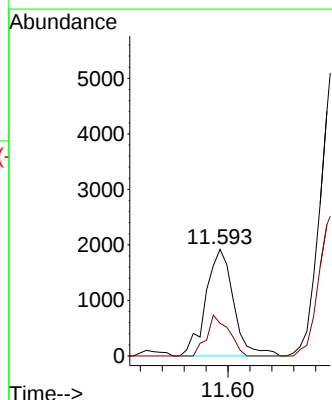
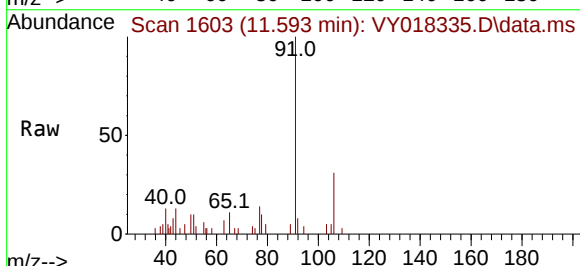
Acq: 20 May 2024 15:15

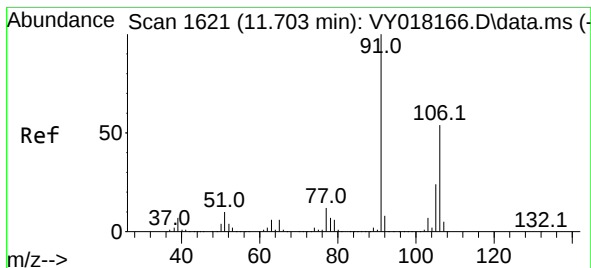
Tgt Ion: 91 Resp: 3375

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7

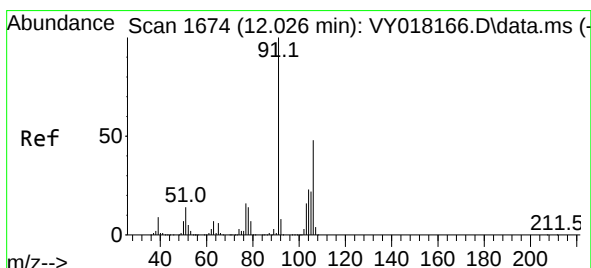
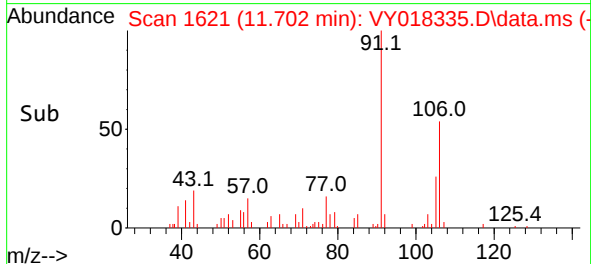
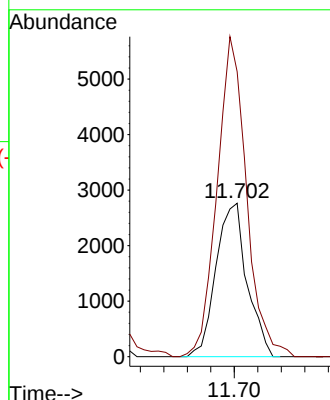
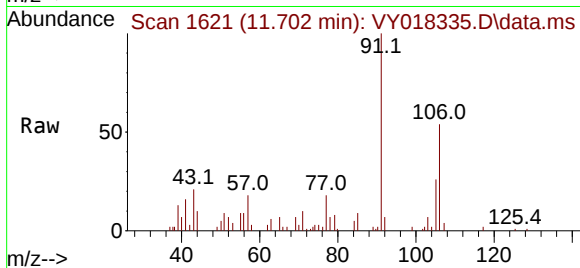




#68
m/p-Xylenes
Concen: 11.806 ug/l
RT: 11.702 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

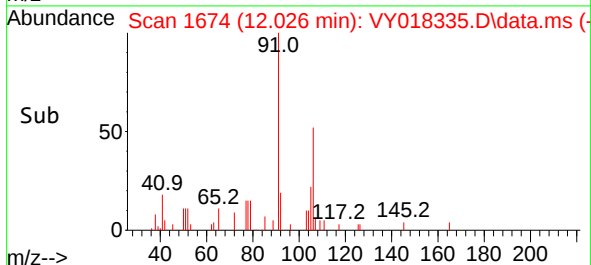
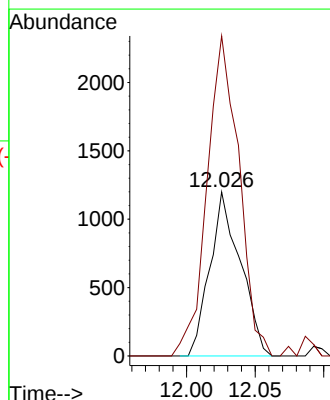
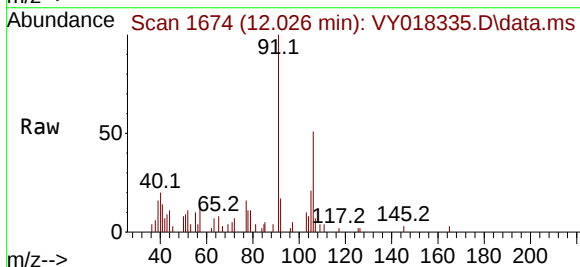
Instrument :
MSVOA_Y
ClientSampleId :
510-C

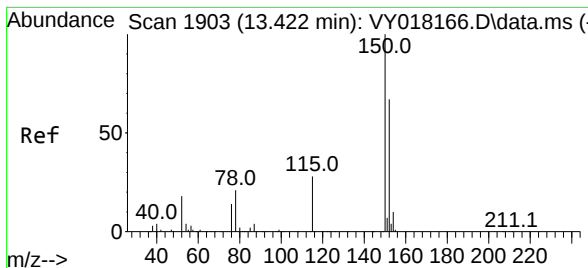
Tgt Ion:106 Resp: 5070
Ion Ratio Lower Upper
106 100
91 197.7 156.0 234.0



#69
o-Xylene
Concen: 4.525 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018335.D
Acq: 20 May 2024 15:15

Tgt Ion:106 Resp: 1865
Ion Ratio Lower Upper
106 100
91 203.1 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY018335.D

Acq: 20 May 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

510-C

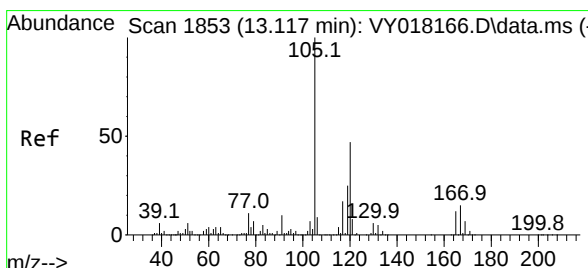
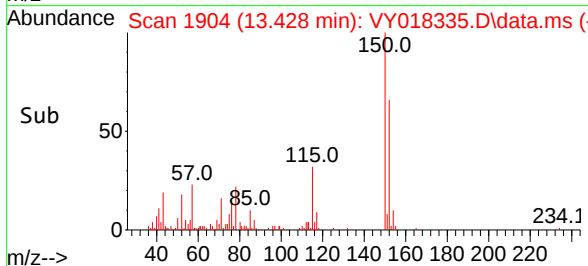
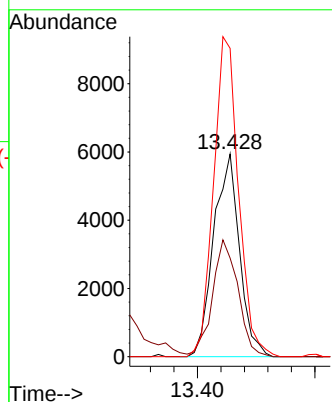
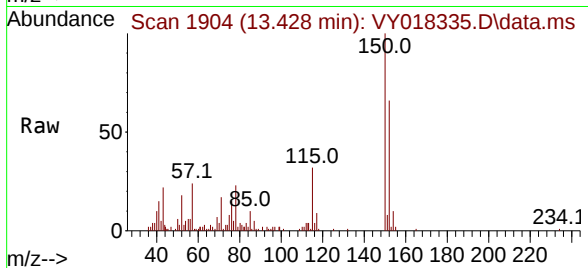
Tgt Ion:152 Resp: 9075

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.7

150 152.6 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 3.739 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY018335.D

Acq: 20 May 2024 15:15

Tgt Ion:105 Resp: 1965

Ion Ratio Lower Upper

105 100

120 47.6 23.2 69.6

