

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005431.D
 Acq On : 18 Oct 2018 15:43
 Operator : JC/MD
 Sample : J5588-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-6

Quant Time: Oct 19 04:46:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	317989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	448625	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190944	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	175380	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.50	113	138464	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	8.72	98	524817	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	11.14	95	174804	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

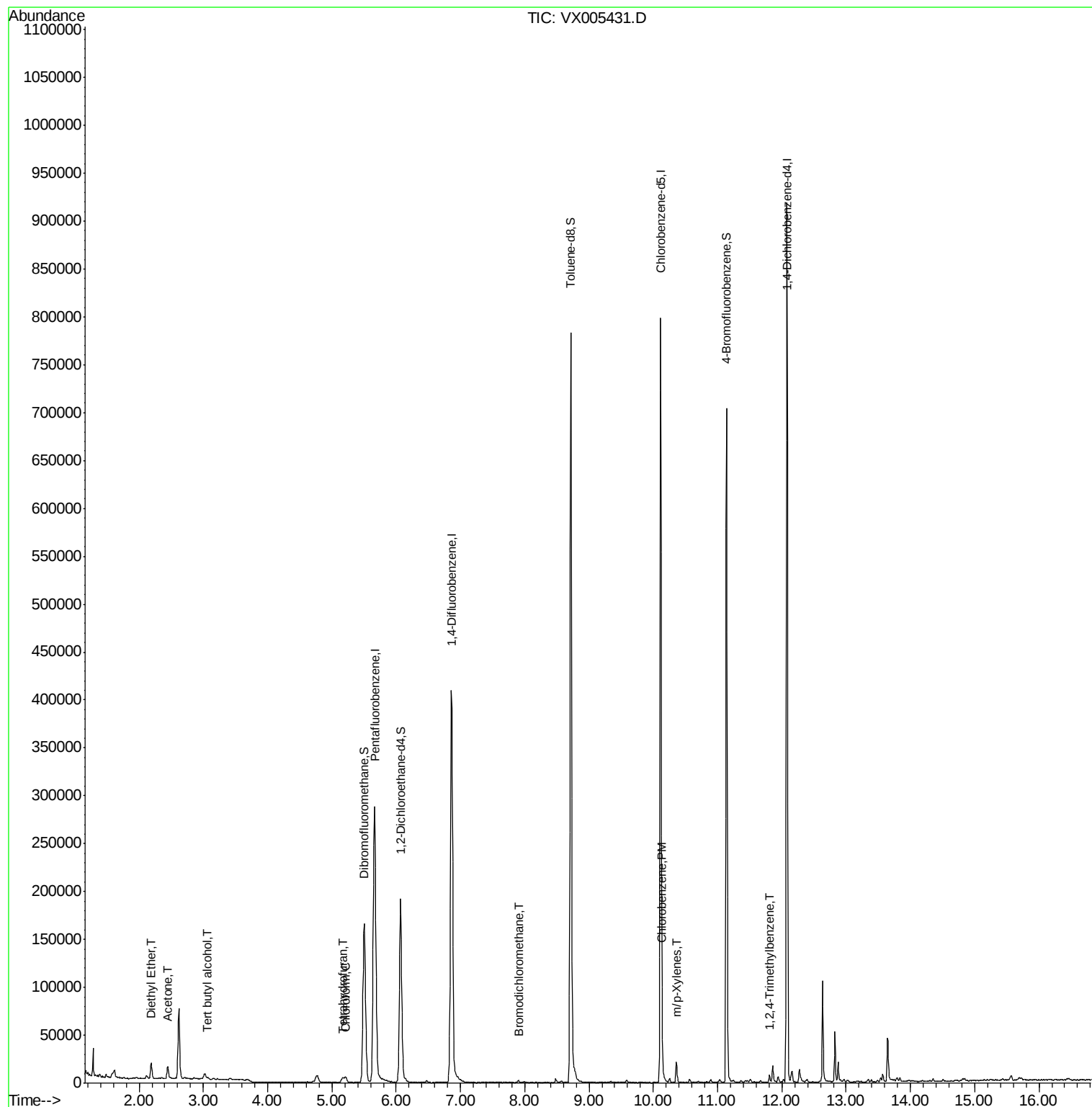
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	4445	2.137	ug/l	95
11) Tert butyl alcohol	3.07	59	1581	1.588	ug/l #	62
16) Acetone	2.45	43	13328	6.532	ug/l	99
29) Tetrahydrofuran	5.17	42	4262	2.238	ug/l	93
30) Chloroform	5.21	83	5844	1.070	ug/l	96
47) Bromodichloromethane	7.90	83	1371	0.351	ug/l #	92
65) Chlorobenzene	10.14	112	4022	0.483	ug/l	95
68) m/p-Xylenes	10.36	106	5300	1.009	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	3784	0.378	ug/l	92

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005431.D

Acq: 18 Oct 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

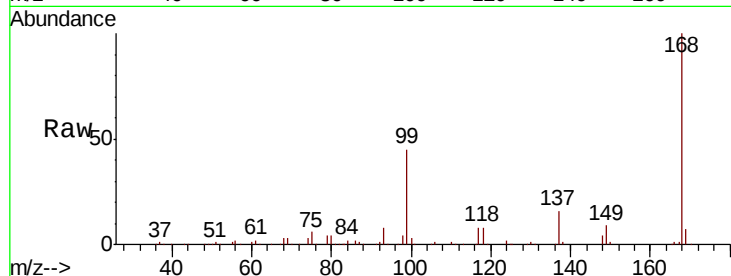
MH-6

Tot Ion:168 Resp: 317989

Ion Ratio Lower Upper

168 100

99 44.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

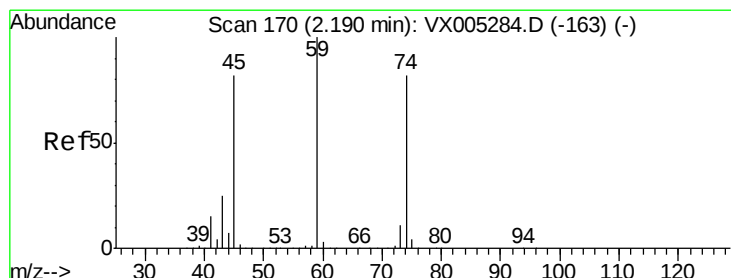
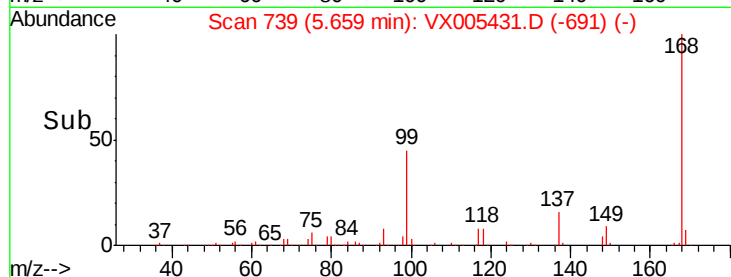
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 2.137 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005431.D

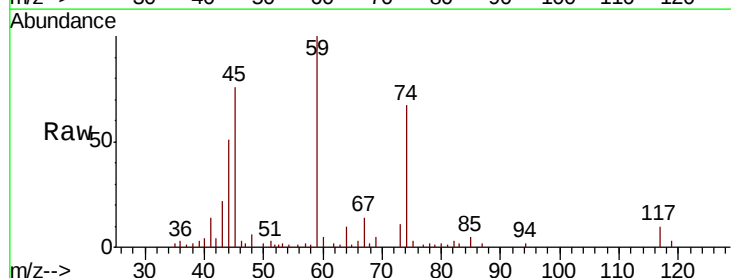
Acq: 18 Oct 2018 15:43

Tgt Ion: 74 Resp: 4445

Ion Ratio Lower Upper

74 100

45 101.0 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

4000

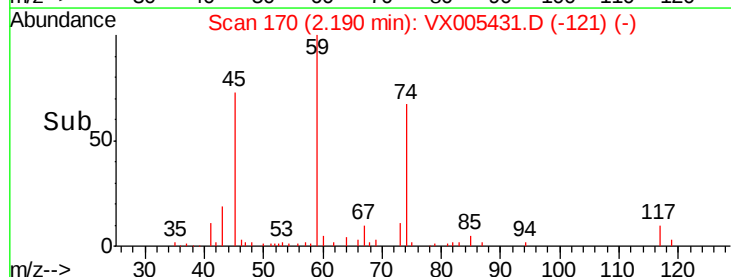
3000

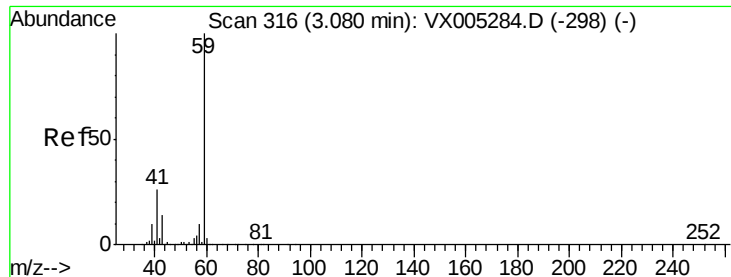
2000

1000

0

Time--> 2.15 2.20 2.25



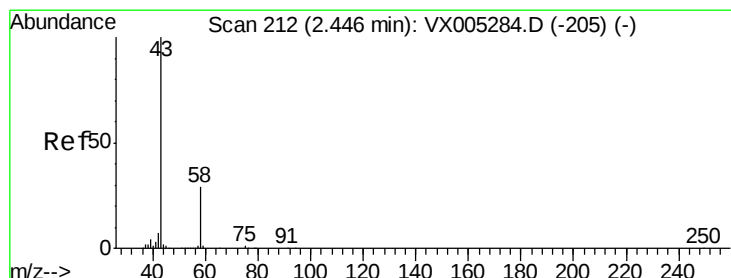
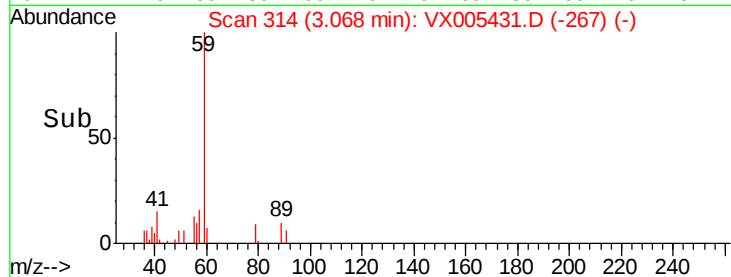
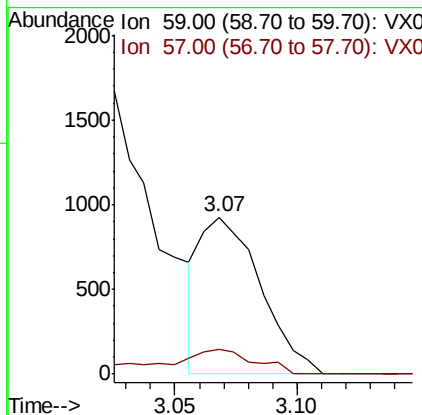
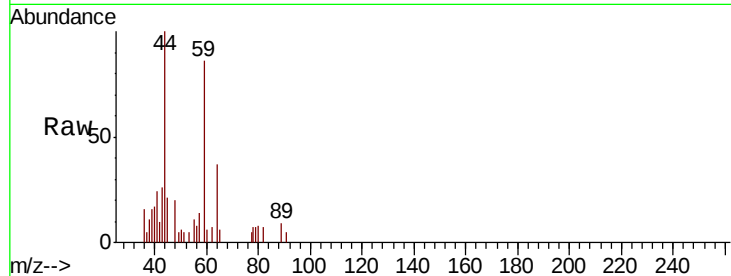


#11

Tert butyl alcohol
 Concen: 1.588 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005431.D
 Acq: 18 Oct 2018 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-6

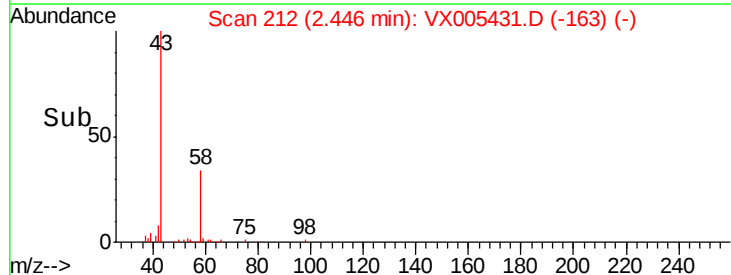
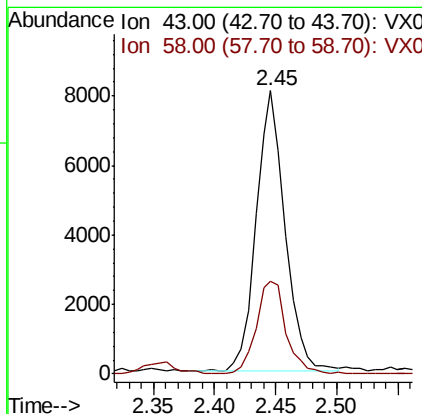
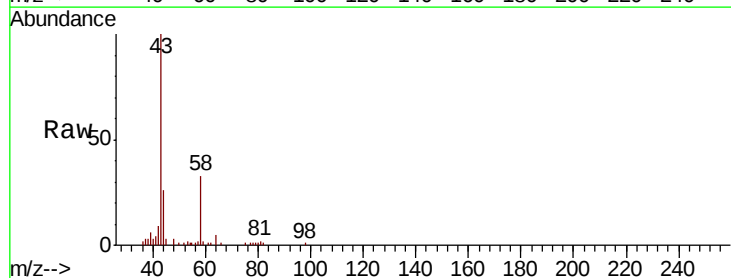
Tot Ion: 59 Resp: 1581
 Ion Ratio Lower Upper
 59 100
 57 24.6 8.2 12.4#

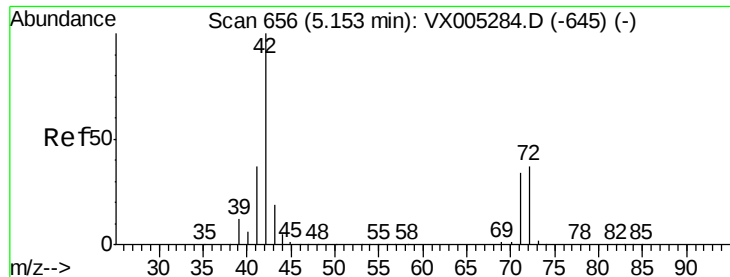


#16

Acetone
 Concen: 6.532 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005431.D
 Acq: 18 Oct 2018 15:43

Tgt Ion: 43 Resp: 13328
 Ion Ratio Lower Upper
 43 100
 58 32.3 26.2 39.4

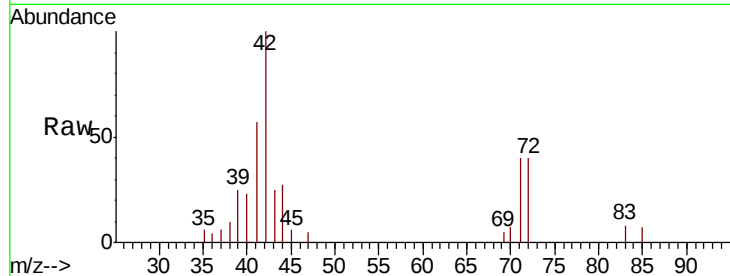




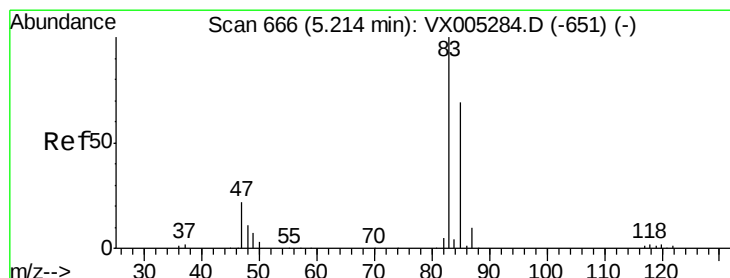
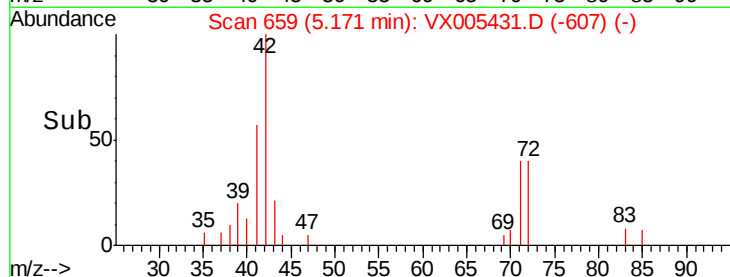
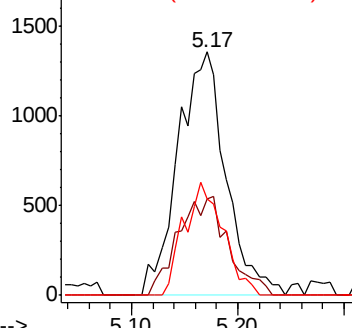
#29
Tetrahydrofuran
Concen: 2.238 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX005431.D
Acq: 18 Oct 2018 15:43

Instrument :
MSVOA_X
ClientSampled :
MH-6

Tot Ion: 42 Resp: 4262
Ion Ratio Lower Upper
42 100
72 42.3 37.4 56.0
71 38.3 34.5 51.7

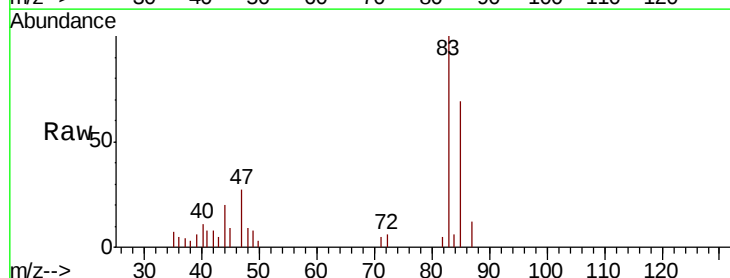


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

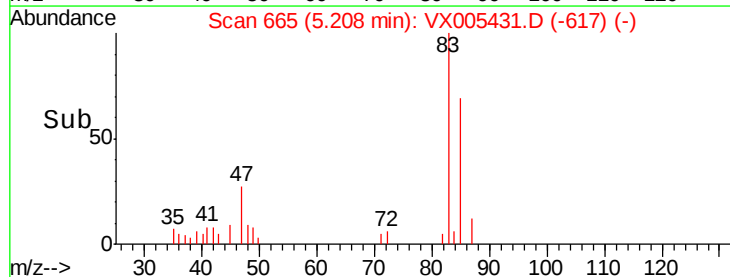
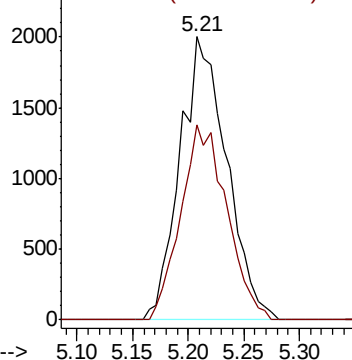


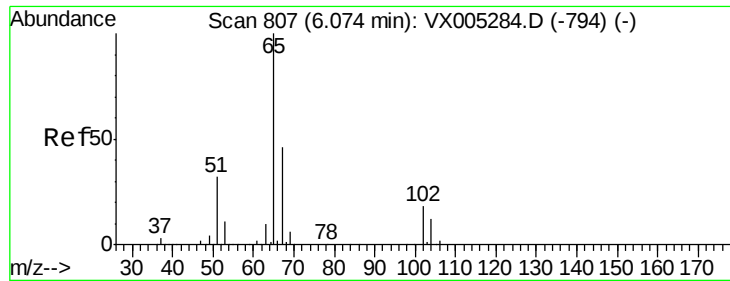
#30
Chloroform
Concen: 1.070 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005431.D
Acq: 18 Oct 2018 15:43

Tgt Ion: 83 Resp: 5844
Ion Ratio Lower Upper
83 100
85 68.9 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.694 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005431.D

Acq: 18 Oct 2018 15:43

Instrument :

MSVOA_X

ClientSampled :

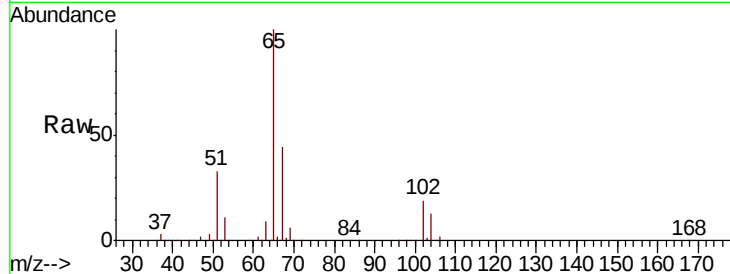
MH-6

Tot Ion: 65 Resp: 175380

Ion Ratio Lower Upper

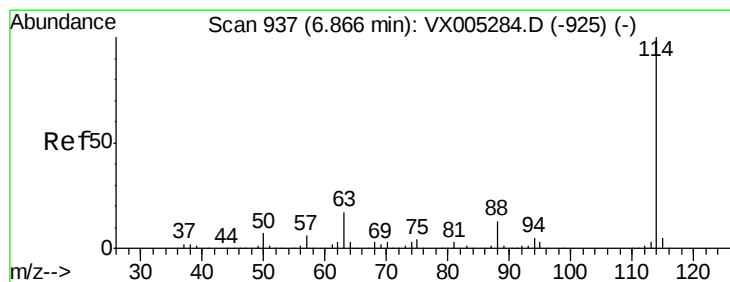
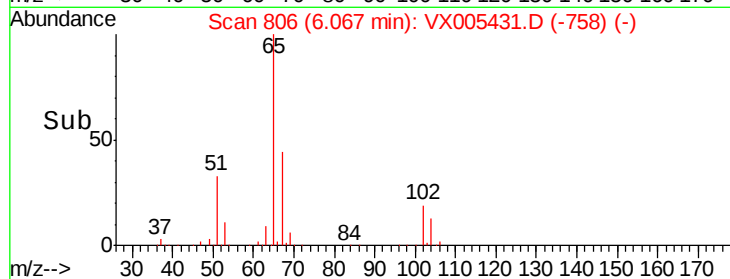
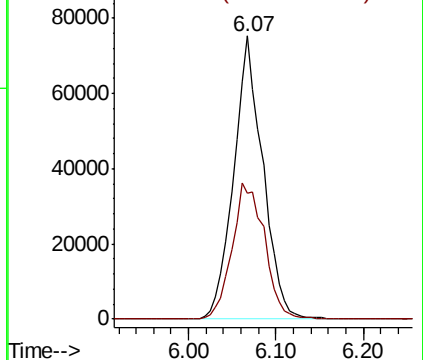
65 100

67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005431.D

Acq: 18 Oct 2018 15:43

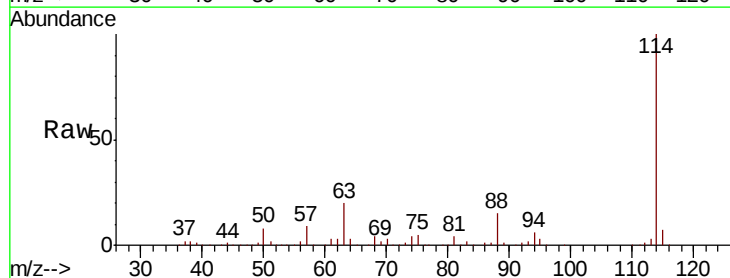
Tgt Ion: 114 Resp: 448625

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

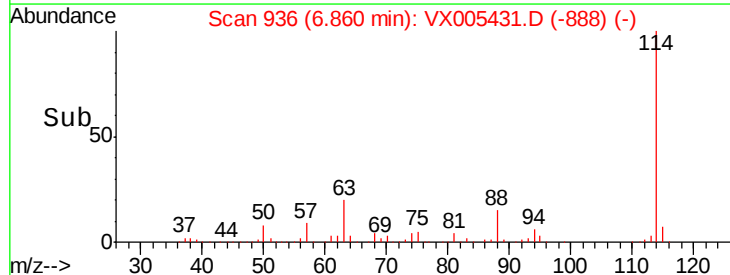
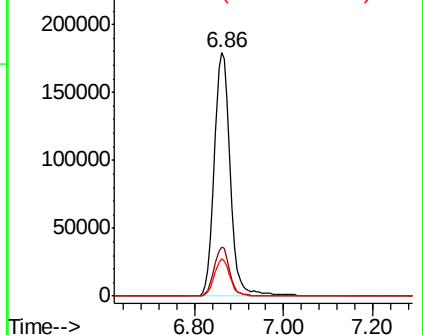
88 15.5 0.0 30.4

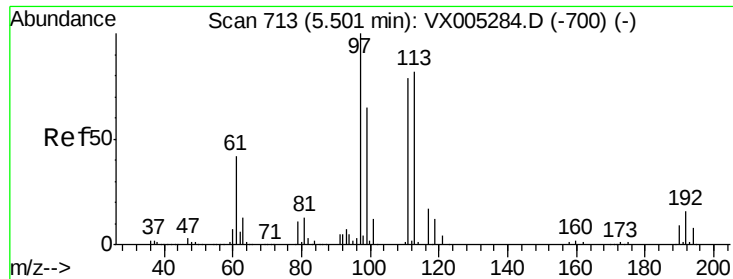


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

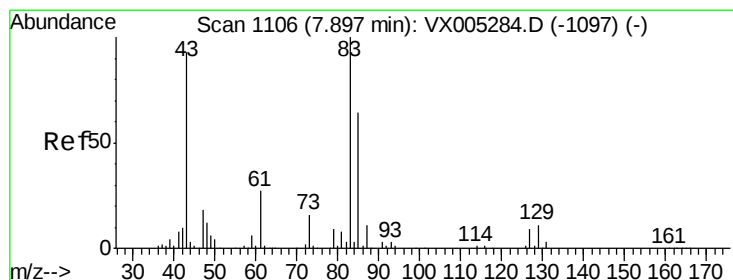
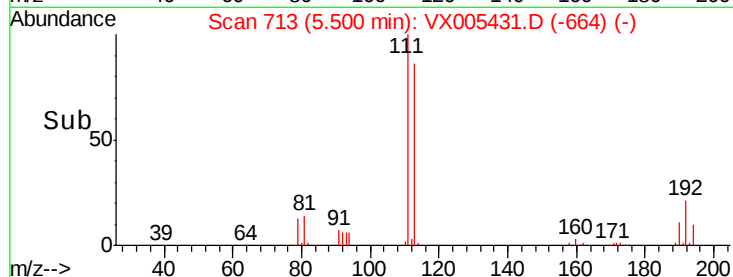
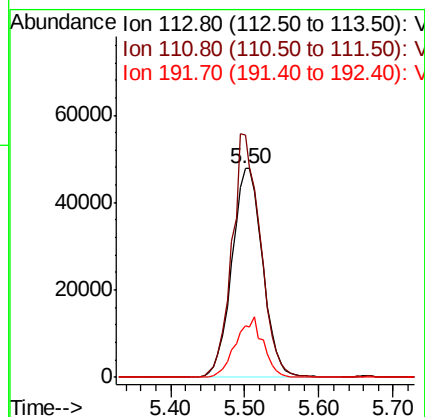
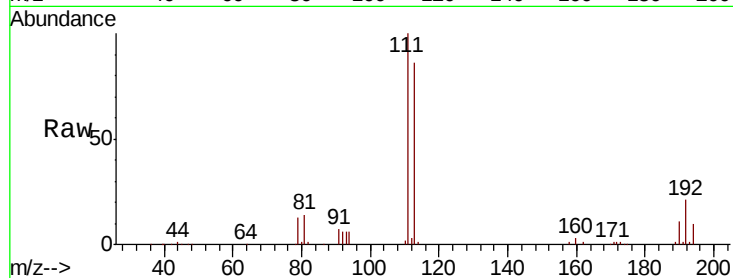




#35
 Dibromofluoromethane
 Concen: 46.600 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005431.D
 Acq: 18 Oct 2018 15:43

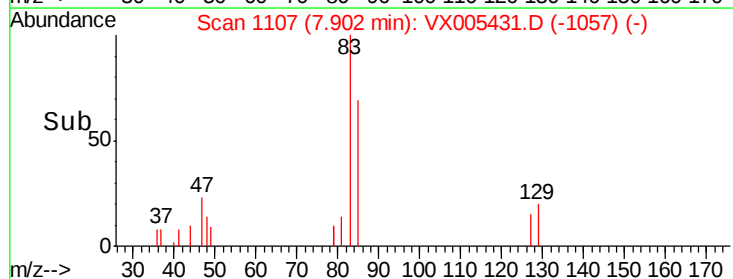
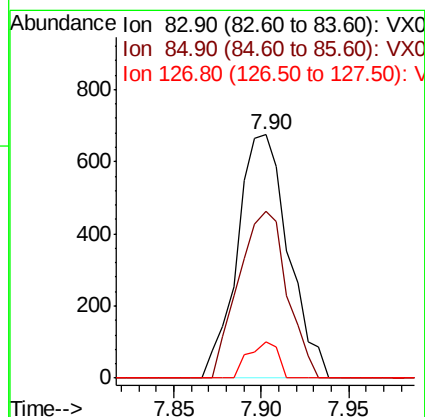
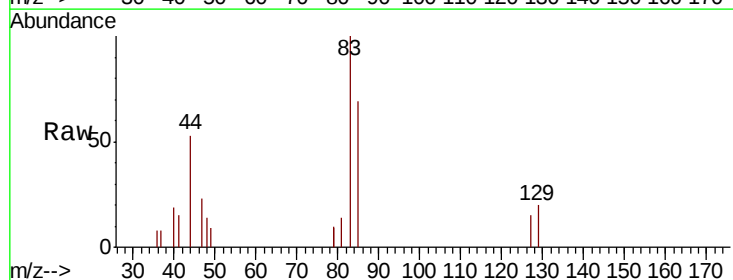
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-6

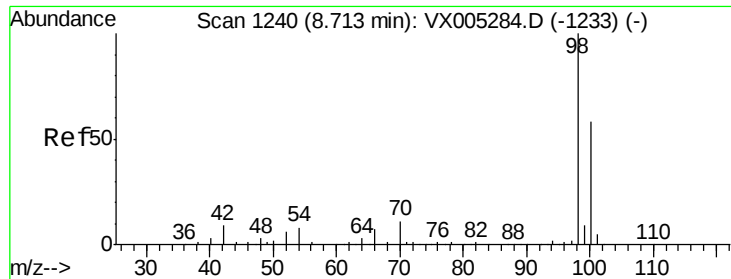
Tot Ion:113 Resp: 138464
 Ion Ratio Lower Upper
 113 100
 111 107.7 82.4 123.6
 192 25.9 19.4 29.2



#47
 Bromodichloromethane
 Concen: 0.351 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005431.D
 Acq: 18 Oct 2018 15:43

Tgt Ion: 83 Resp: 1371
 Ion Ratio Lower Upper
 83 100
 85 68.6 50.9 76.3
 127 15.0 7.3 10.9#





#50

Toluene-d8

Concen: 51.448 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005431.D

Acq: 18 Oct 2018 15:43

Instrument :

MSVOA_X

ClientSampleId :

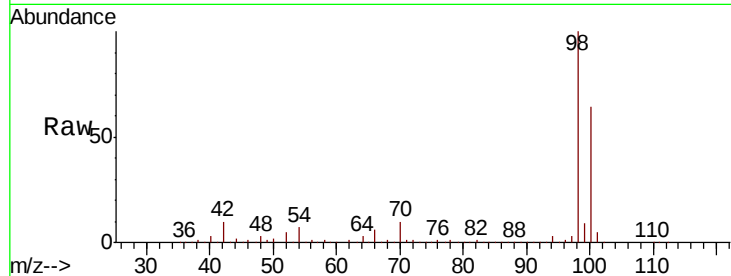
MH-6

Tot Ion: 98 Resp: 524817

Ion Ratio Lower Upper

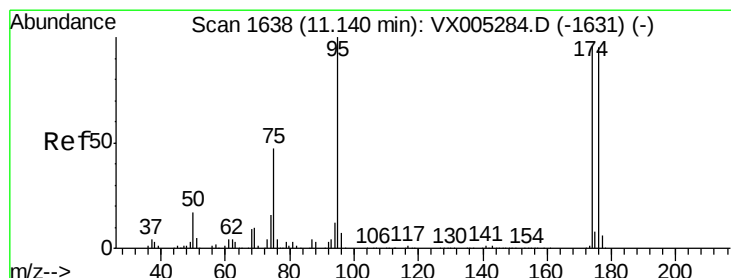
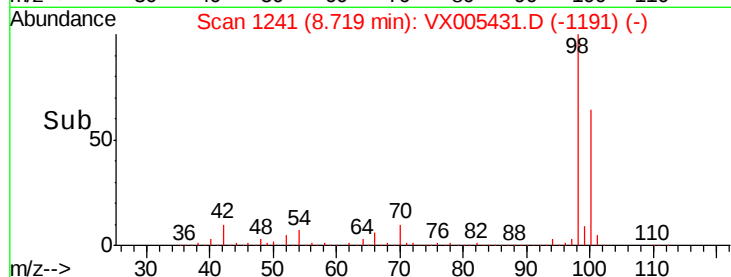
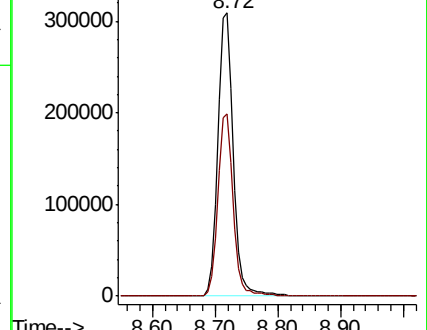
98 100

100 64.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.616 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005431.D

Acq: 18 Oct 2018 15:43

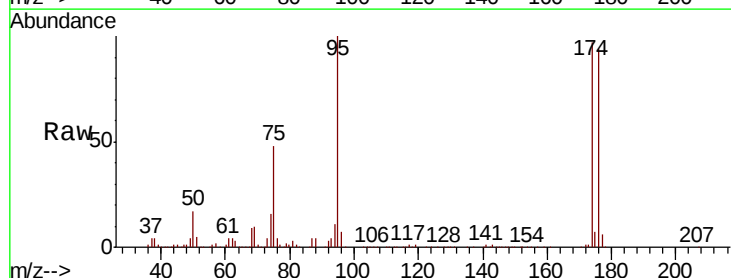
Tgt Ion: 95 Resp: 174804

Ion Ratio Lower Upper

95 100

174 94.8 0.0 185.2

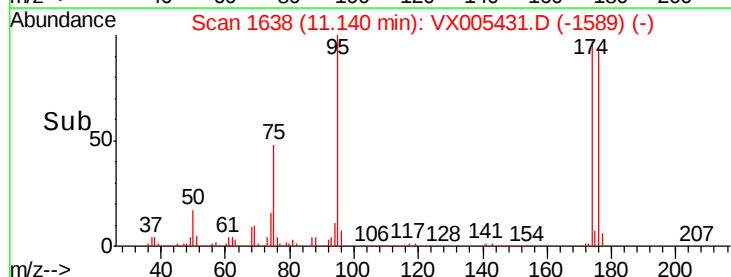
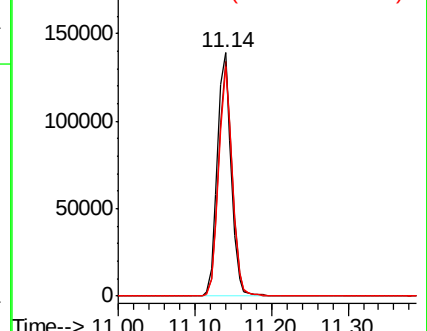
176 92.5 0.0 178.6

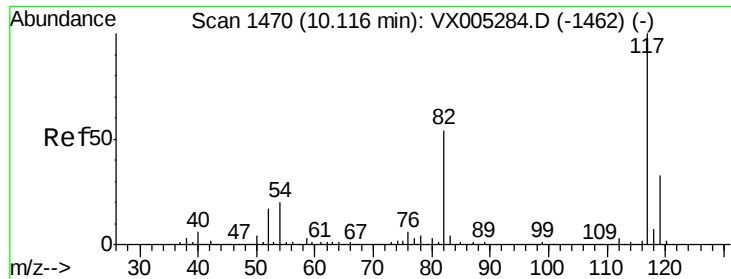


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

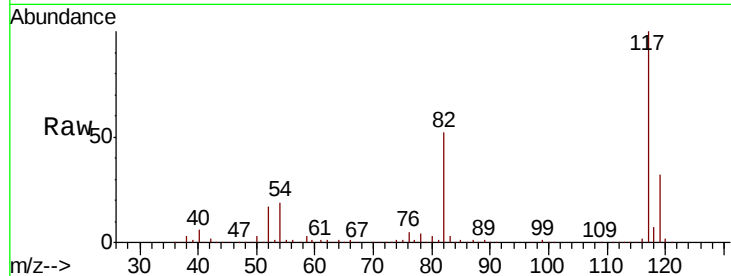




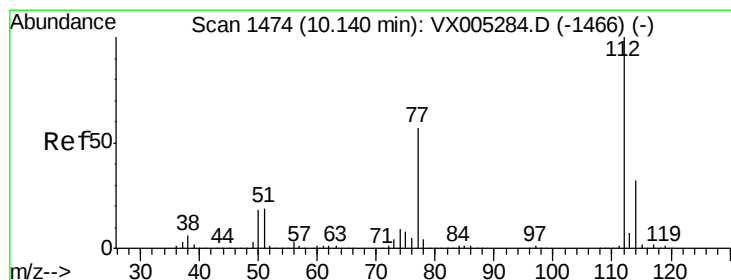
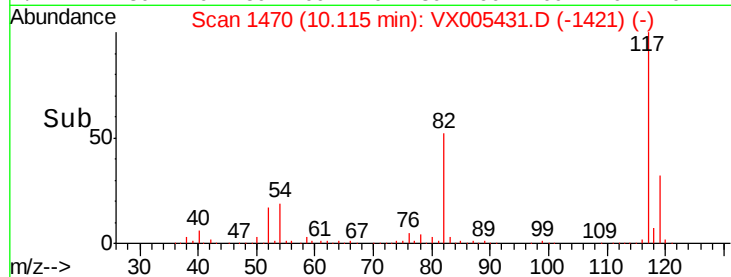
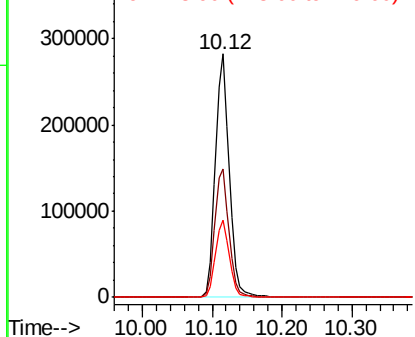
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005431.D
Acq: 18 Oct 2018 15:43

Instrument :
MSVOA_X
ClientSampleId :
MH-6

Tot Ion:117 Resp: 391311
Ion Ratio Lower Upper
117 100
82 52.5 47.8 71.6
119 31.8 29.3 43.9

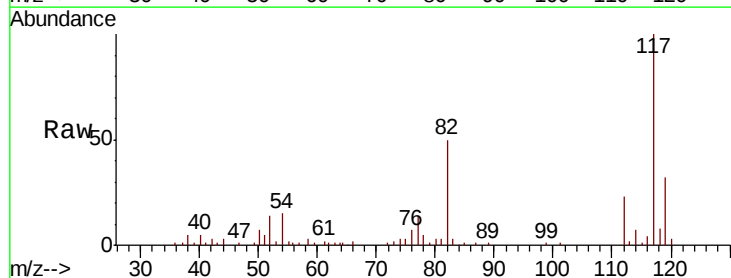


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

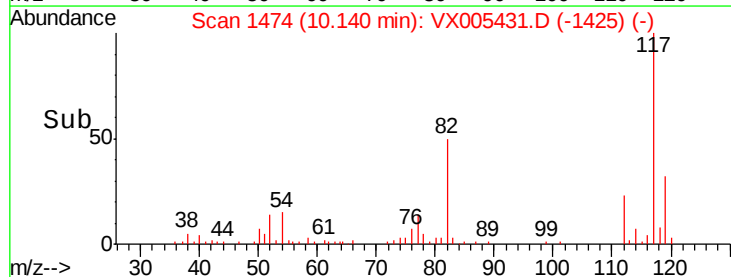
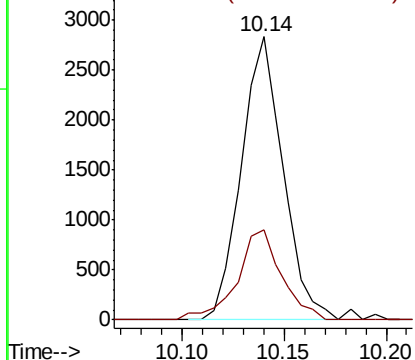


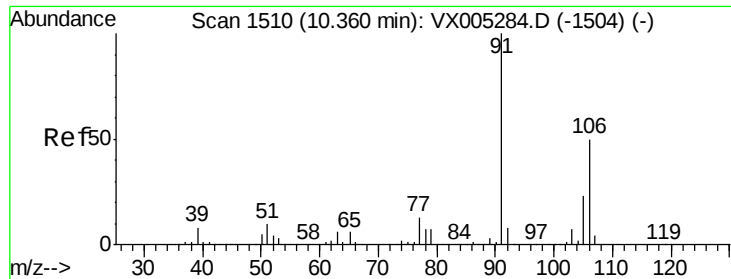
#65
Chlorobenzene
Concen: 0.483 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005431.D
Acq: 18 Oct 2018 15:43

Tgt Ion:112 Resp: 4022
Ion Ratio Lower Upper
112 100
114 31.7 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

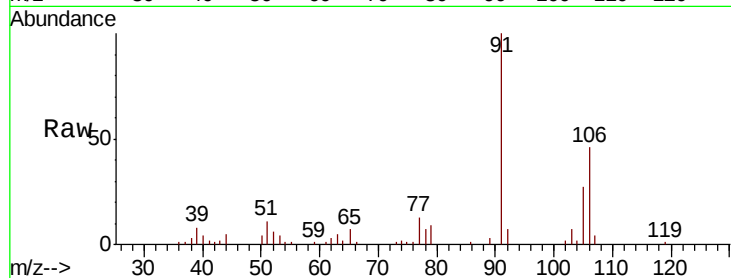




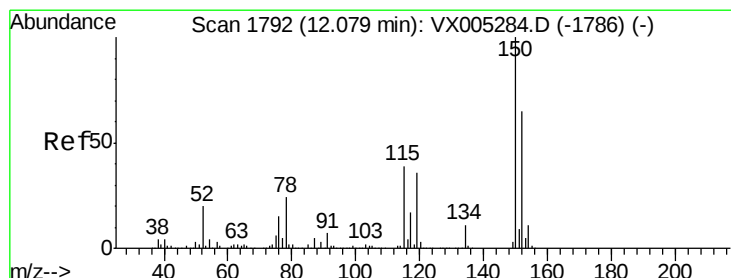
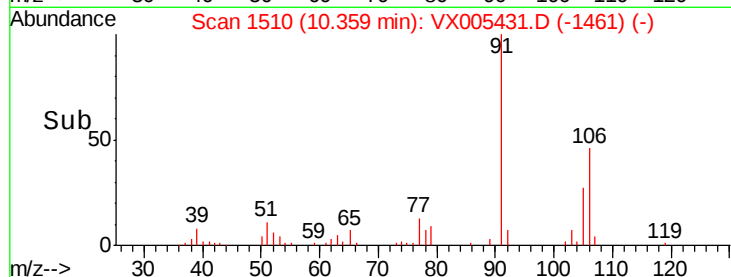
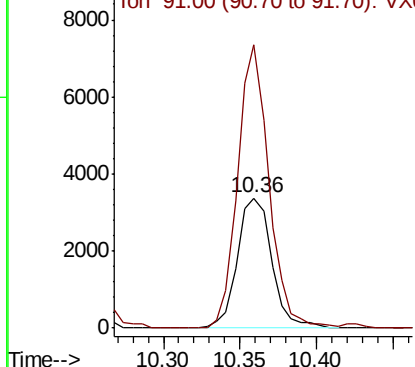
#68
m/p-Xvlenes
Concen: 1.009 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005431.D
Acq: 18 Oct 2018 15:43

Instrument :
MSVOA_X
ClientSampled :
MH-6

Tot Ion:106 Resp: 5300
Ion Ratio Lower Upper
106 100
91 196.0 157.1 235.7

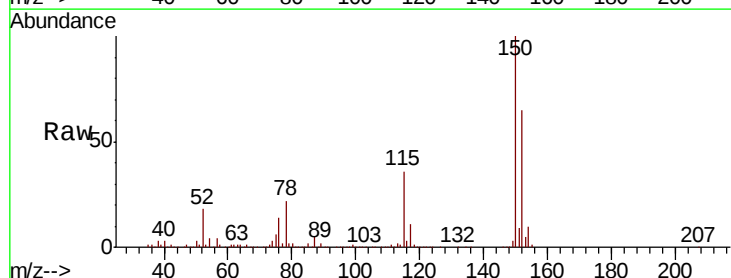


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

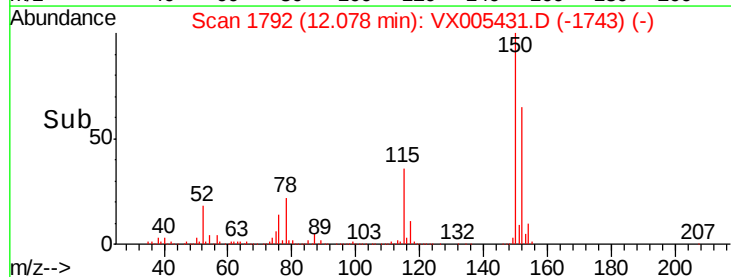
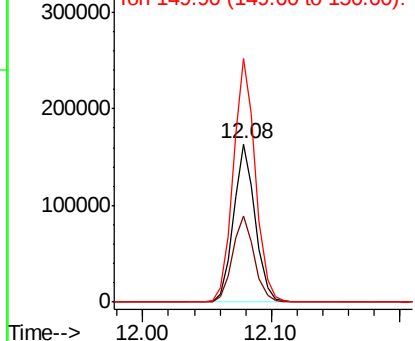


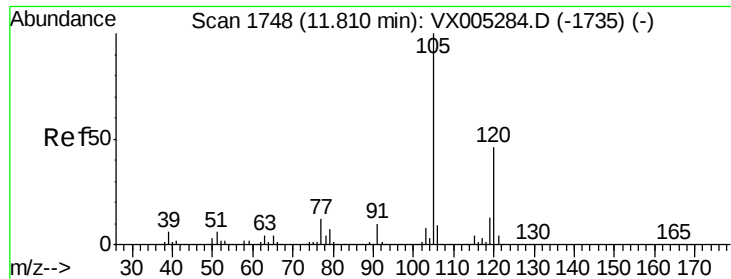
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005431.D
Acq: 18 Oct 2018 15:43

Tgt Ion:152 Resp: 190944
Ion Ratio Lower Upper
152 100
115 55.0 39.0 117.0
150 157.4 0.0 351.0



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: 0.378 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005431.D
 Acq: 18 Oct 2018 15:43

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-6

Tot Ion:105 Resp: 3784
 Ion Ratio Lower Upper
 105 100
 120 41.0 23.2 69.6

