

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 11 23:31:22 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
3) Chloromethane	1.32	50	520	0.262	ug/l	100
5) Bromomethane	1.65	94	702	0.826	ug/l #	80
6) Chloroethane	1.73	64	331	0.631	ug/l #	43
10) Methyl Iodide	2.51	142	963	5.509	ug/l #	81
11) Tert butyl alcohol	3.03	59	10385	17.549	ug/l	100
13) Acrolein	2.29	56	531	1.263	ug/l	90
15) Acrylonitrile	3.14	53	534	0.476	ug/l #	93
16) Acetone	2.43	43	17156	14.580	ug/l	95
17) Carbon Disulfide	2.56	76	2630	0.511	ug/l	97
18) Methyl Acetate	2.84	43	2723	0.976	ug/l #	51
20) Methylene Chloride	2.84	84	1090	0.504	ug/l #	73
21) trans-1,2-Dichloroethene	3.16	96	443	0.229	ug/l #	83
25) 2-Butanone	4.67	43	736	0.451	ug/l #	75
27) cis-1,2-Dichloroethene	4.59	96	456	0.204	ug/l	63
28) Bromochloromethane	5.20	49	25	Below Cal	#	13
29) Tetrahydrofuran	5.13	42	1052	1.047	ug/l #	67
31) Cyclohexane	5.57	56	1034	0.319	ug/l #	75
36) 1,1-Dichloropropene	5.66	75	13615	5.291	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18677	7.457	ug/l #	18
39) Methylcyclohexane	7.46	83	1383	0.443	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	888	0.308	ug/l	98
52) Toluene	8.78	92	7141	1.469	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	225	2.237	ug/l	90
56) Ethyl methacrylate	9.04	69	25	1.838	ug/l #	1
59) 2-Hexanone	9.51	43	542	0.242	ug/l	96
60) Dibromochloromethane	9.34	129	342	2.011	ug/l #	10
68) m/p-Xylenes	10.36	106	1375	0.416	ug/l	78
76) 1,2,3-Trichloropropane	11.13	75	61274	26.300	ug/l #	32
78) n-propylbenzene	11.35	91	1813	0.213	ug/l	100
79) 2-Chlorotoluene	11.51	91	1398	0.262	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	1319	0.205	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.13	75	61274	66.189	ug/l #	10
82) 4-Chlorotoluene	11.51	91	1398	0.228	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	2448	0.375	ug/l	93

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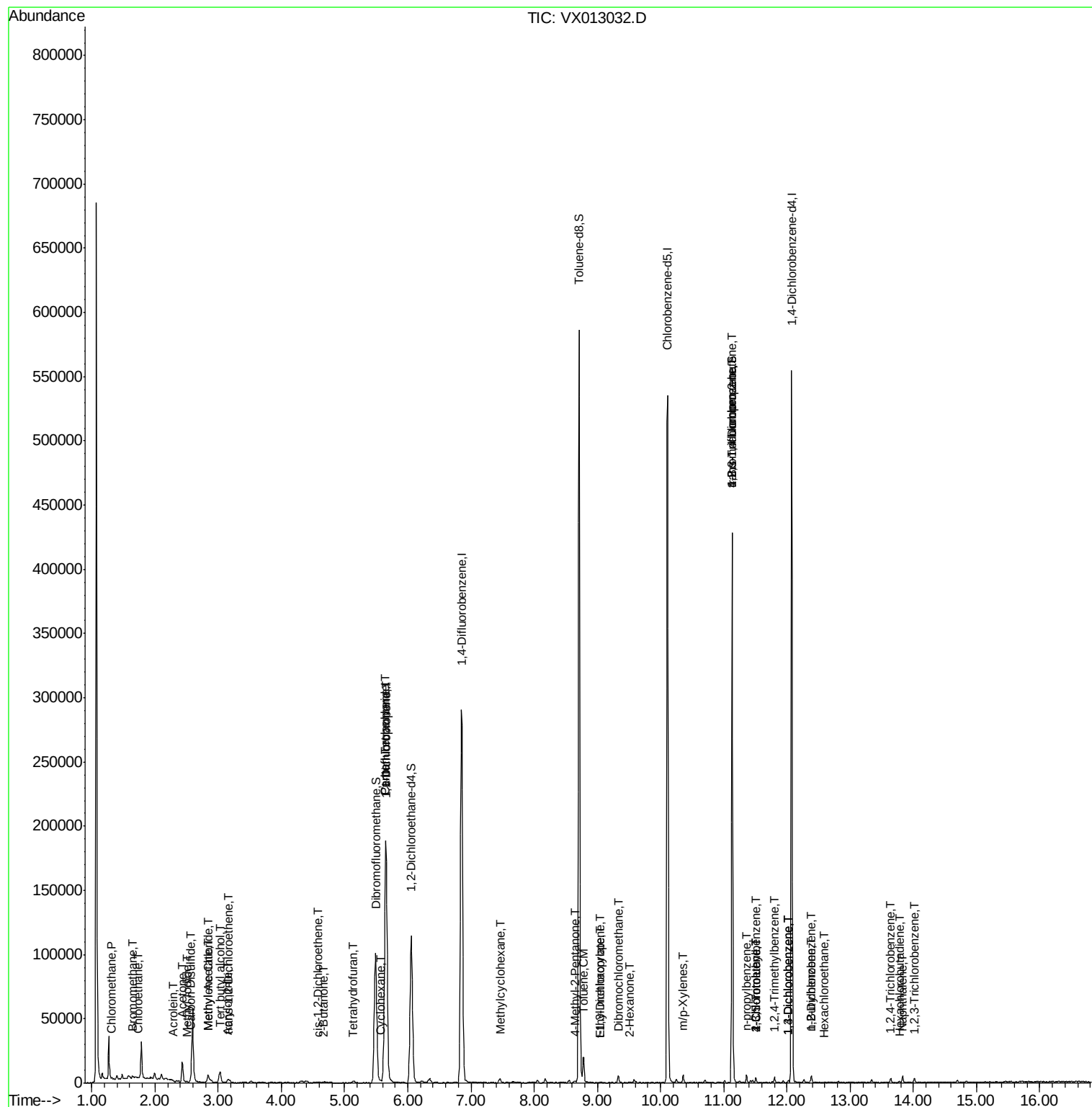
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.03	146	871	0.258	ug/l	97
88) 1,4-Dichlorobenzene	12.03	146	871	0.254	ug/l	97
89) n-Butylbenzene	12.39	91	1608	0.283	ug/l	92
90) Hexachloroethane	12.58	117	97	2.192	ug/l #	13
91) 1,2-Dichlorobenzene	12.39	146	689	0.208	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	1067	0.514	ug/l	94
94) Hexachlorobutadiene	13.78	225	357	0.373	ug/l	74
95) Naphthalene	13.83	128	3256	0.453	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	868	0.405	ug/l	93

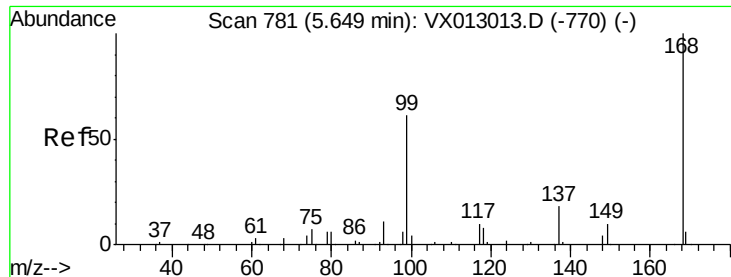
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
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#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

ClientSampled :

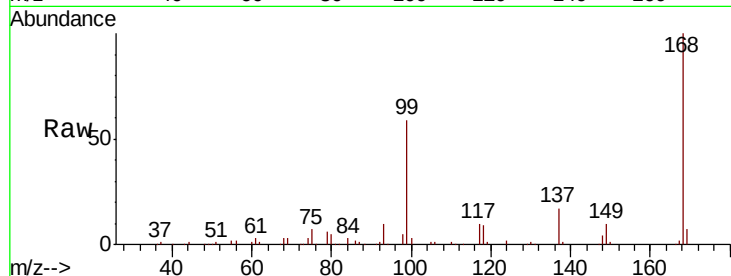
HH-WATER

Tot Ion:168 Resp: 178604

Ion Ratio Lower Upper

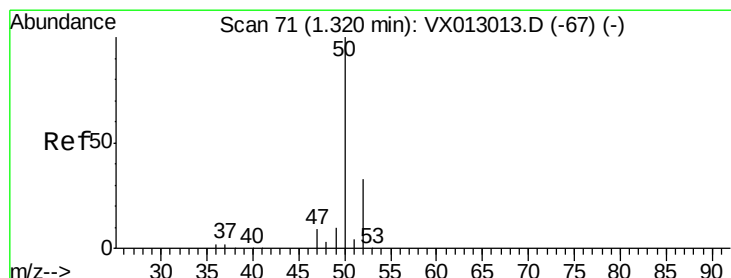
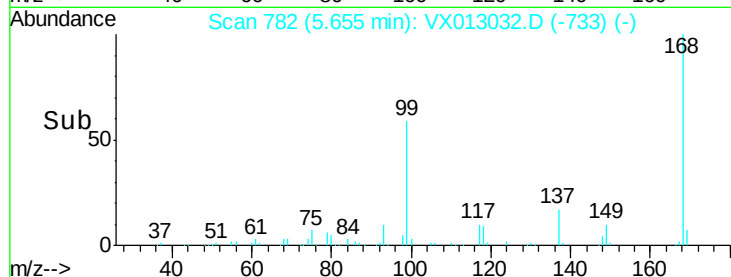
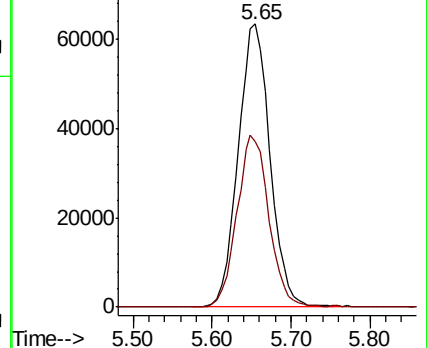
168 100

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



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013032.D

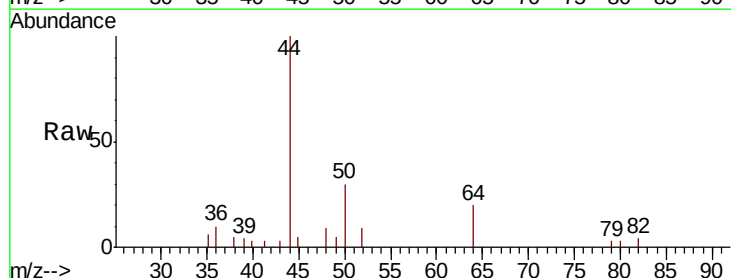
Acq: 11 Oct 2019 21:23

Tgt Ion: 50 Resp: 520

Ion Ratio Lower Upper

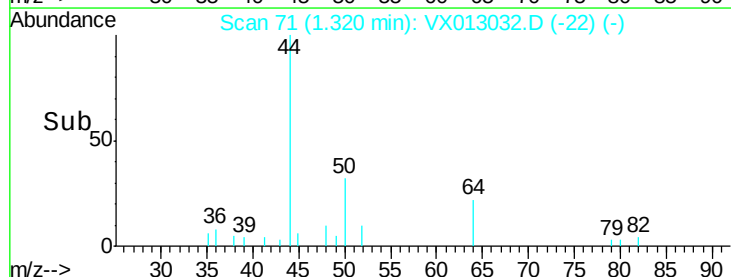
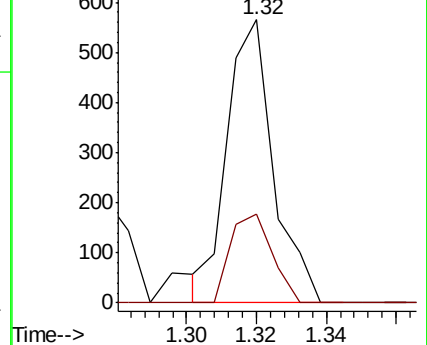
50 100

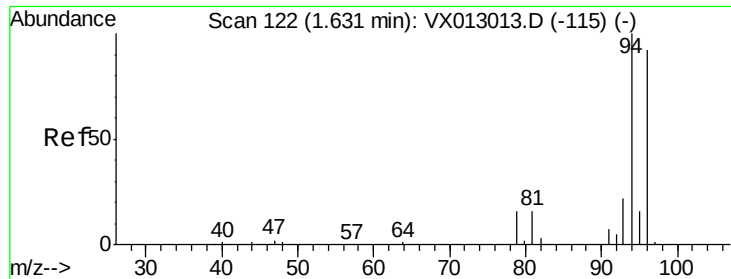
52 31.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.826 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampleId :

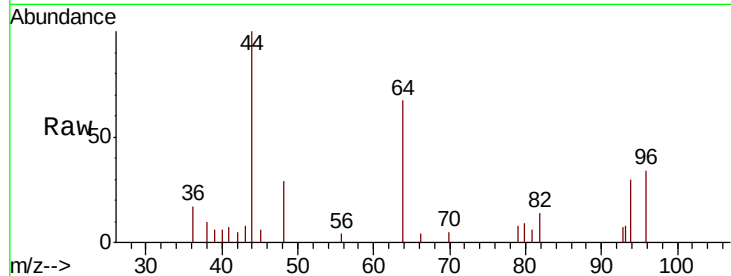
HH-WATER

Tot Ion: 94 Resp: 702

Ion Ratio Lower Upper

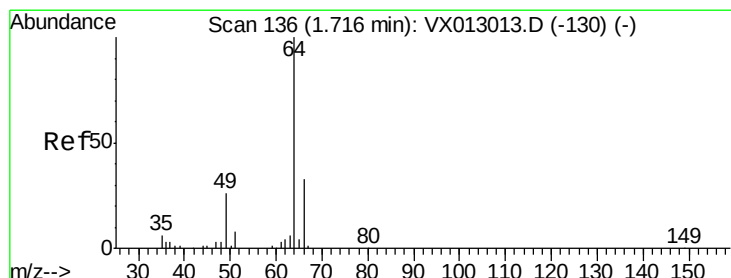
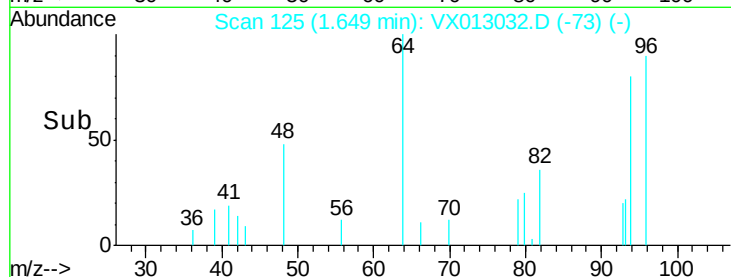
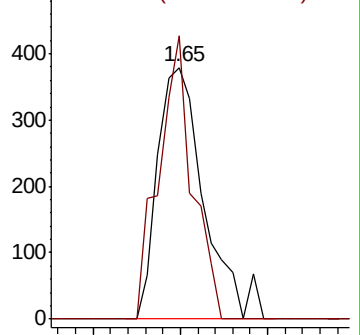
94 100

96 112.7 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.631 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX013032.D

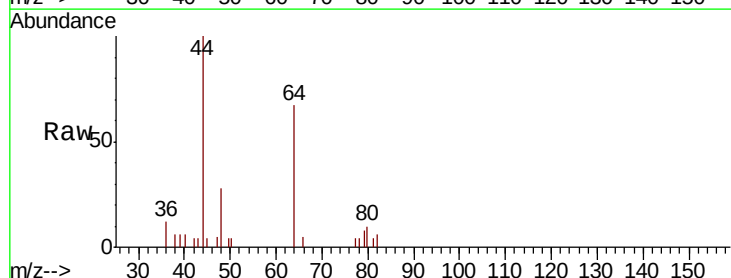
Acq: 11 Oct 2019 21:23

Tgt Ion: 64 Resp: 331

Ion Ratio Lower Upper

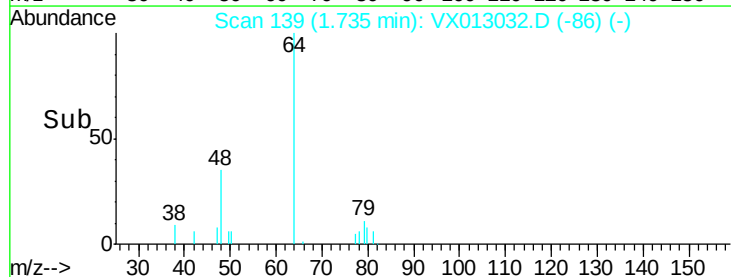
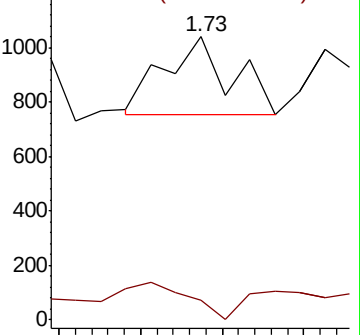
64 100

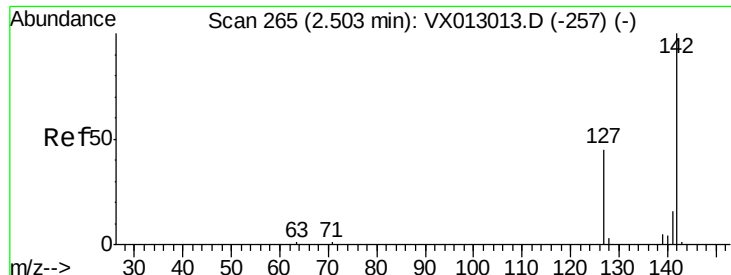
66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

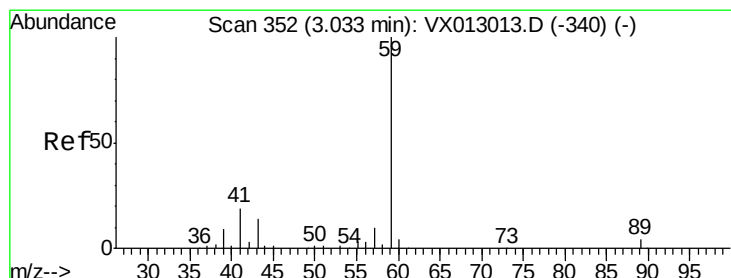
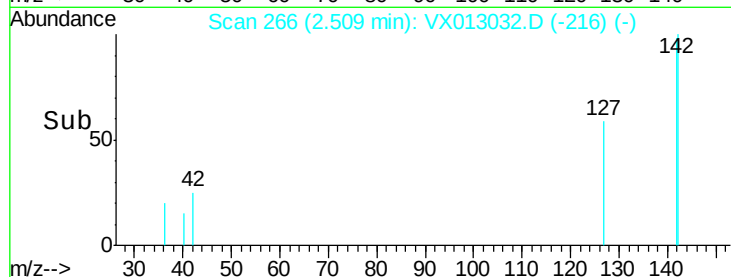
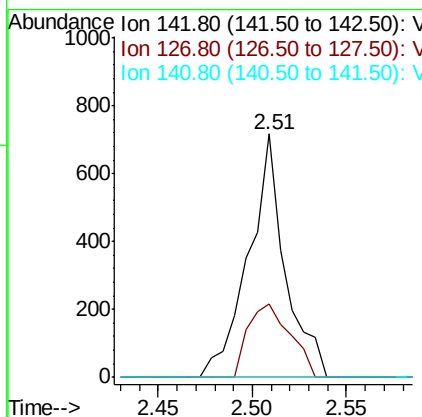
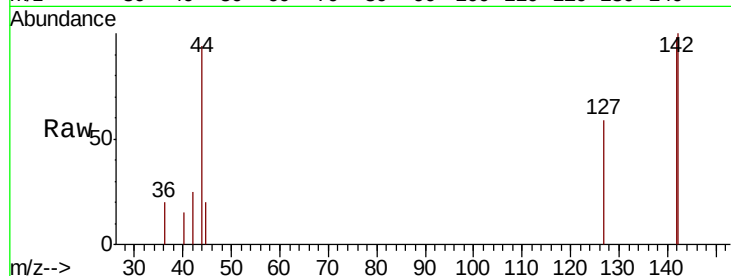




#10
Methvl Iodide
Concen: 5.509 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

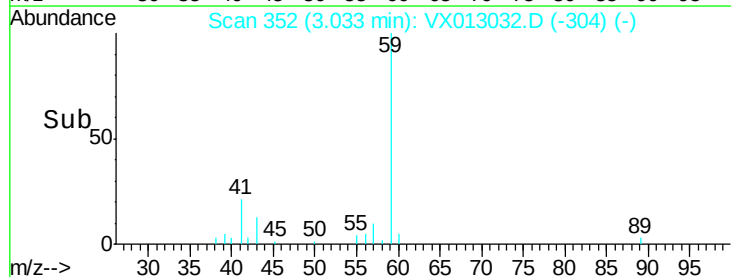
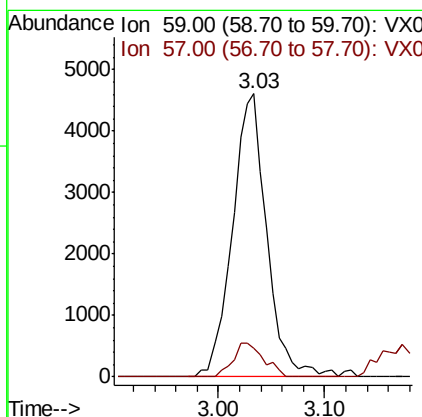
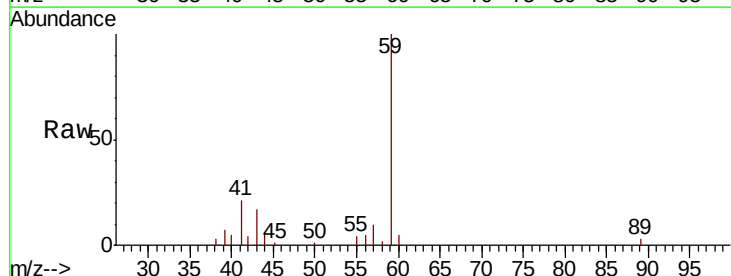
Instrument :
MSVOA_X
ClientSampleId :
HH-WATER

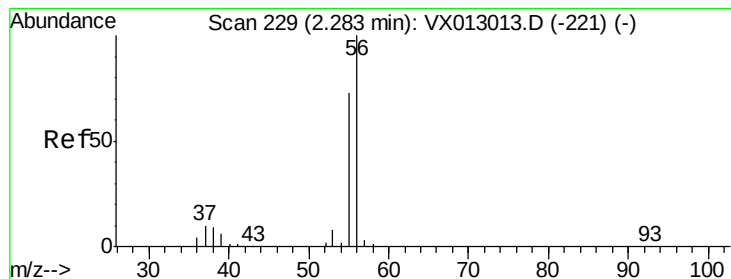
Tot Ion:142 Resp: 963
Ion Ratio Lower Upper
142 100
127 34.5 34.9 52.3#
141 0.0 11.6 17.4#



#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





#13

Acrolein

Concen: 1.263 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

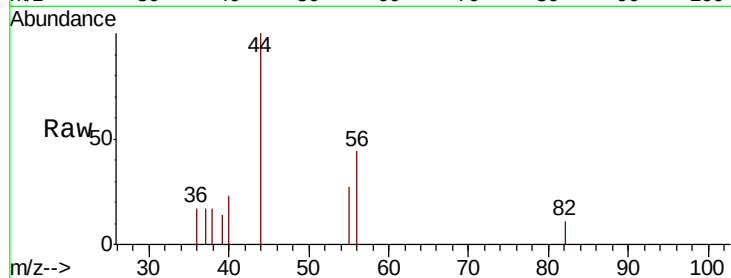
HH-WATER

Tot Ion: 56 Resp: 531

Ion Ratio Lower Upper

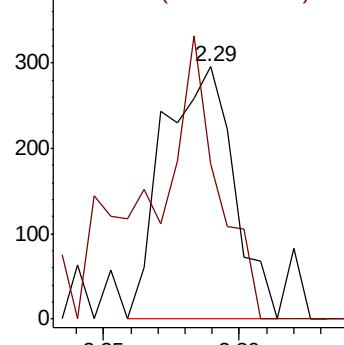
56 100

55 62.9 56.6 85.0

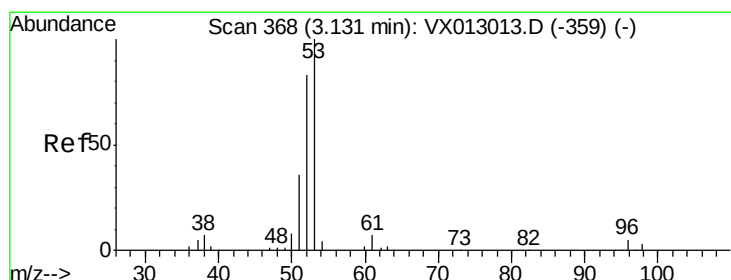
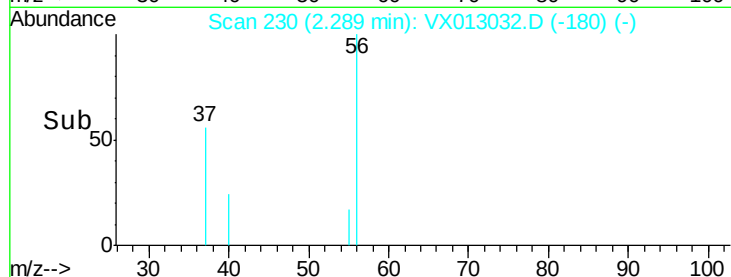


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.476 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

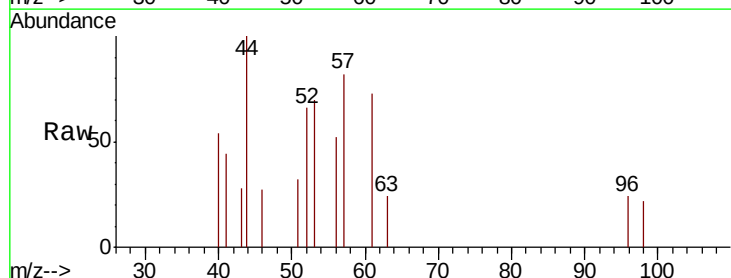
Tgt Ion: 53 Resp: 534

Ion Ratio Lower Upper

53 100

52 84.5 66.2 99.2

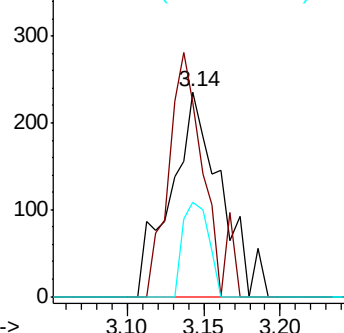
51 24.0 28.2 42.4#



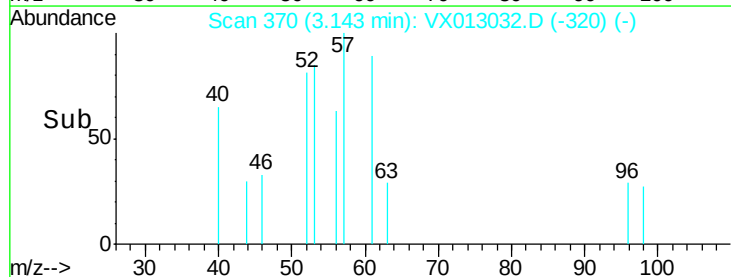
Abundance Ion 53.00 (52.70 to 53.70): VX0

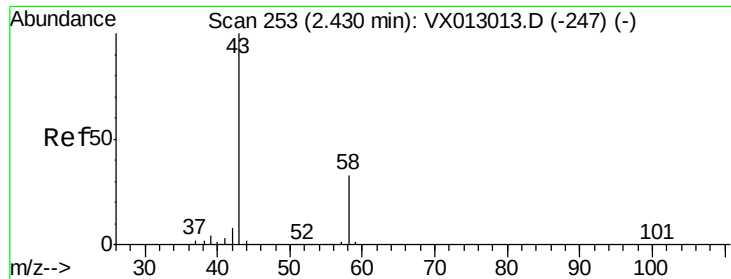
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#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 :

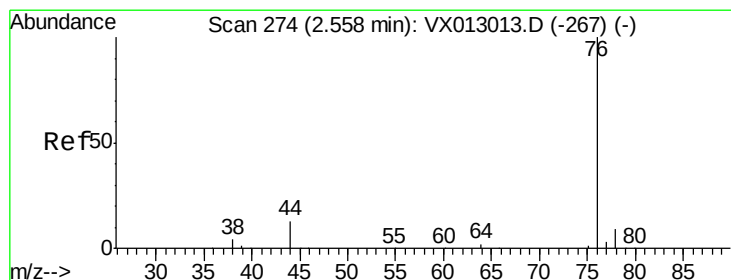
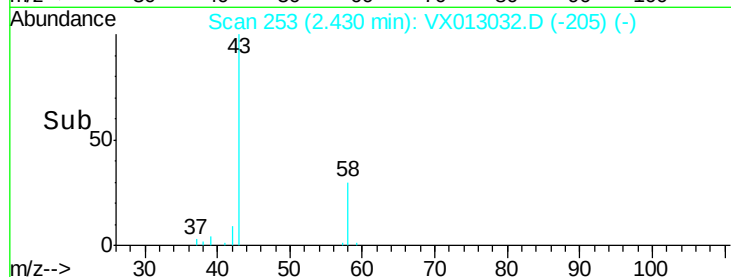
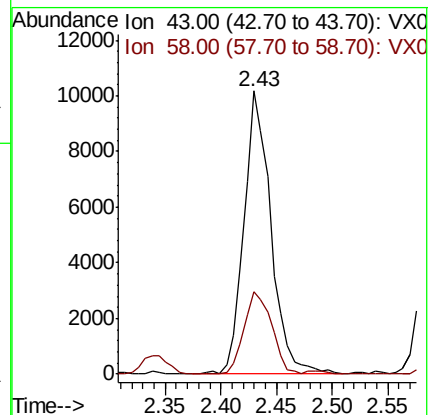
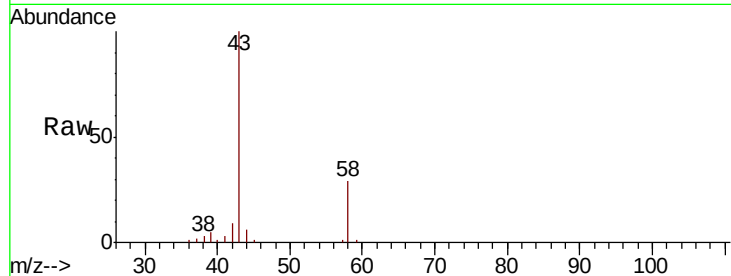
HH-WATER

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

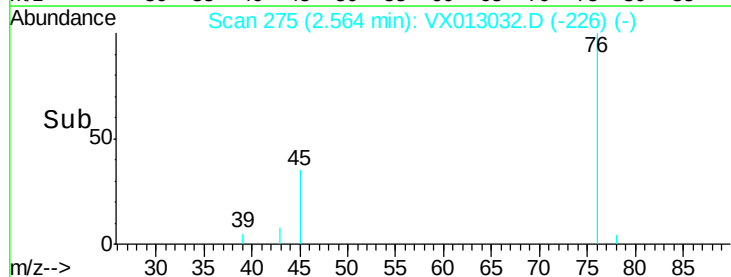
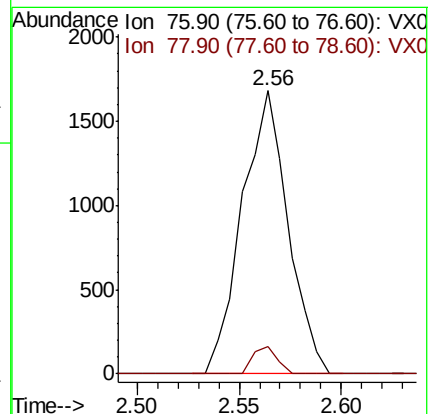
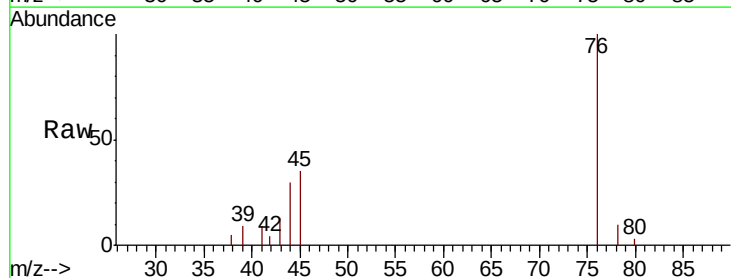
Acq: 11 Oct 2019 21:23

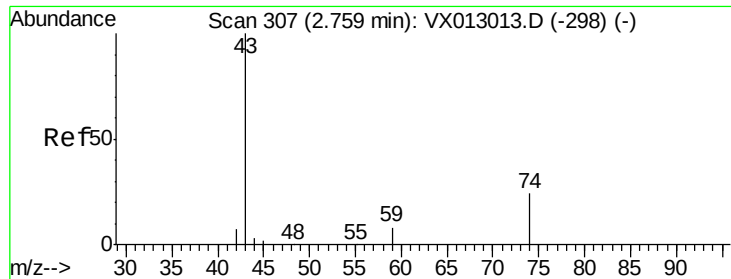
Tgt Ion: 76 Resp: 2630

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

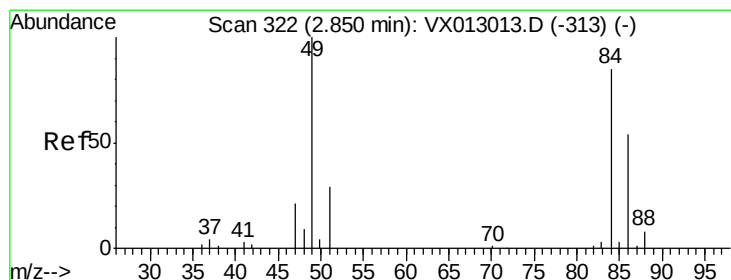
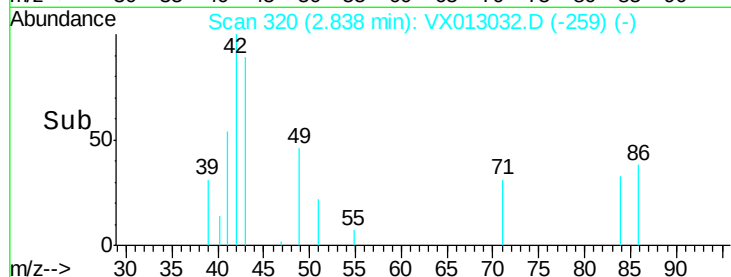
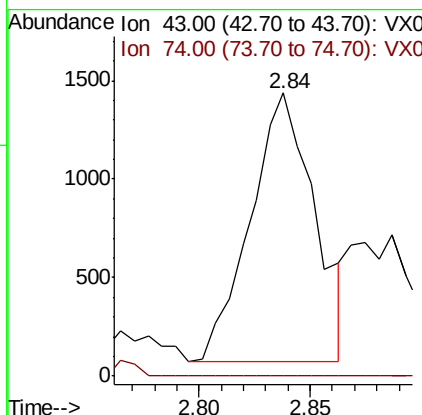
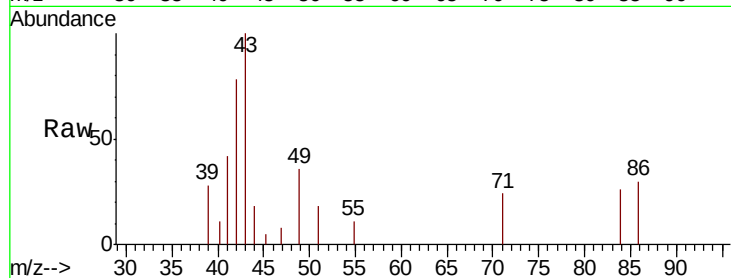




#18
Methvl Acetate
Concen: 0.976 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.07 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

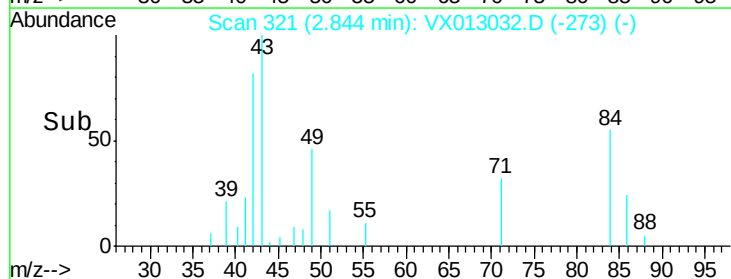
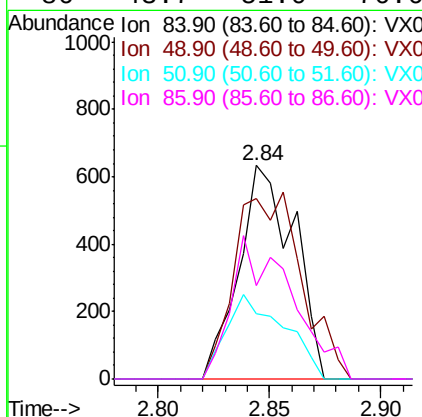
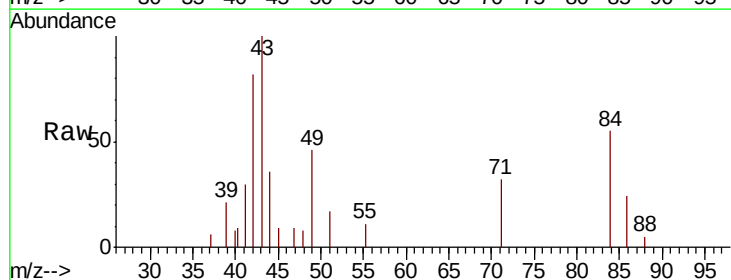
Instrument :
MSVOA_X
ClientSampleId :
HH-WATER

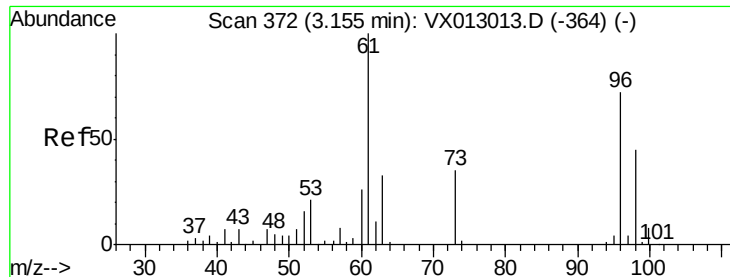
Tot Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene 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

Tgt 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#





#21

trans-1,2-Dichloroethene

Concen: 0.229 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

HH-WATER

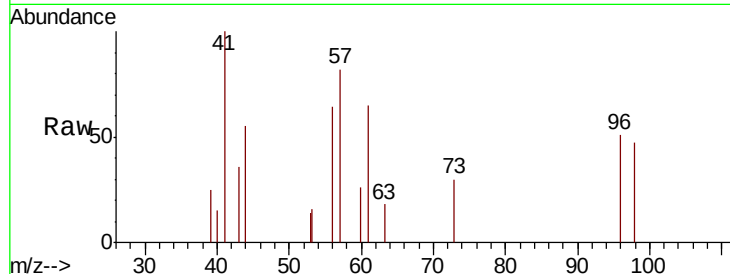
Tot Ion: 96 Resp: 443

Ion Ratio Lower Upper

96 100

61 127.1 110.4 165.6

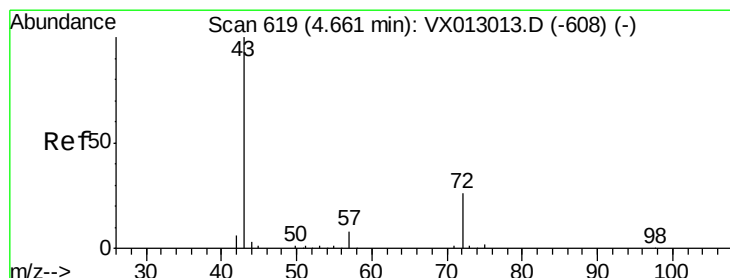
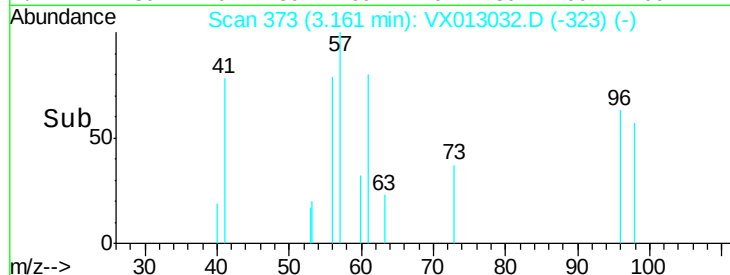
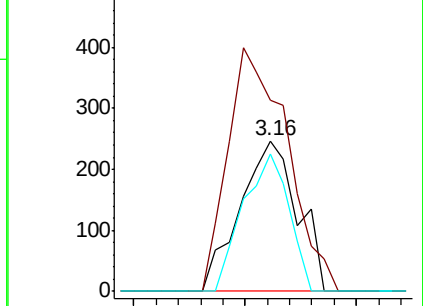
98 91.1 51.5 77.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#25

2-Butanone

Concen: 0.451 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX013032.D

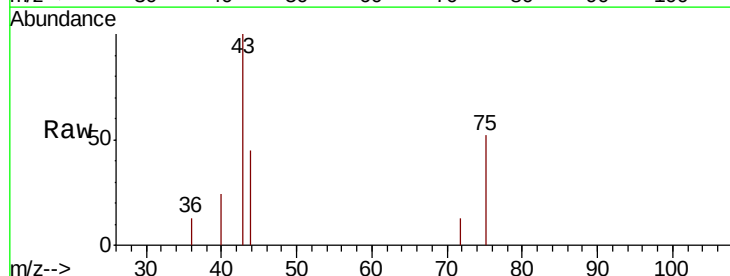
Acq: 11 Oct 2019 21:23

Tgt Ion: 43 Resp: 736

Ion Ratio Lower Upper

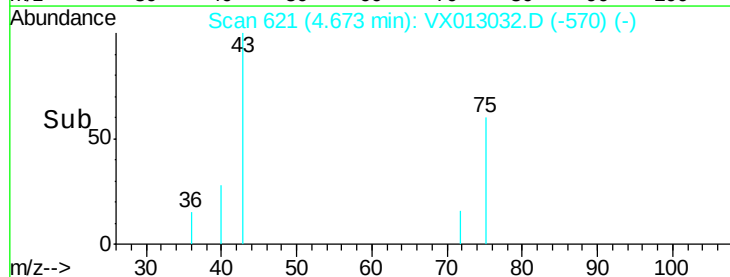
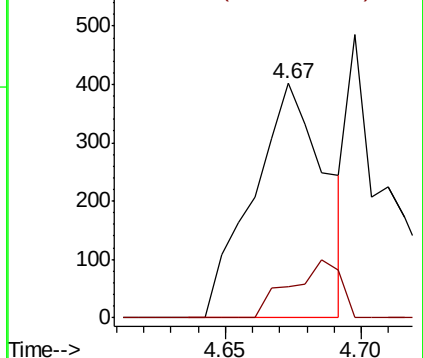
43 100

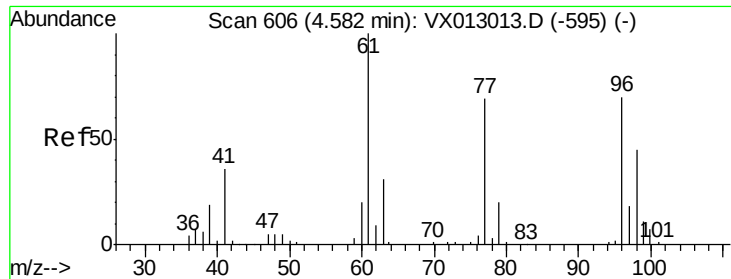
72 13.5 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



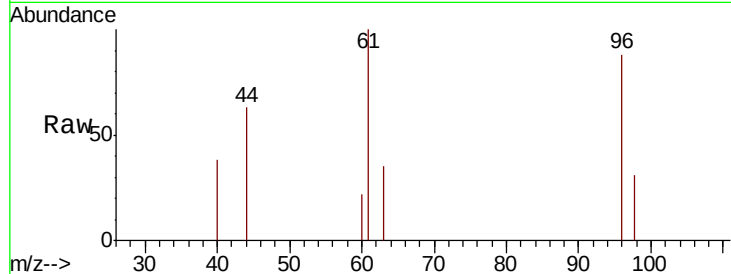


#27

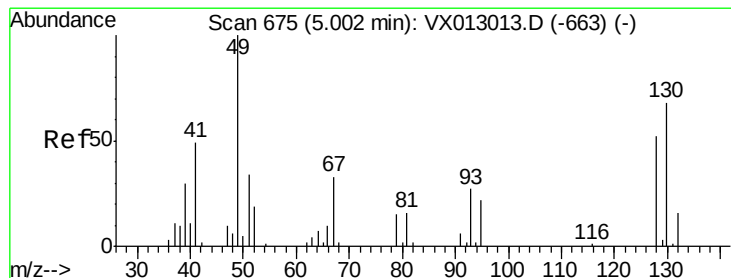
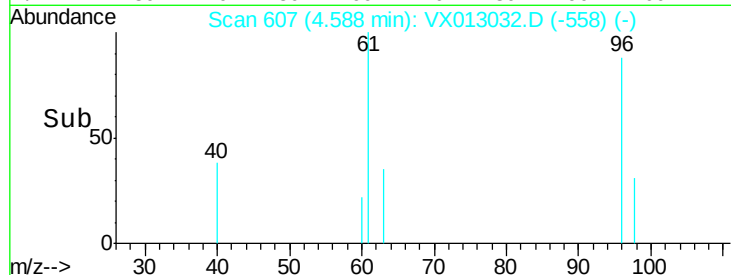
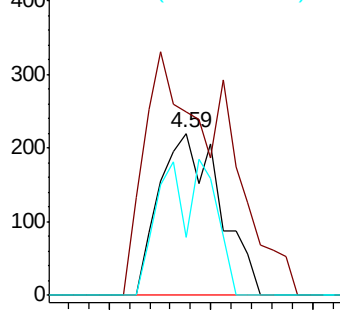
cis-1,2-Dichloroethene
Concen: 0.204 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Instrument :
MSVOA_X
ClientSampled :
HH-WATER

Tot Ion: 96 Resp: 456
Ion Ratio Lower Upper
96 100
61 194.3 0.0 290.6
98 39.0 0.0 128.8



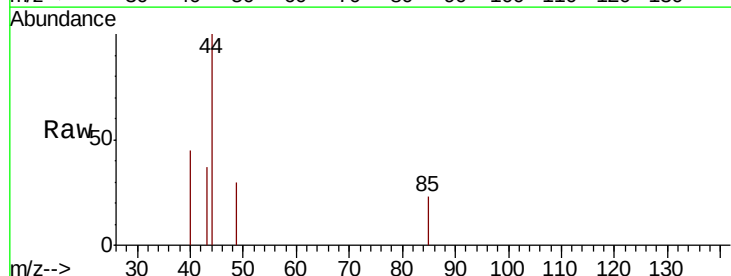
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



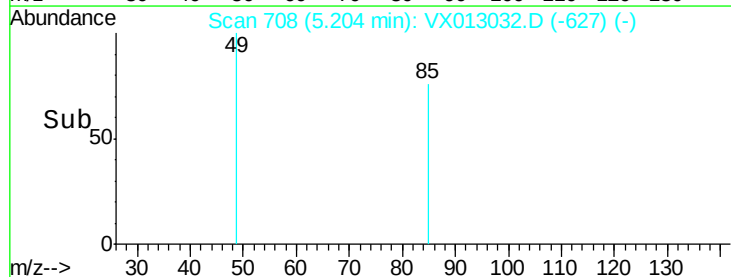
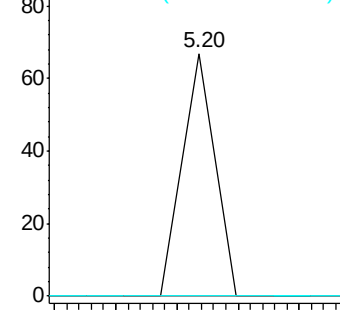
#28

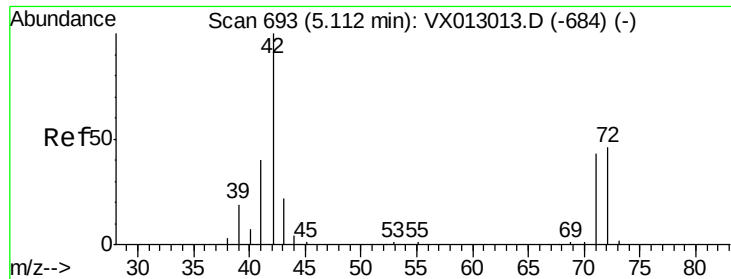
Bromochloromethane
Concen: Below Cal
RT: 5.20 min Scan# 708
Delta R.T. 0.20 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion: 49 Resp: 25
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

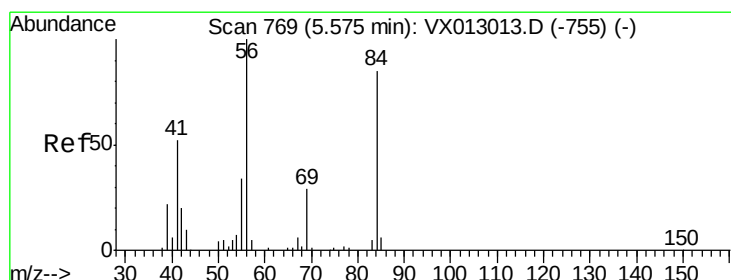
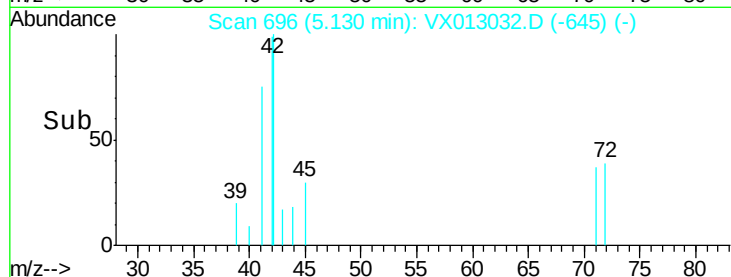
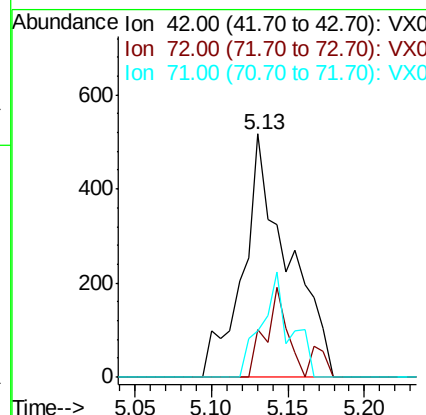
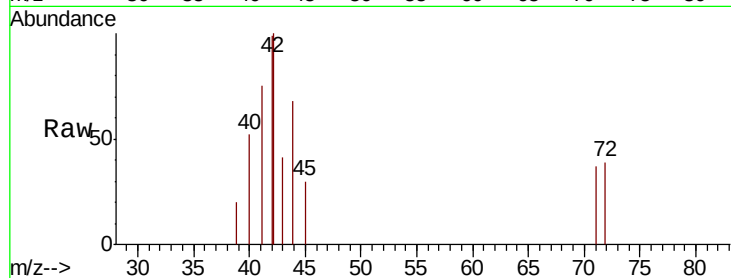




#29
Tetrahydrofuran
Concen: 1.047 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

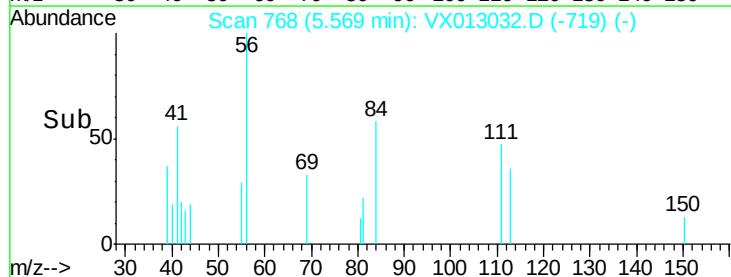
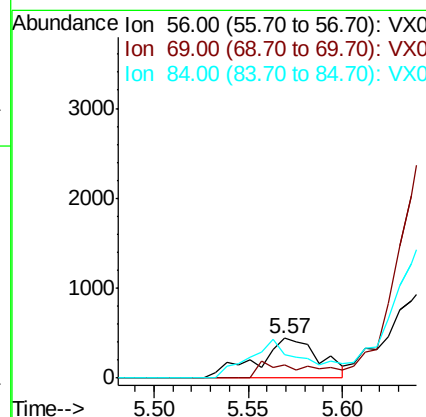
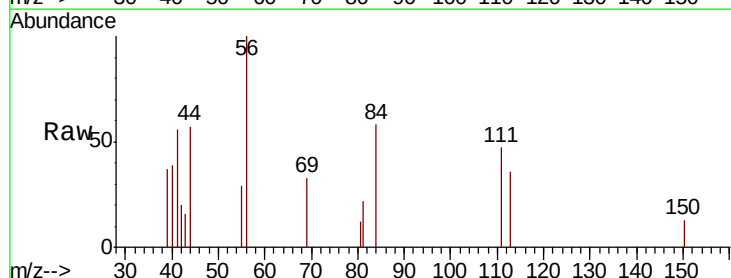
Instrument :
MSVOA_X
ClientSampled :
HH-WATER

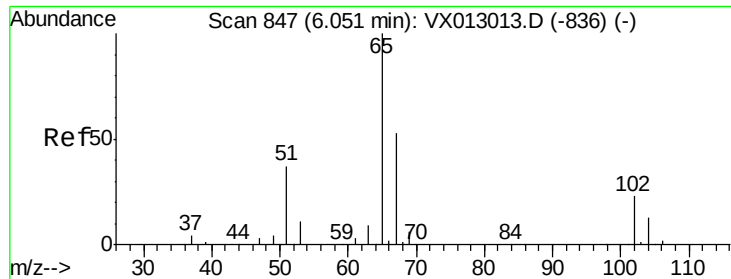
Tot Ion: 42 Resp: 1052
Ion Ratio Lower Upper
42 100
72 18.2 36.9 55.3#
71 27.9 33.5 50.3#



#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#

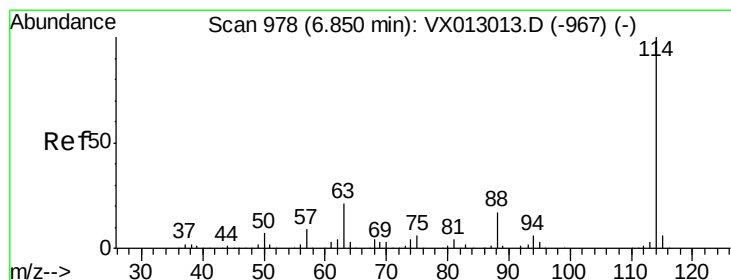
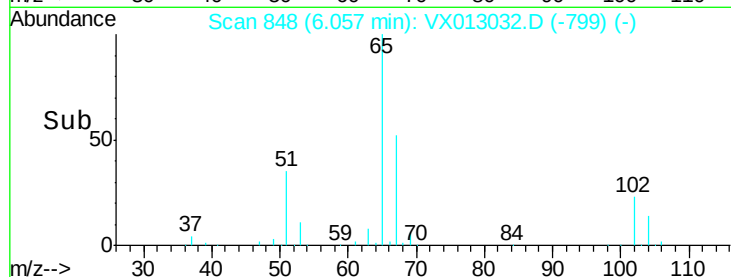
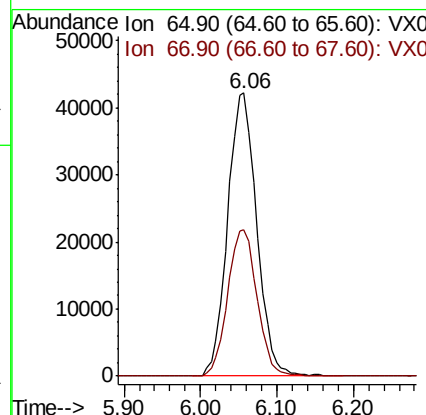
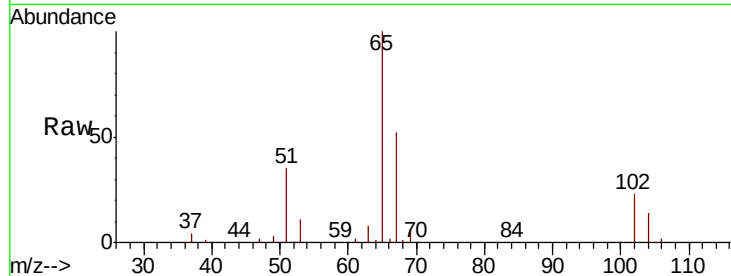




#33
 1,2-Dichloroethane-d4
 Concen: 49.642 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

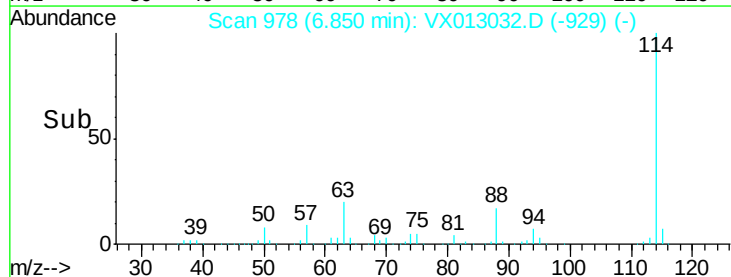
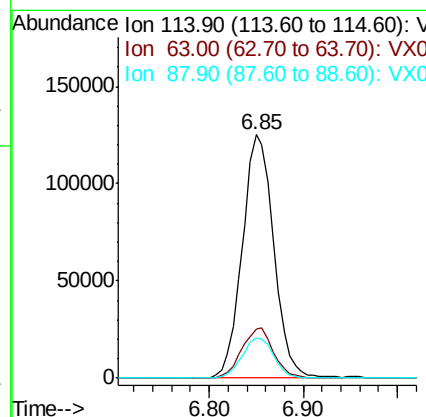
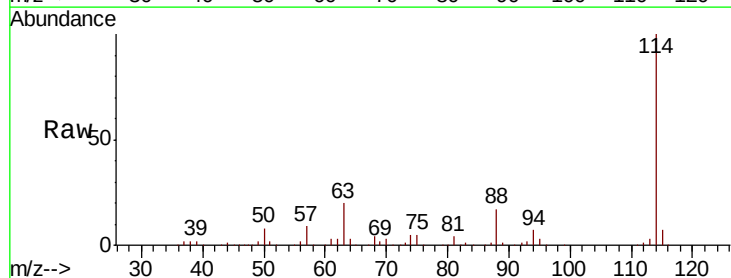
Instrument :
 MSVOA_X
 ClientSampleId :
 HH-WATER

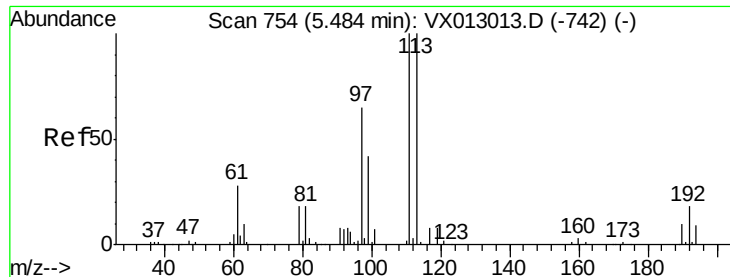
Tot Ion: 65 Resp: 110817
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.4



#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

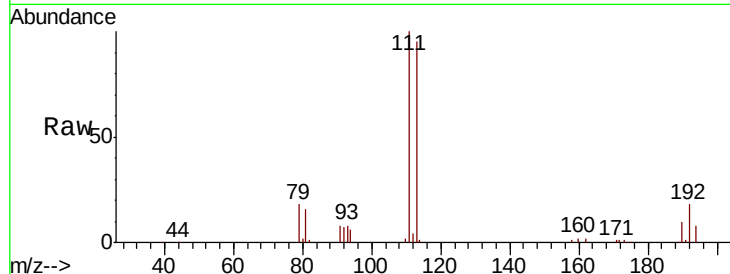
Tot Ion:113 Resp: 86033

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

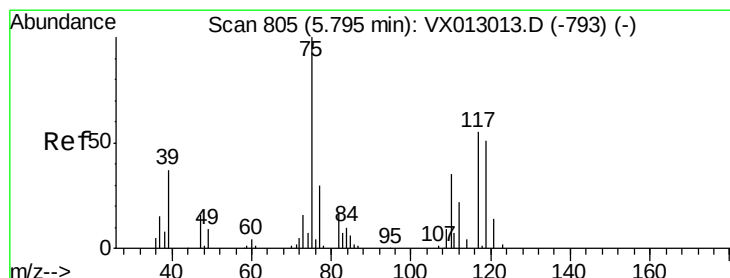
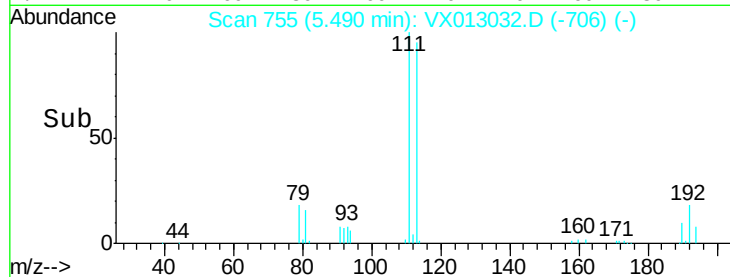
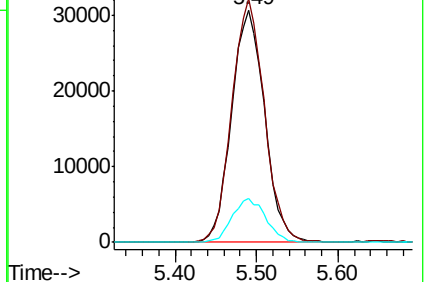
192 19.2 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 5.291 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.13 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

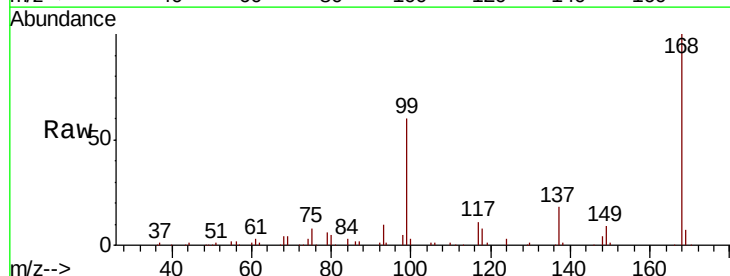
Tgt Ion: 75 Resp: 13615

Ion Ratio Lower Upper

75 100

110 9.8 17.6 52.9#

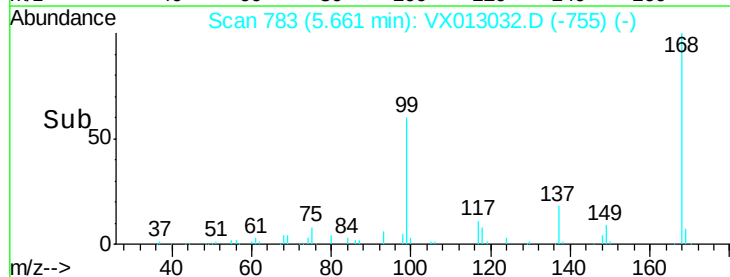
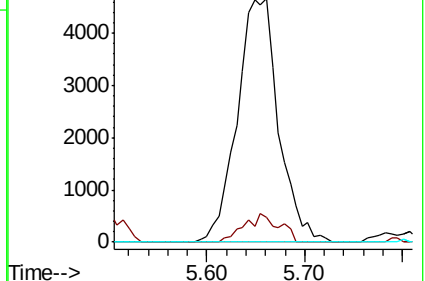
77 0.0 24.4 36.6#

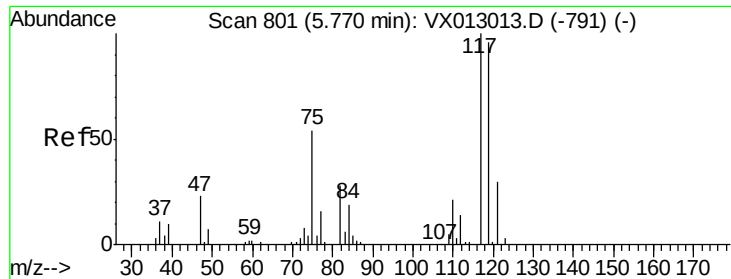


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.457 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

HH-WATER

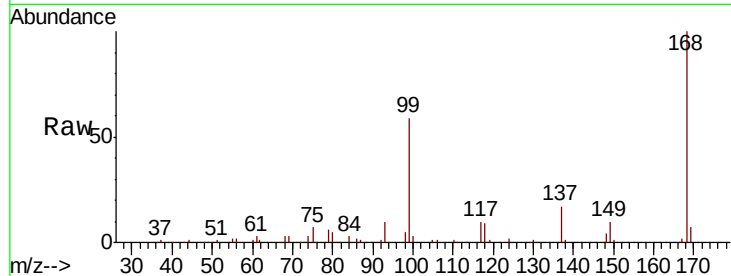
Tot Ion:117 Resp: 18677

Ion Ratio Lower Upper

117 100

119 5.6 74.5 111.7#

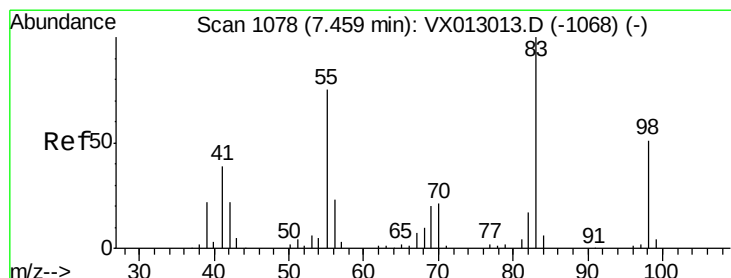
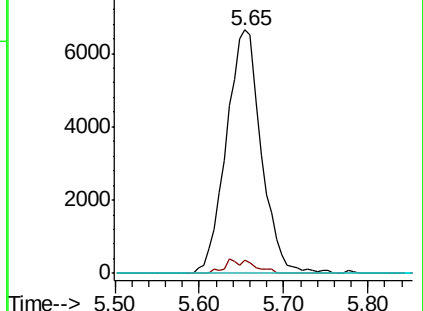
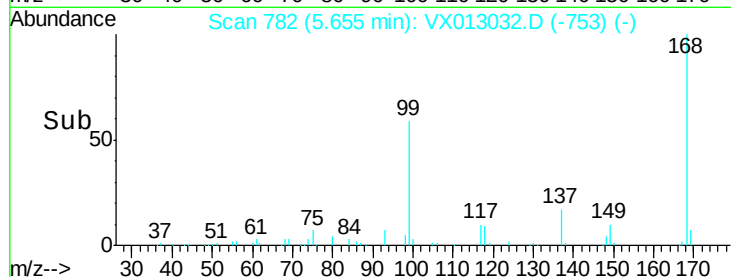
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): 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

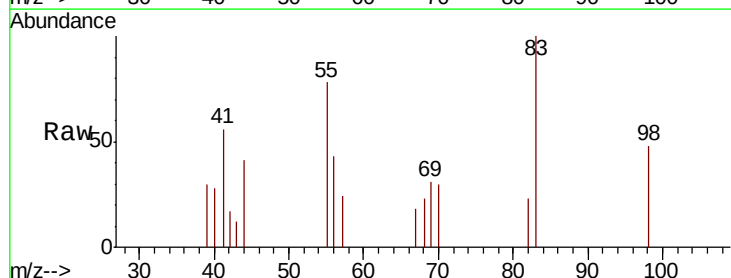
Tgt Ion: 83 Resp: 1383

Ion Ratio Lower Upper

83 100

55 77.5 60.2 90.4

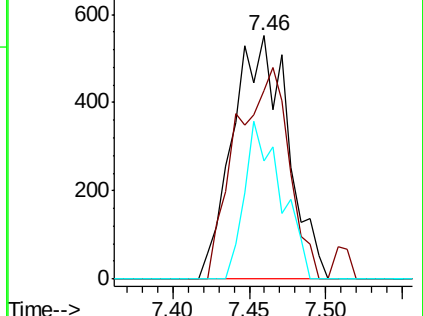
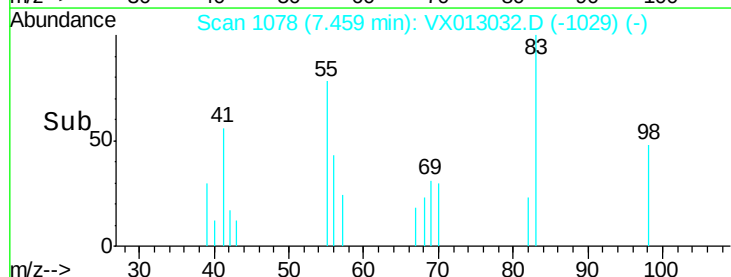
98 48.4 38.5 57.7

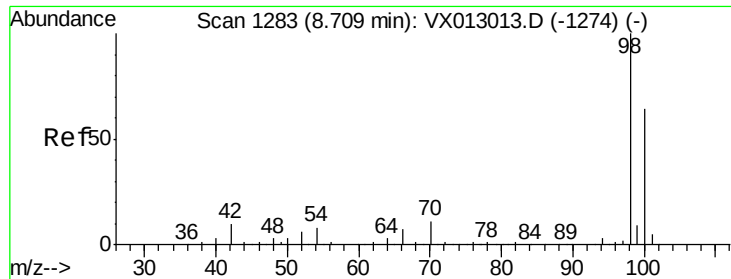


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

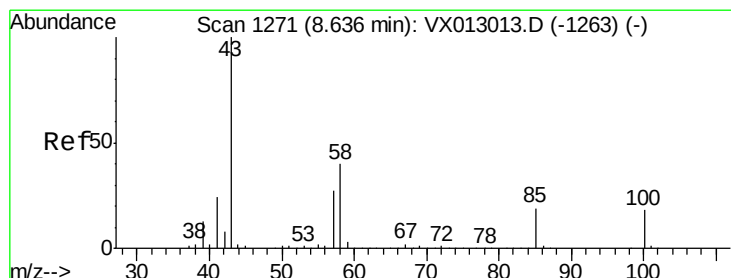
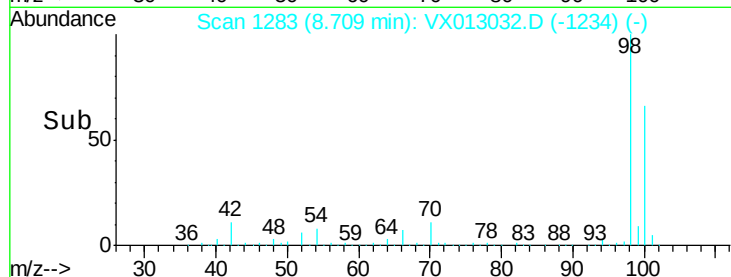
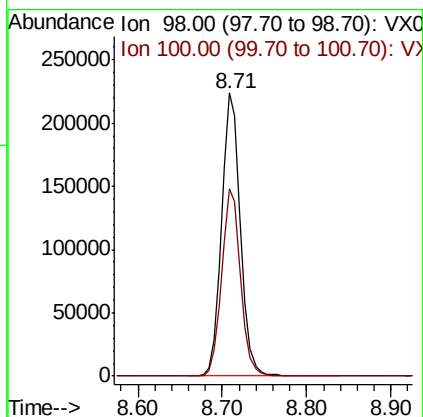
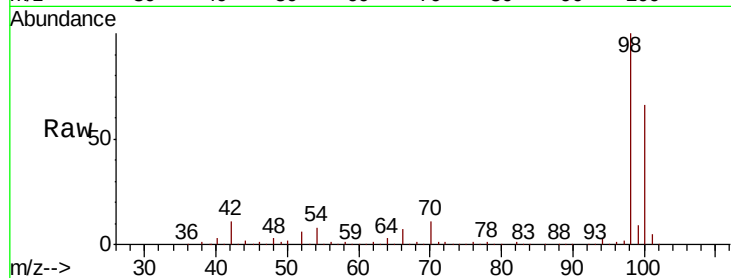




#50
Toluene-d8
Concen: 52.596 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

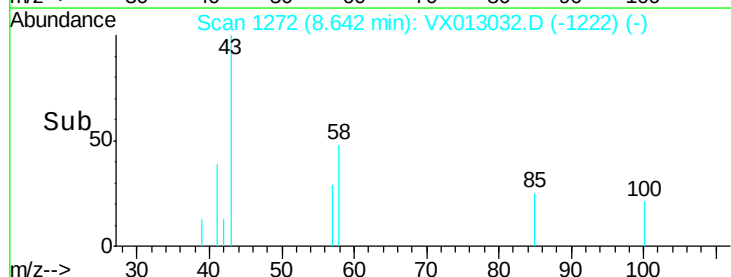
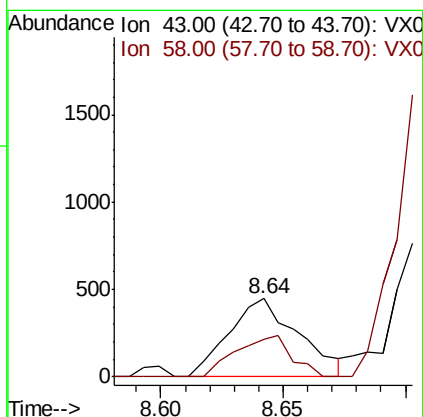
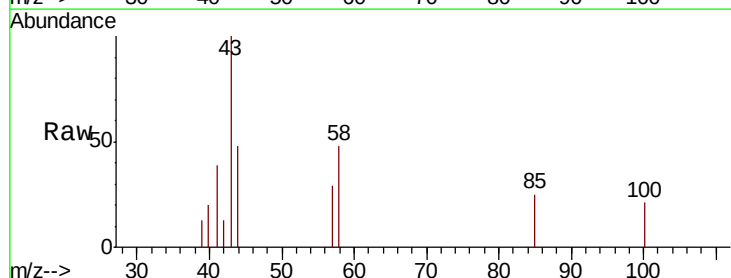
Instrument :
MSVOA_X
ClientSampleId :
HH-WATER

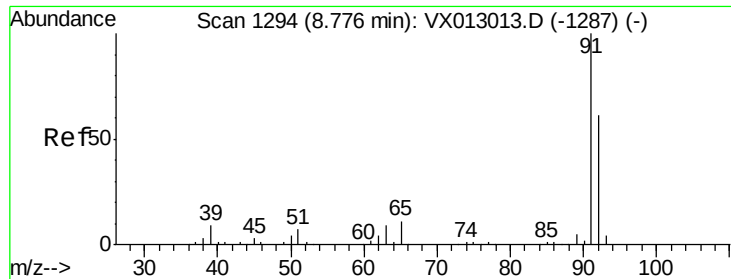
Tot Ion: 98 Resp: 344575
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.308 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 41.9 32.4 48.6





#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

Instrument :

MSVOA_X

ClientSampled :

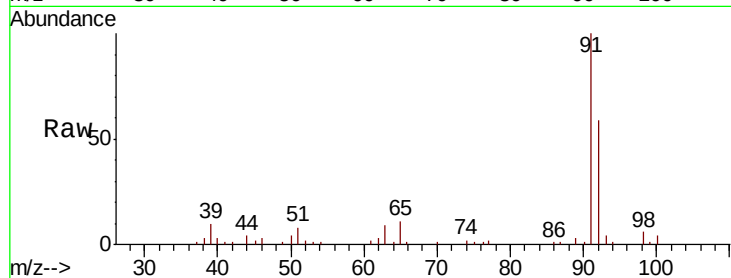
HH-WATER

Tot Ion: 92 Resp: 7141

Ion Ratio Lower Upper

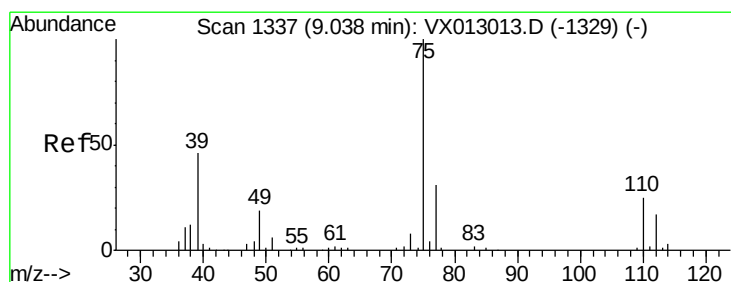
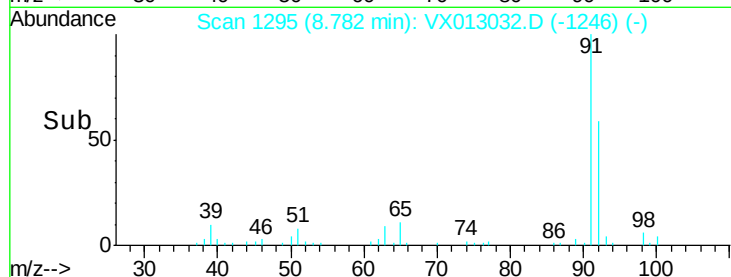
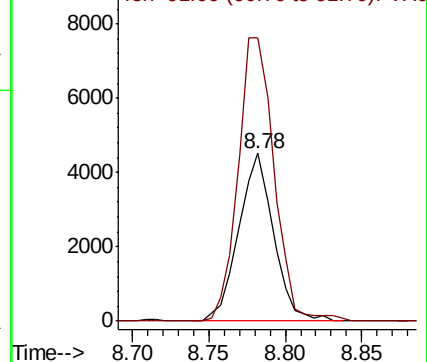
92 100

91 174.5 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.237 ug/l

RT: 9.04 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VX013032.D

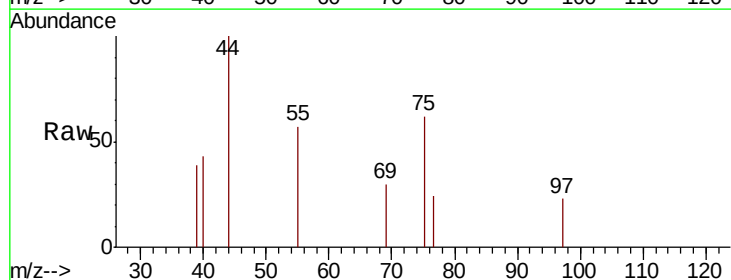
Acq: 11 Oct 2019 21:23

Tgt Ion: 75 Resp: 225

Ion Ratio Lower Upper

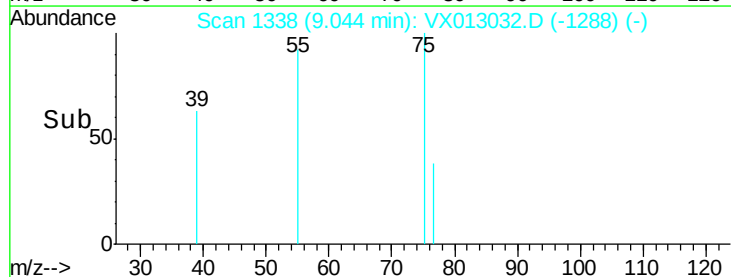
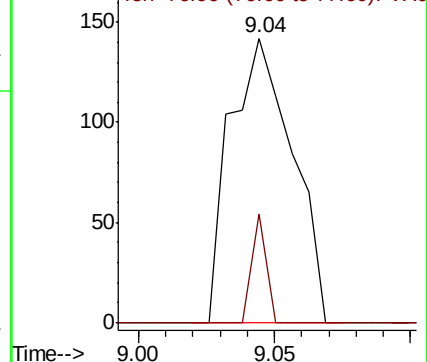
75 100

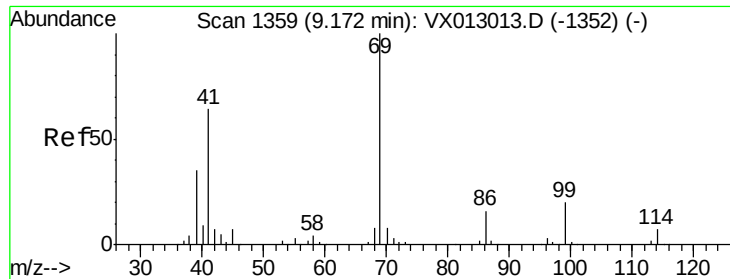
77 38.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#56

Ethyl methacrylate

Concen: 1.838 ug/l

RT: 9.04 min Scan# 1338

Delta R.T. -0.13 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

HH-WATER

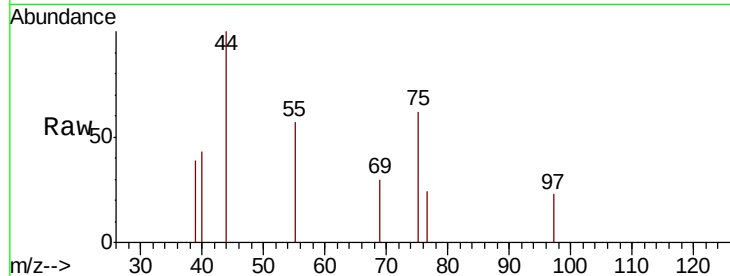
Tot Ion: 69 Resp: 25

Ion Ratio Lower Upper

69 100

41 84.0 52.1 78.1#

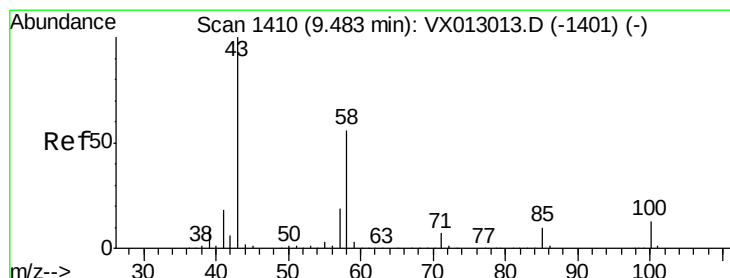
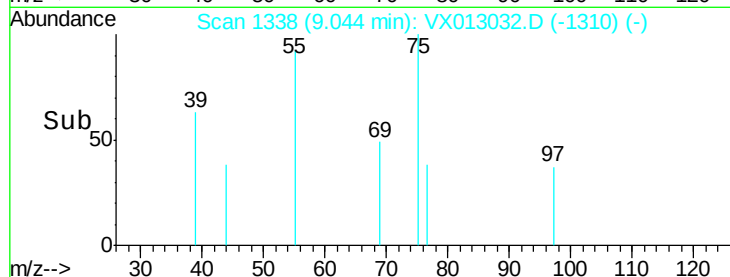
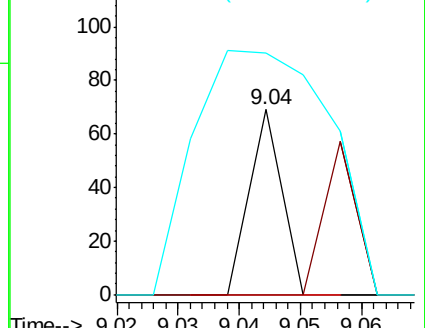
39 560.0 27.8 41.8#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.242 ug/l

RT: 9.51 min Scan# 1414

Delta R.T. 0.02 min

Lab File: VX013032.D

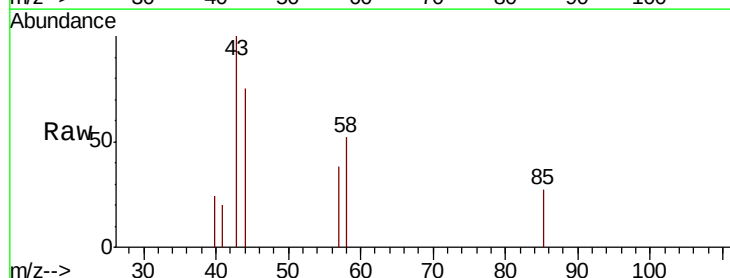
Acq: 11 Oct 2019 21:23

Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

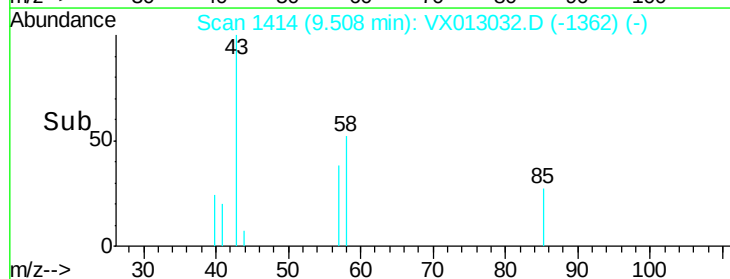
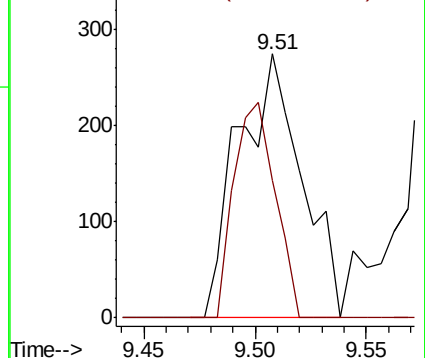
43 100

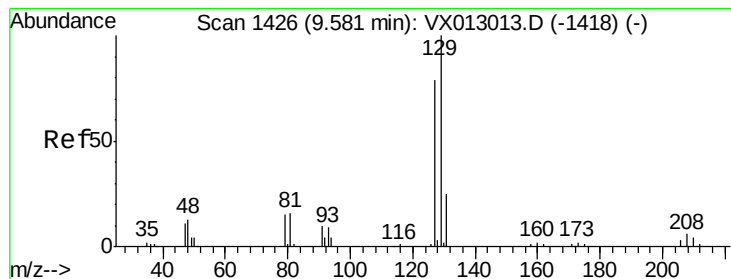
58 53.3 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.011 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampleId :

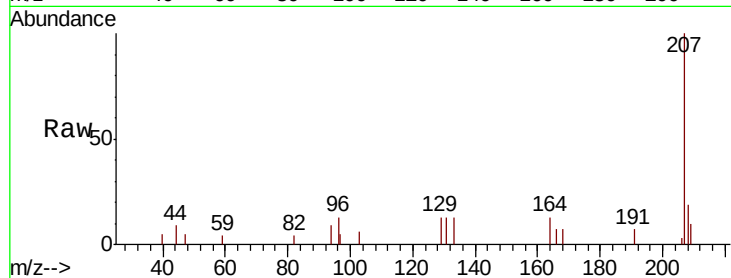
HH-WATER

Tot Ion:129 Resp: 342

Ion Ratio Lower Upper

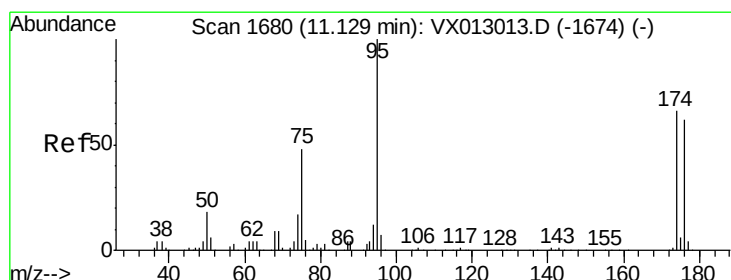
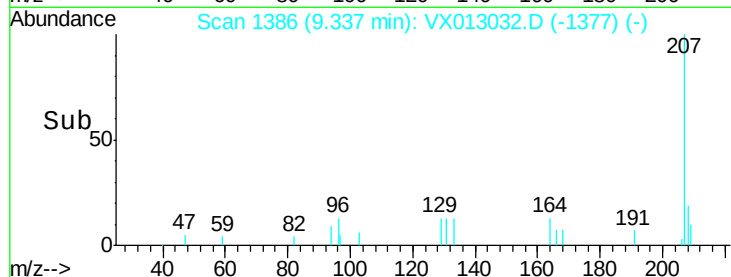
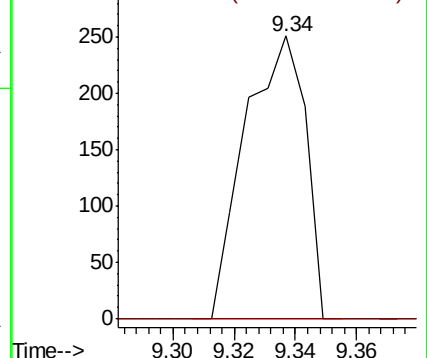
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#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

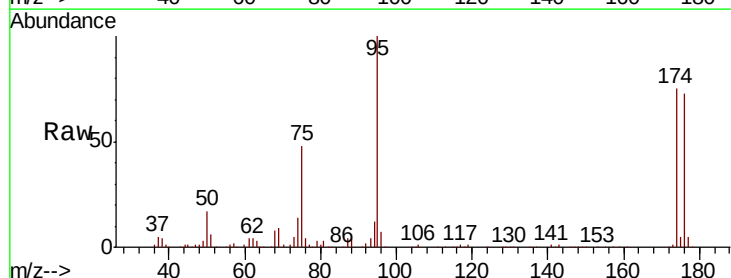
Tgt Ion: 95 Resp: 122226

Ion Ratio Lower Upper

95 100

174 71.1 0.0 143.4

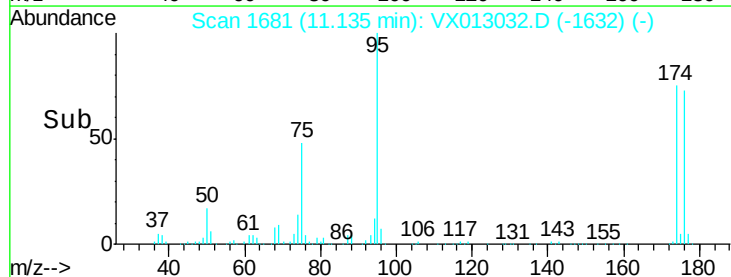
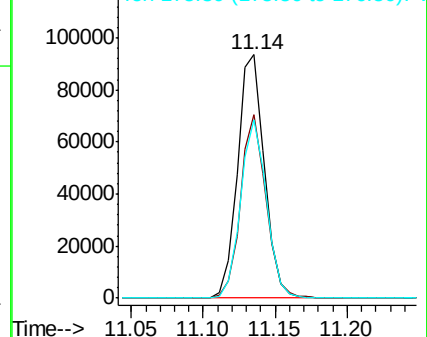
176 70.5 0.0 136.0

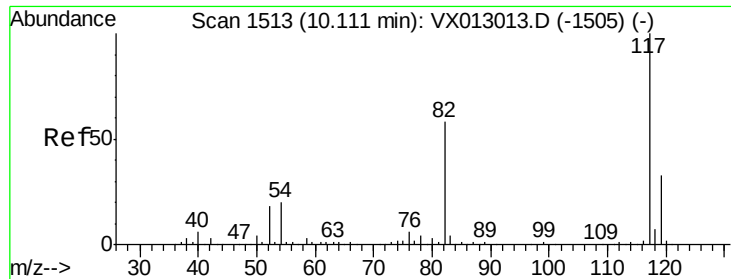


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

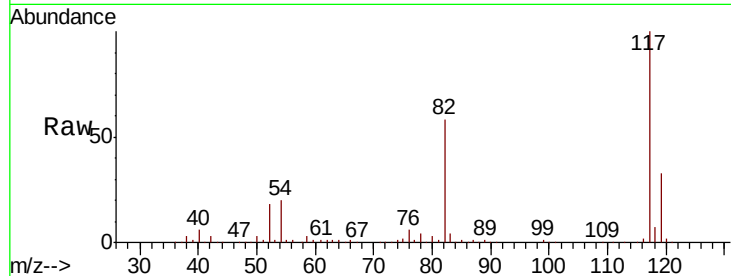




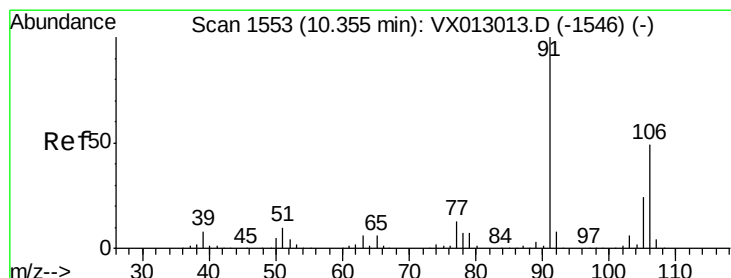
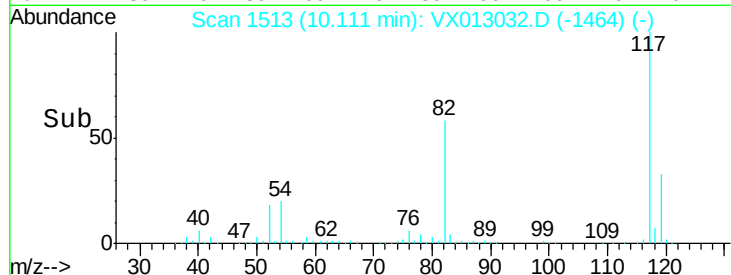
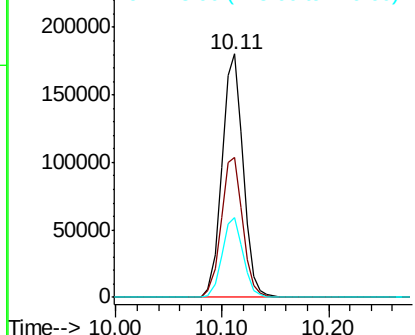
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Instrument :
MSVOA_X
ClientSampleId :
HH-WATER

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

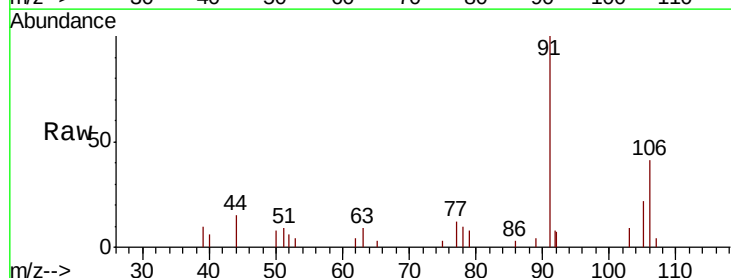


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

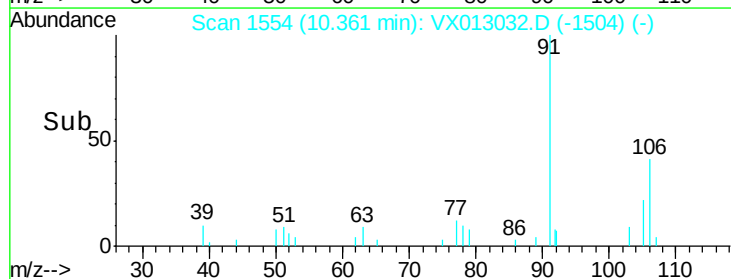
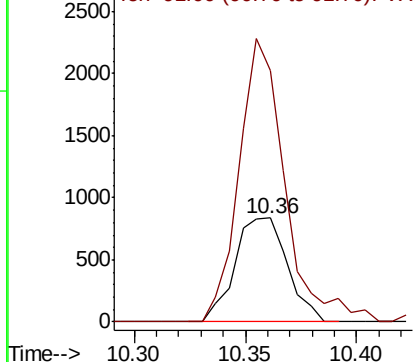


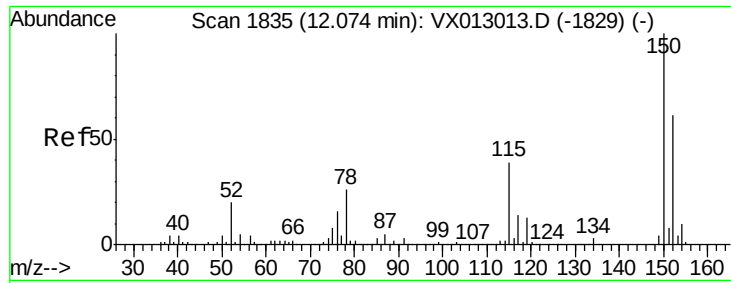
#68
m/p-Xylenes
Concen: 0.416 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion:106 Resp: 1375
Ion Ratio Lower Upper
106 100
91 240.1 165.3 247.9



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: 12.07 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

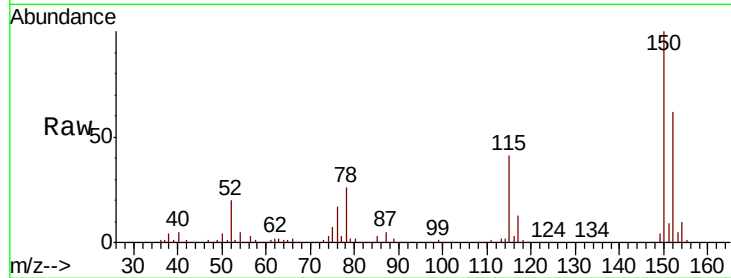
Tot Ion:152 Resp: 105043

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

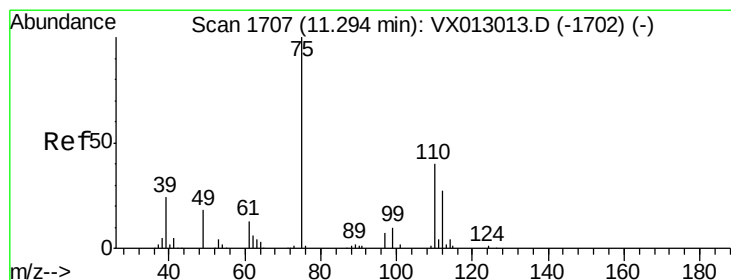
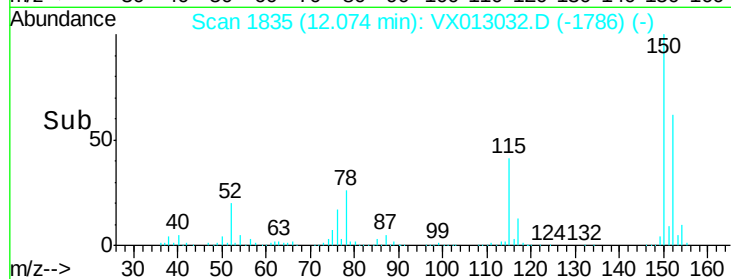
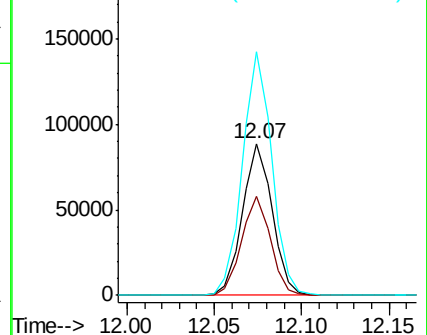
150 158.6 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 26.300 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013032.D

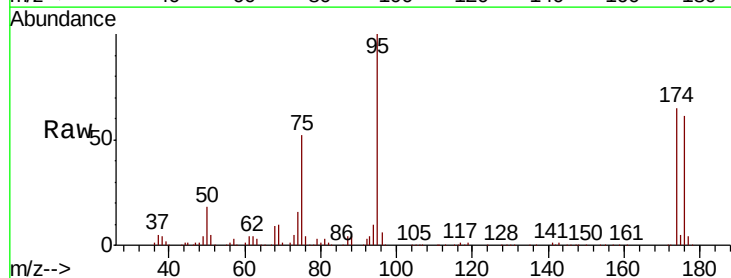
Acq: 11 Oct 2019 21:23

Tgt Ion: 75 Resp: 61274

Ion Ratio Lower Upper

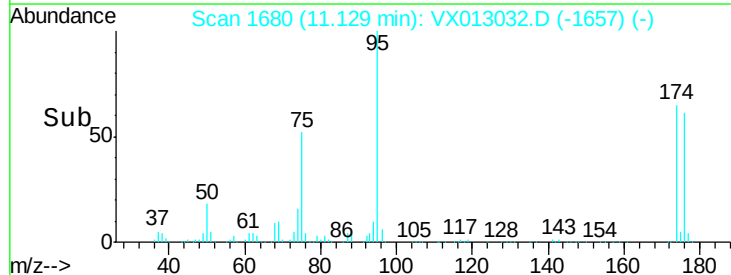
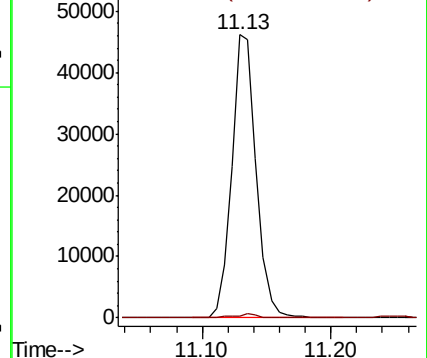
75 100

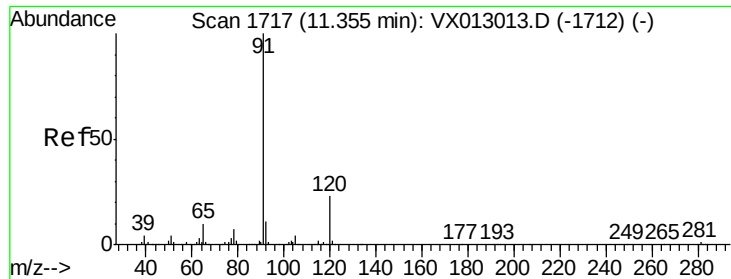
77 1.3 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

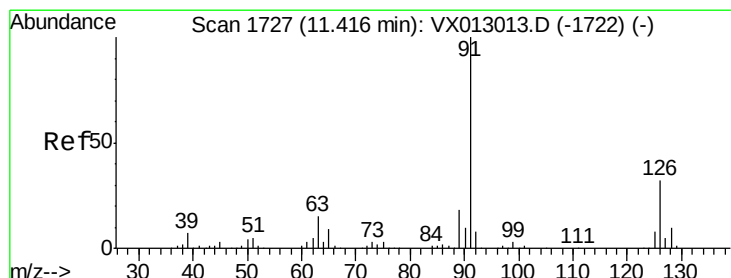
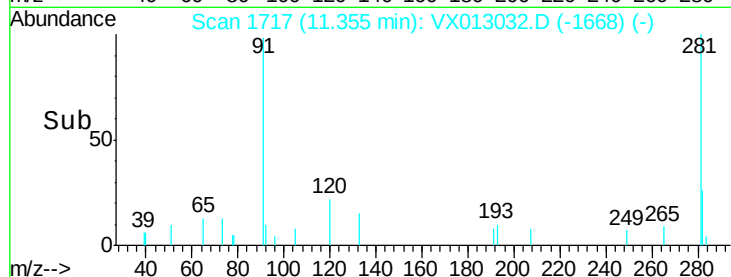
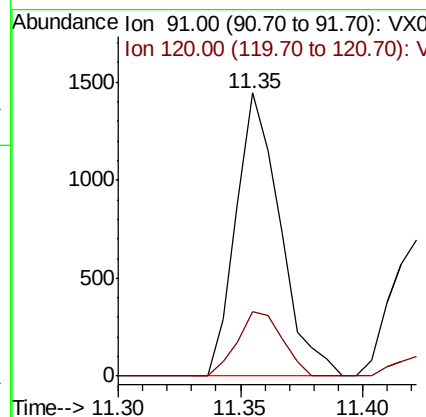
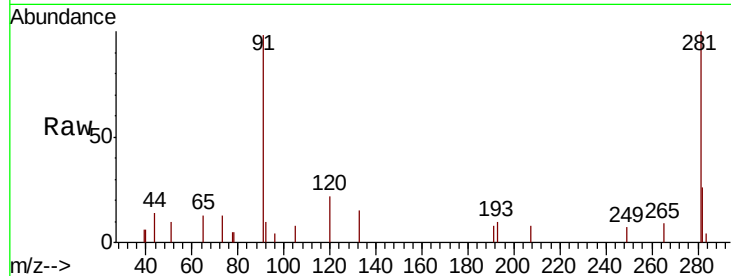




#78
n-propylbenzene
Concen: 0.213 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

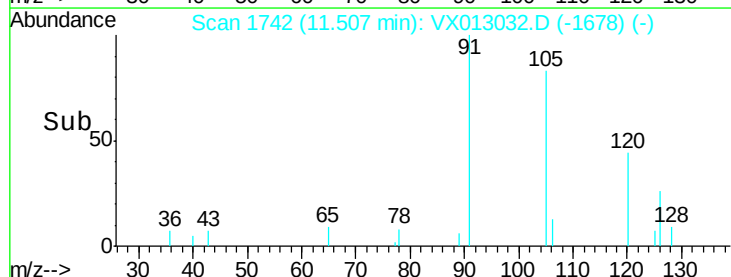
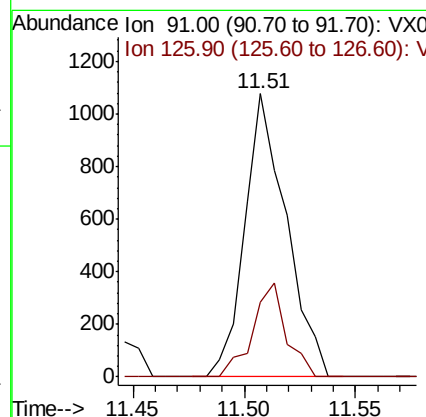
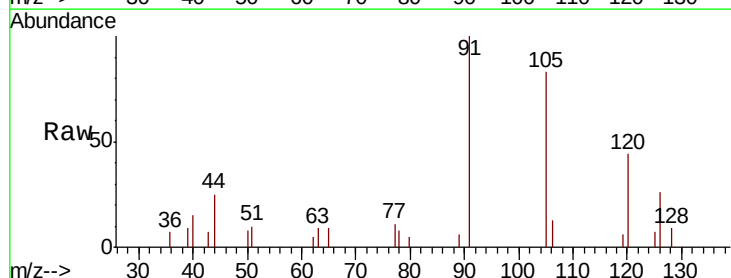
Instrument :
MSVOA_X
ClientSampleId :
HH-WATER

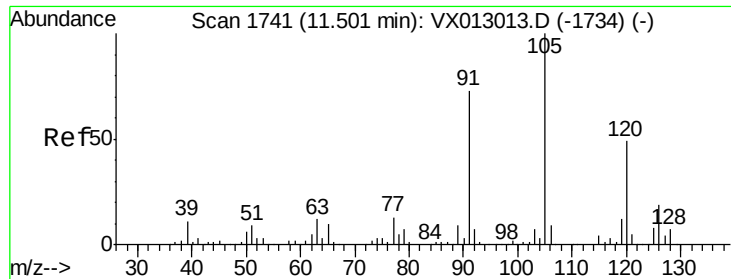
Tot Ion: 91 Resp: 1813
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.1



#79
2-Chlorotoluene
Concen: 0.262 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.09 min
Lab File: VX013032.D
Acq: 11 Oct 2019 21:23

Tgt Ion: 91 Resp: 1398
Ion Ratio Lower Upper
91 100
126 26.8 16.3 48.8

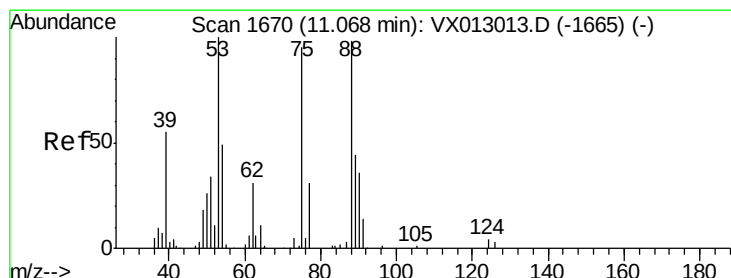
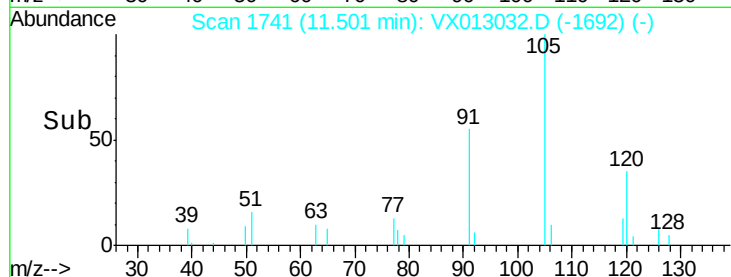
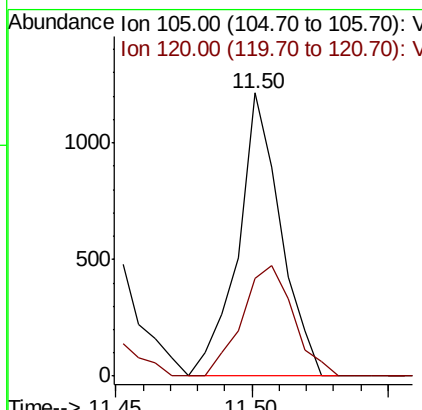
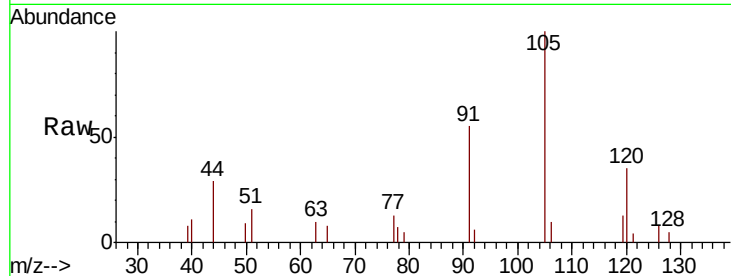




#80
 1,3,5-Trimethylbenzene
 Concen: 0.205 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

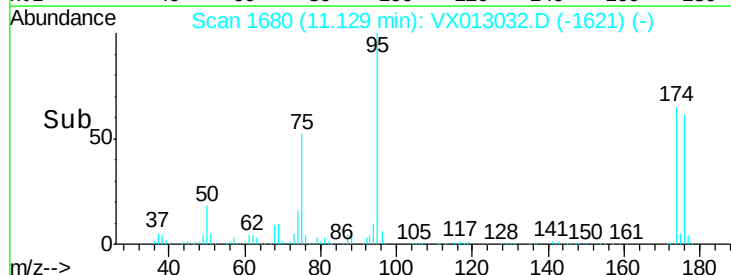
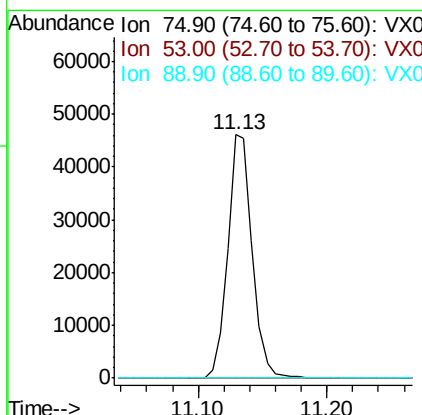
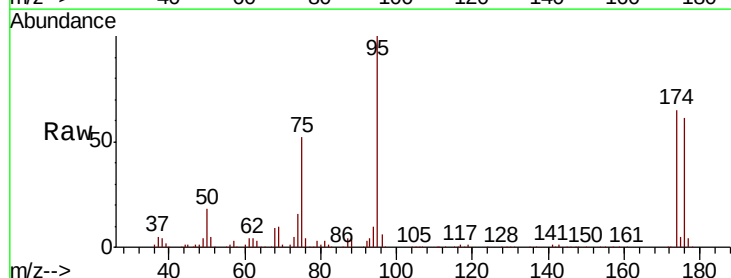
Instrument :
 MSVOA_X
 ClientSampled :
 HH-WATER

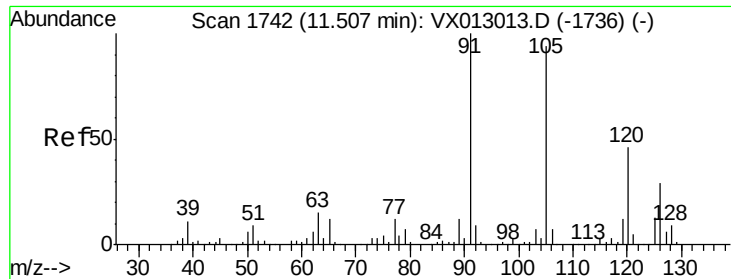
Tot Ion:105 Resp: 1319
 Ion Ratio Lower Upper
 105 100
 120 47.0 24.8 74.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.189 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Tgt Ion: 75 Resp: 61274
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.4 56.2#

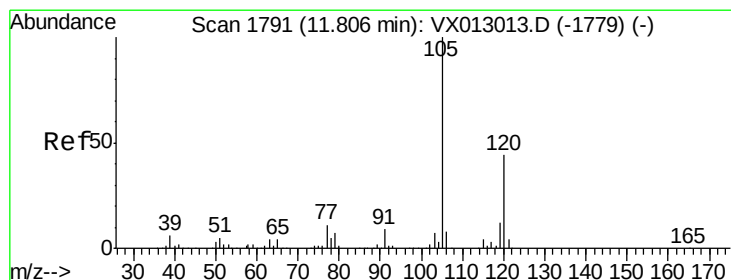
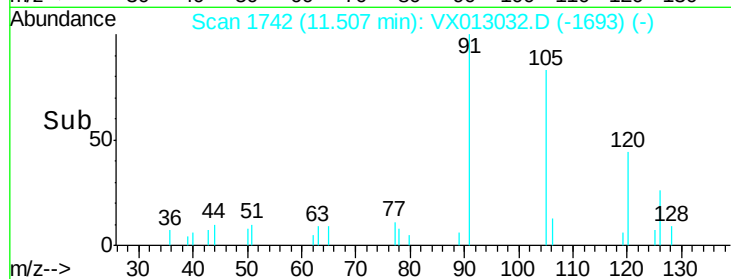
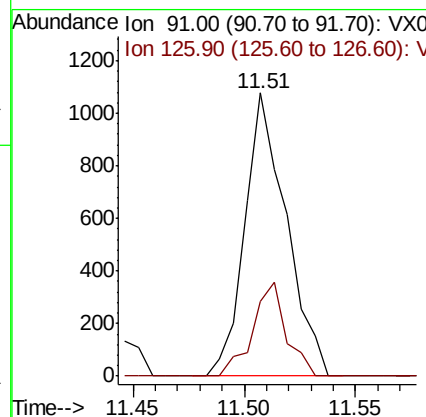
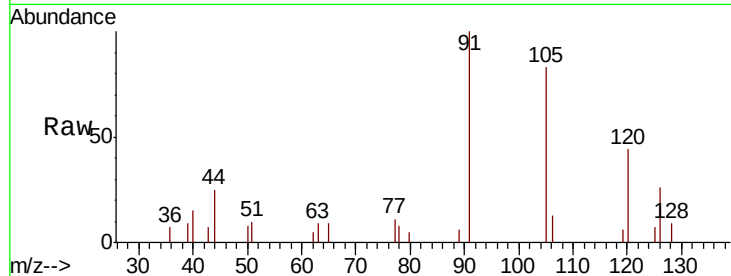




#82
 4-Chlorotoluene
 Concen: 0.228 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

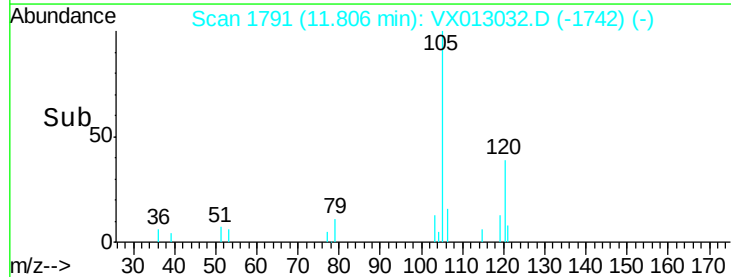
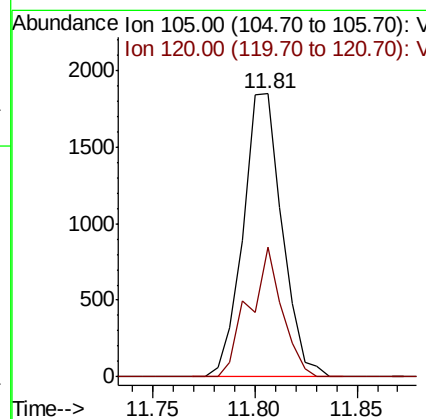
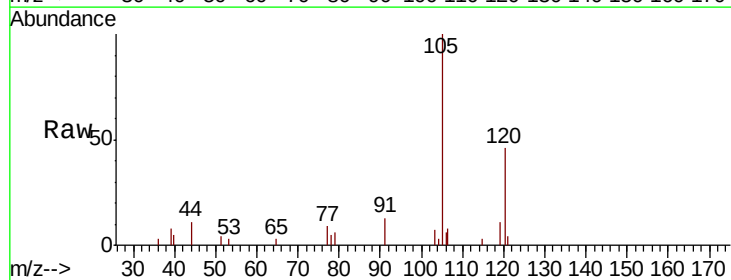
Instrument :
 MSVOA_X
 ClientSampleId :
 HH-WATER

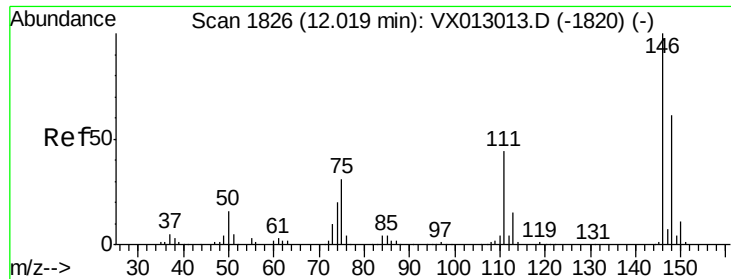
Tot Ion: 91 Resp: 1398
 Ion Ratio Lower Upper
 91 100
 126 26.8 14.2 42.6



#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

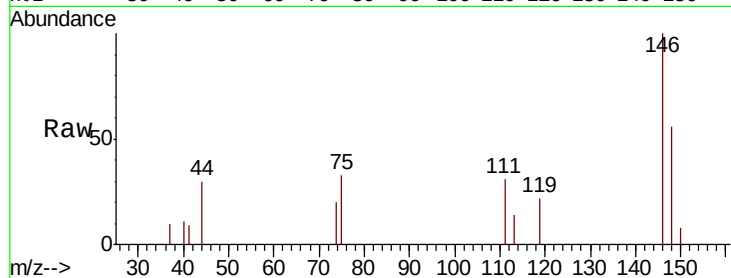




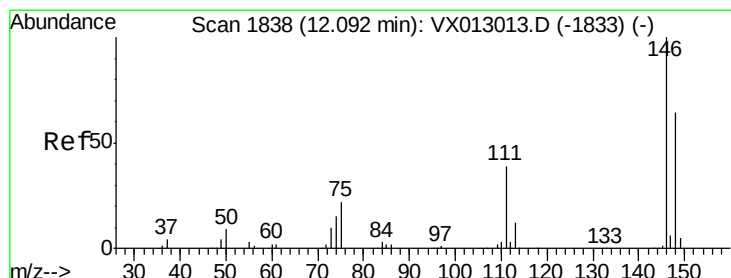
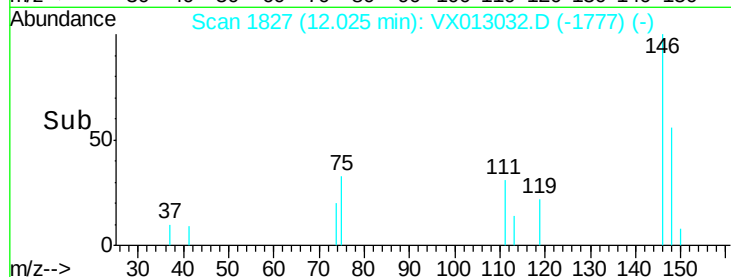
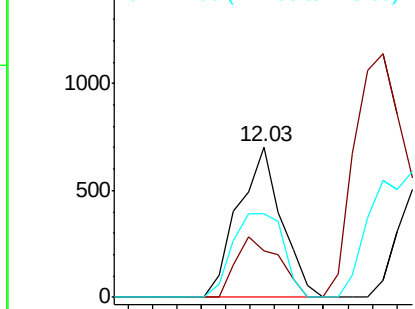
#87
 1,3-Dichlorobenzene
 Concen: 0.258 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Instrument :
 MSVOA_X
 ClientSampled :
 HH-WATER

Tot Ion:146 Resp: 871
 Ion Ratio Lower Upper
 146 100
 111 39.6 21.1 63.4
 148 65.2 31.6 95.0

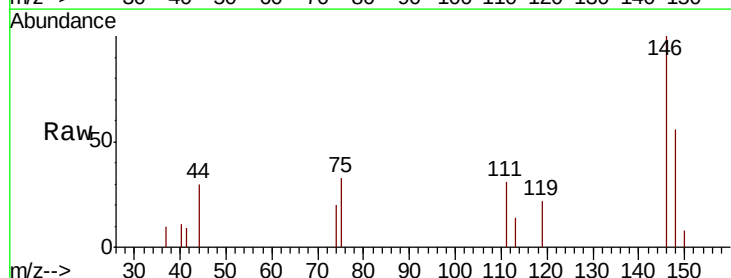


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

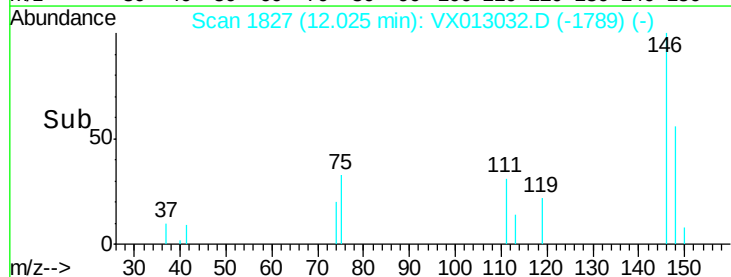
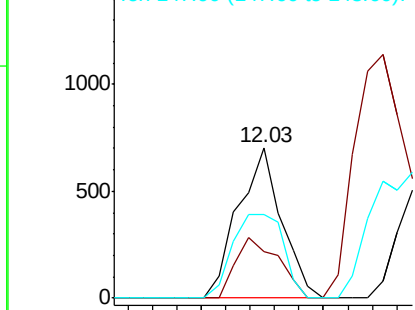


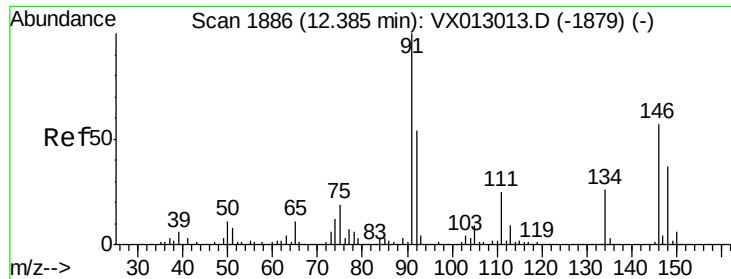
#88
 1,4-Dichlorobenzene
 Concen: 0.254 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. -0.07 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Tgt Ion:146 Resp: 871
 Ion Ratio Lower Upper
 146 100
 111 39.6 21.4 64.3
 148 65.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.283 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

HH-WATER

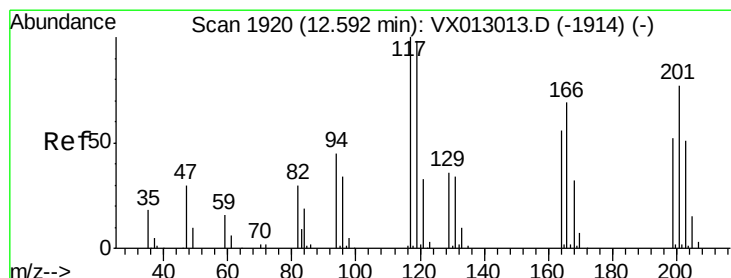
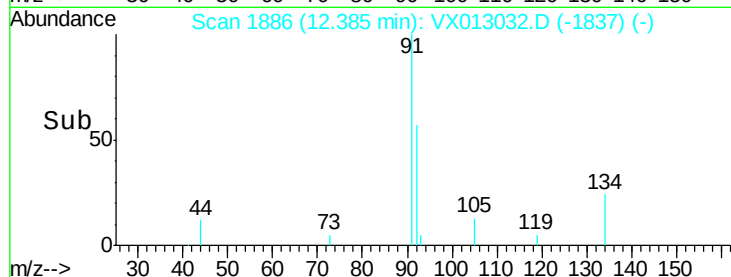
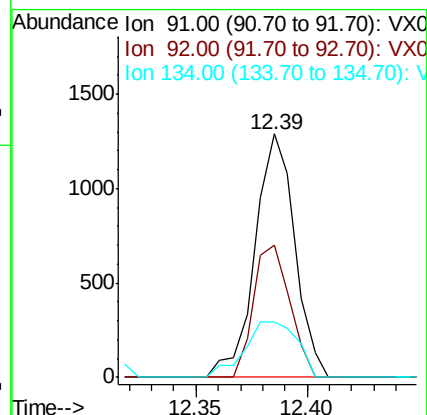
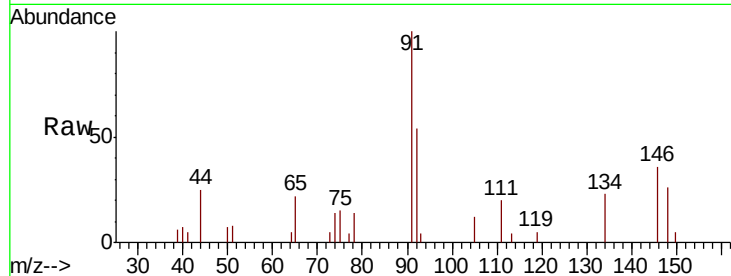
Tot Ion: 91 Resp: 1608

Ion Ratio Lower Upper

91 100

92 49.6 27.5 82.5

134 29.9 12.9 38.7



#90

Hexachloroethane

Concen: 2.192 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VX013032.D

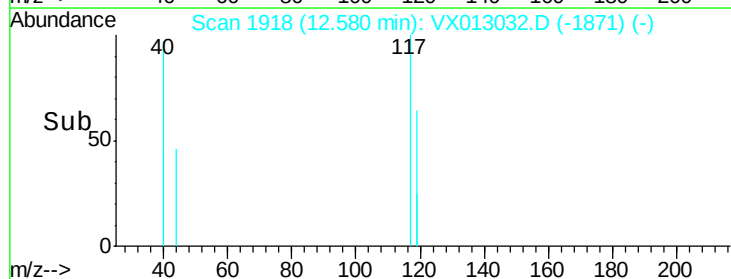
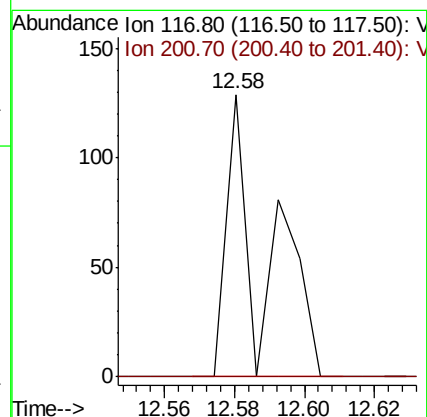
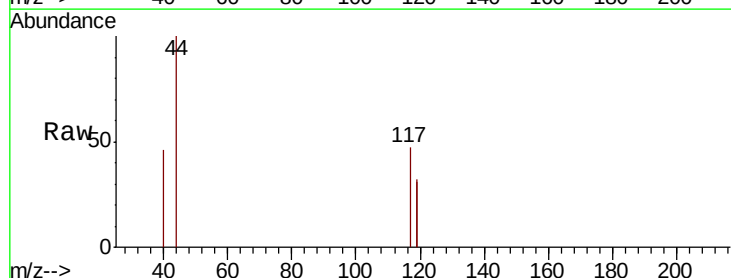
Acq: 11 Oct 2019 21:23

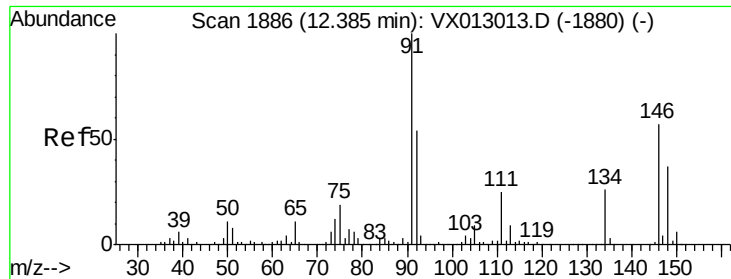
Tgt Ion: 117 Resp: 97

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#

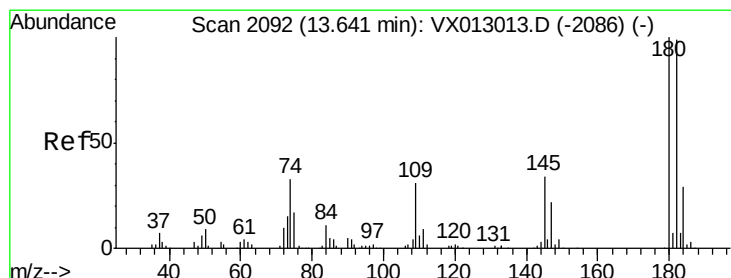
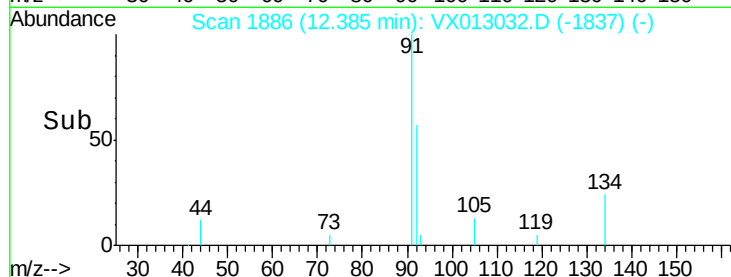
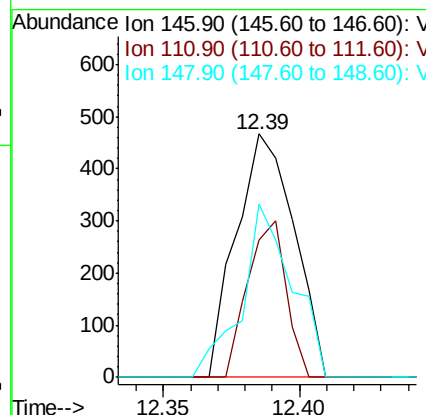
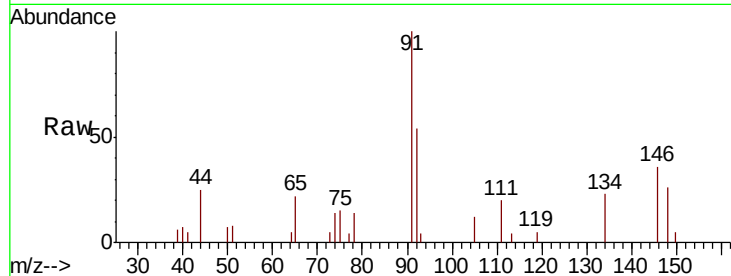




#91
 1,2-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

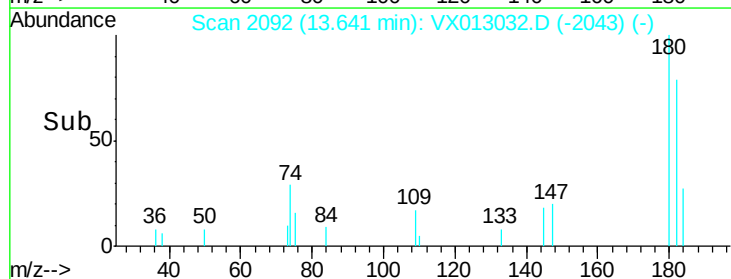
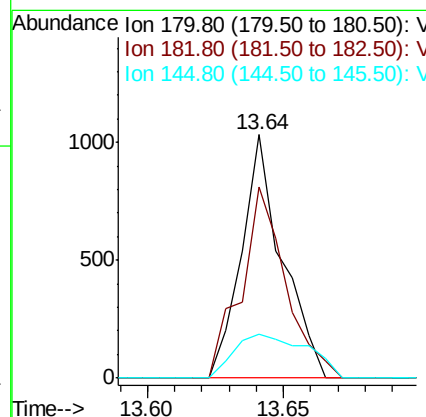
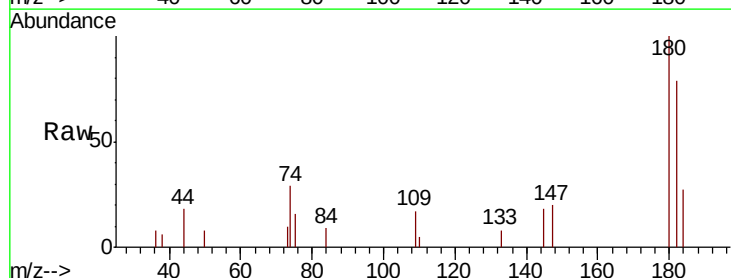
Instrument :
 MSVOA_X
 ClientSampled :
 HH-WATER

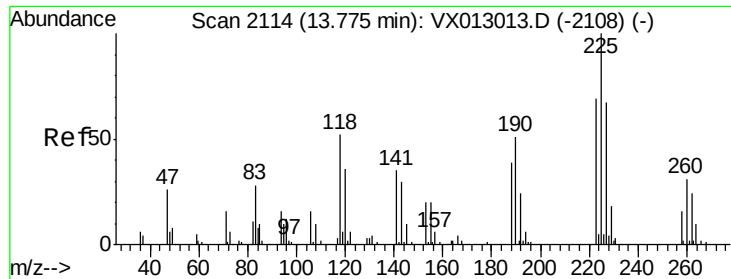
Tot Ion:146 Resp: 689
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.7 68.0
 148 62.0 31.6 94.7



#93
 1,2,4-Trichlorobenzene
 Concen: 0.514 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Tgt Ion:180 Resp: 1067
 Ion Ratio Lower Upper
 180 100
 182 86.3 46.8 140.4
 145 32.1 16.2 48.6





#94

Hexachlorobutadiene

Concen: 0.373 ug/l

RT: 13.78 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VX013032.D

Acq: 11 Oct 2019 21:23

Instrument :

MSVOA_X

ClientSampled :

HH-WATER

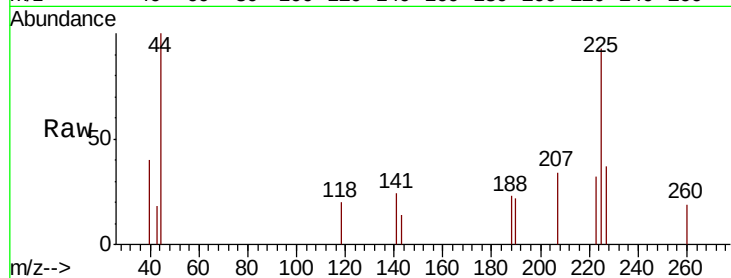
Tot Ion:225 Resp: 357

Ion Ratio Lower Upper

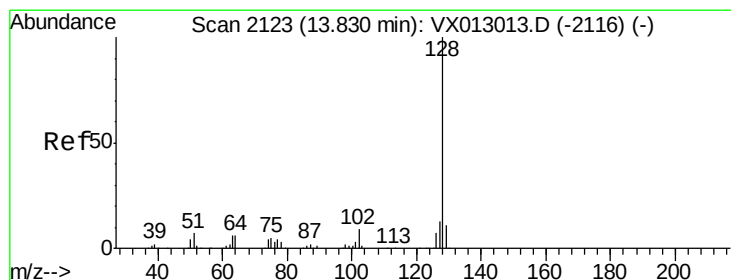
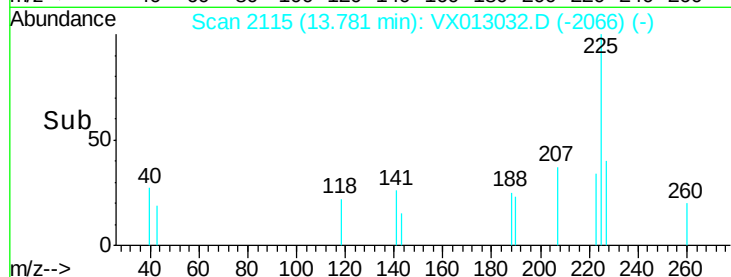
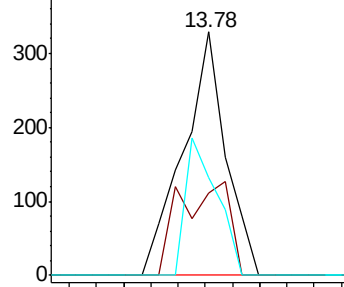
225 100

223 44.5 31.1 93.2

227 41.5 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): 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

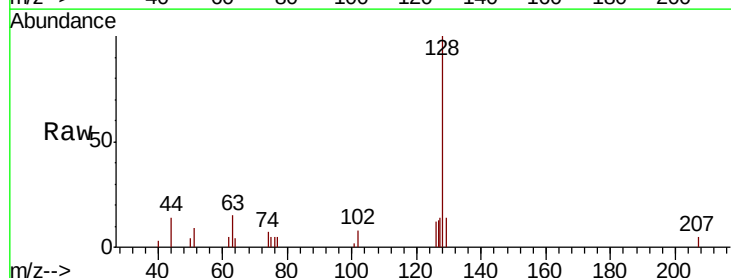
Tgt Ion:128 Resp: 3256

Ion Ratio Lower Upper

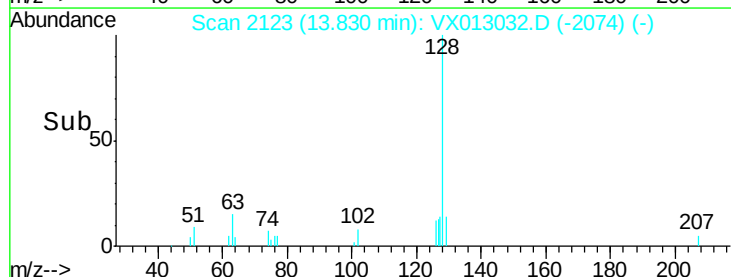
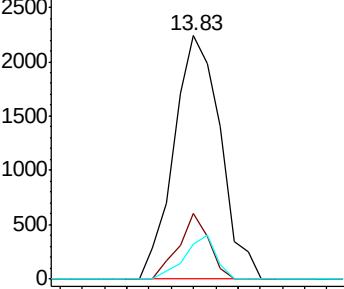
128 100

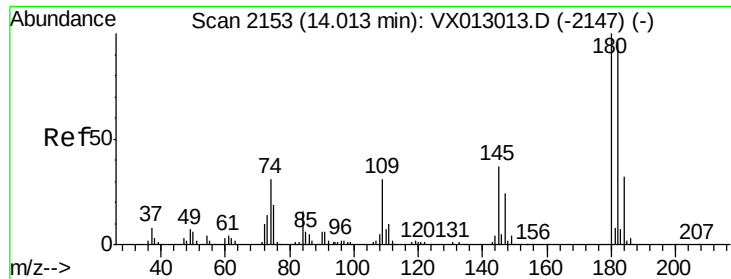
127 17.8 10.2 15.4#

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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.405 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX013032.D
 Acq: 11 Oct 2019 21:23

Instrument :
 MSVOA_X
 ClientSampleId :
 HH-WATER

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.5	142.5
145	45.5	17.4	52.3

