

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091820\
 Data File : VX018504.D
 Acq On : 18 Sep 2020 19:42
 Operator : JC/SP
 Sample : L4058-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Sep 21 07:36:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	489638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	805734	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	743144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	372489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	339782	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.46	113	267969	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	8.70	98	957377	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.12	95	363745	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	

Target Compounds

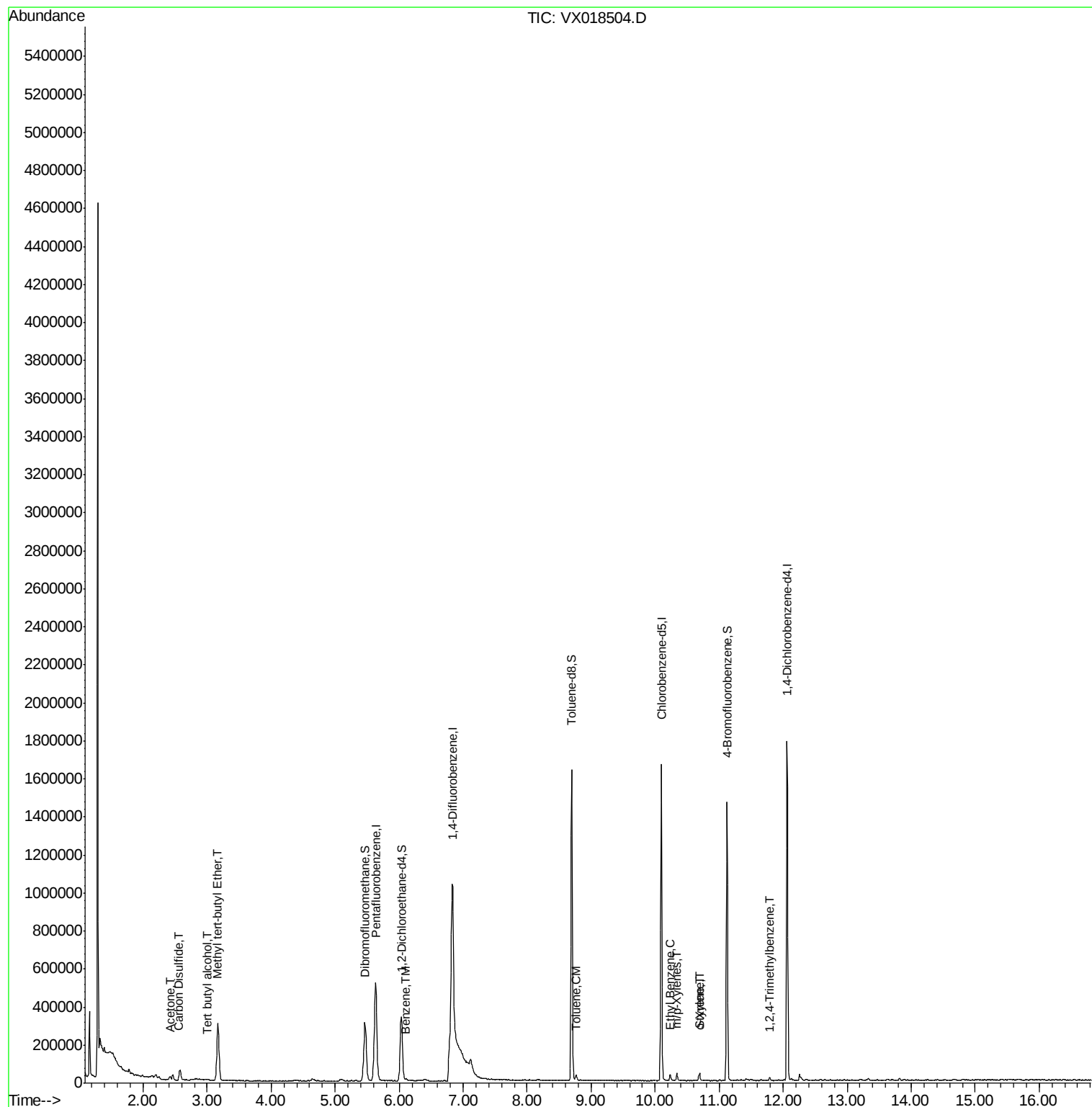
						Qvalue
11) Tert butyl alcohol	3.01	59	5723	4.749	ug/l #	72
16) Acetone	2.42	43	21179	7.995	ug/l	95
17) Carbon Disulfide	2.56	76	7043	0.497	ug/l #	86
19) Methyl tert-butyl Ether	3.17	73	338719	20.349	ug/l	98
40) Benzene	6.11	78	10100	0.451	ug/l	98
52) Toluene	8.77	92	9612	0.682	ug/l	98
67) Ethyl Benzene	10.23	91	17734	0.670	ug/l	90
68) m/p-Xylenes	10.34	106	8598	0.858	ug/l	100
69) o-Xylene	10.68	106	4638	0.489	ug/l	98
70) Styrene	10.70	104	12049	0.735	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	8660	0.404	ug/l	95

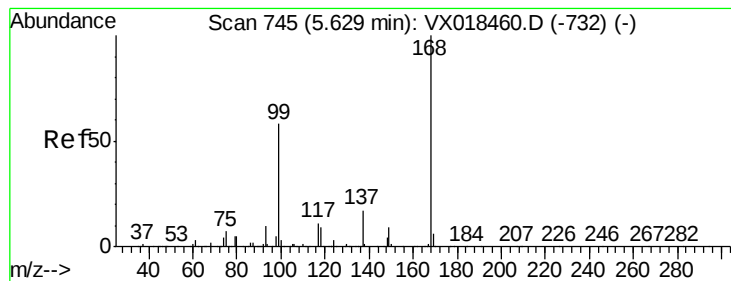
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

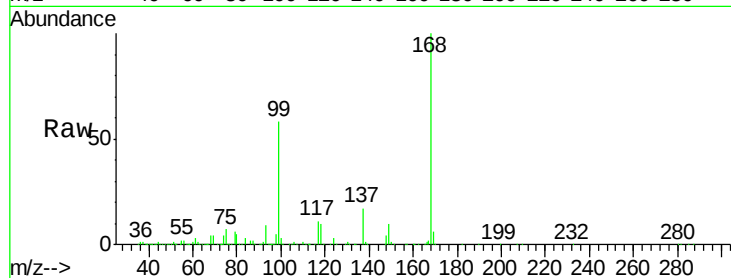
MW-8

Tot Ion:168 Resp: 489638

Ion Ratio Lower Upper

168 100

99 57.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

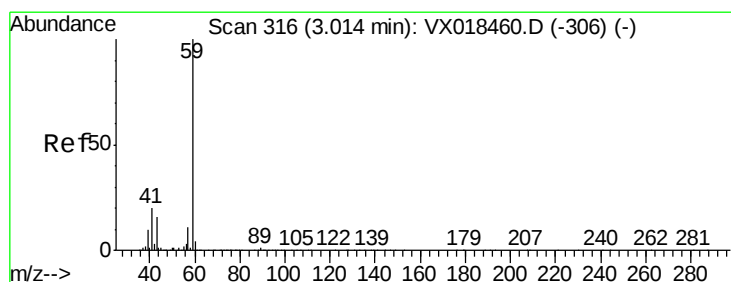
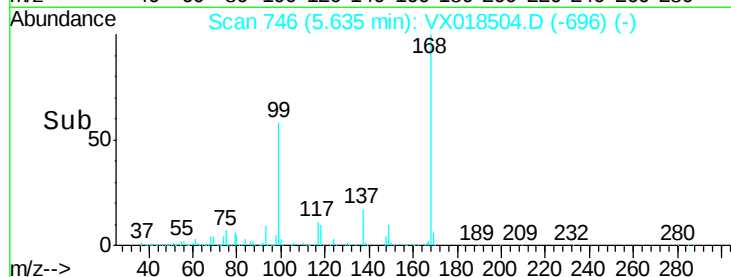
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.749 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX018504.D

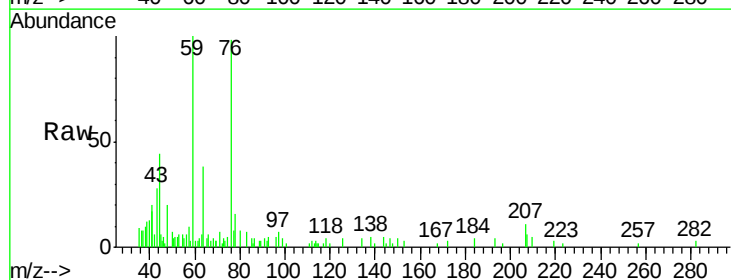
Acq: 18 Sep 2020 19:42

Tgt Ion: 59 Resp: 5723

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

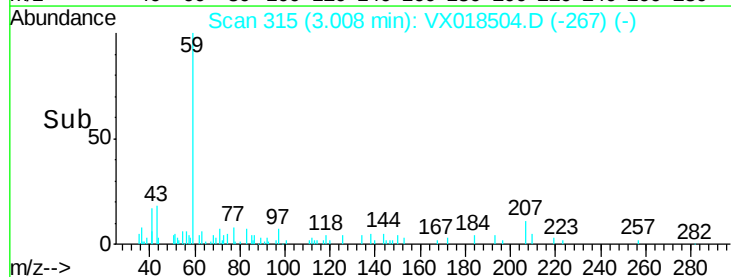
3000

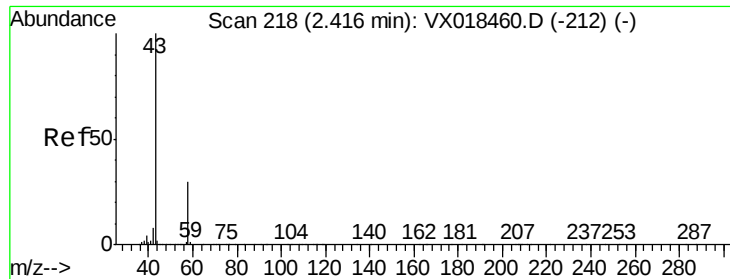
2000

1000

0

Time-->

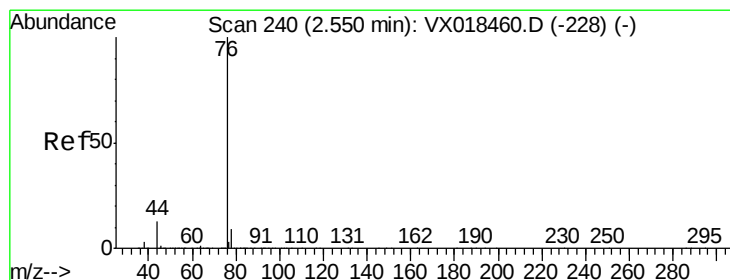
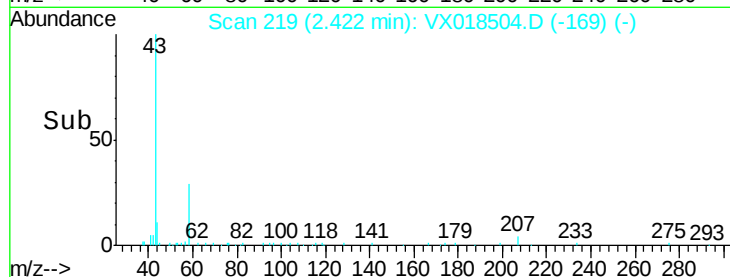
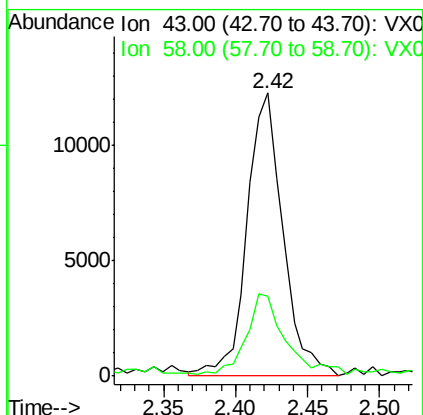
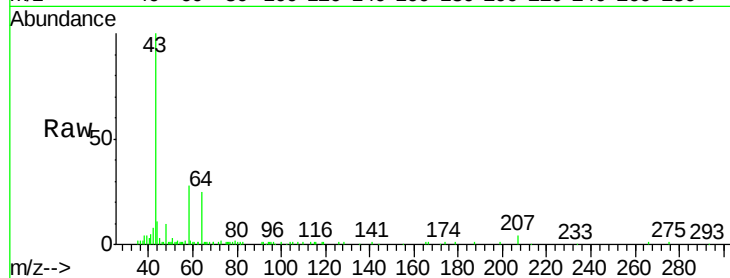




#16
Acetone
Concen: 7.995 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.01 min
Lab File: VX018504.D
Acq: 18 Sep 2020 19:42

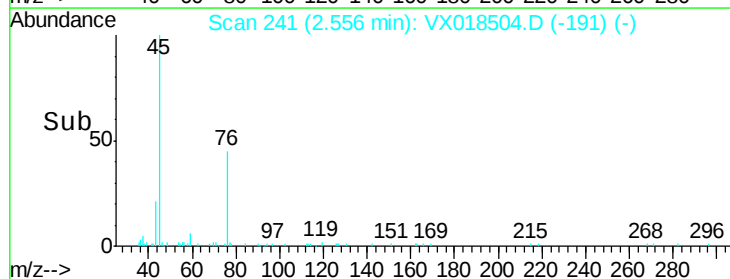
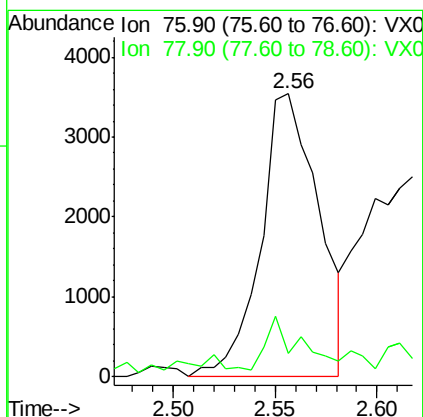
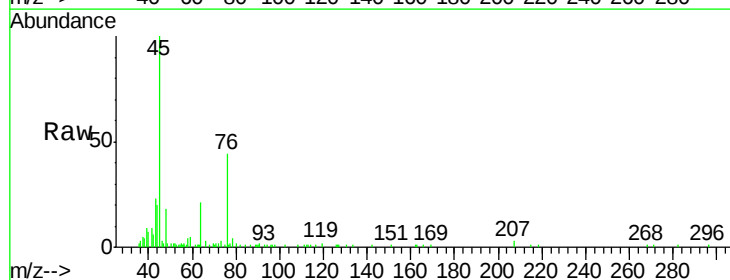
Instrument :
MSVOA_X
ClientSampled :
MW-8

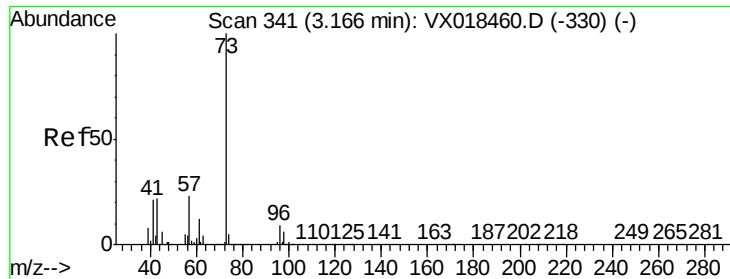
Tot Ion: 43 Resp: 21179
Ion Ratio Lower Upper
43 100
58 27.1 24.0 36.0



#17
Carbon Disulfide
Concen: 0.497 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018504.D
Acq: 18 Sep 2020 19:42

Tgt Ion: 76 Resp: 7043
Ion Ratio Lower Upper
76 100
78 3.7 7.0 10.4#



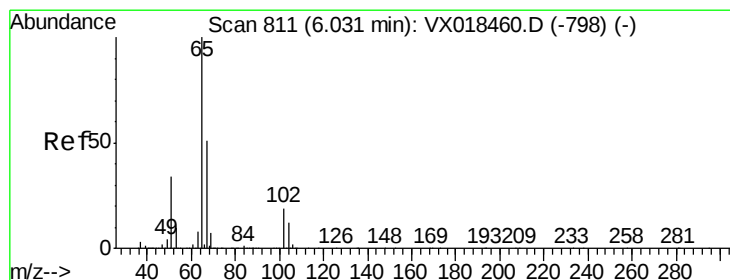
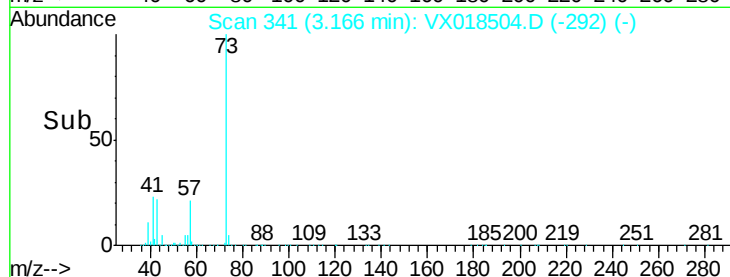
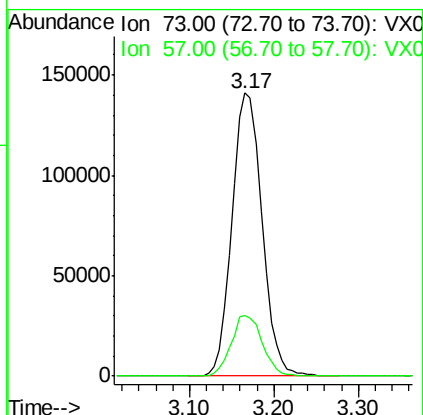
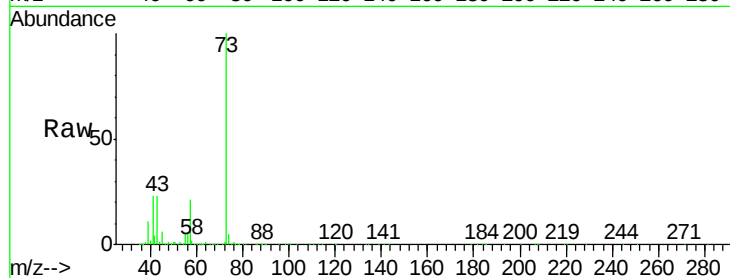


#19

Methvl tert-butvl Ether
 Concen: 20.349 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX018504.D
 Acq: 18 Sep 2020 19:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

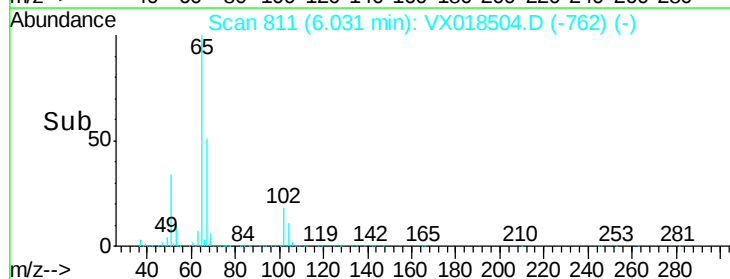
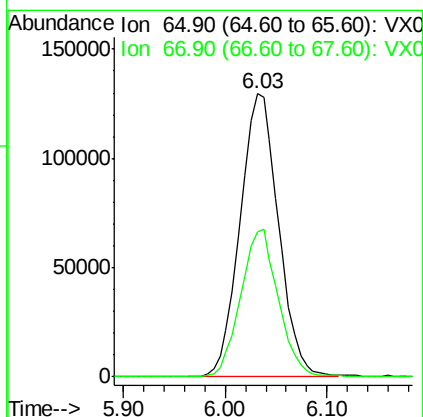
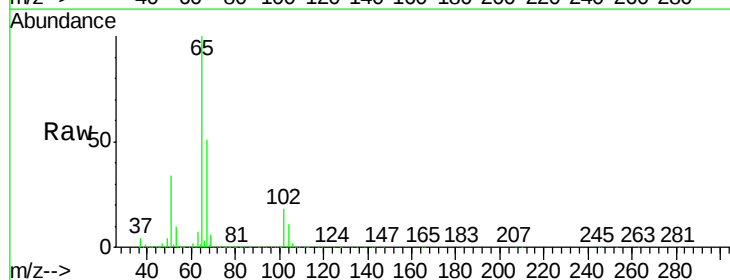
Tot Ion: 73 Resp: 338719
 Ion Ratio Lower Upper
 73 100
 57 21.3 18.0 27.0

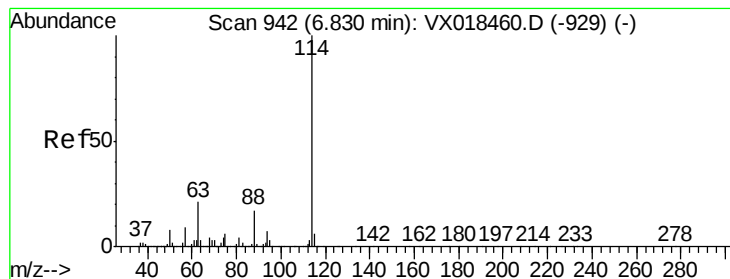


#33

1,2-Dichloroethane-d4
 Concen: 49.054 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018504.D
 Acq: 18 Sep 2020 19:42

Tgt Ion: 65 Resp: 339782
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

MW-8

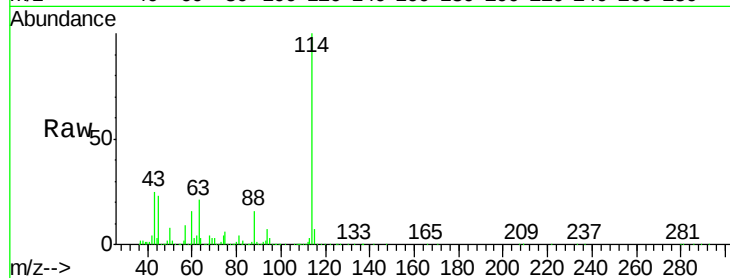
Tot Ion:114 Resp: 805734

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

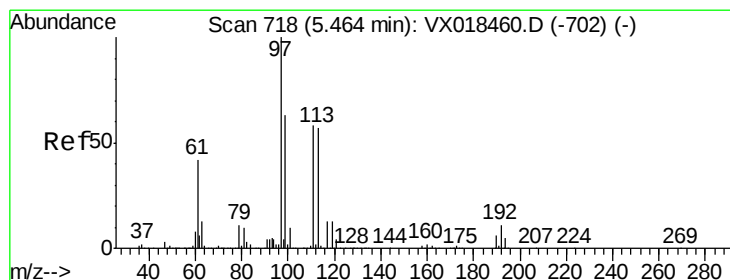
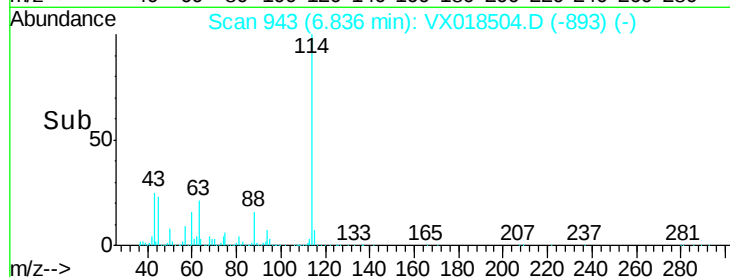
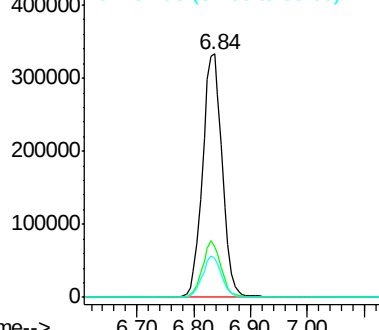
88 16.1 0.0 33.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.108 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

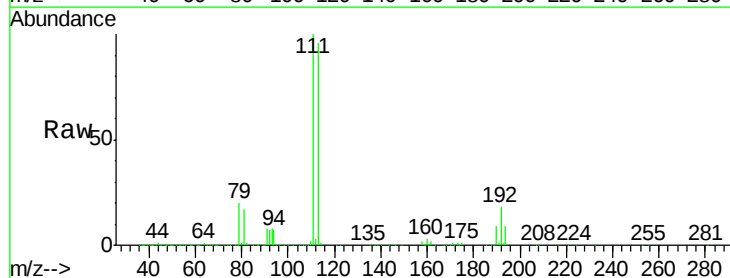
Tgt Ion:113 Resp: 267969

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

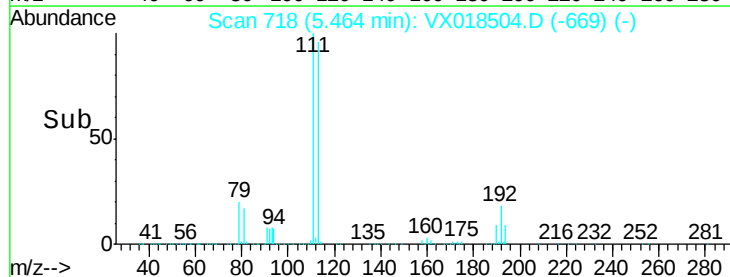
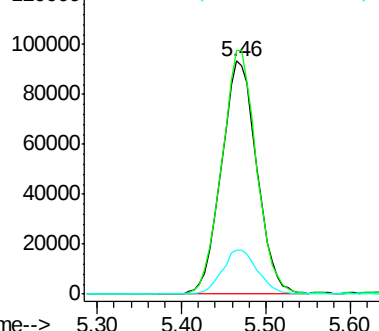
192 19.0 16.6 24.8

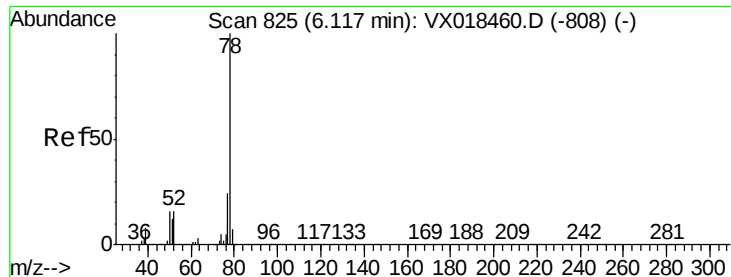


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.451 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

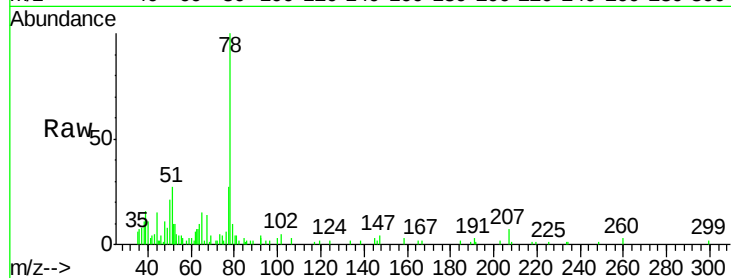
MW-8

Tot Ion: 78 Resp: 10100

Ion Ratio Lower Upper

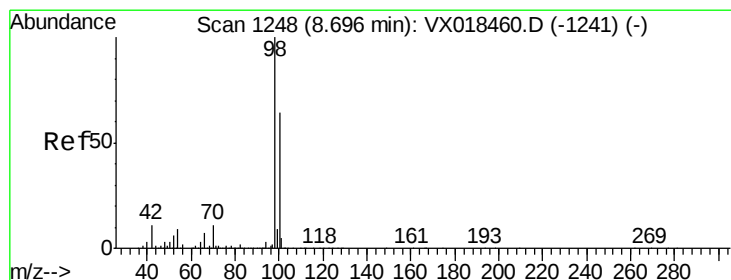
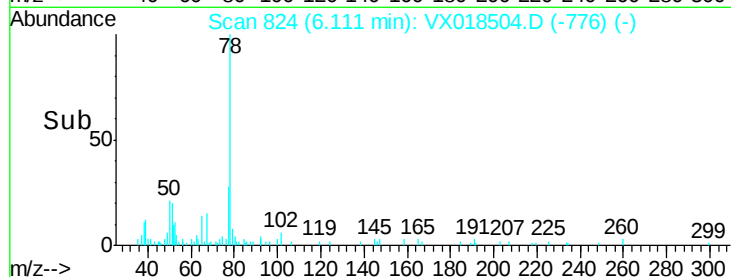
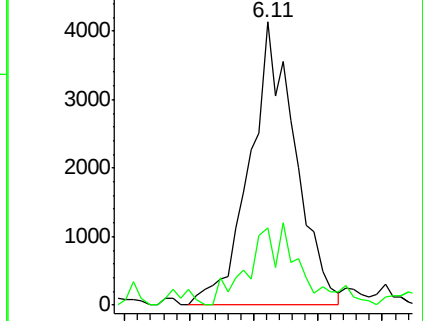
78 100

77 22.9 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.305 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018504.D

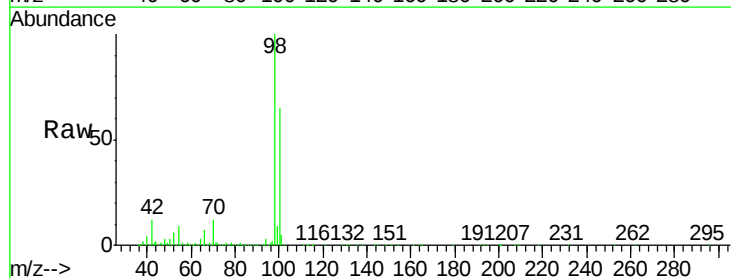
Acq: 18 Sep 2020 19:42

Tgt Ion: 98 Resp: 957377

Ion Ratio Lower Upper

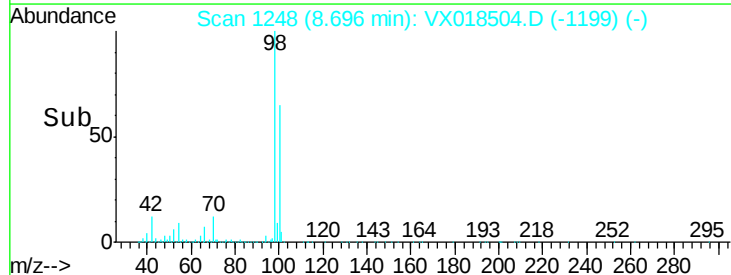
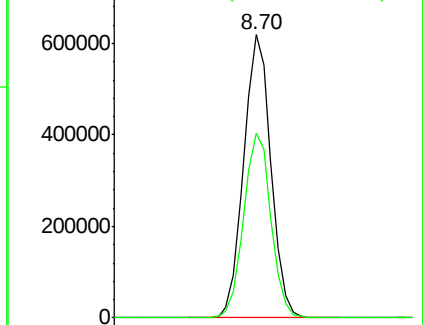
98 100

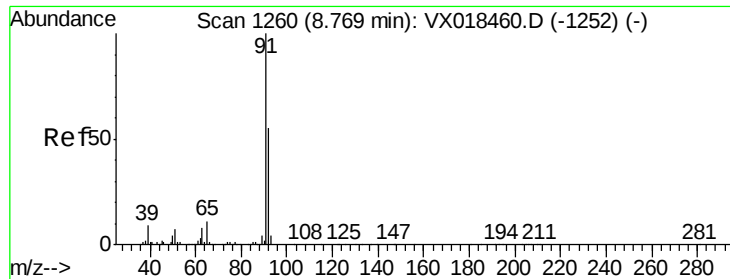
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.682 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

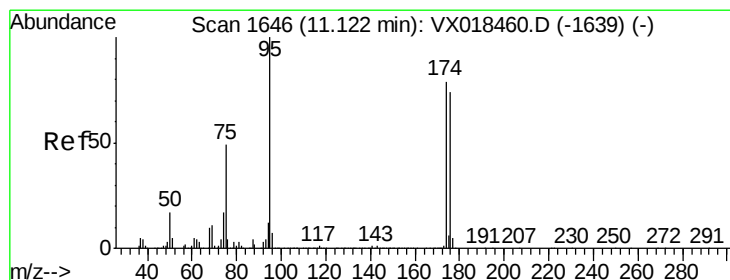
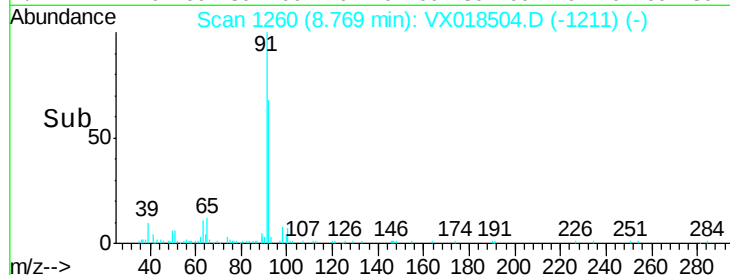
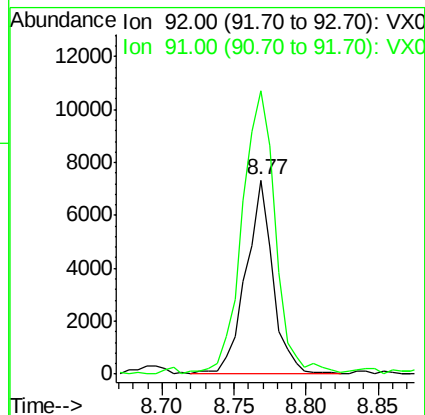
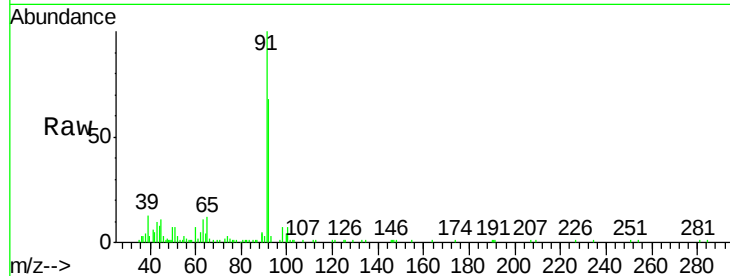
MW-8

Tot Ion: 92 Resp: 9612

Ion Ratio Lower Upper

92 100

91 178.8 140.6 210.8



#62

4-Bromofluorobenzene

Concen: 45.184 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

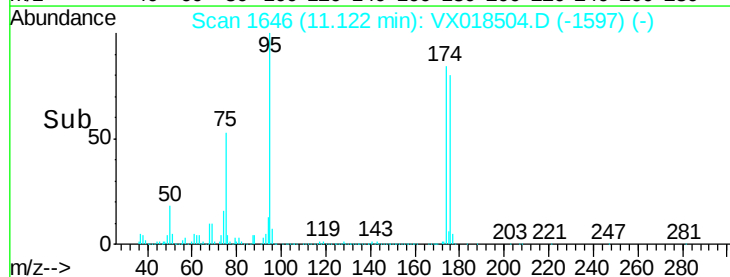
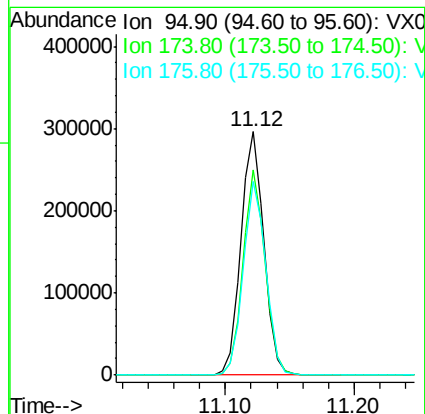
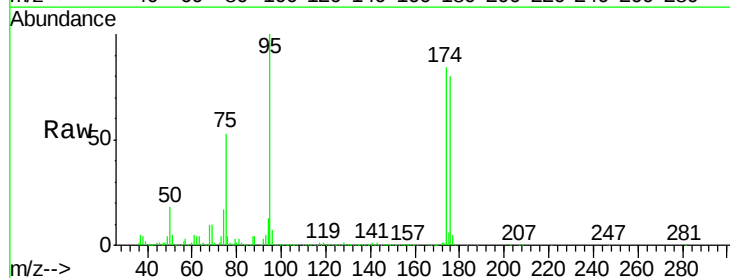
Tgt Ion: 95 Resp: 363745

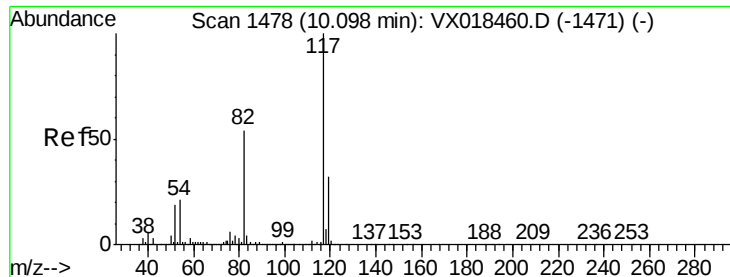
Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.4

176 78.5 0.0 151.4

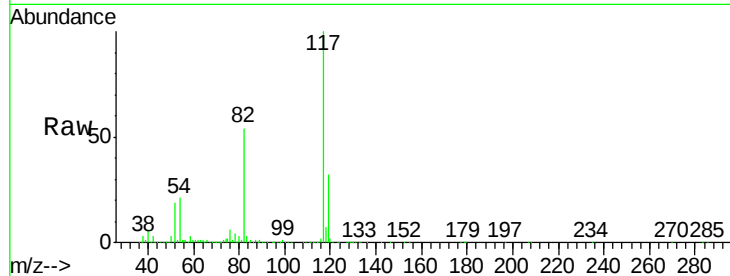




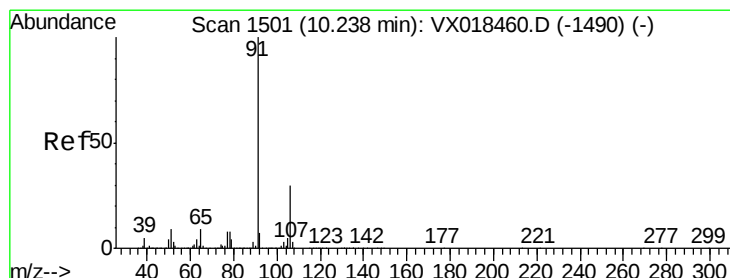
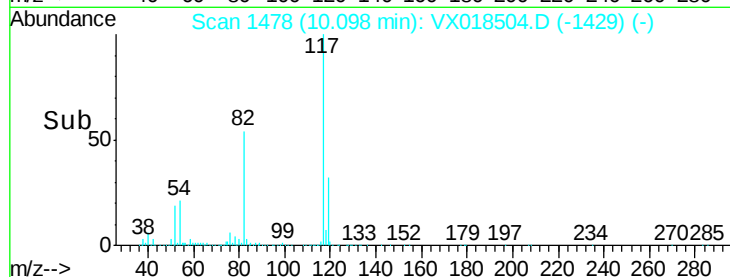
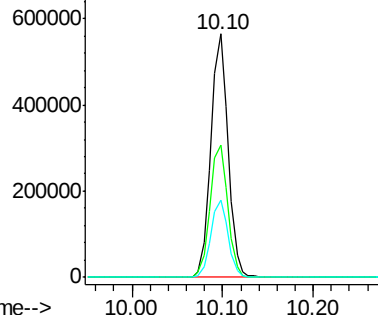
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018504.D
Acq: 18 Sep 2020 19:42

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion:117 Resp: 743144
Ion Ratio Lower Upper
117 100
82 54.2 43.3 64.9
119 31.8 25.9 38.9

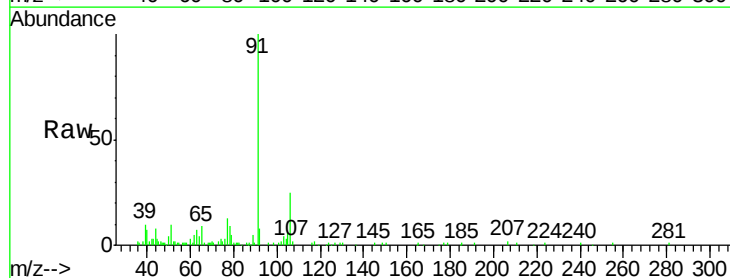


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

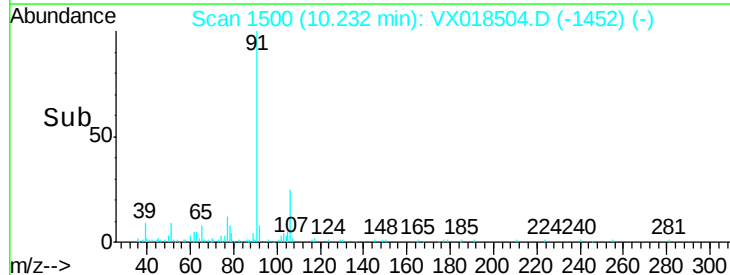
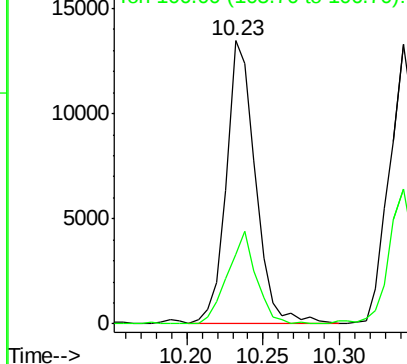


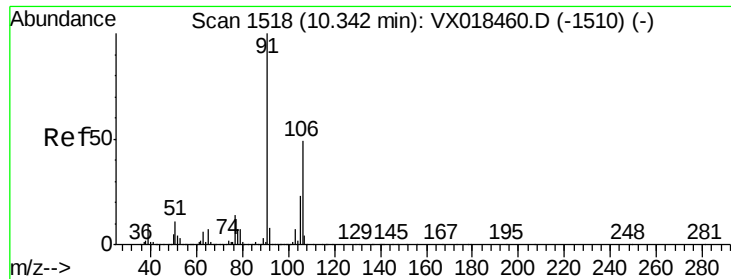
#67
Ethyl Benzene
Concen: 0.670 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX018504.D
Acq: 18 Sep 2020 19:42

Tgt Ion: 91 Resp: 17734
Ion Ratio Lower Upper
91 100
106 24.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.858 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampled :

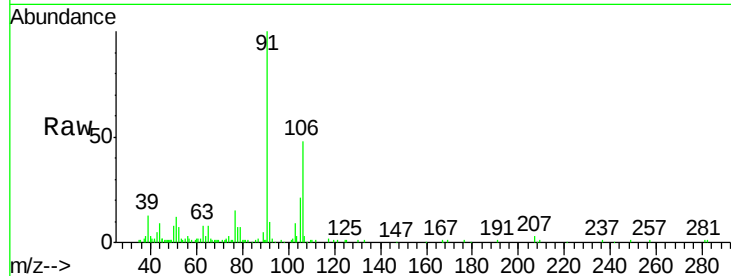
MW-8

Tot Ion:106 Resp: 8598

Ion Ratio Lower Upper

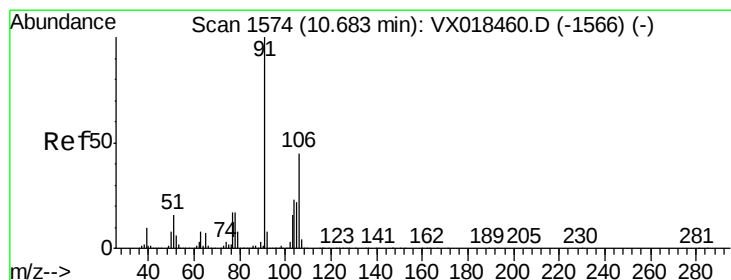
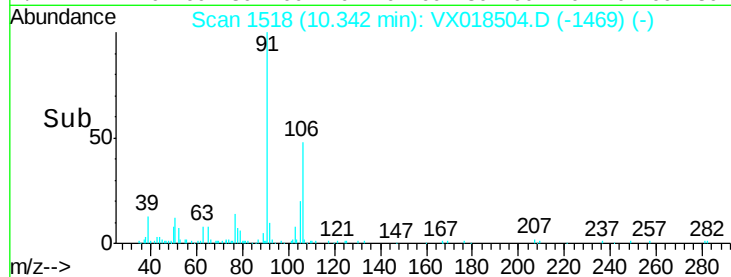
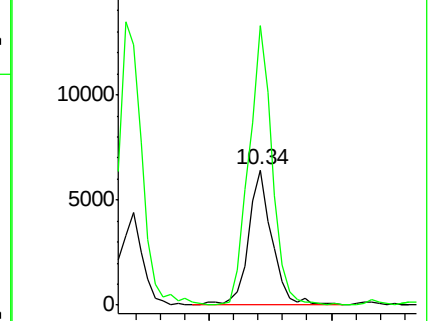
106 100

91 204.0 163.8 245.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.489 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018504.D

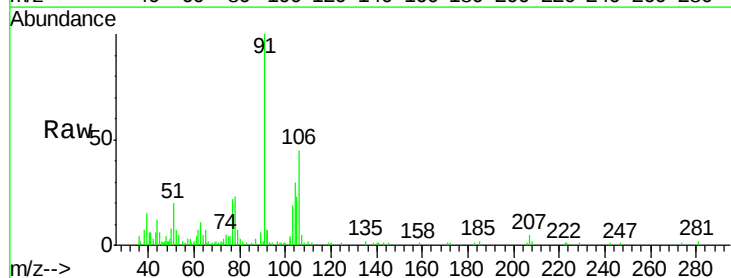
Acq: 18 Sep 2020 19:42

Tgt Ion:106 Resp: 4638

Ion Ratio Lower Upper

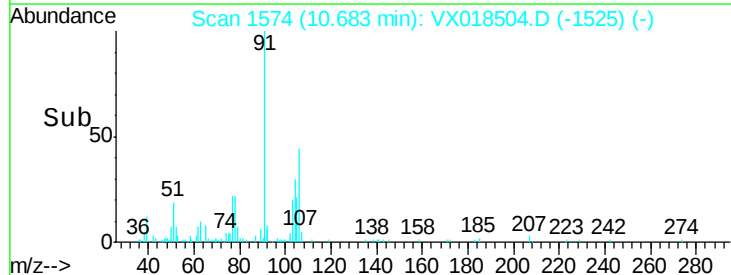
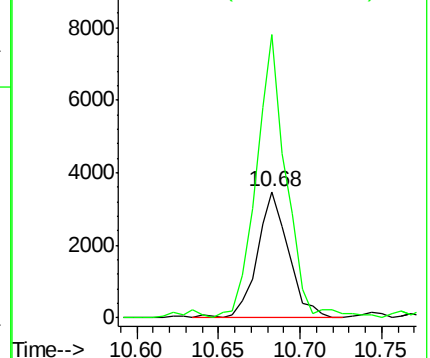
106 100

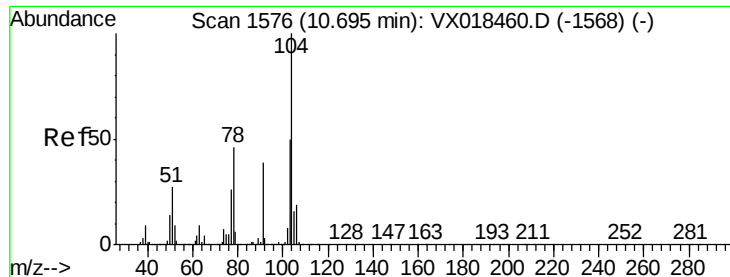
91 215.5 109.7 329.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.735 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampled :

MW-8

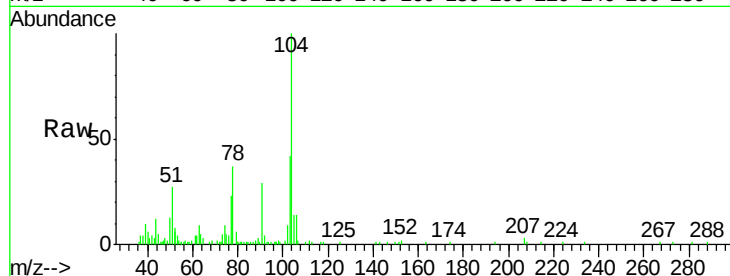
Tot Ion:104 Resp: 12049

Ion Ratio Lower Upper

104 100

78 50.4 40.5 60.7

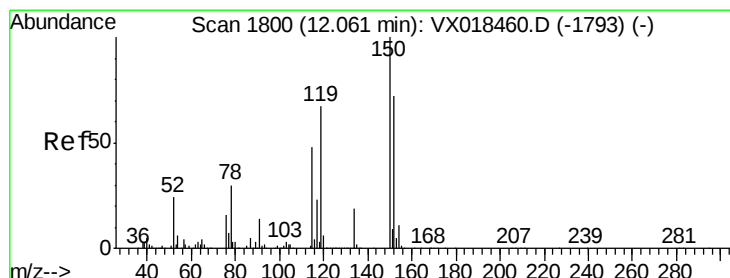
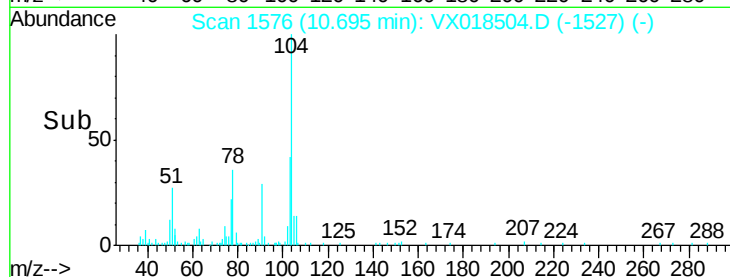
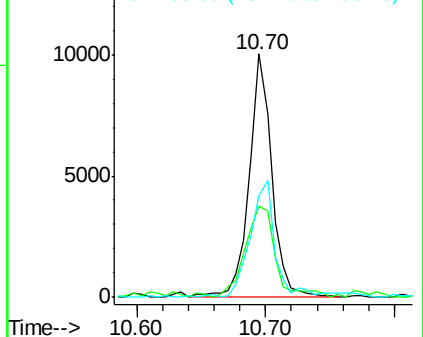
103 53.8 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

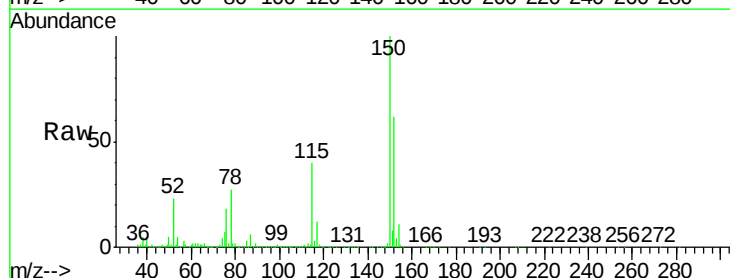
Tgt Ion:152 Resp: 372489

Ion Ratio Lower Upper

152 100

115 59.9 41.8 125.4

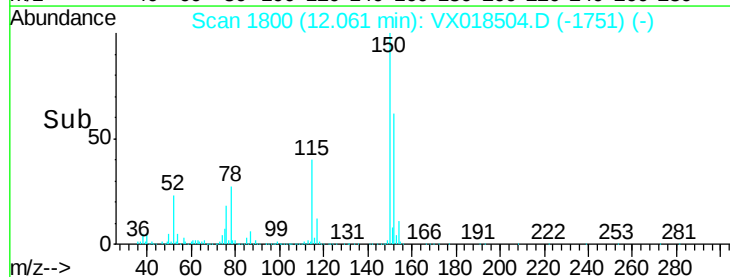
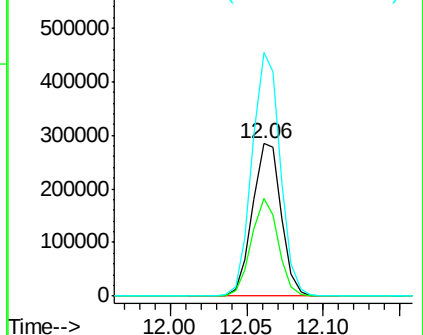
150 156.6 0.0 342.4

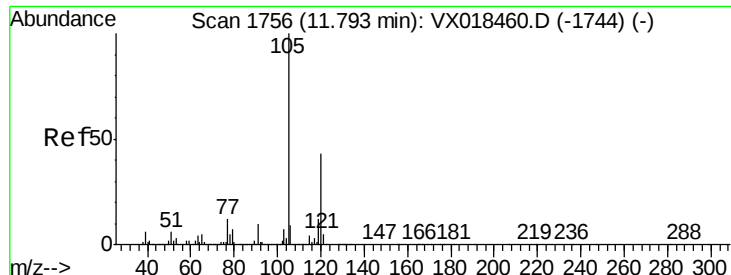


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#84

1,2,4-Trimethylbenzene

Concen: 0.404 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018504.D

Acq: 18 Sep 2020 19:42

Instrument :

MSVOA_X

ClientSampleId :

MW-8

Tot Ion:105 Resp: 8660

Ion Ratio Lower Upper

105 100

120 40.3 21.6 65.0

