

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013032.D
 Acq On : 11 Oct 2019 21:23
 Operator : JC/SP
 Sample : K5297-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HH-WATER

Quant Time: Oct 14 09:32:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	292665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105043	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110817	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
35) Dibromofluoromethane	5.49	113	86033	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
50) Toluene-d8	8.71	98	344575	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.14	95	122226	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

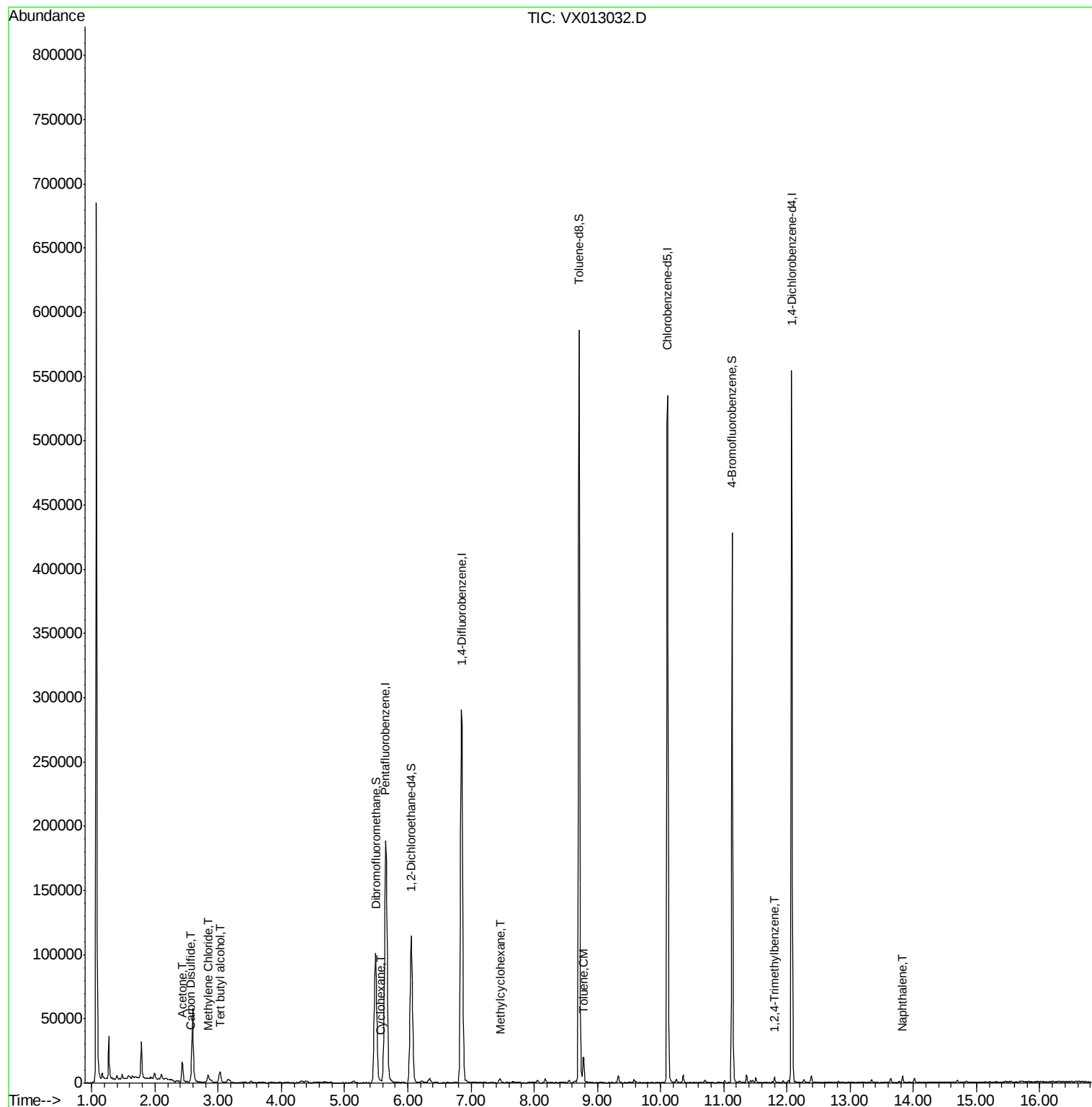
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	10385	17.549	ug/l	100
16) Acetone	2.43	43	17156	14.580	ug/l	95
17) Carbon Disulfide	2.56	76	2630	0.511	ug/l	97
20) Methylene Chloride	2.84	84	1090	0.504	ug/l #	73
31) Cyclohexane	5.57	56	1034	0.319	ug/l #	75
39) Methylcyclohexane	7.46	83	1383	0.443	ug/l	98
52) Toluene	8.78	92	7141	1.469	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	2448	0.375	ug/l	93
95) Naphthalene	13.83	128	3256	0.453	ug/l #	92

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

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampleId :

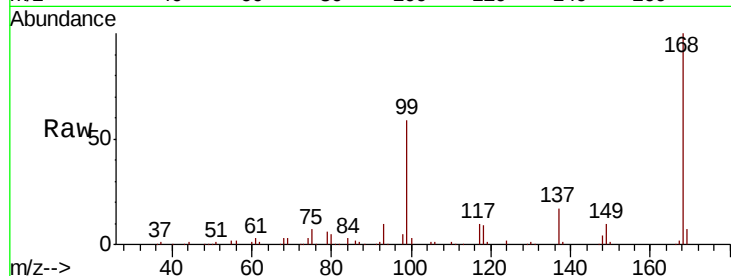
HH-WATER

Tot Ion:168 Resp: 178604

Ion Ratio Lower Upper

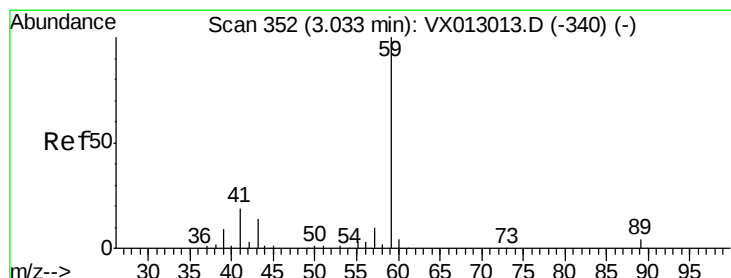
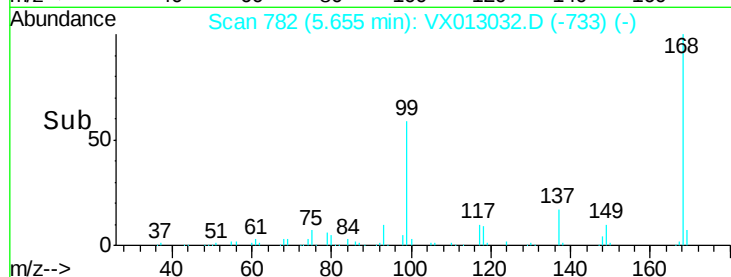
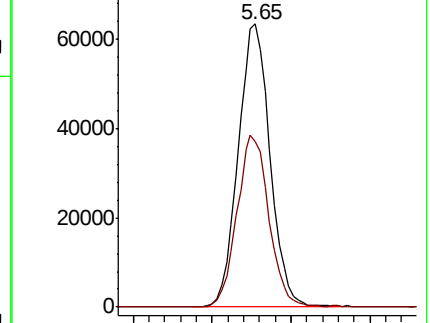
168 100

99 58.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 17.549 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX013032.D

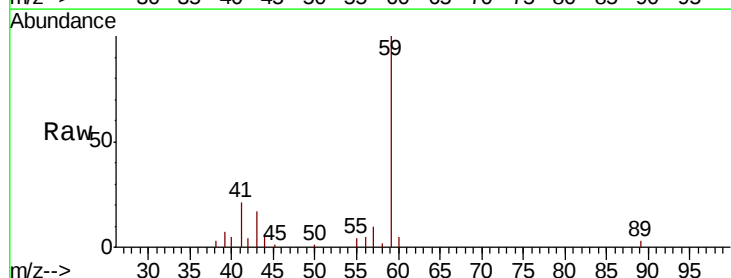
Acq: 11 Oct 2019 21:23

Tgt Ion: 59 Resp: 10385

Ion Ratio Lower Upper

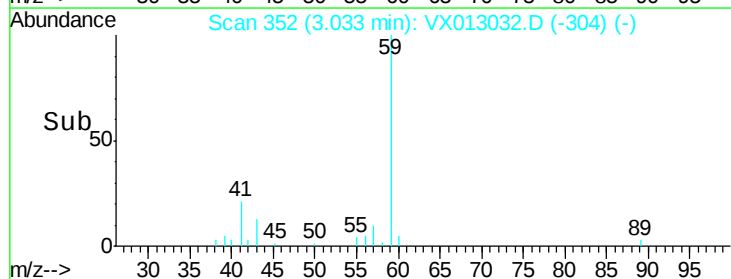
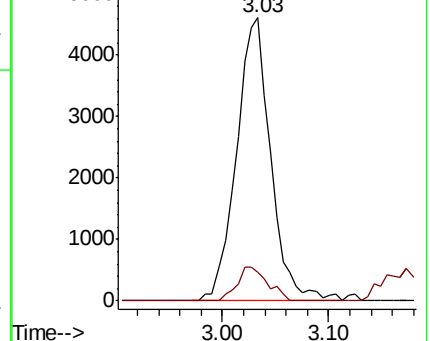
59 100

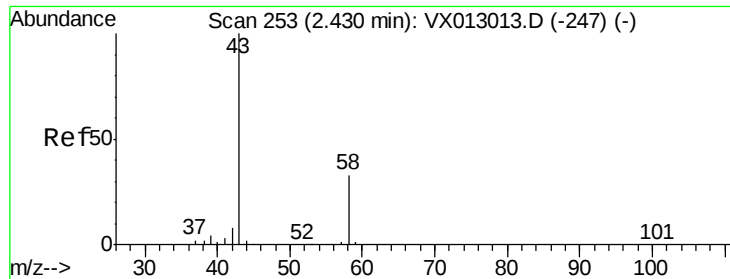
57 10.6 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 14.580 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

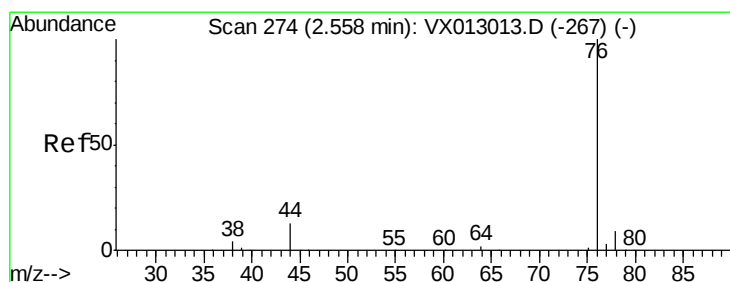
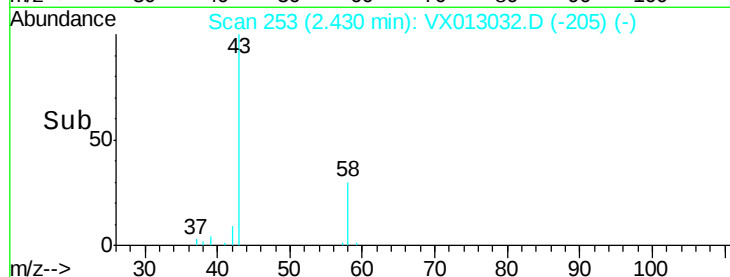
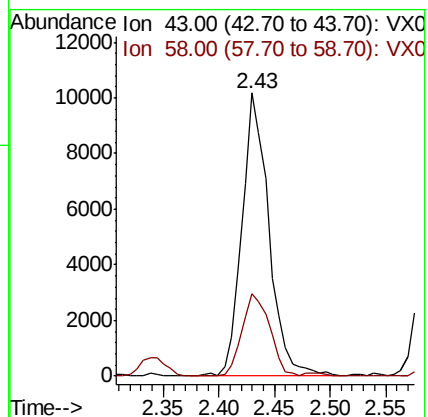
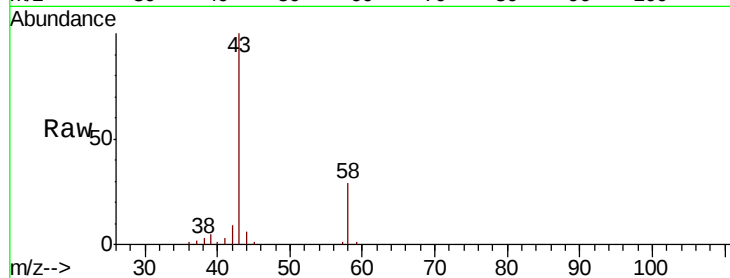
HH-WATER

Tot Ion: 43 Resp: 17156

Ion Ratio Lower Upper

43 100

58 29.1 25.4 38.2



#17

Carbon Disulfide

Concen: 0.511 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013032.D

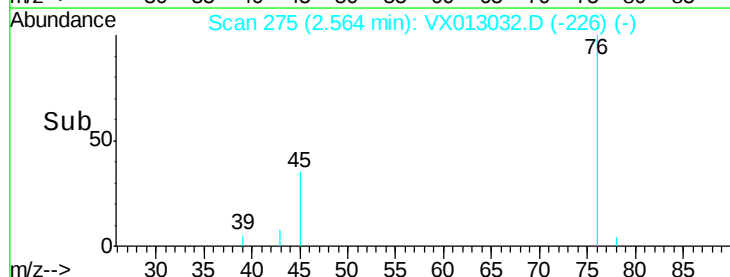
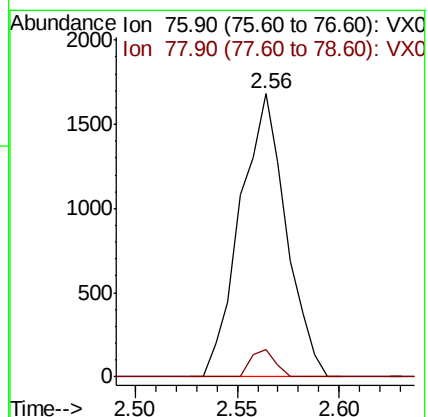
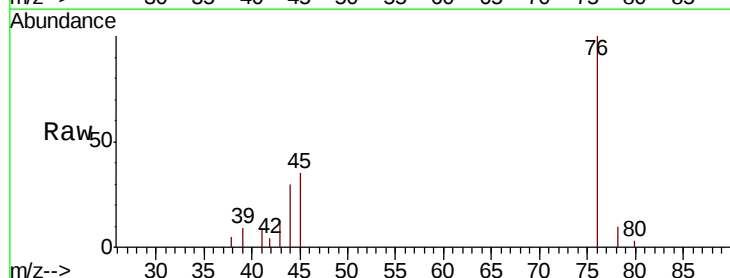
Acq: 11 Oct 2019 21:23

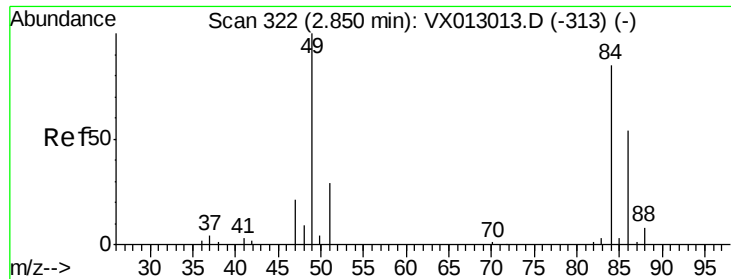
Tgt Ion: 76 Resp: 2630

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

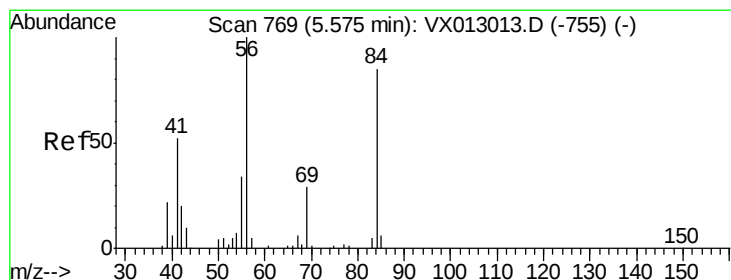
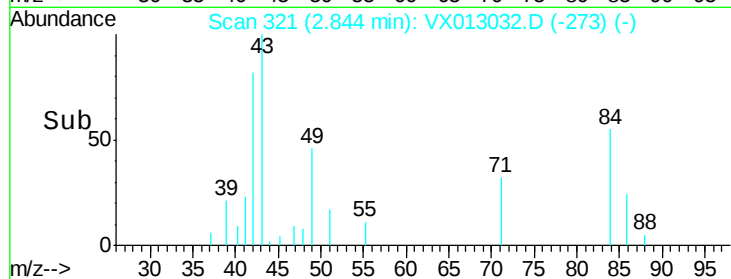
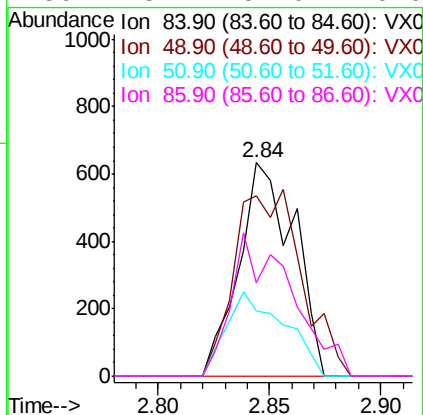
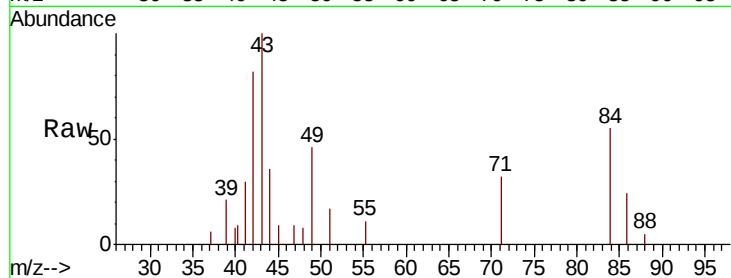




#20
Methvlene Chloride
Concen: 0.504 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

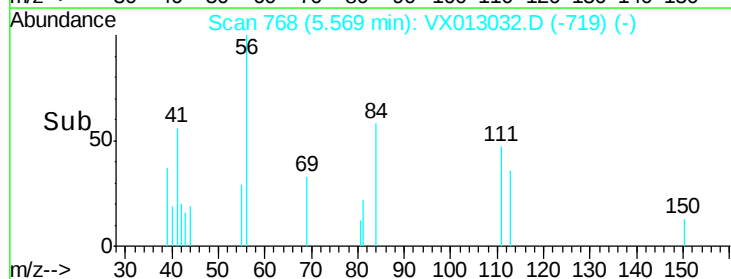
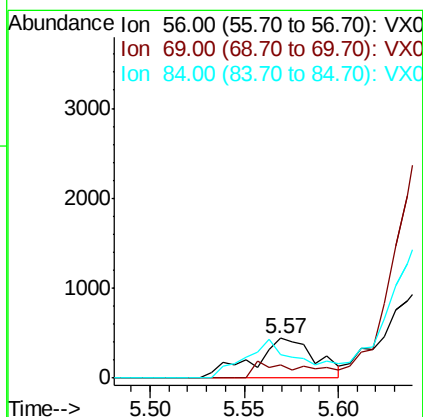
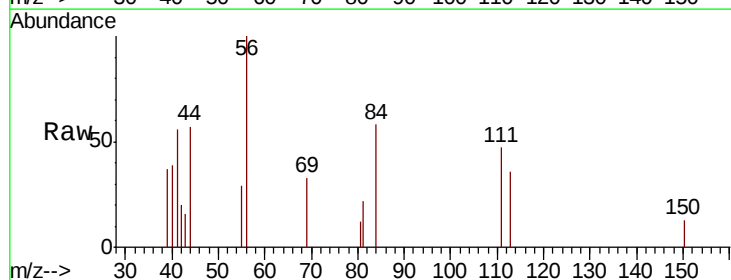
Instrument :
MSVOA_X
ClientSampled :
HH-WATER

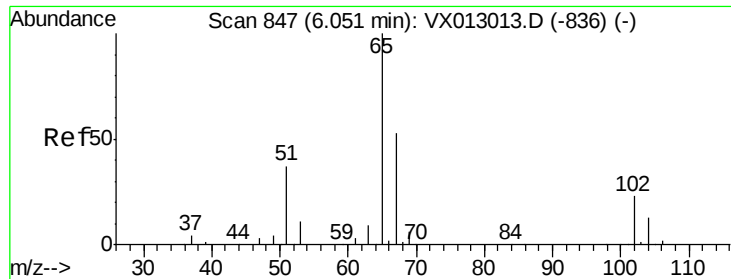
Tot Ion: 84 Resp: 1090
Ion Ratio Lower Upper
84 100
49 84.7 96.6 144.8#
51 30.4 30.7 46.1#
86 43.7 51.0 76.6#



#31
Cyclohexane
Concen: 0.319 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion: 56 Resp: 1034
Ion Ratio Lower Upper
56 100
69 32.6 25.2 37.8
84 58.2 71.3 106.9#

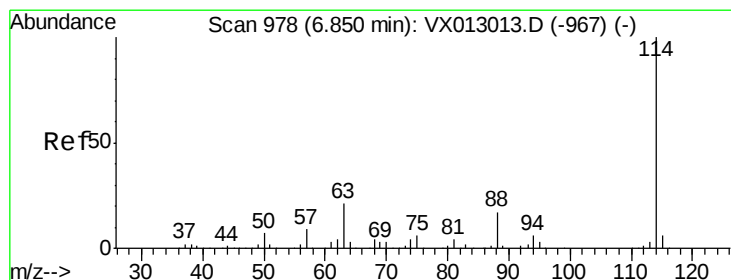
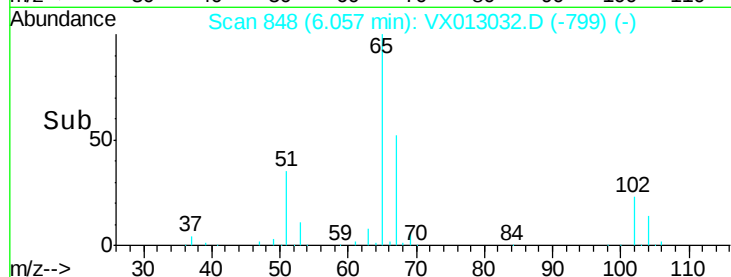
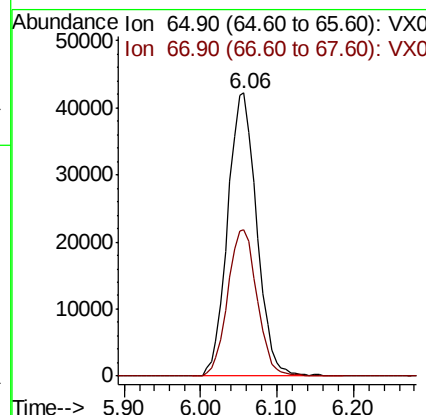
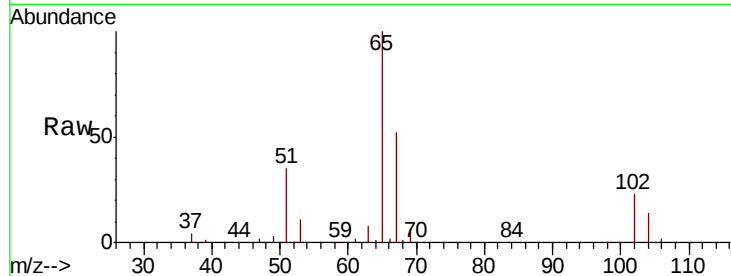




#33
 1,2-Dichloroethane-d4
 Concen: 49.642 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

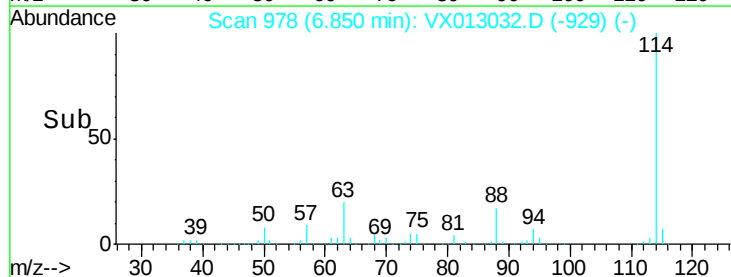
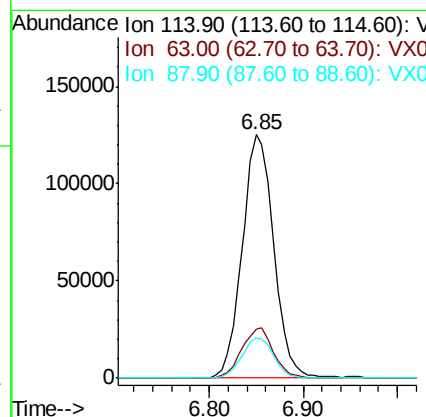
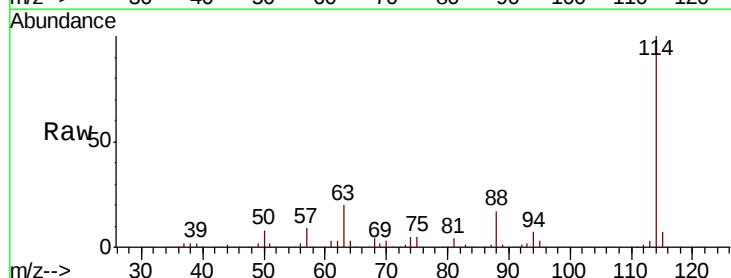
Instrument :
 MSVOA_X
 ClientSampleId :
 HH-WATER

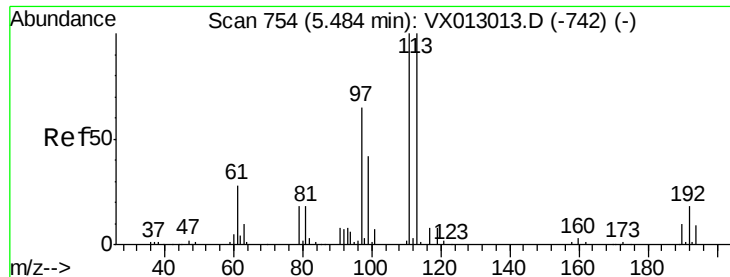
Tot Ion: 65 Resp: 110817
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Tgt Ion: 114 Resp: 292665
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.218 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampleId :

HH-WATER

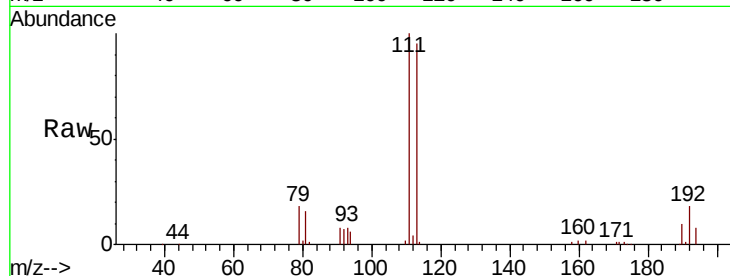
Tot Ion:113 Resp: 86033

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

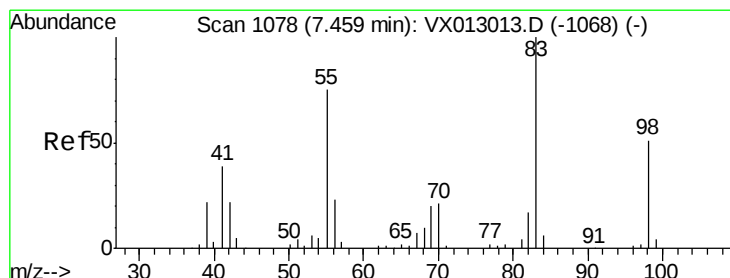
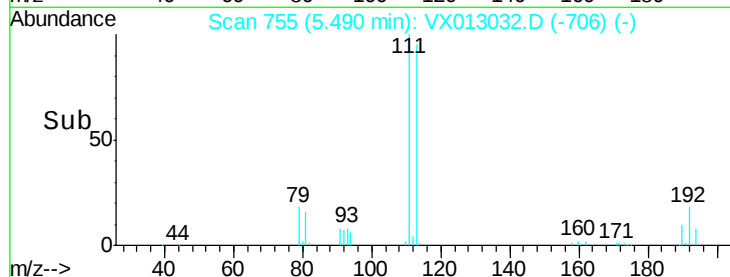
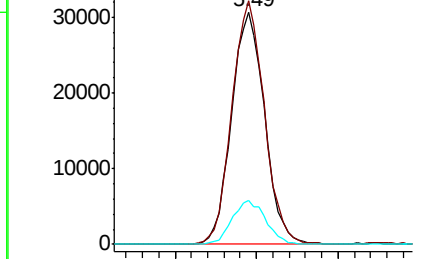
192 19.2 15.4 23.2



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



#39

Methylcyclohexane

Concen: 0.443 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

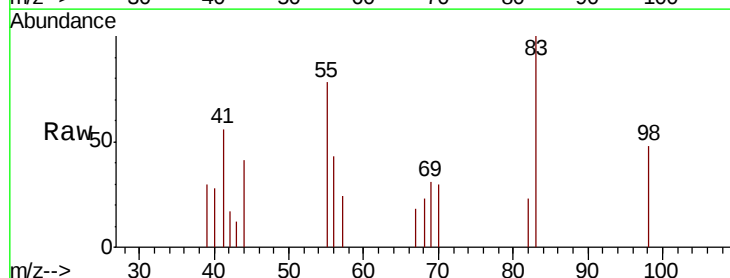
Tgt Ion: 83 Resp: 1383

Ion Ratio Lower Upper

83 100

55 77.5 60.2 90.4

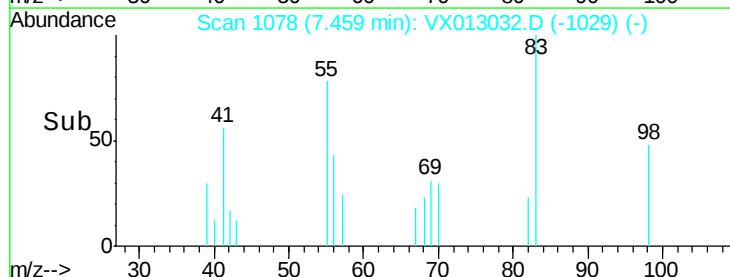
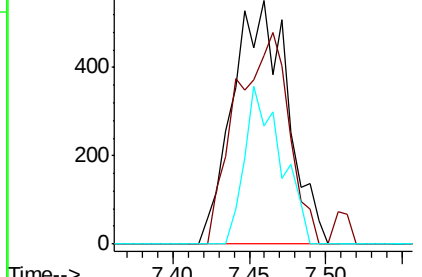
98 48.4 38.5 57.7

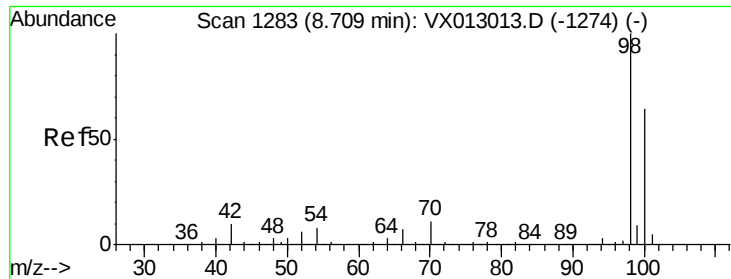


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

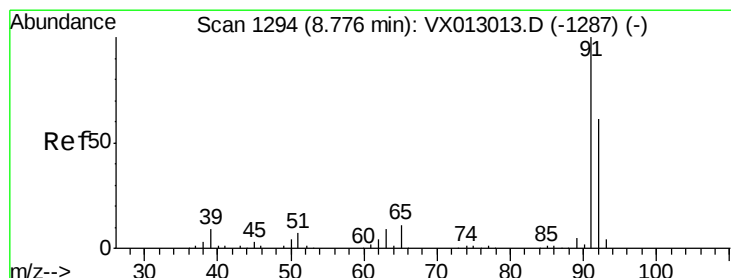
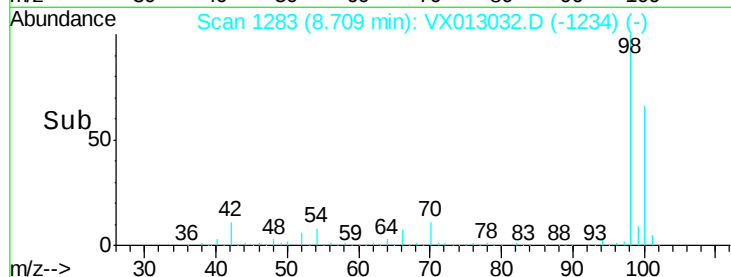
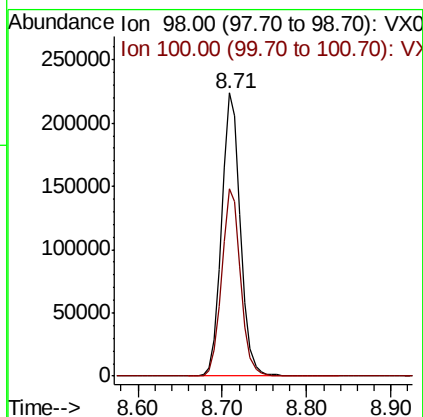
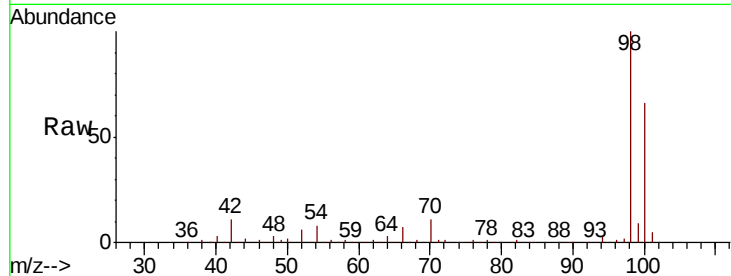




#50
Toluene-d8
Concen: 52.596 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

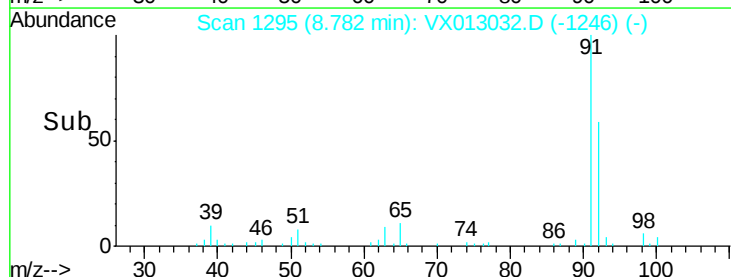
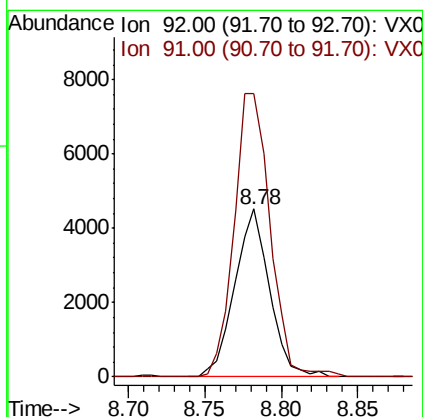
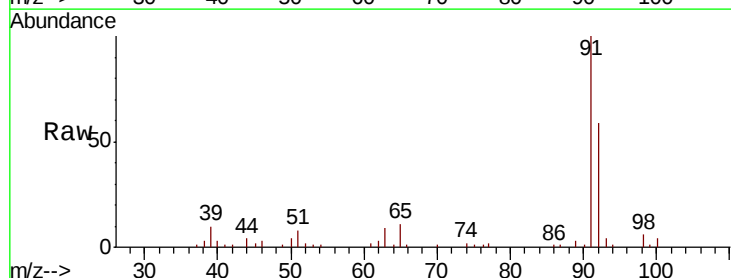
Instrument :
MSVOA_X
ClientSampled :
HH-WATER

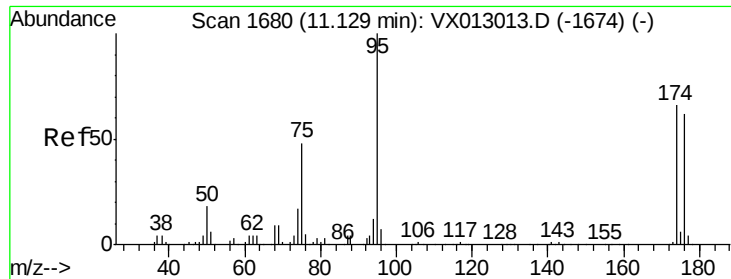
Tot Ion: 98 Resp: 344575
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



#52
Toluene
Concen: 1.469 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion: 92 Resp: 7141
Ion Ratio Lower Upper
92 100
91 174.5 135.9 203.9

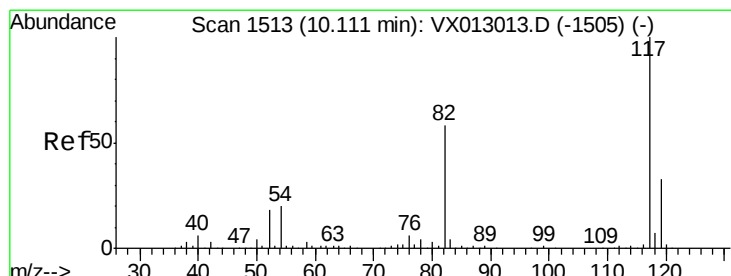
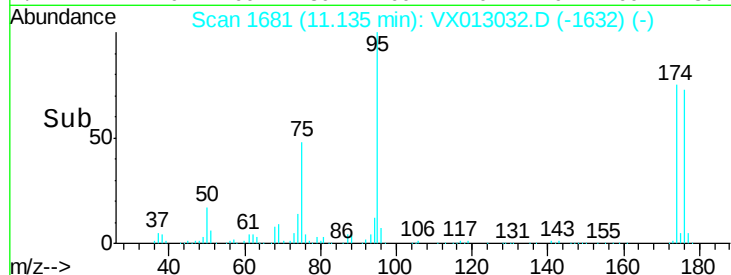
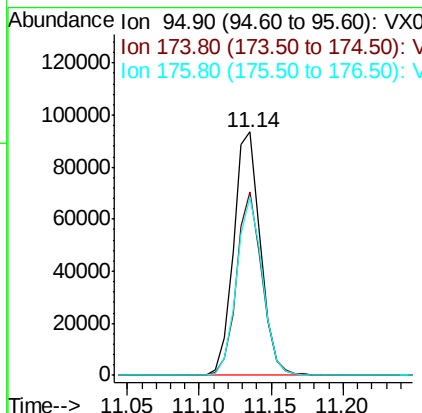
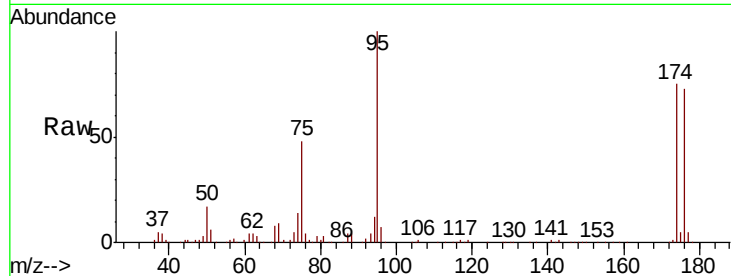




#62
4-Bromofluorobenzene
Concen: 48.015 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

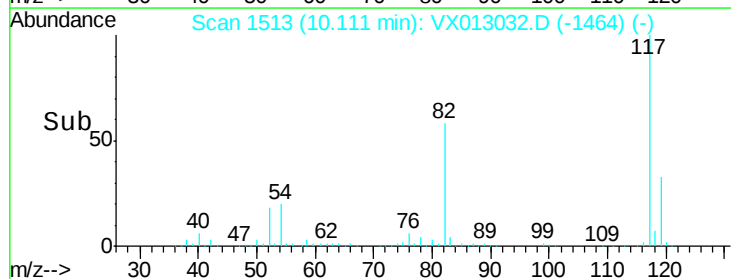
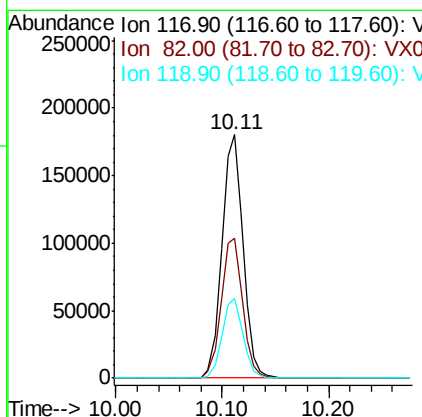
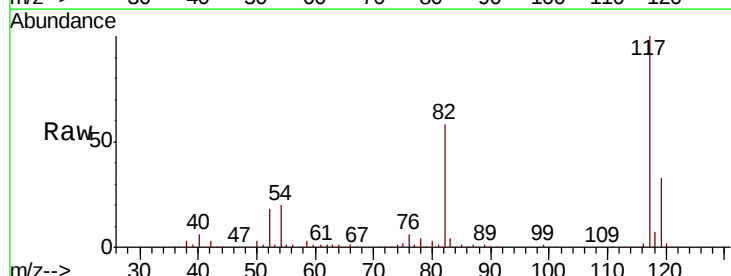
Instrument :
MSVOA_X
ClientSampleId :
HH-WATER

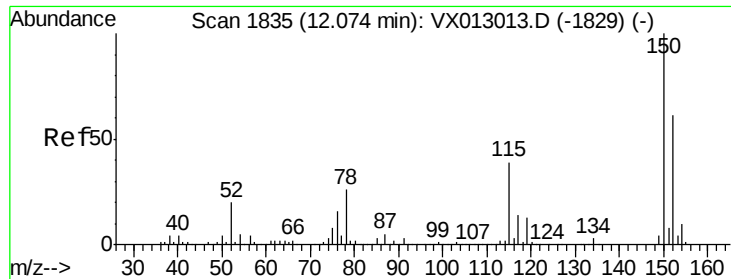
Tot Ion: 95 Resp: 122226
Ion Ratio Lower Upper
95 100
174 71.1 0.0 143.4
176 70.5 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion: 117 Resp: 250890
Ion Ratio Lower Upper
117 100
82 57.5 44.1 66.1
119 32.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampleId :

HH-WATER

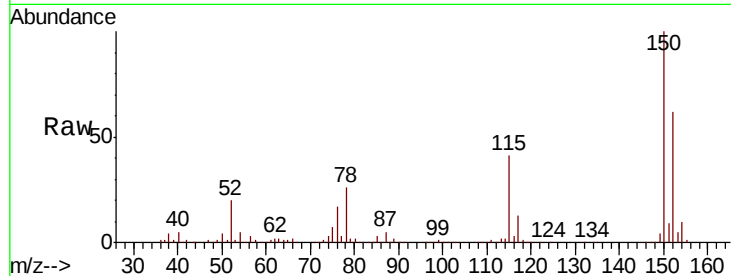
Tot Ion:152 Resp: 105043

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

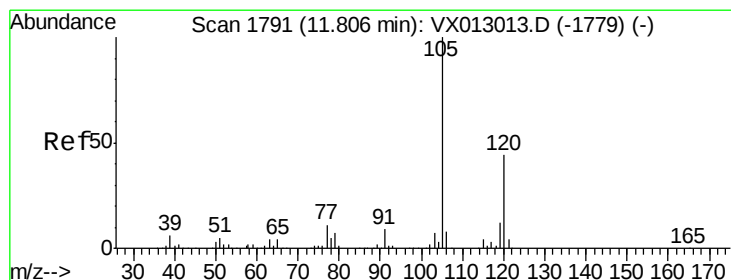
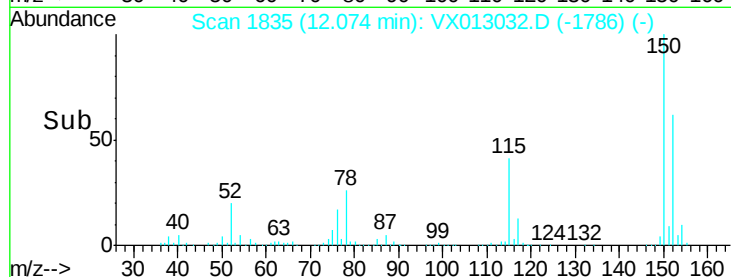
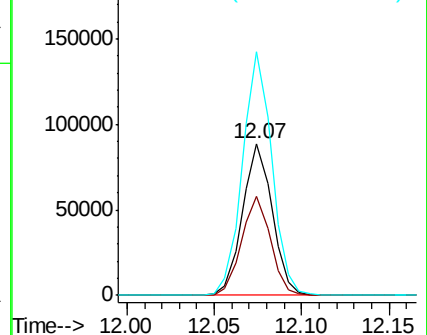
150 158.6 0.0 353.4



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: 0.375 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX013032.D

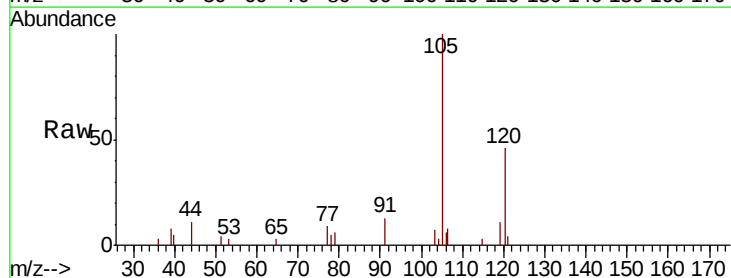
Acq: 11 Oct 2019 21:23

Tgt Ion:105 Resp: 2448

Ion Ratio Lower Upper

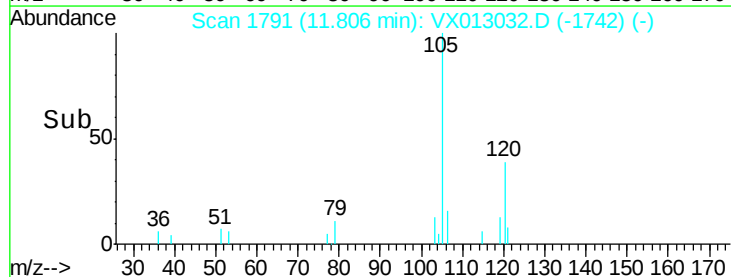
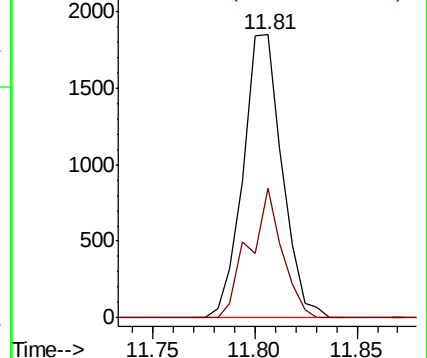
105 100

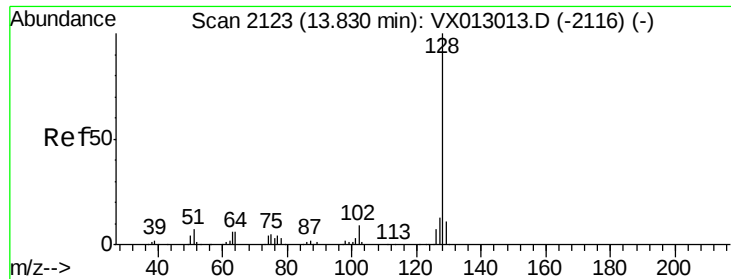
120 39.1 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

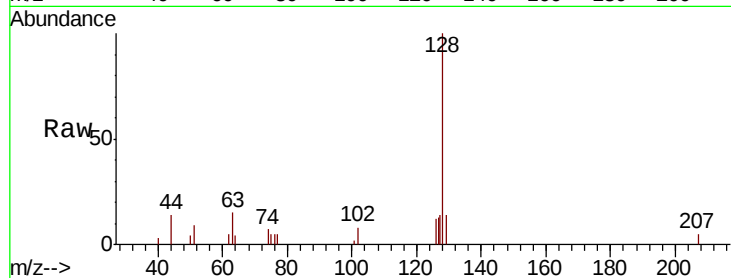




#95
 Naphthalene
 Concen: 0.453 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 HH-WATER

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.2	15.4#
129	12.2	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

