

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018334.D
 Acq On : 20 May 2024 14:51
 Operator : SY/MD
 Sample : P2511-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 510-D

Quant Time: May 21 01:25:22 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	7.783	168	43345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	73931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	49394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14884	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	17461	54.758	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.520%
35) Dibromofluoromethane	7.710	113	19084	49.117	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.240%
50) Toluene-d8	10.179	98	77576	50.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.340%
62) 4-Bromofluorobenzene	12.477	95	17902	36.206	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.420%

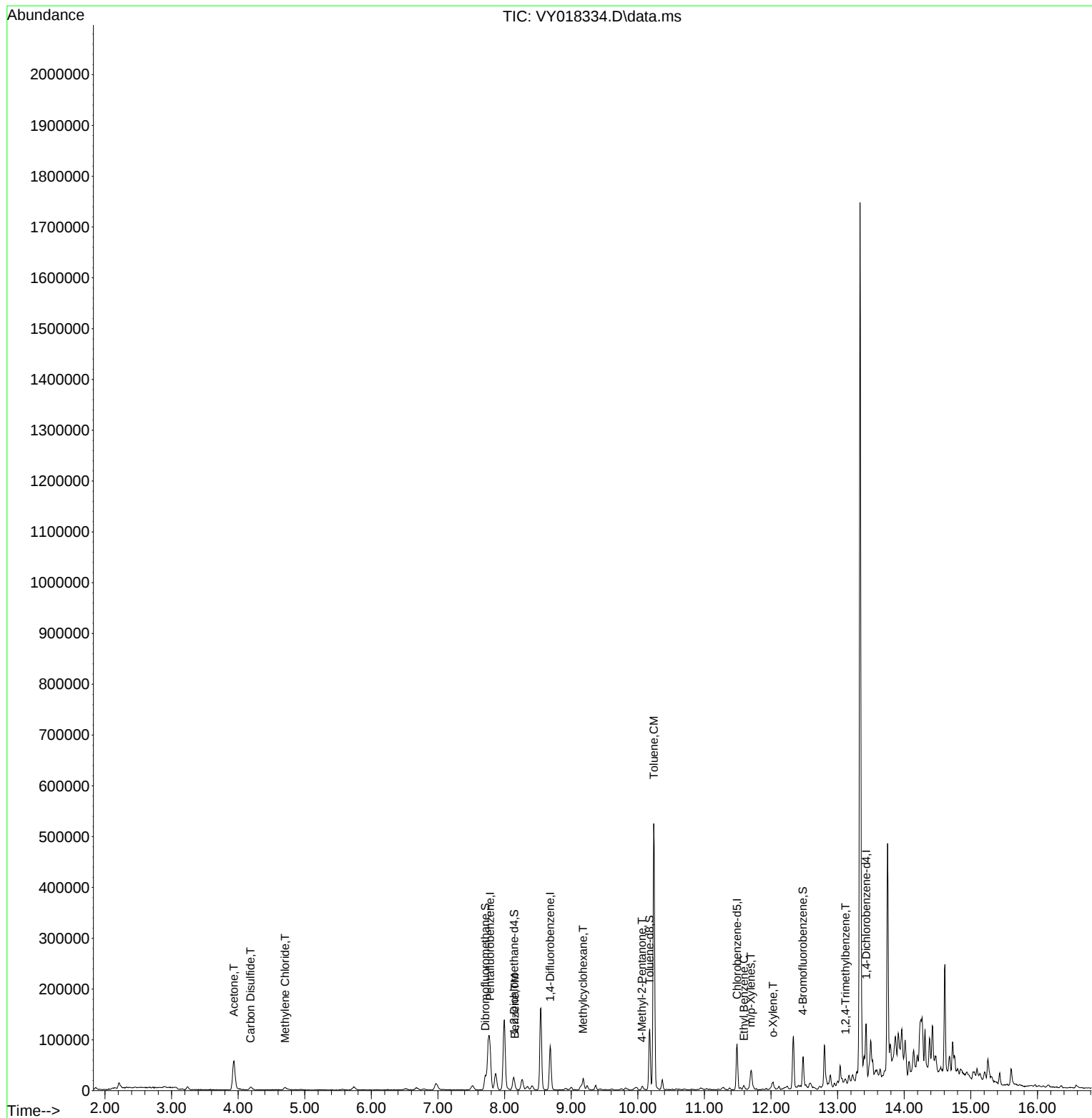
Target Compounds						Qvalue
16) Acetone	3.936	43	97740	1535.952	ug/l	92
17) Carbon Disulfide	4.186	76	4452	3.901	ug/l	96
20) Methylene Chloride	4.704	84	3408	7.577	ug/l	86
39) Methylcyclohexane	9.179	83	7952	9.896	ug/l	90
40) Benzene	8.155	78	1941	1.083	ug/l	99
51) 4-Methyl-2-Pentanone	10.063	43	5117	21.187	ug/l	88
52) Toluene	10.240	92	218906	189.787	ug/l	100
67) Ethyl Benzene	11.593	91	5318	3.131	ug/l	95
68) m/p-Xylenes	11.697	106	8631	12.849	ug/l	93
69) o-Xylene	12.032	106	2991	4.640	ug/l	84
84) 1,2,4-Trimethylbenzene	13.117	105	4349	5.045	ug/l	97

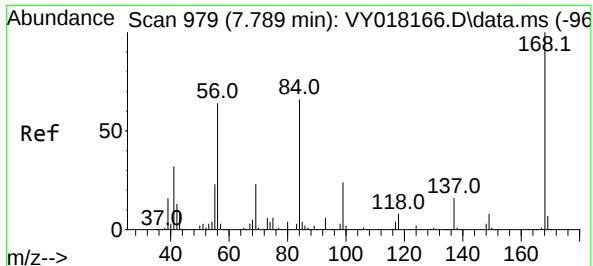
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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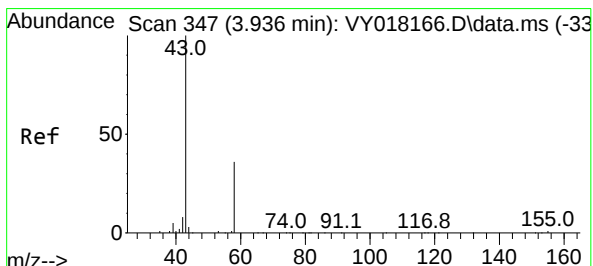
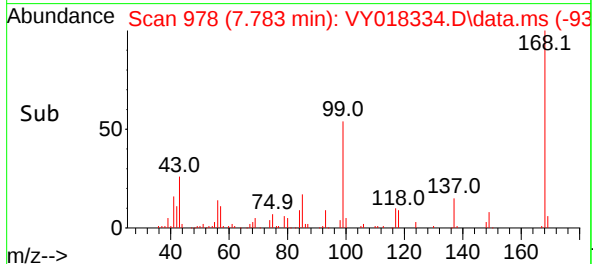
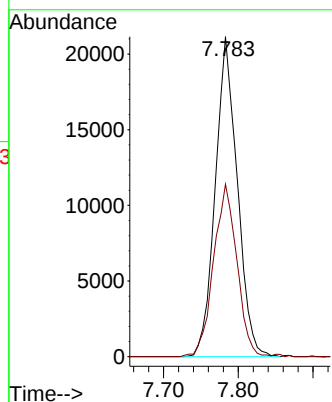
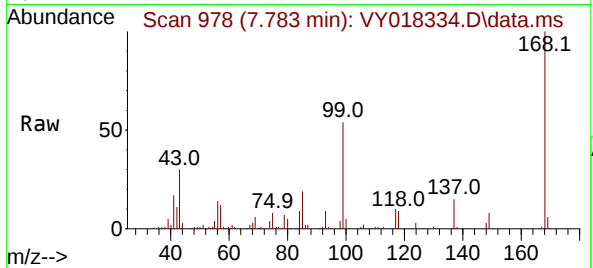




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

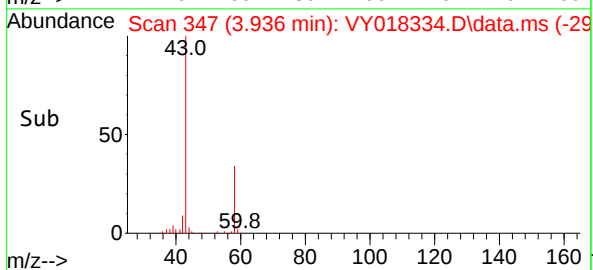
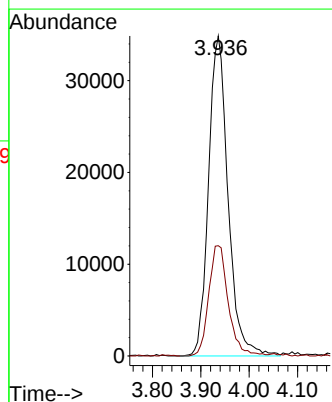
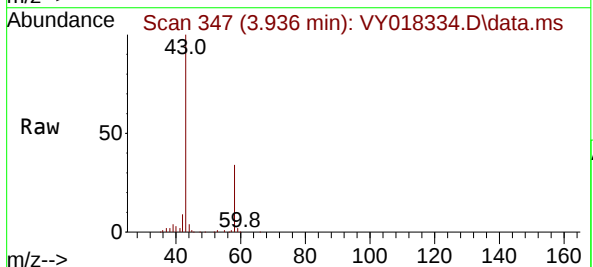
Instrument :
MSVOA_Y
ClientSampleId :
510-D

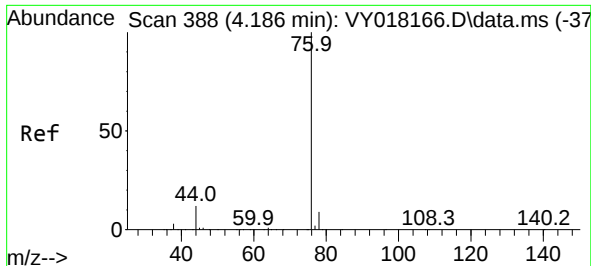
Tgt Ion:168 Resp: 43345
Ion Ratio Lower Upper
168 100
99 53.9 39.1 58.7



#16
Acetone
Concen: 1535.952 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

Tgt Ion: 43 Resp: 97740
Ion Ratio Lower Upper
43 100
58 34.5 31.7 47.5

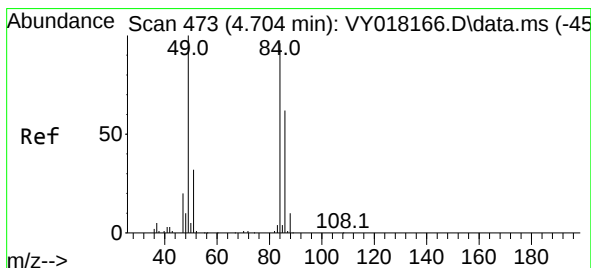
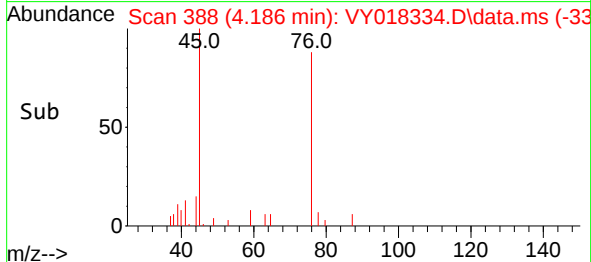
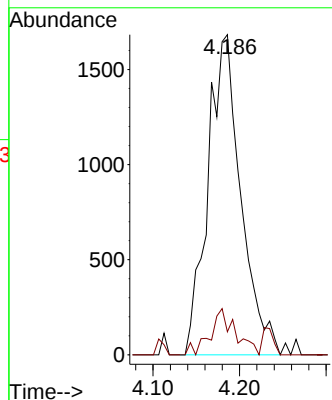
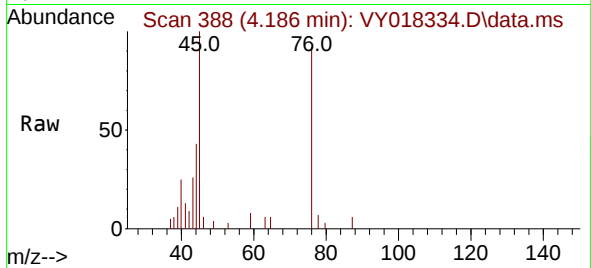




#17
Carbon Disulfide
Concen: 3.901 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

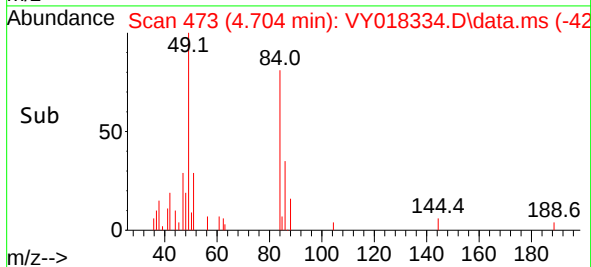
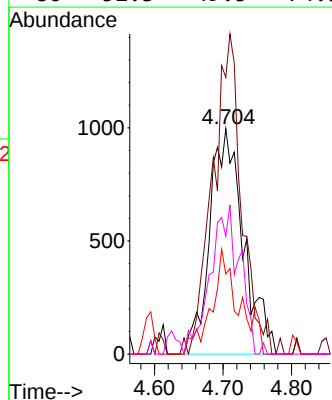
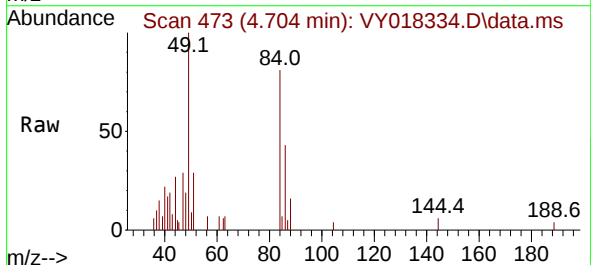
Instrument :
MSVOA_Y
ClientSampleId :
510-D

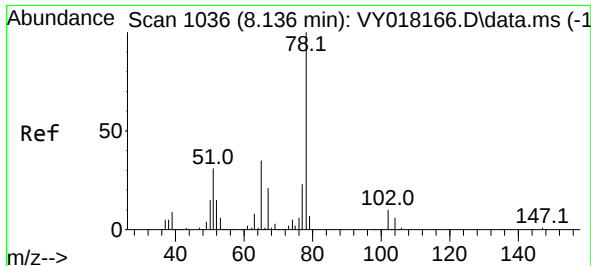
Tgt Ion: 76 Resp: 4452
Ion Ratio Lower Upper
76 100
78 7.2 6.8 10.2



#20
Methylene Chloride
Concen: 7.577 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

Tgt Ion: 84 Resp: 3408
Ion Ratio Lower Upper
84 100
49 122.8 84.4 126.6
51 35.5 26.0 39.0
86 52.3 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 54.758 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY018334.D

Acq: 20 May 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

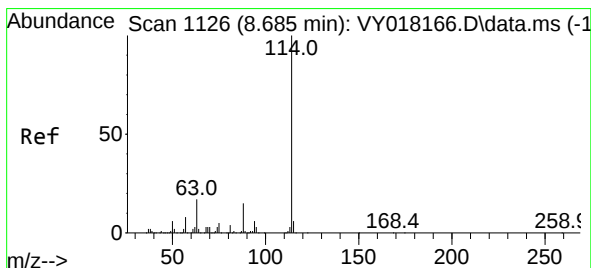
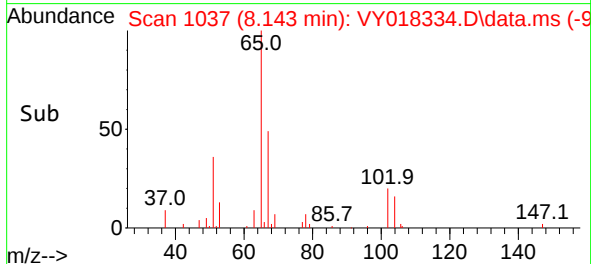
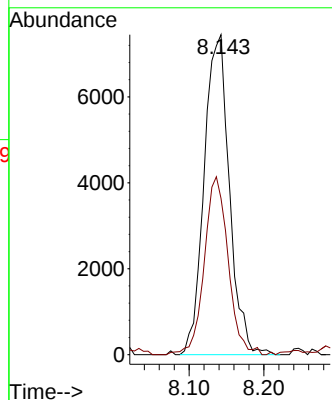
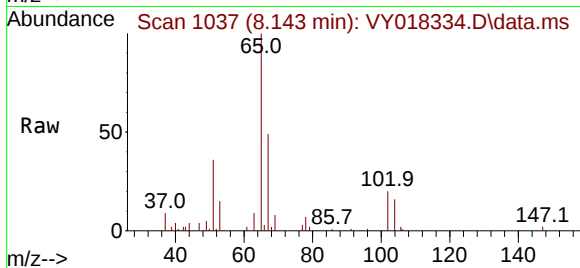
510-D

Tgt Ion: 65 Resp: 17461

Ion Ratio Lower Upper

65 100

67 52.5 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: VY018334.D

Acq: 20 May 2024 14:51

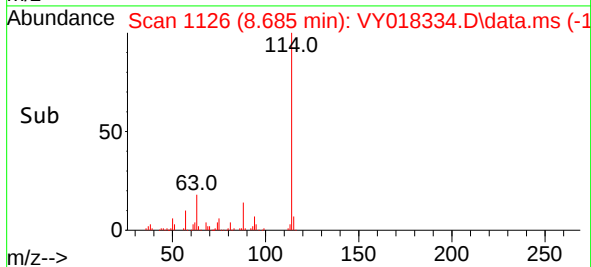
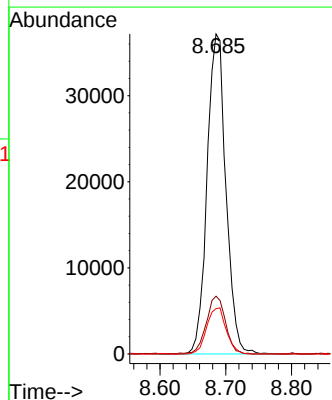
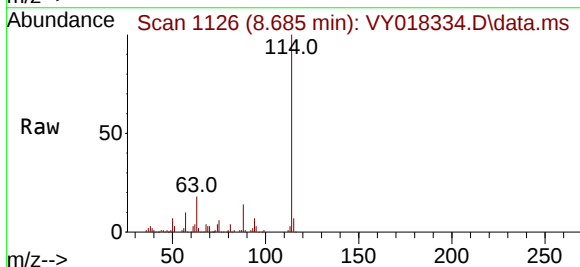
Tgt Ion: 114 Resp: 73931

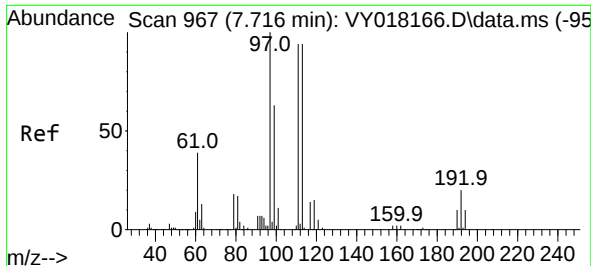
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 14.2 0.0 27.2

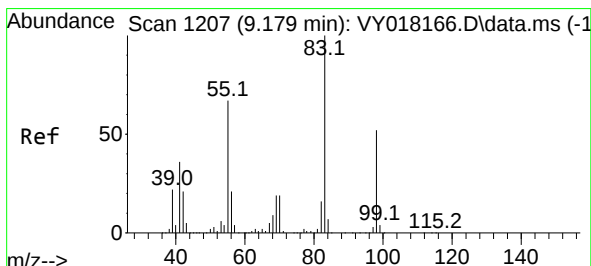
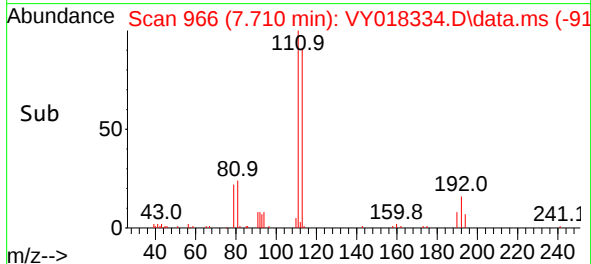
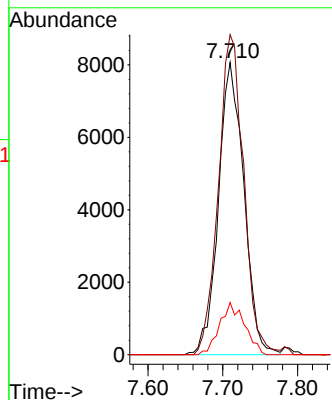
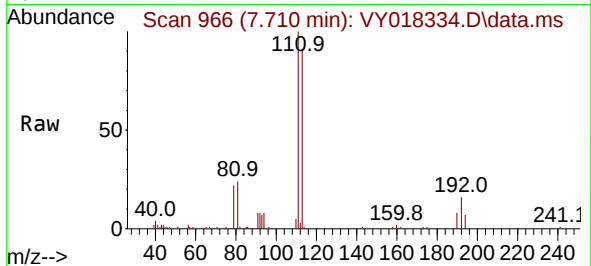




#35
Dibromofluoromethane
Concen: 49.117 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

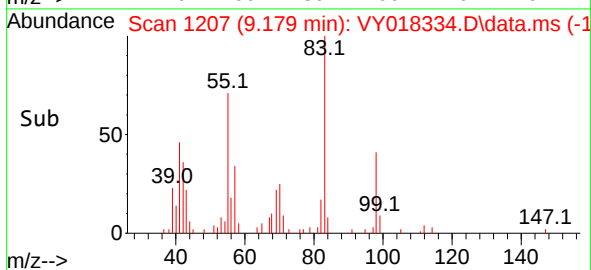
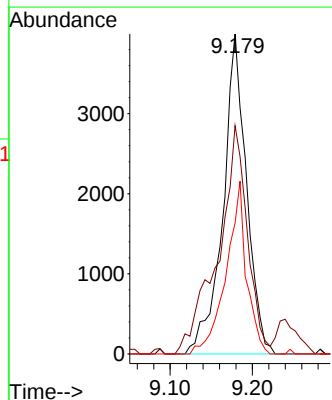
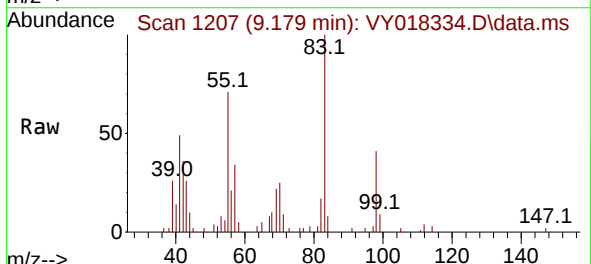
Instrument :
MSVOA_Y
ClientSampleId :
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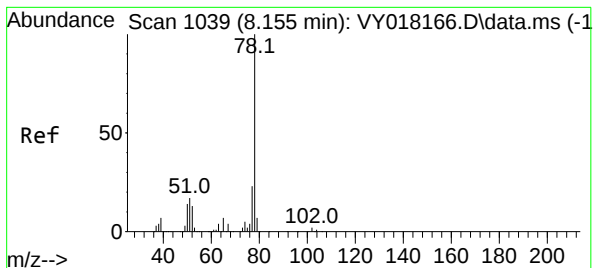
Tgt Ion:113 Resp: 19084
Ion Ratio Lower Upper
113 100
111 109.0 82.2 123.4
192 17.6 15.9 23.9



#39
Methylcyclohexane
Concen: 9.896 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

Tgt Ion: 83 Resp: 7952
Ion Ratio Lower Upper
83 100
55 69.2 51.5 77.3
98 40.9 40.5 60.7





#40

Benzene

Concen: 1.083 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY018334.D

Acq: 20 May 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

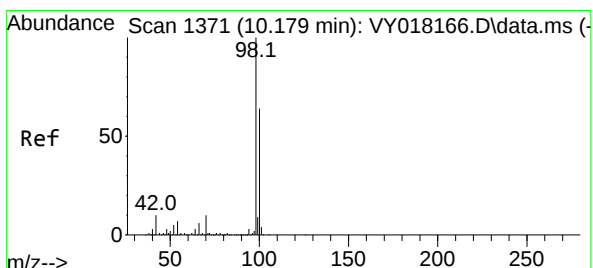
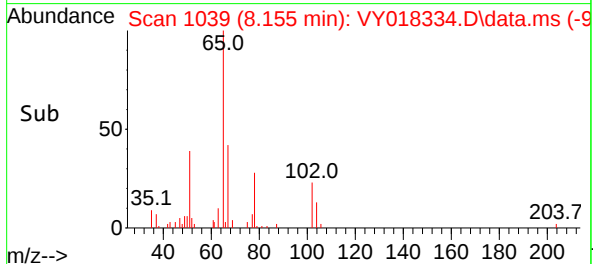
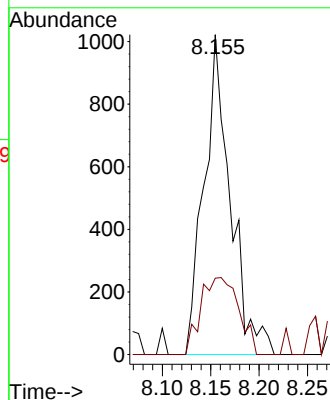
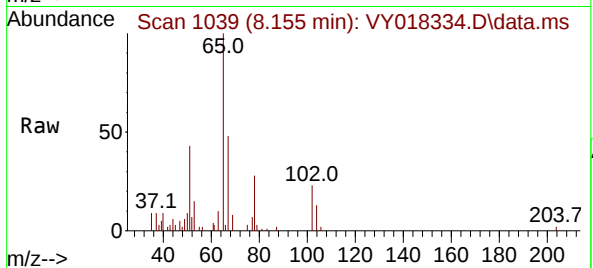
510-D

Tgt Ion: 78 Resp: 1941

Ion Ratio Lower Upper

78 100

77 23.9 19.5 29.3



#50

Toluene-d8

Concen: 50.667 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018334.D

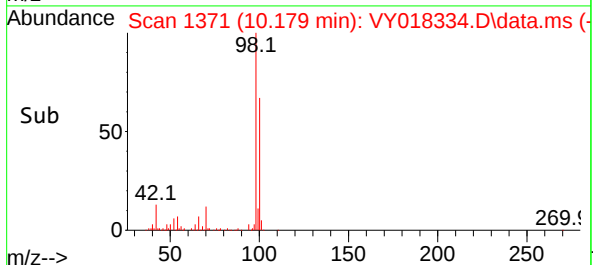
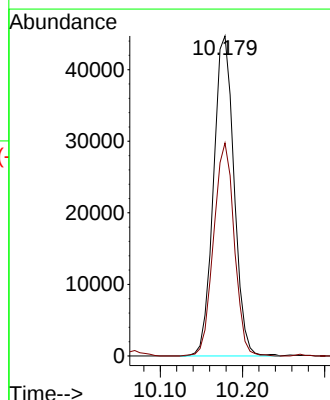
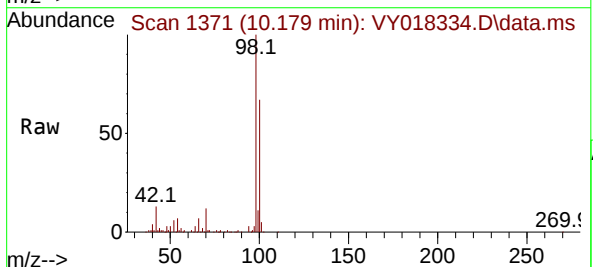
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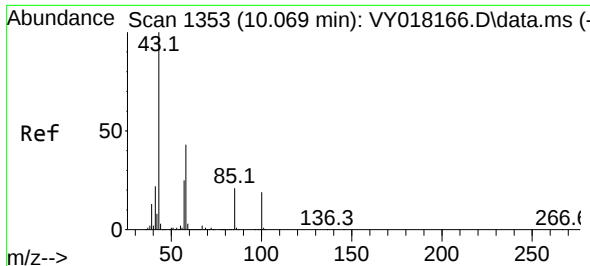
Tgt Ion: 98 Resp: 77576

Ion Ratio Lower Upper

98 100

100 66.8 52.0 78.0

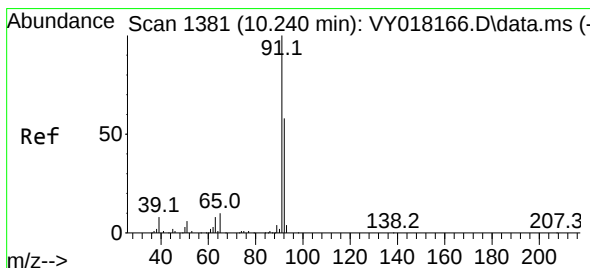
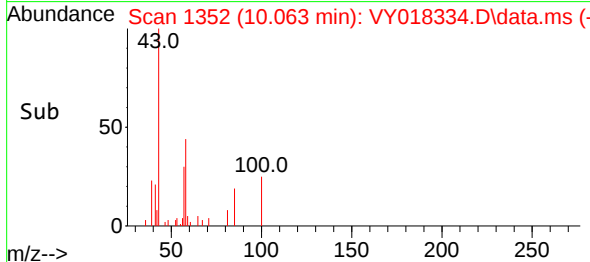
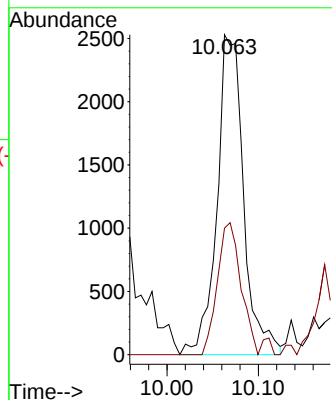
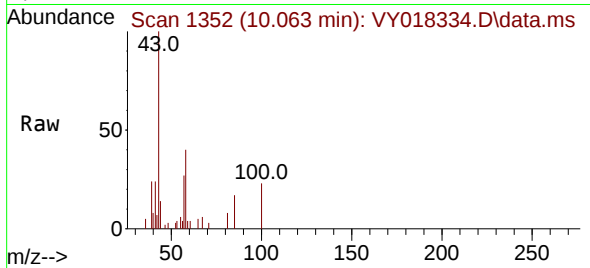




#51
4-Methyl-2-Pentanone
Concen: 21.187 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

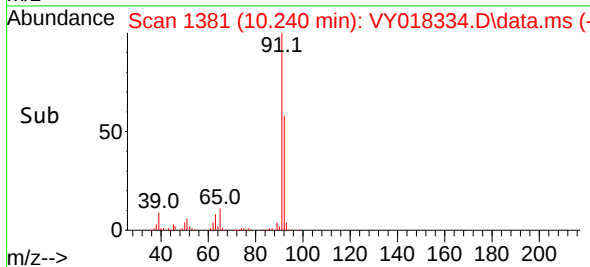
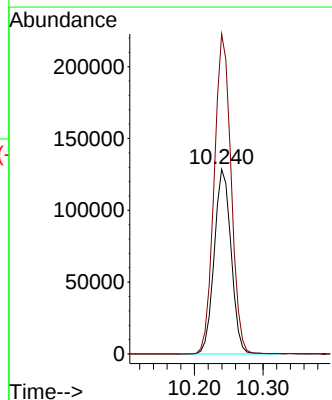
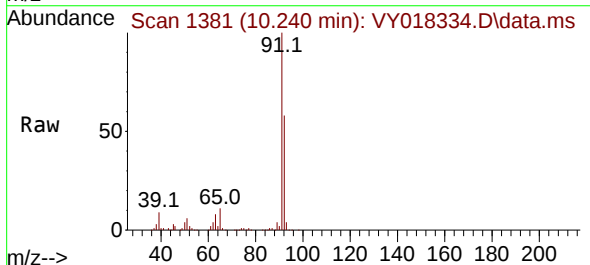
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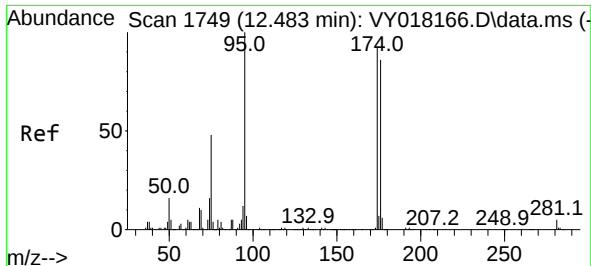
Tgt Ion: 43 Resp: 5117
Ion Ratio Lower Upper
43 100
58 36.5 35.7 53.5



#52
Toluene
Concen: 189.787 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

Tgt Ion: 92 Resp: 218906
Ion Ratio Lower Upper
92 100
91 173.9 139.0 208.6

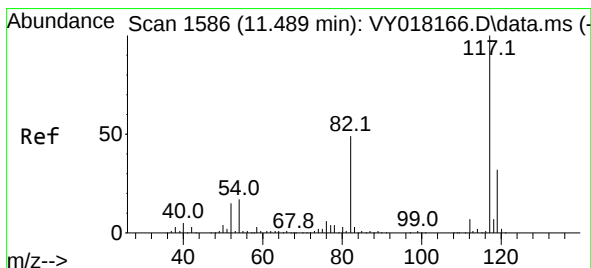
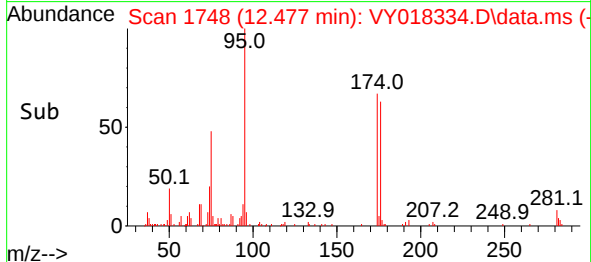
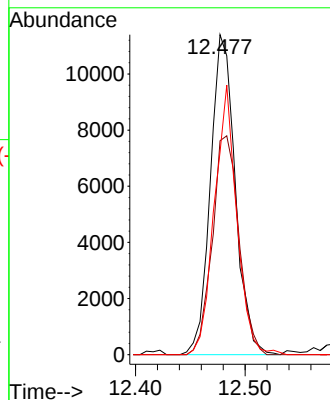
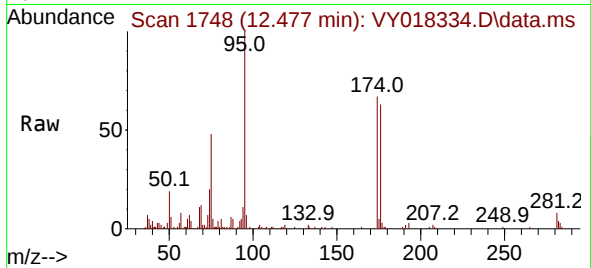




#62
4-Bromofluorobenzene
Concen: 36.206 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

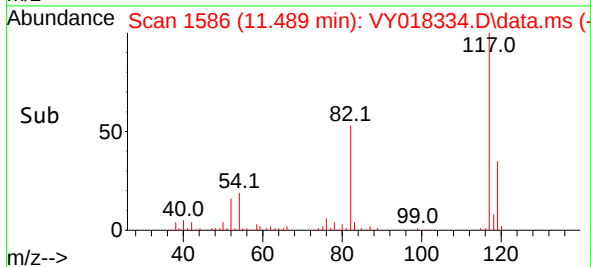
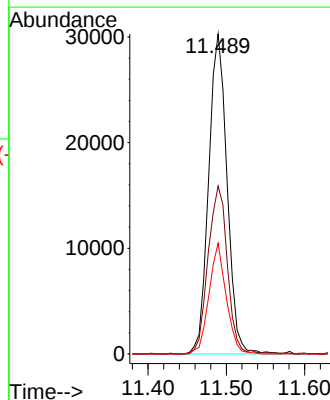
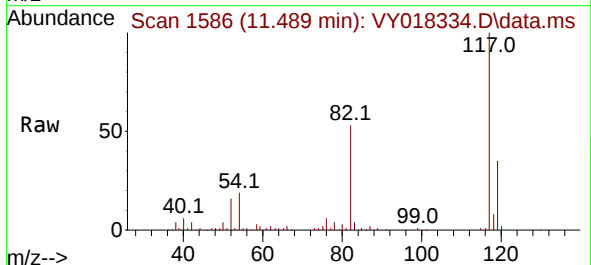
Instrument :
MSVOA_Y
ClientSampleId :
510-D

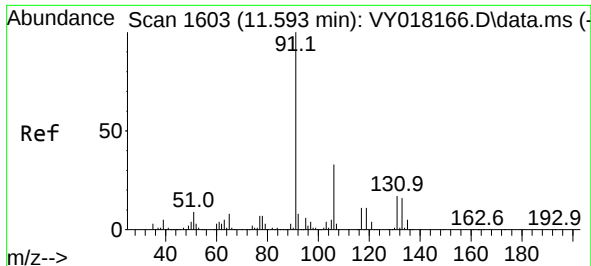
Tgt Ion: 95 Resp: 17902
Ion Ratio Lower Upper
95 100
174 73.5 0.0 175.6
176 76.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018334.D
Acq: 20 May 2024 14:51

Tgt Ion: 117 Resp: 49394
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 34.6 25.9 38.9





#67

Ethyl Benzene

Concen: 3.131 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY018334.D

Acq: 20 May 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

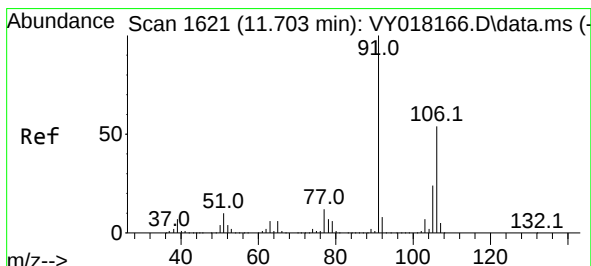
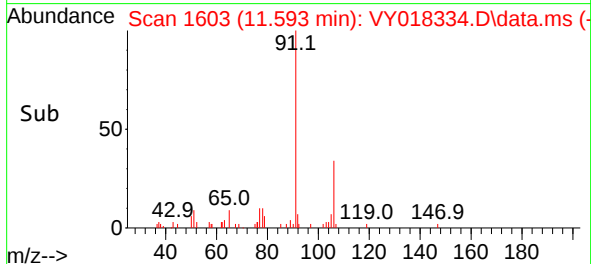
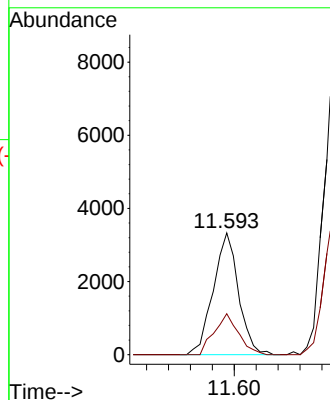
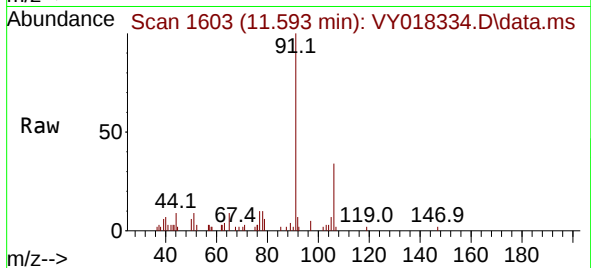
510-D

Tgt Ion: 91 Resp: 5318

Ion Ratio Lower Upper

91 100

106 33.6 24.5 36.7



#68

m/p-Xylenes

Concen: 12.849 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY018334.D

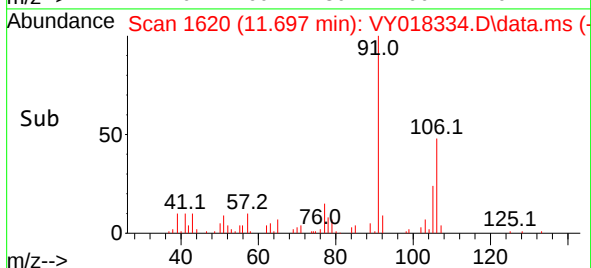
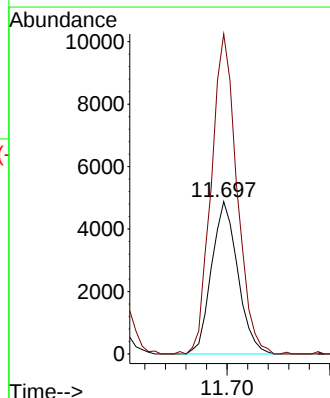
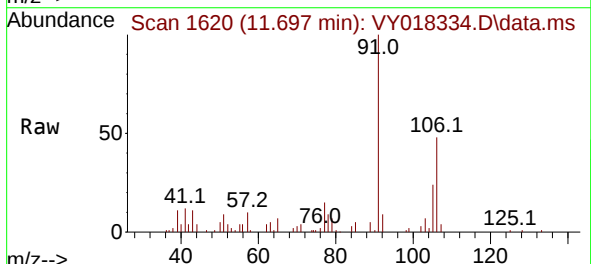
Acq: 20 May 2024 14:51

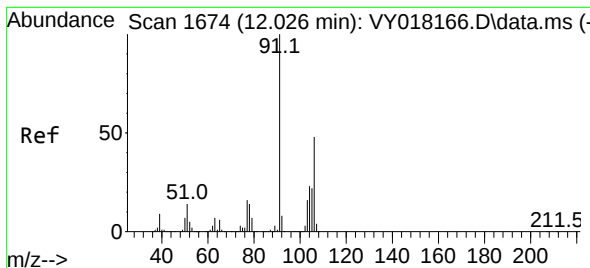
Tgt Ion: 106 Resp: 8631

Ion Ratio Lower Upper

106 100

91 206.2 156.0 234.0





#69

o-Xylene

Concen: 4.640 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018334.D

Acq: 20 May 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

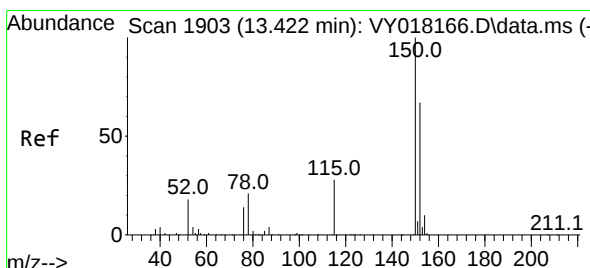
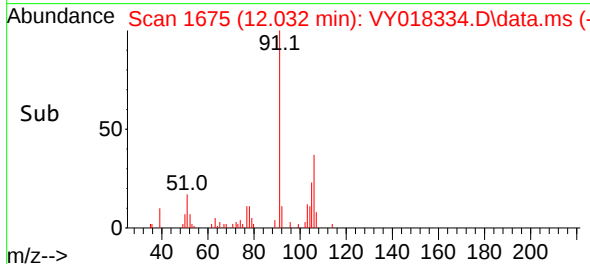
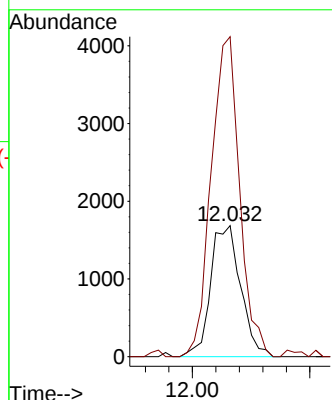
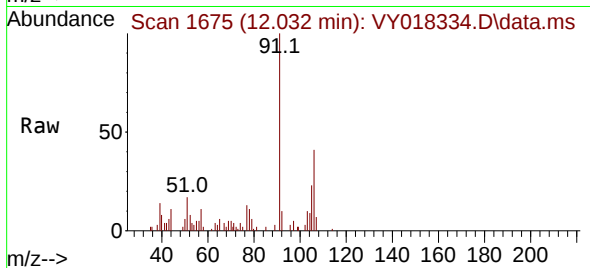
510-D

Tgt Ion:106 Resp: 2991

Ion Ratio Lower Upper

106 100

91 231.8 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018334.D

Acq: 20 May 2024 14:51

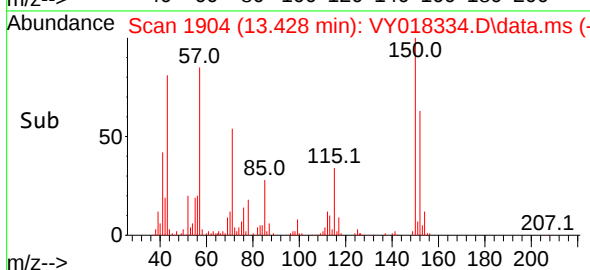
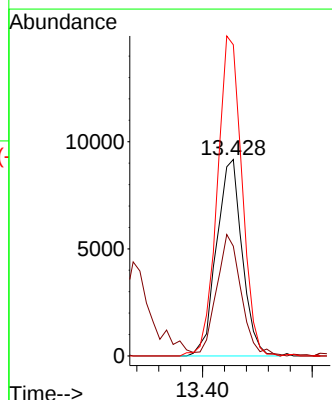
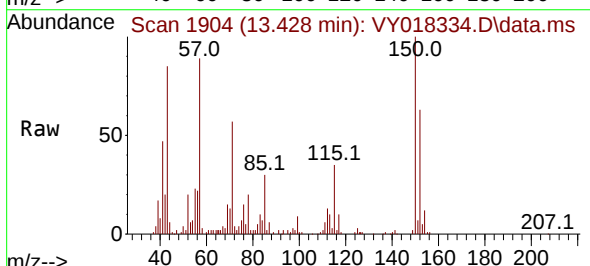
Tgt Ion:152 Resp: 14884

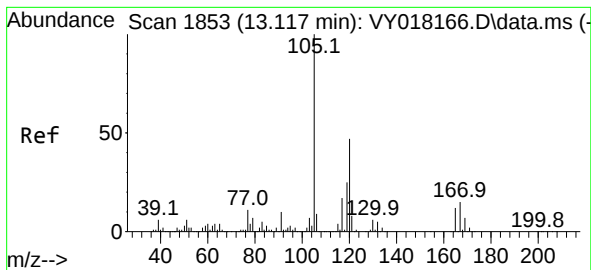
Ion Ratio Lower Upper

152 100

115 59.6 28.2 84.7

150 156.6 0.0 345.6





#84

1,2,4-Trimethylbenzene

Concen: 5.045 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018334.D

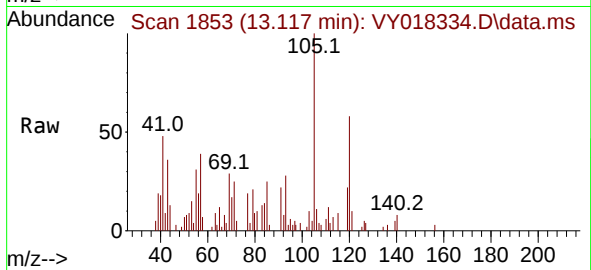
Acq: 20 May 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

510-D



Tgt Ion:105 Resp: 4349

Ion Ratio Lower Upper

105 100

120 44.1 23.2 69.6

