

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032720\
 Data File : VX015383.D
 Acq On : 27 Mar 2020 15:51
 Operator : JC/SP
 Sample : L2012-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GHD1-GW-03-17

Quant Time: Mar 30 01:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1142844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1884512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1775646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	923939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	751779	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	5.47	113	585227	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.70	98	2290516	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.12	95	972419	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	

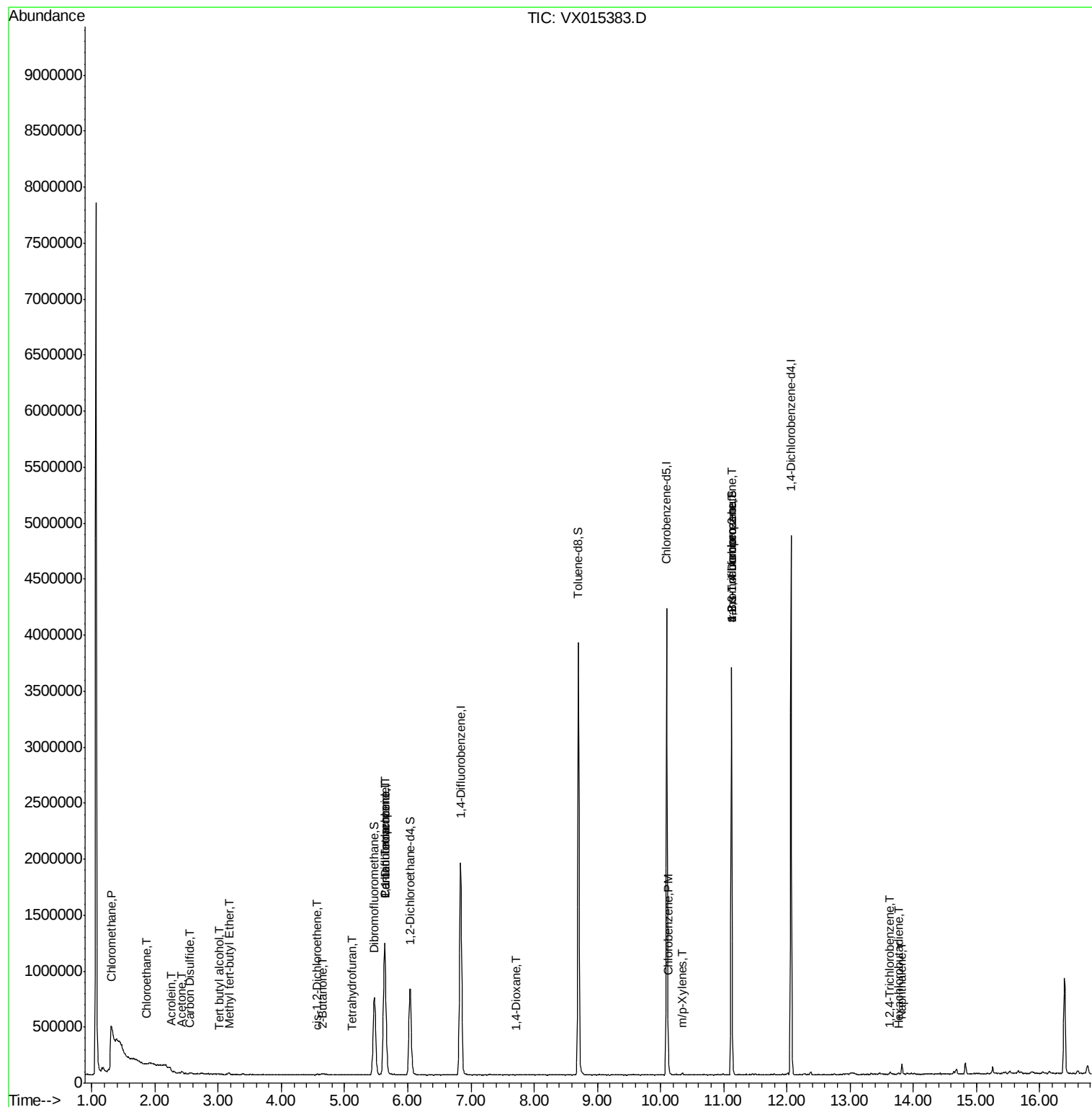
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	26777	2.088	ug/l #	70
5) Bromomethane	1.64	94	1505	Below Cal		84
6) Chloroethane	1.87	64	4180	0.572	ug/l #	57
11) Tert butyl alcohol	3.01	59	4621	1.198	ug/l #	73
13) Acrolein	2.27	56	1173	0.534	ug/l #	14
16) Acetone	2.42	43	23573	3.404	ug/l	90
17) Carbon Disulfide	2.56	76	15478	0.470	ug/l #	93
19) Methyl tert-butyl Ether	3.17	73	12945	0.309	ug/l #	81
25) 2-Butanone	4.66	43	6322	0.568	ug/l #	87
27) cis-1,2-Dichloroethene	4.57	96	3249	0.235	ug/l	94
29) Tetrahydrofuran	5.12	42	2427	0.339	ug/l #	59
36) 1,1-Dichloropropene	5.64	75	90058	5.187	ug/l #	51
38) Carbon Tetrachloride	5.64	117	110669	5.885	ug/l #	14
49) 1,4-Dioxane	7.72	88	539	1.516	ug/l #	6
65) Chlorobenzene	10.12	112	20344	0.574	ug/l #	87
68) m/p-Xylenes	10.34	106	4718	0.202	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	498624	26.243	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	498624	62.970	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.63	180	5194	0.232	ug/l #	84
94) Hexachlorobutadiene	13.77	225	2461	0.231	ug/l	94
95) Naphthalene	13.82	128	56420	0.827	ug/l	98

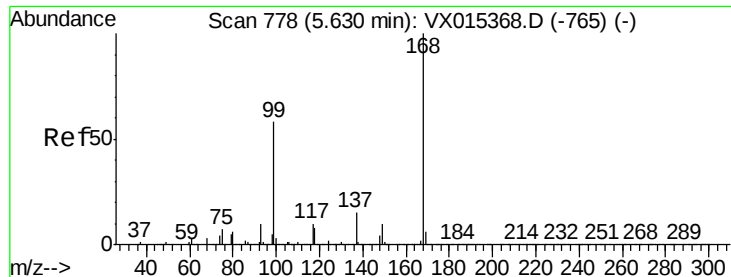
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032720\
Data File : VX015383.D
Acq On : 27 Mar 2020 15:51
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Quant Time: Mar 30 01:44:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

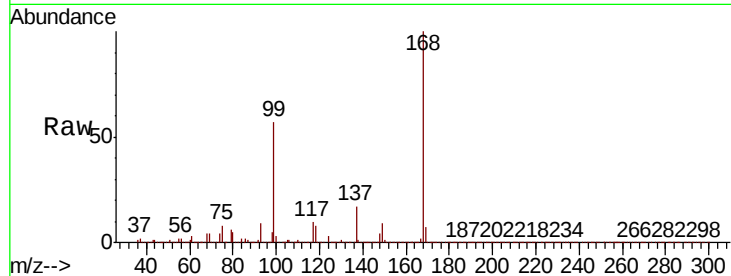
GHD1-GW-03-17

Tot Ion:168 Resp: 1142844

Ion Ratio Lower Upper

168 100

99 57.3 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

200000

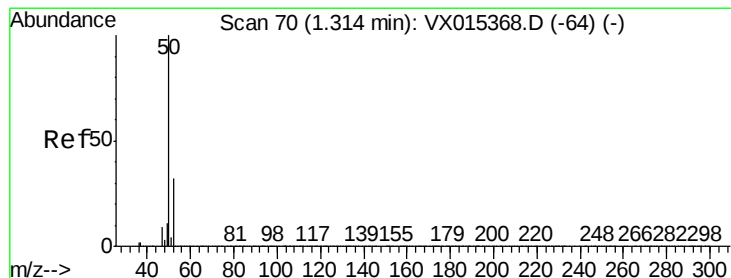
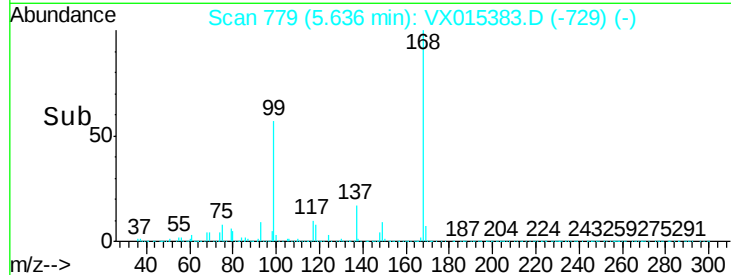
100000

0

5.60

5.80

Time-->



#3

Chloromethane

Concen: 2.088 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015383.D

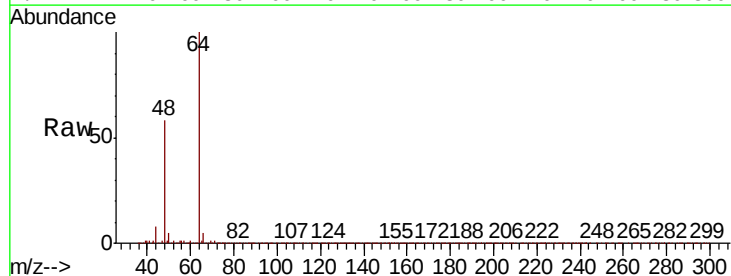
Acq: 27 Mar 2020 15:51

Tgt Ion: 50 Resp: 26777

Ion Ratio Lower Upper

50 100

52 14.7 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

15000

10000

5000

0

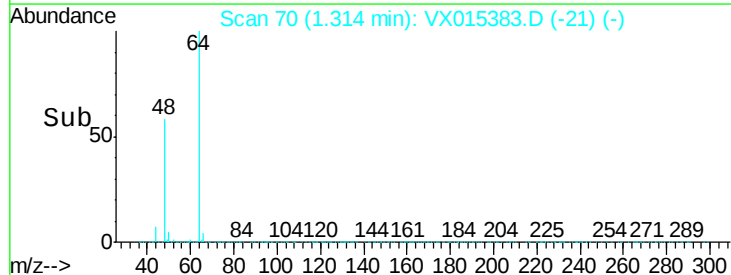
1.20

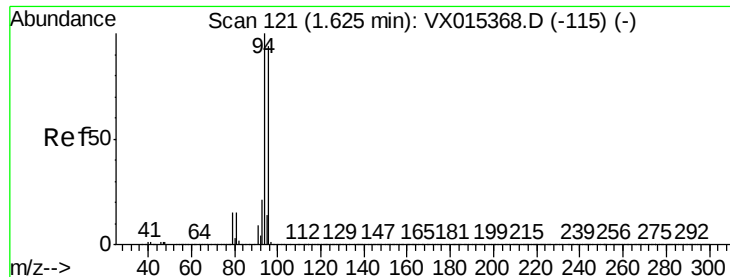
1.25

1.30

1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

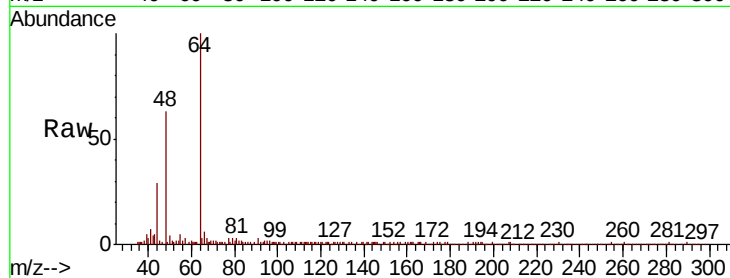
GHD1-GW-03-17

Tot Ion: 94 Resp: 1505

Ion Ratio Lower Upper

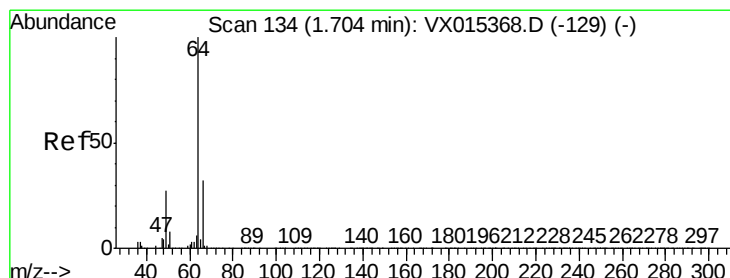
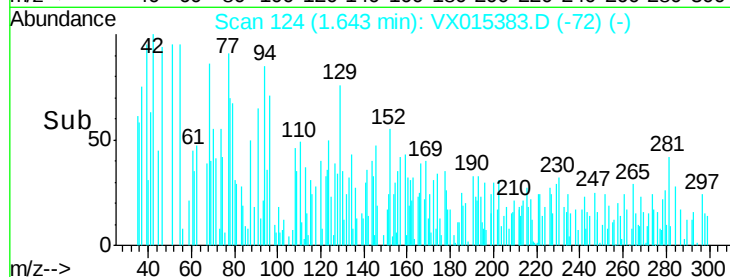
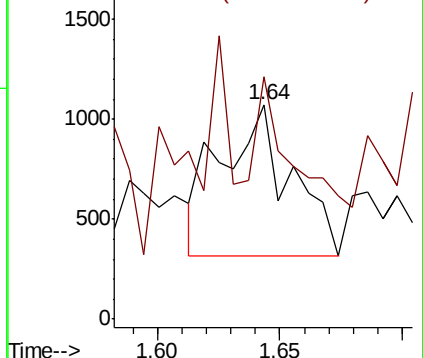
94 100

96 78.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.572 ug/l

RT: 1.87 min Scan# 161

Delta R.T. 0.16 min

Lab File: VX015383.D

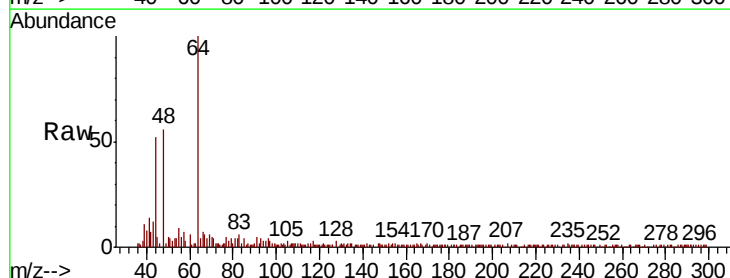
Acq: 27 Mar 2020 15:51

Tgt Ion: 64 Resp: 4180

Ion Ratio Lower Upper

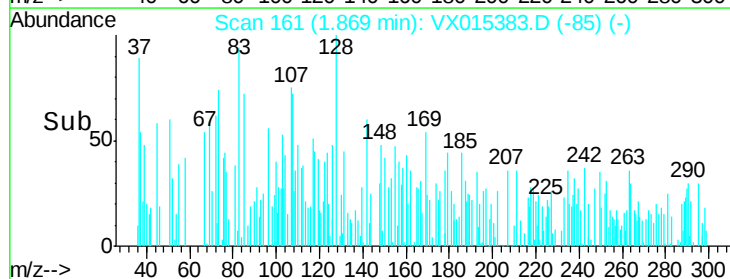
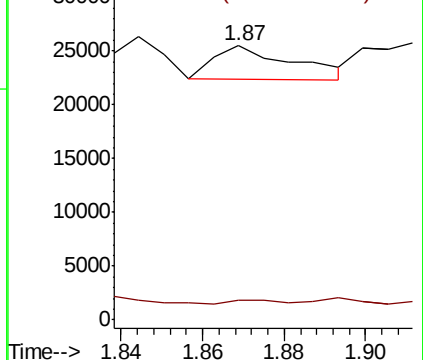
64 100

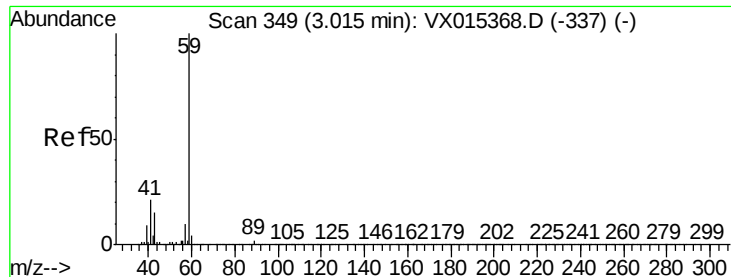
66 7.6 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

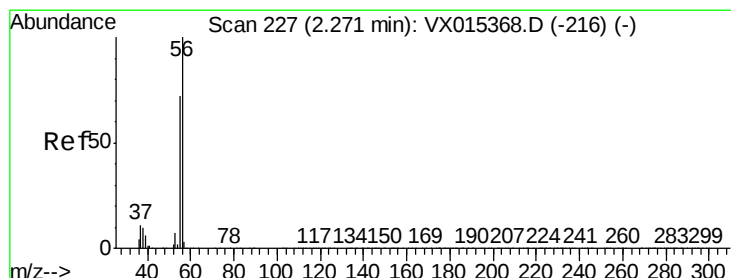
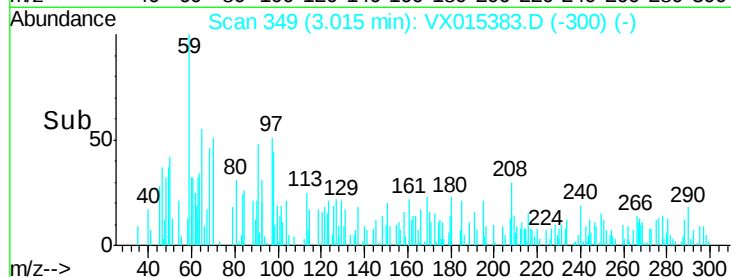
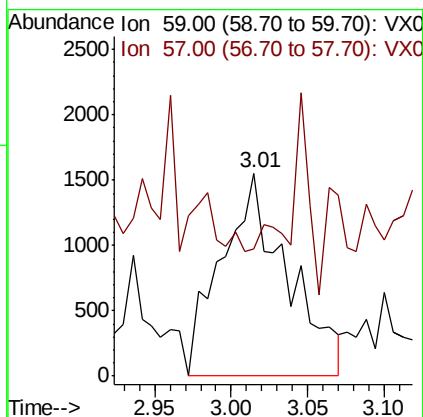
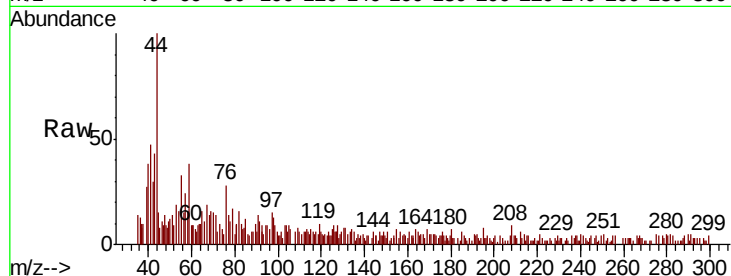




#11
Tert butyl alcohol
Concen: 1.198 ug/l
RT: 3.01 min Scan# 349
Delta R.T. 0.00 min
Lab File: VX015383.D
Acq: 27 Mar 2020 15:51

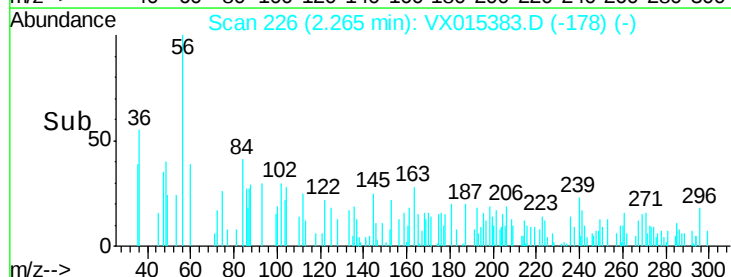
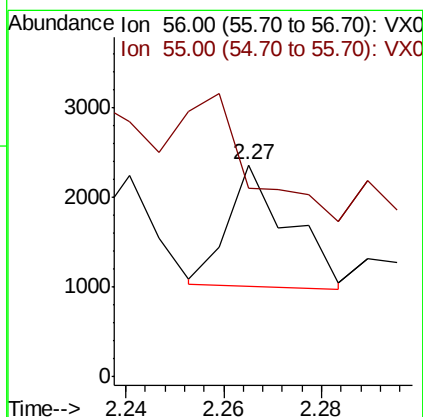
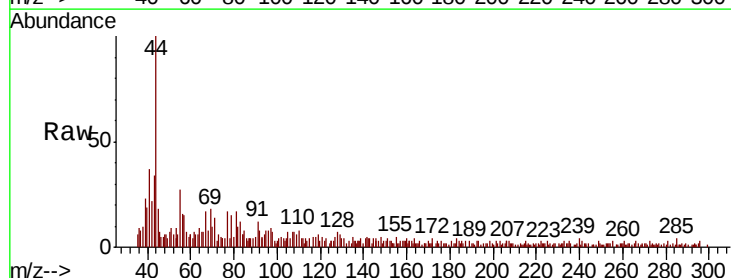
Instrument :
MSVOA_X
ClientSampleId :
GHD1-GW-03-17

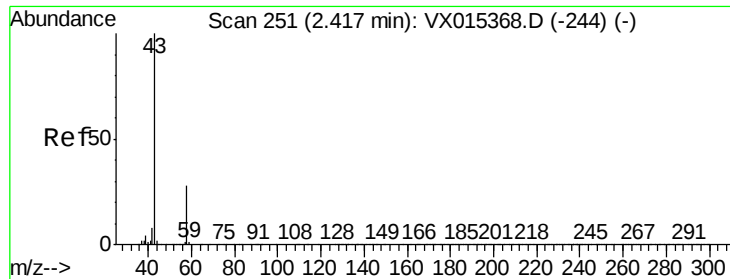
Tot Ion: 59 Resp: 4621
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.534 ug/l
RT: 2.27 min Scan# 226
Delta R.T. -0.01 min
Lab File: VX015383.D
Acq: 27 Mar 2020 15:51

Tgt Ion: 56 Resp: 1173
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#





#16

Acetone

Concen: 3.404 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

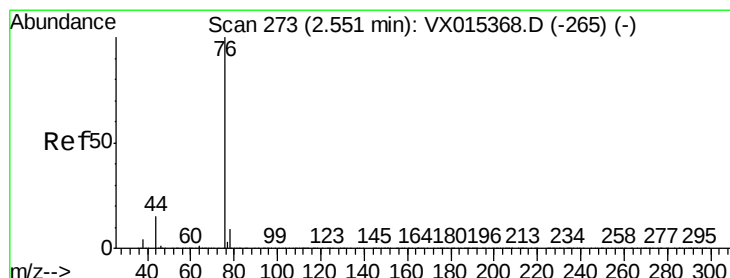
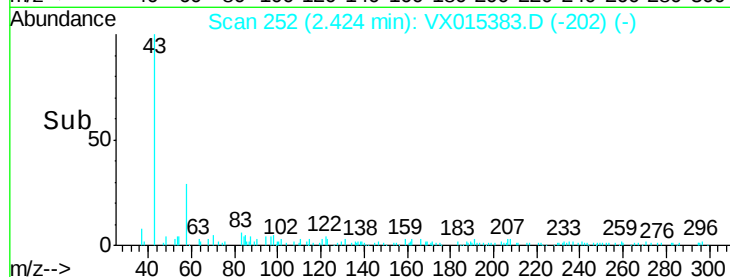
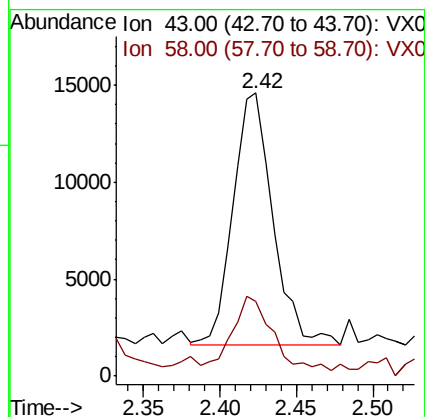
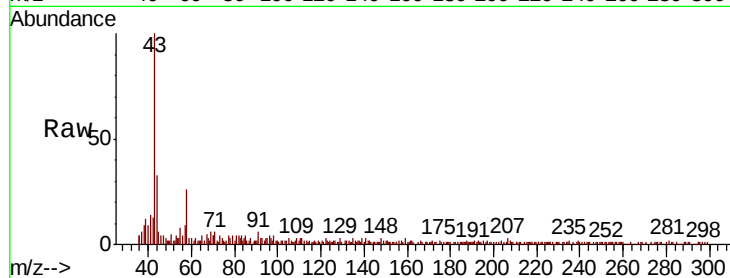
GHD1-GW-03-17

Tot Ion: 43 Resp: 23573

Ion Ratio Lower Upper

43 100

58 22.5 22.1 33.1



#17

Carbon Disulfide

Concen: 0.470 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX015383.D

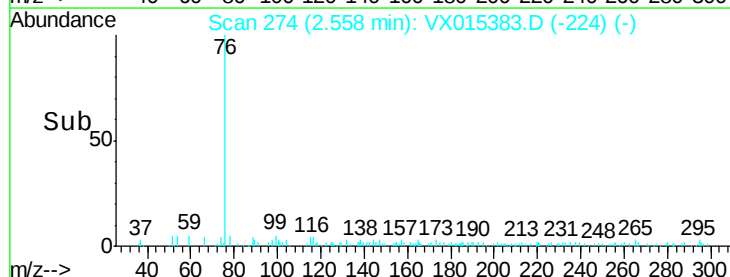
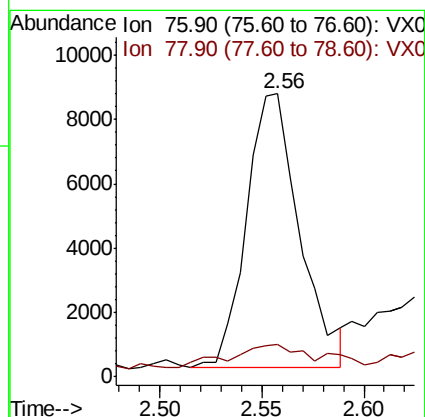
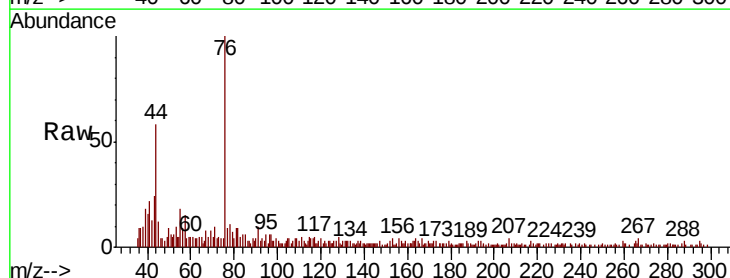
Acq: 27 Mar 2020 15:51

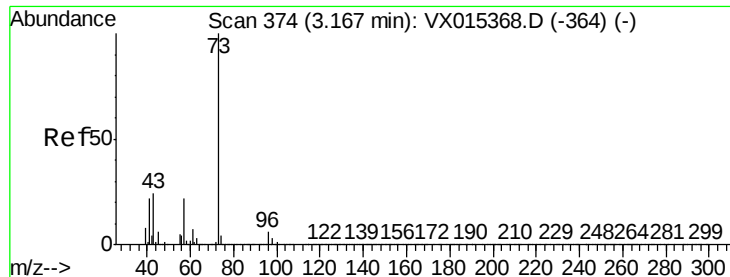
Tgt Ion: 76 Resp: 15478

Ion Ratio Lower Upper

76 100

78 6.5 7.1 10.7#



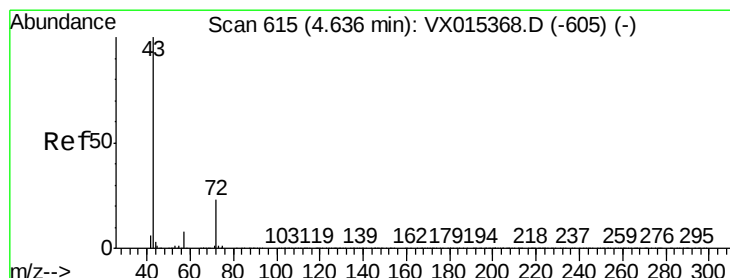
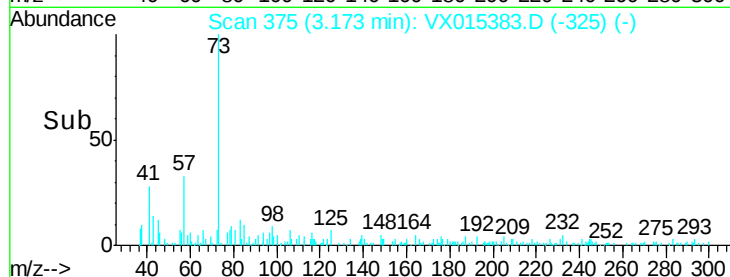
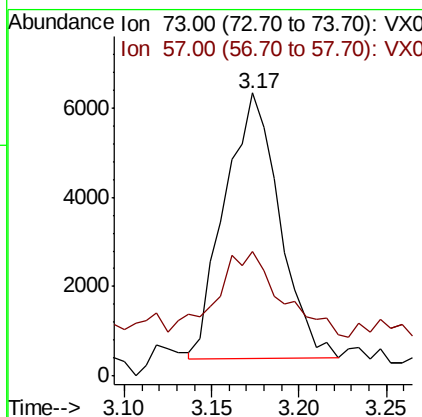
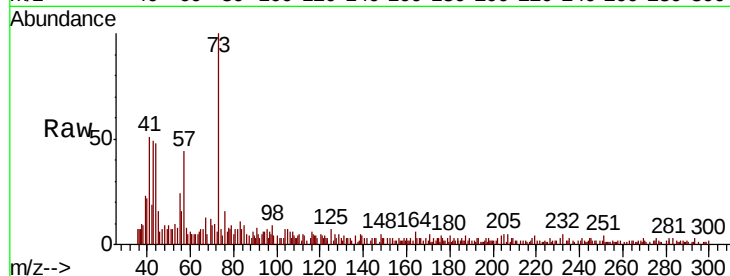


#19

Methyl tert-butyl Ether
 Concen: 0.309 ug/l
 RT: 3.17 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

Instrument :
 MSVOA_X
 ClientSampleId :
 GHD1-GW-03-17

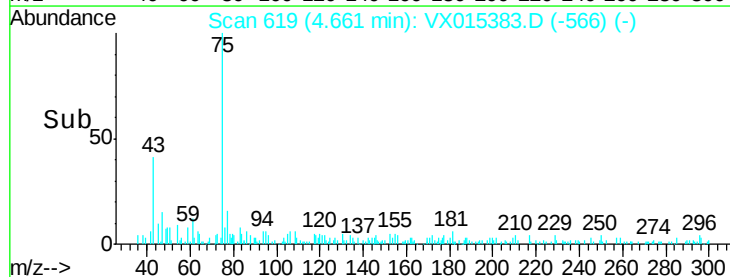
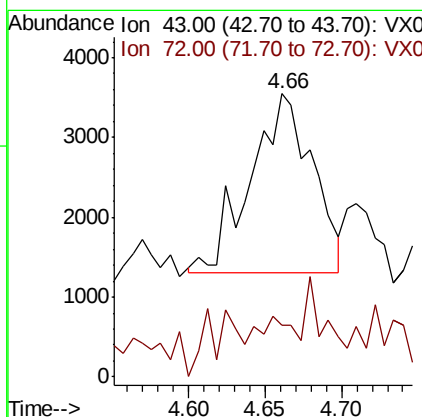
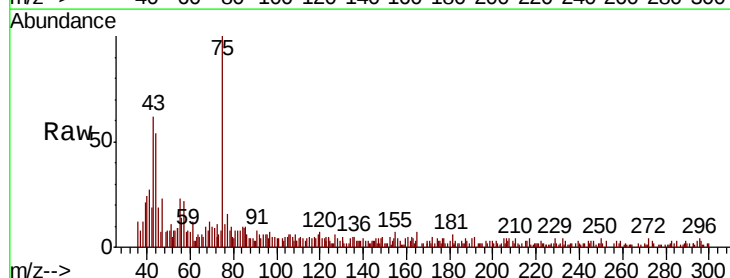
Tot Ion: 73 Resp: 12945
 Ion Ratio Lower Upper
 73 100
 57 31.4 17.9 26.9#

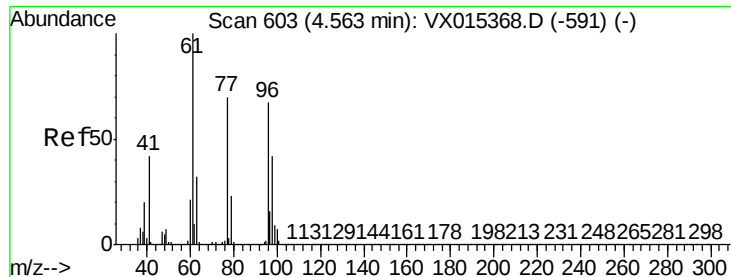


#25

2-Butanone
 Concen: 0.568 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.02 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

Tgt Ion: 43 Resp: 6322
 Ion Ratio Lower Upper
 43 100
 72 29.9 19.0 28.4#



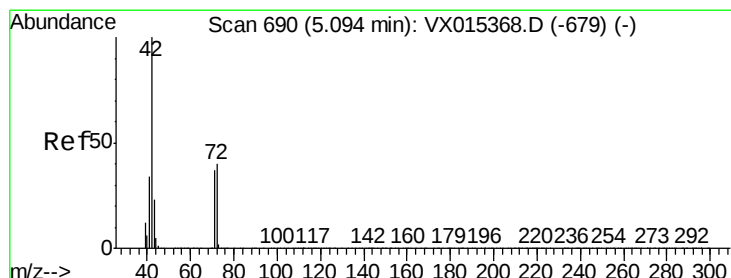
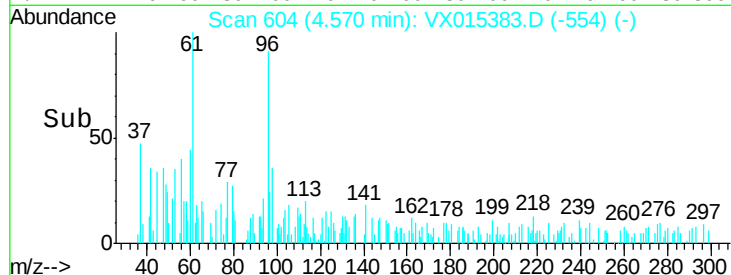
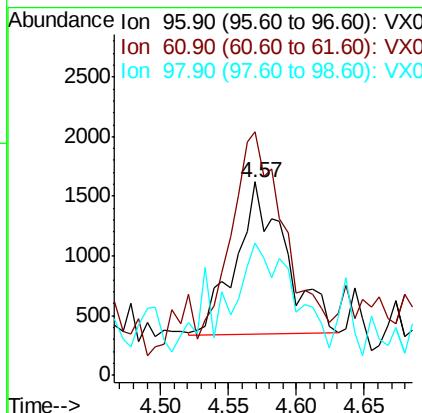
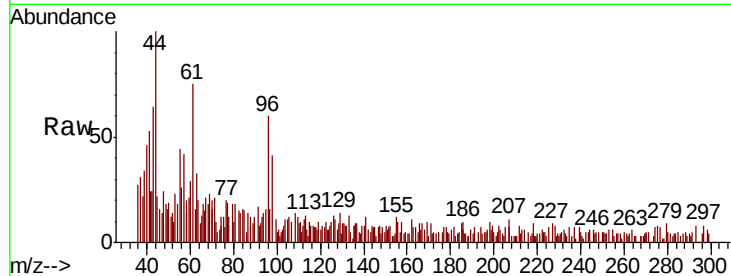


#27

cis-1,2-Dichloroethene
 Concen: 0.235 ug/l
 RT: 4.57 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

Instrument :
 MSVOA_X
 ClientSampleId :
 GHD1-GW-03-17

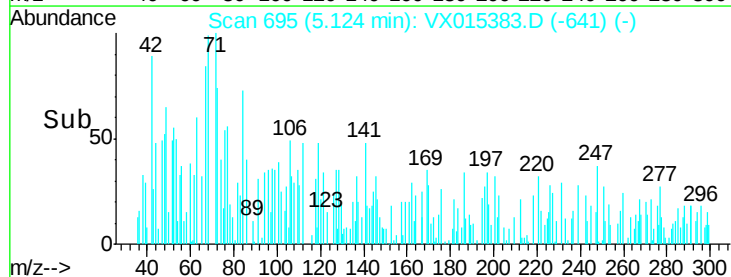
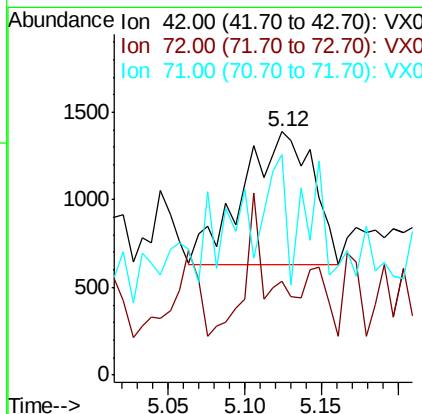
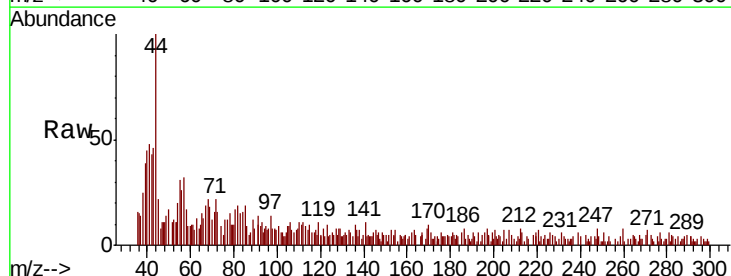
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	308.4
98	66.8	0.0	129.2

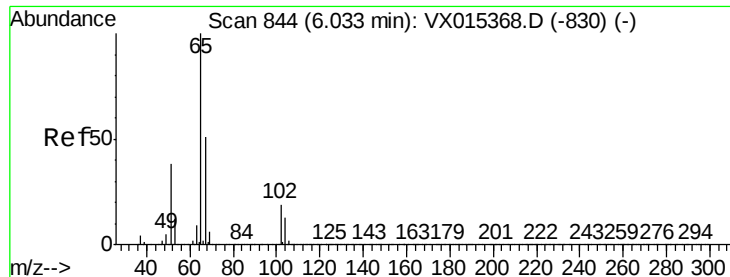


#29

Tetrahydrofuran
 Concen: 0.339 ug/l
 RT: 5.12 min Scan# 695
 Delta R.T. 0.03 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	27.1	29.6	44.4#





#33

1,2-Dichloroethane-d4

Concen: 46.641 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

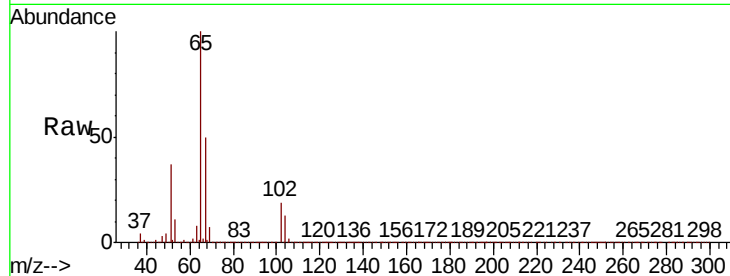
GHD1-GW-03-17

Tot Ion: 65 Resp: 751779

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

300000

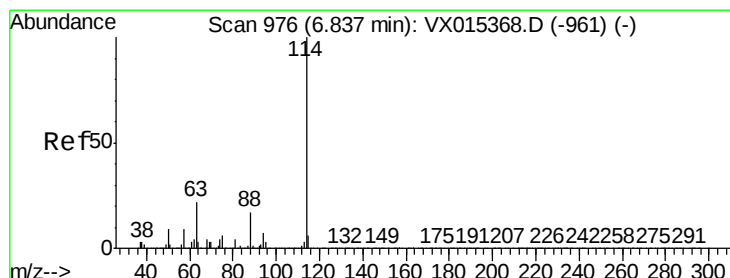
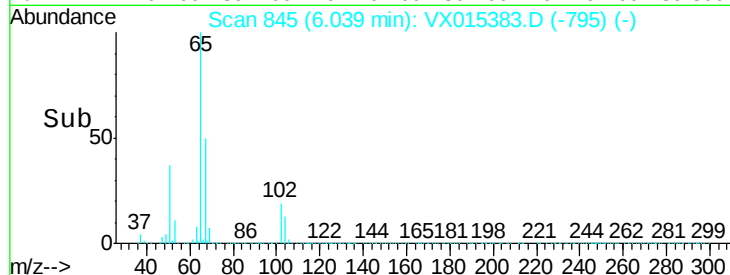
200000

100000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

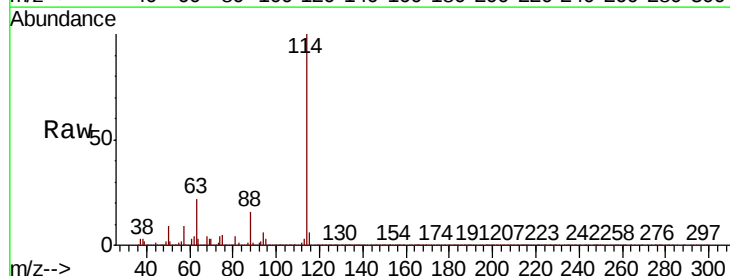
Tgt Ion: 114 Resp: 1884512

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.2

88 15.7 0.0 33.8



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

1000000

800000

600000

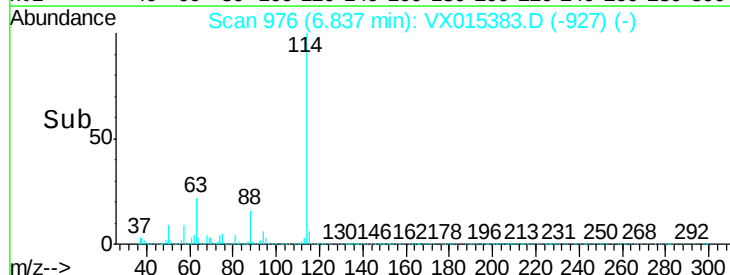
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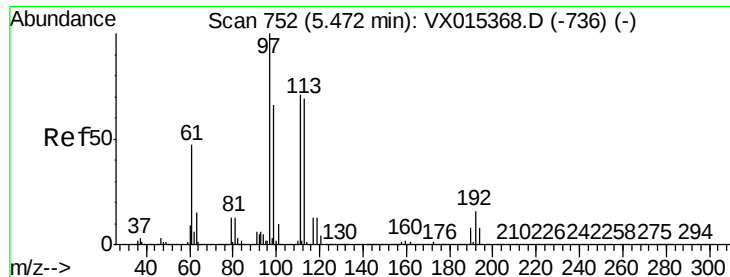
200000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.581 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

GHD1-GW-03-17

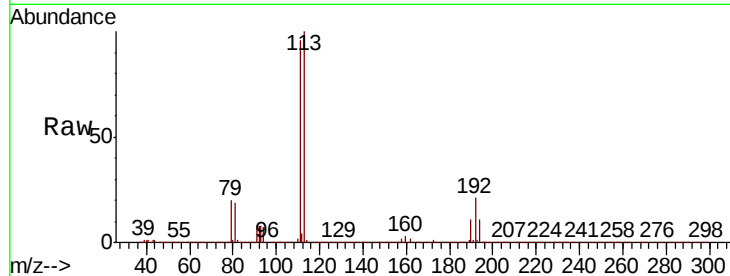
Tot Ion:113 Resp: 585227

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

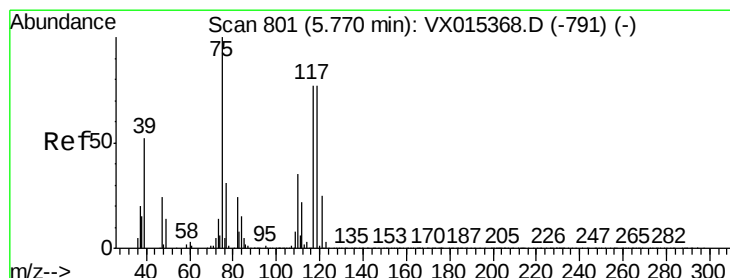
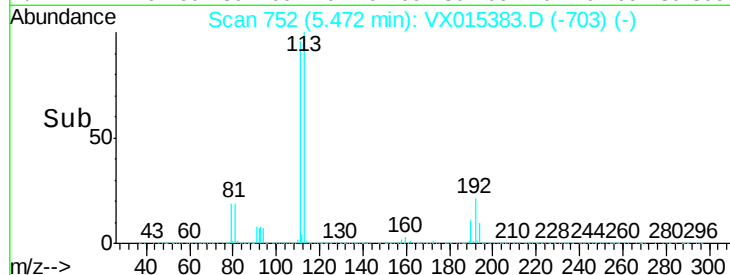
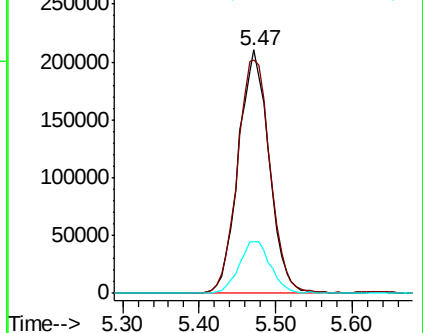
192 21.9 17.8 26.6



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: 5.187 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.13 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

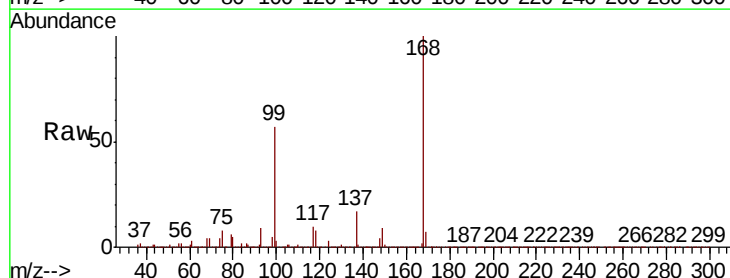
Tgt Ion: 75 Resp: 90058

Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.3#

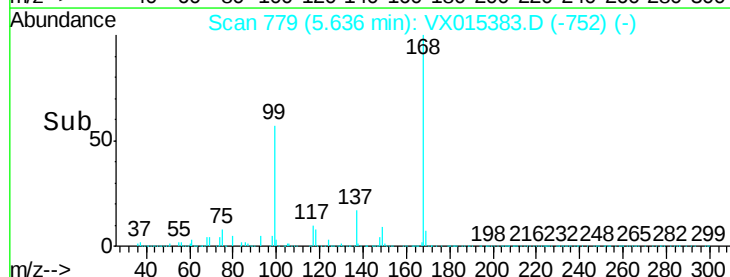
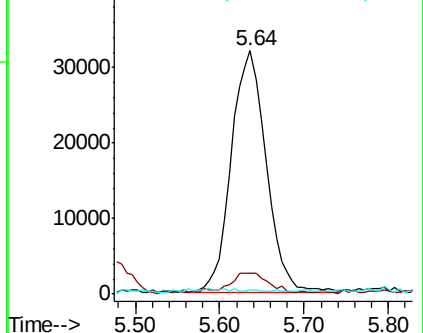
77 0.0 24.6 36.8#

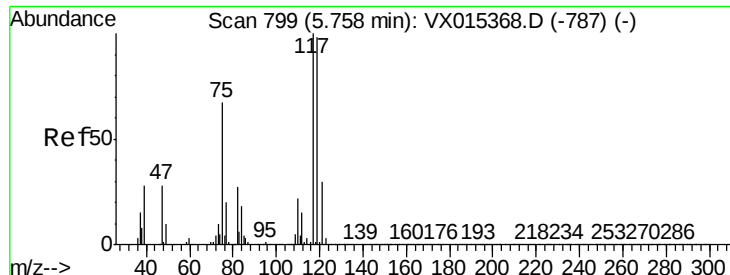


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.885 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

GHD1-GW-03-17

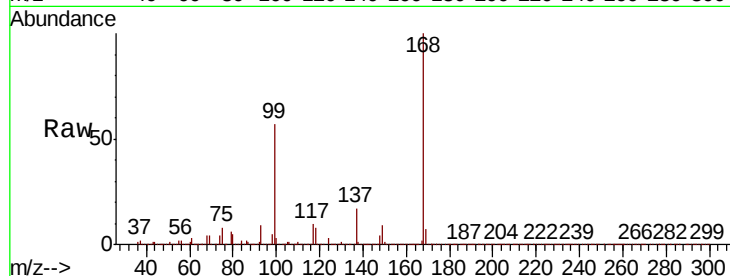
Tot Ion:117 Resp: 110669

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

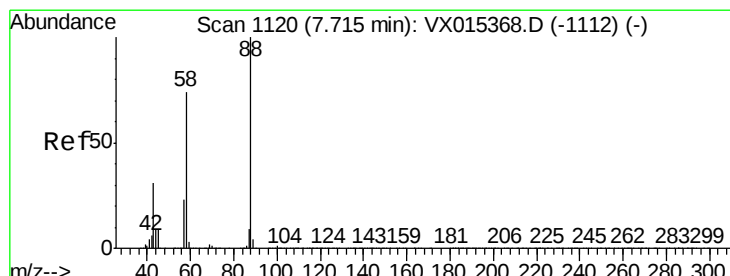
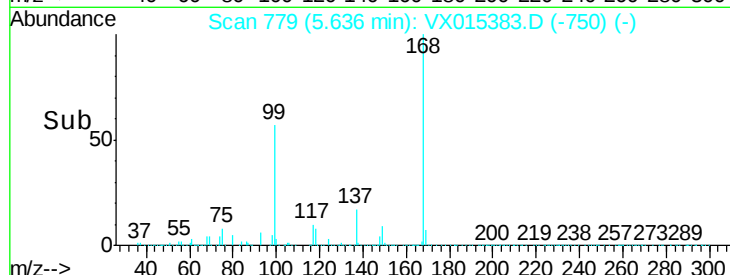
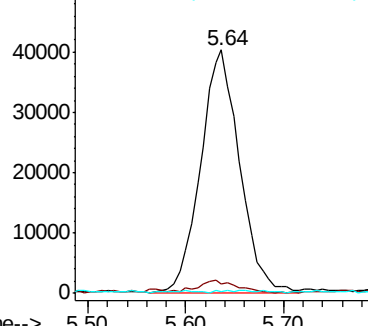
121 0.1 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.516 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

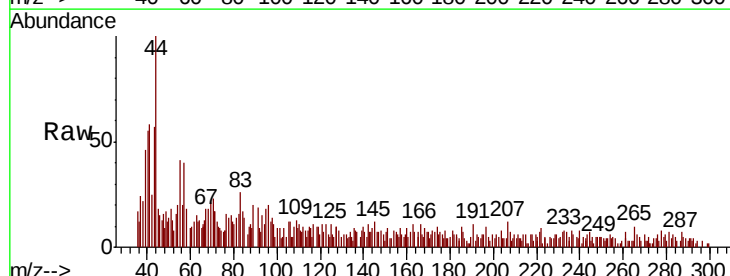
Tgt Ion: 88 Resp: 539

Ion Ratio Lower Upper

88 100

43 100.0 30.1 45.1#

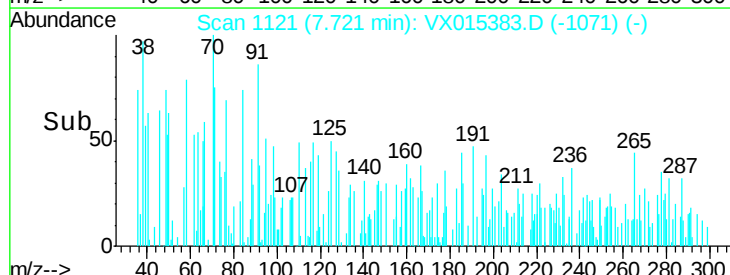
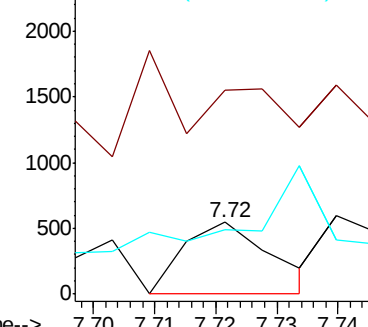
58 0.0 60.6 90.8#

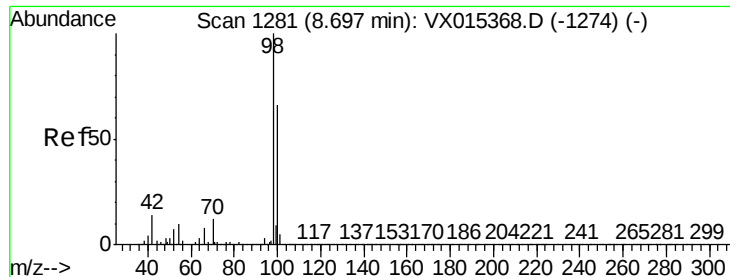


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.645 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

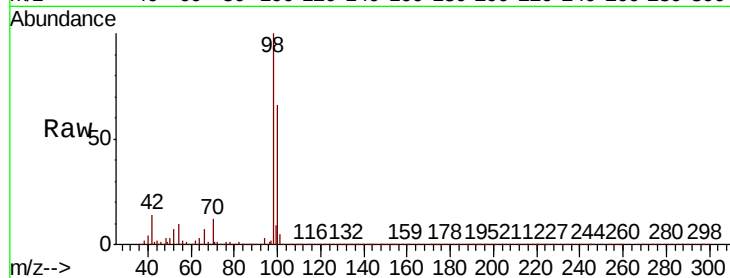
GHD1-GW-03-17

Tot Ion: 98 Resp: 2290516

Ion Ratio Lower Upper

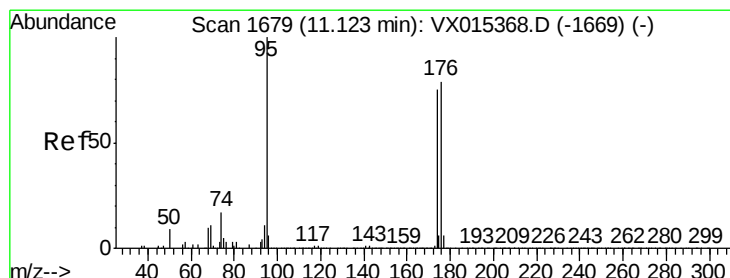
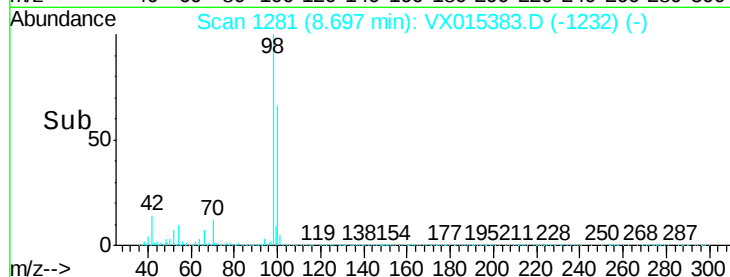
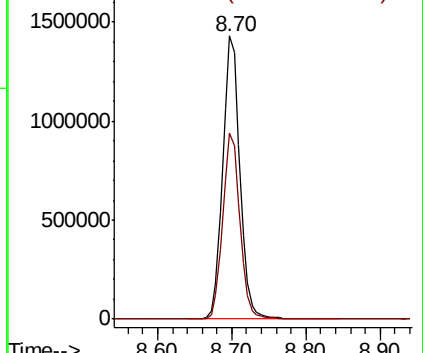
98 100

100 65.7 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 53.950 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

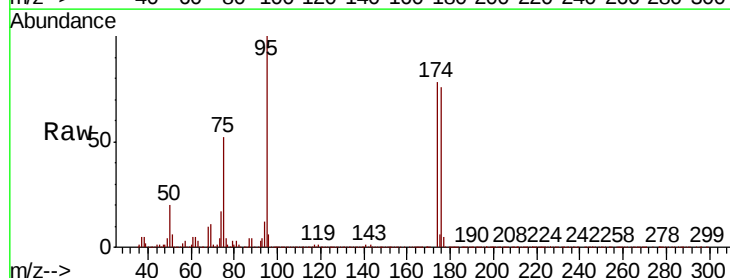
Tgt Ion: 95 Resp: 972419

Ion Ratio Lower Upper

95 100

174 76.4 0.0 158.6

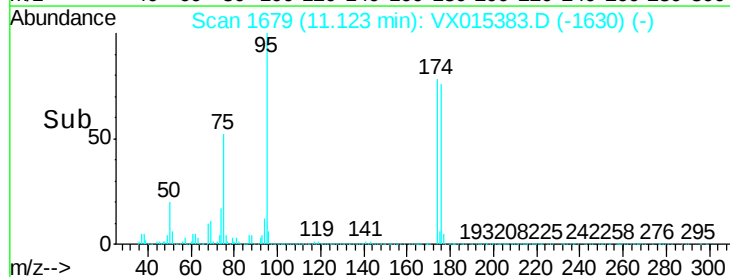
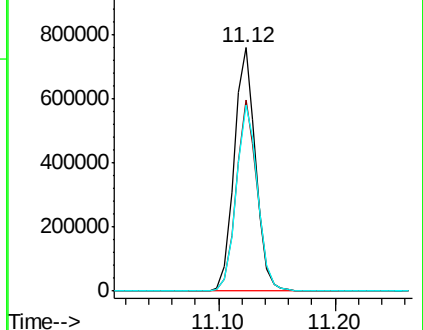
176 76.4 0.0 159.0

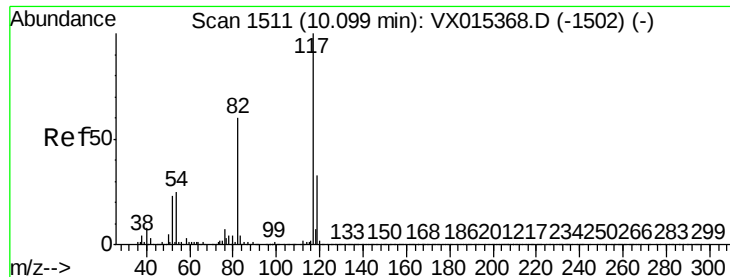


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

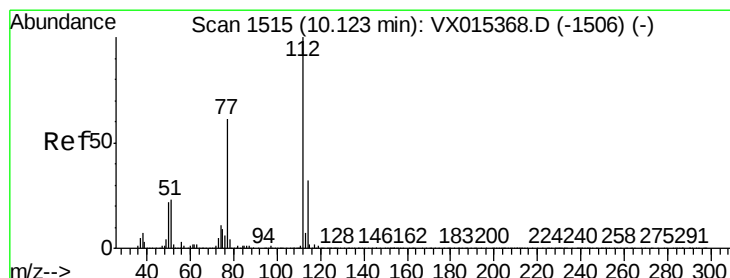
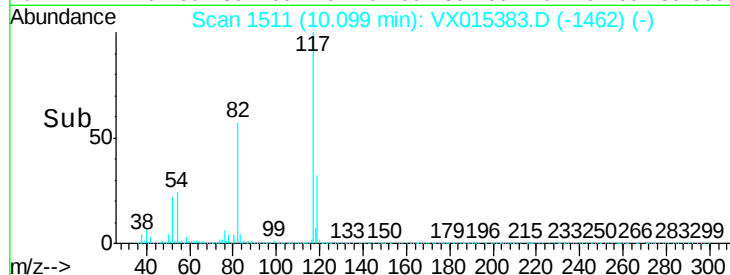
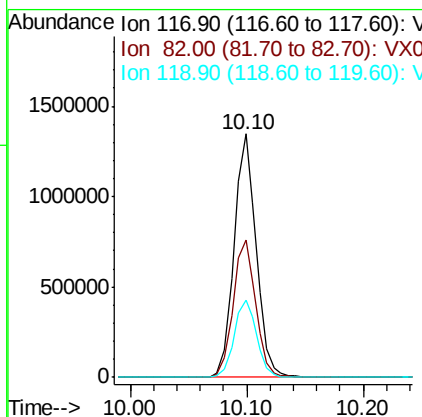
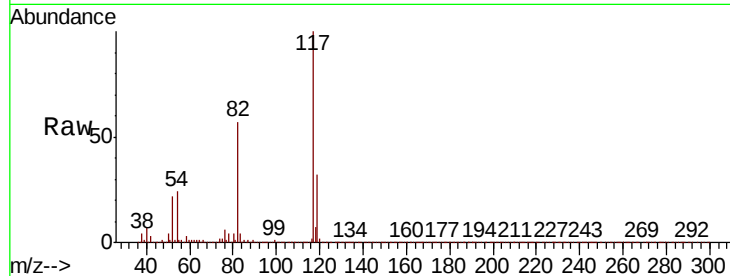




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015383.D
Acq: 27 Mar 2020 15:51

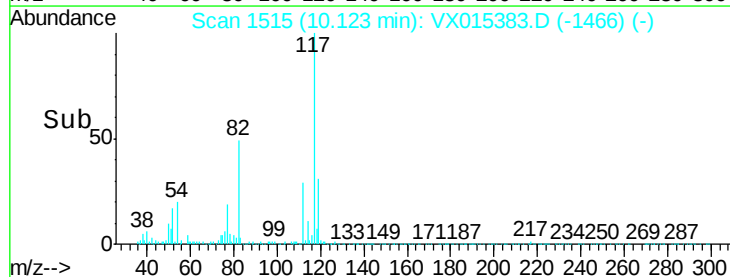
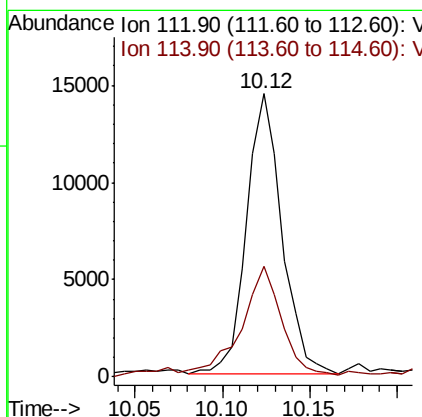
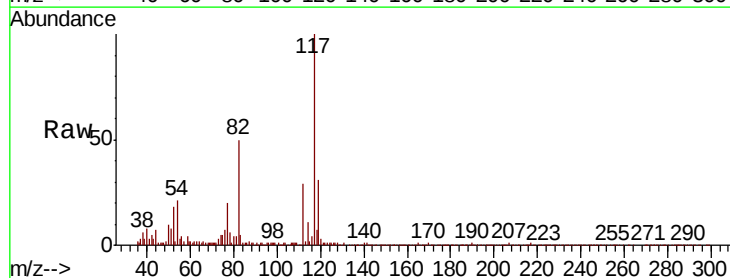
Instrument :
MSVOA_X
ClientSampleId :
GHD1-GW-03-17

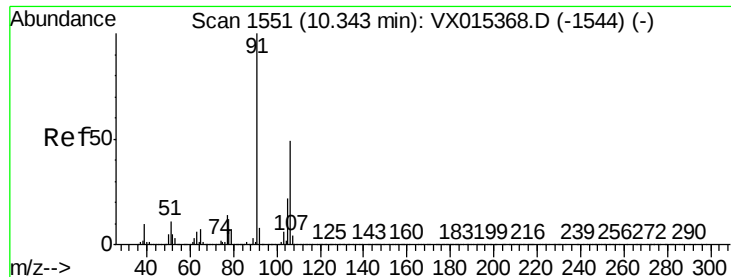
Tot Ion:117 Resp: 1775646
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.8
119 31.9 26.8 40.2



#65
Chlorobenzene
Concen: 0.574 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VX015383.D
Acq: 27 Mar 2020 15:51

Tgt Ion:112 Resp: 20344
Ion Ratio Lower Upper
112 100
114 39.2 25.5 38.3#

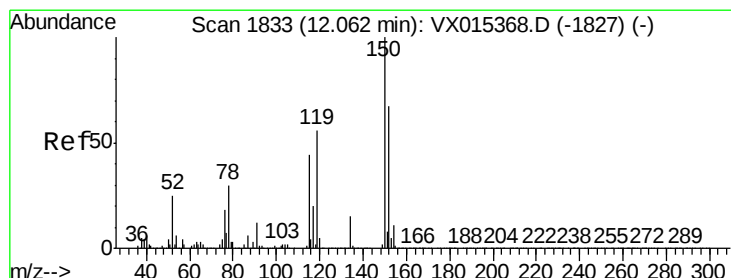
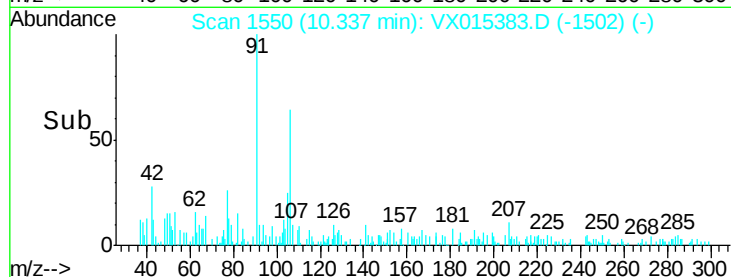
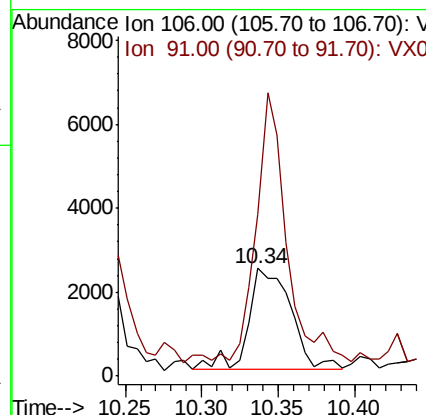
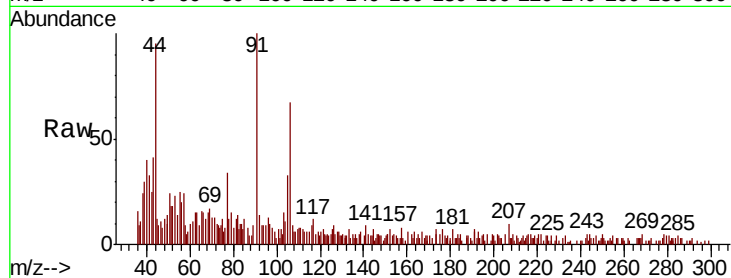




#68
m/p-Xvlenes
Concen: 0.202 ug/l
RT: 10.34 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VX015383.D
Acq: 27 Mar 2020 15:51

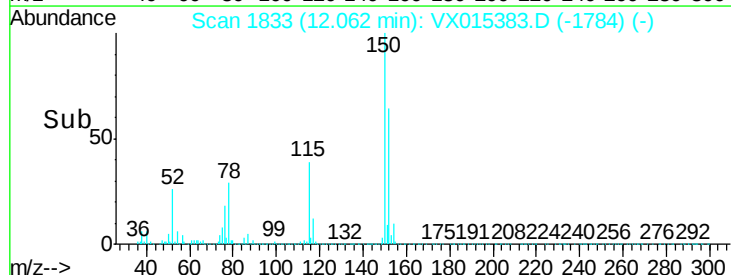
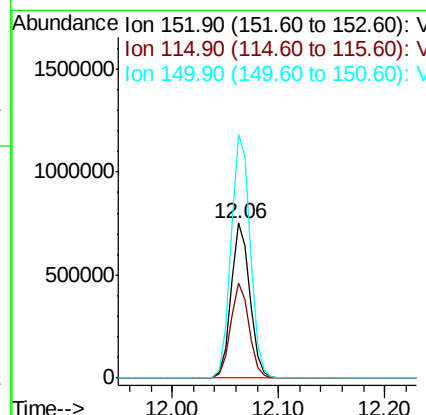
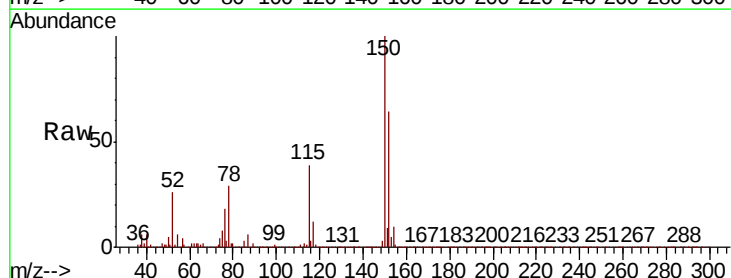
Instrument :
MSVOA_X
ClientSampleId :
GHD1-GW-03-17

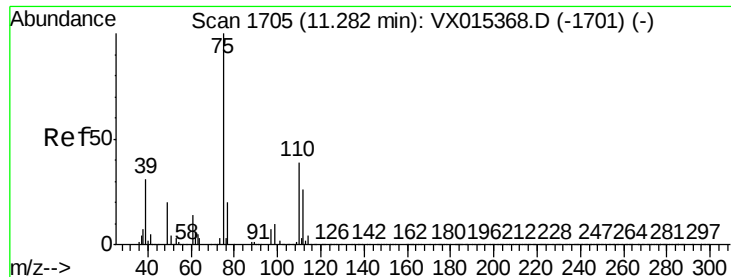
Tot Ion:106 Resp: 4718
Ion Ratio Lower Upper
106 100
91 186.2 163.4 245.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015383.D
Acq: 27 Mar 2020 15:51

Tgt Ion:152 Resp: 923939
Ion Ratio Lower Upper
152 100
115 60.5 39.0 116.9
150 161.4 0.0 340.8

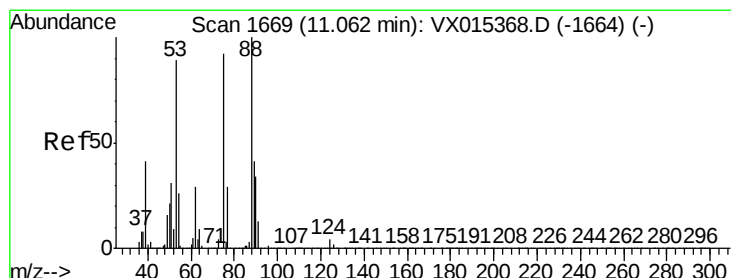
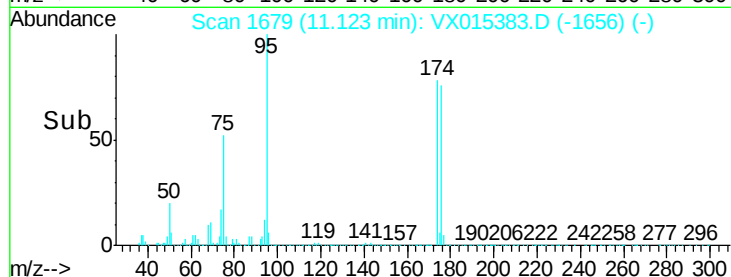
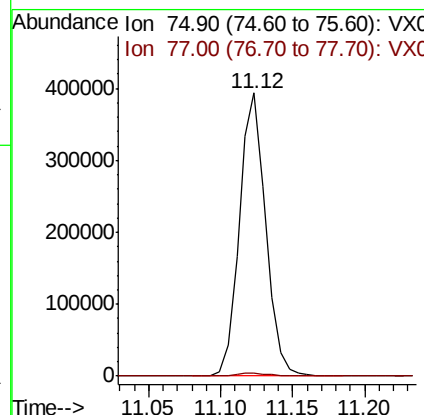
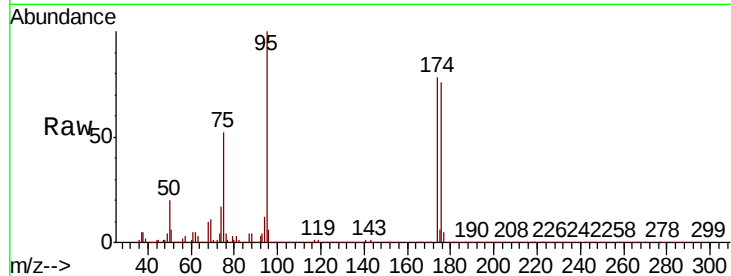




#76
 1,2,3-Trichloropropane
 Concen: 26.243 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.16 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

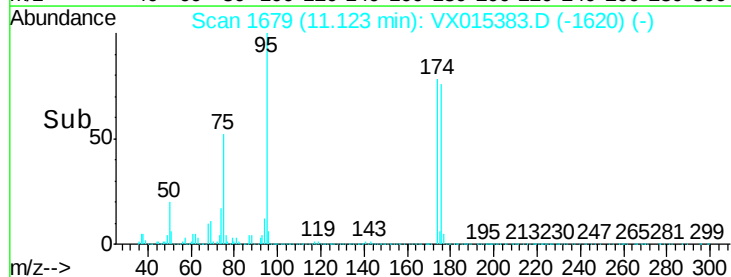
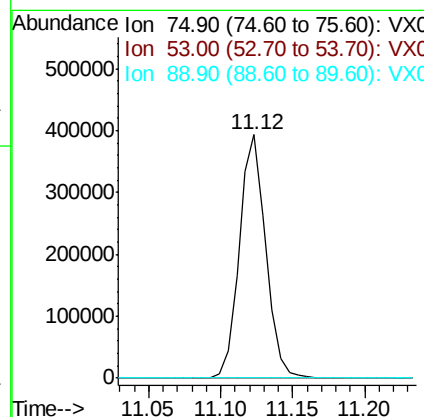
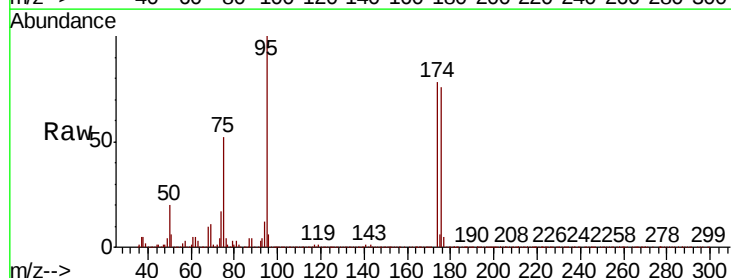
Instrument :
 MSVOA_X
 ClientSampleId :
 GHD1-GW-03-17

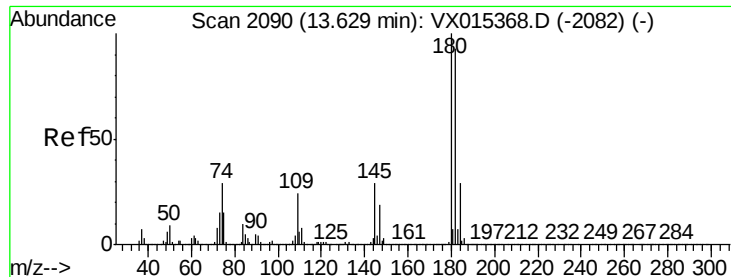
Tot Ion: 75 Resp: 498624
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.970 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. 0.06 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

Tgt Ion: 75 Resp: 498624
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.1 120.1#
 89 0.0 36.1 54.1#

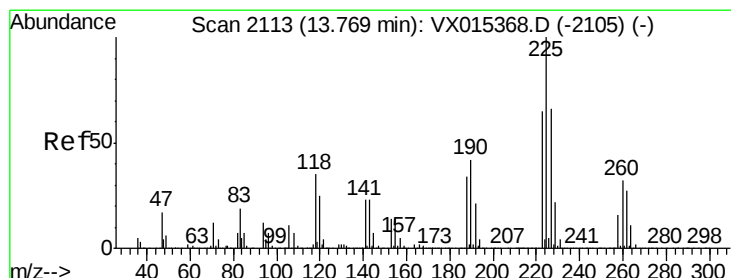
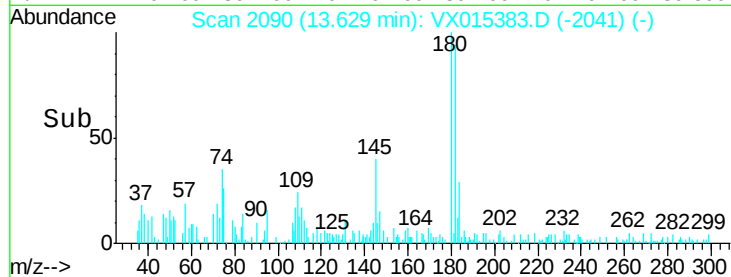
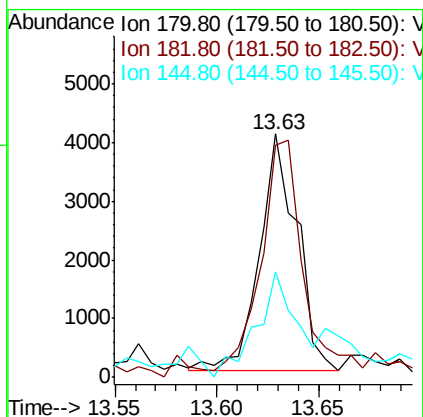
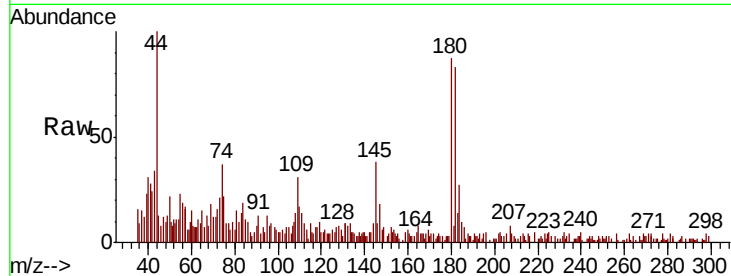




#93
 1,2,4-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

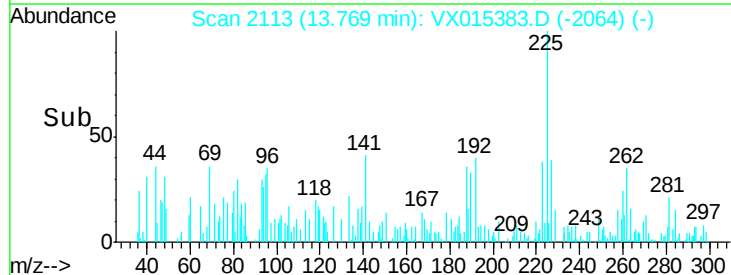
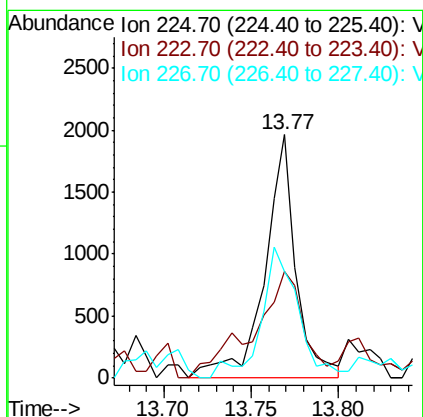
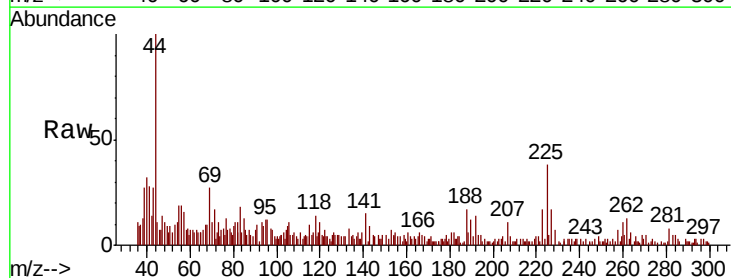
Instrument :
 MSVOA_X
 ClientSampleId :
 GHD1-GW-03-17

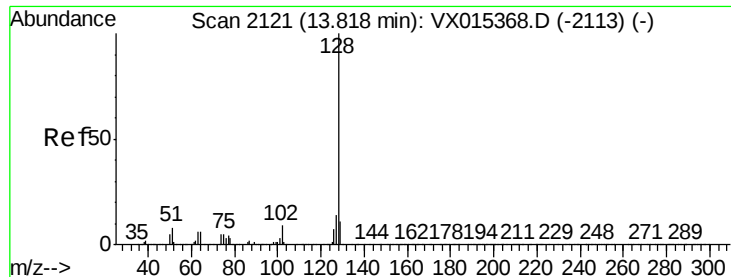
Tot Ion:180 Resp: 5194
 Ion Ratio Lower Upper
 180 100
 182 104.4 46.9 140.7
 145 47.2 14.9 44.5#



#94
 Hexachlorobutadiene
 Concen: 0.231 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VX015383.D
 Acq: 27 Mar 2020 15:51

Tgt Ion:225 Resp: 2461
 Ion Ratio Lower Upper
 225 100
 223 70.0 31.9 95.7
 227 64.2 30.4 91.3





#95

Naphthalene

Concen: 0.827 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015383.D

Acq: 27 Mar 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

GHD1-GW-03-17

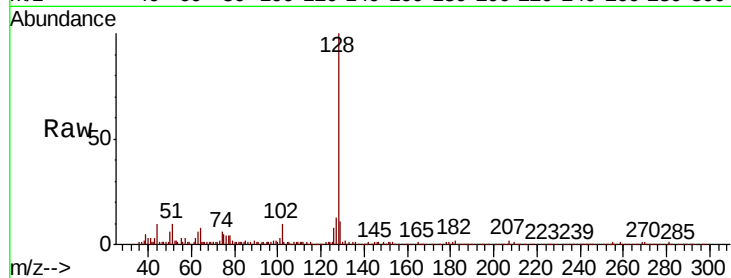
Tot Ion:128 Resp: 56420

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 10.8 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

