

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030520\
 Data File : VX015097.D
 Acq On : 05 Mar 2020 09:19
 Operator : JC/SP
 Sample : VX0305WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBL01

Quant Time: Mar 06 02:19:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	364113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	592052	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	547977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	249877	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	220916	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	5.48	113	182973	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	8.71	98	712224	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
62) 4-Bromofluorobenzene	11.13	95	240611	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	

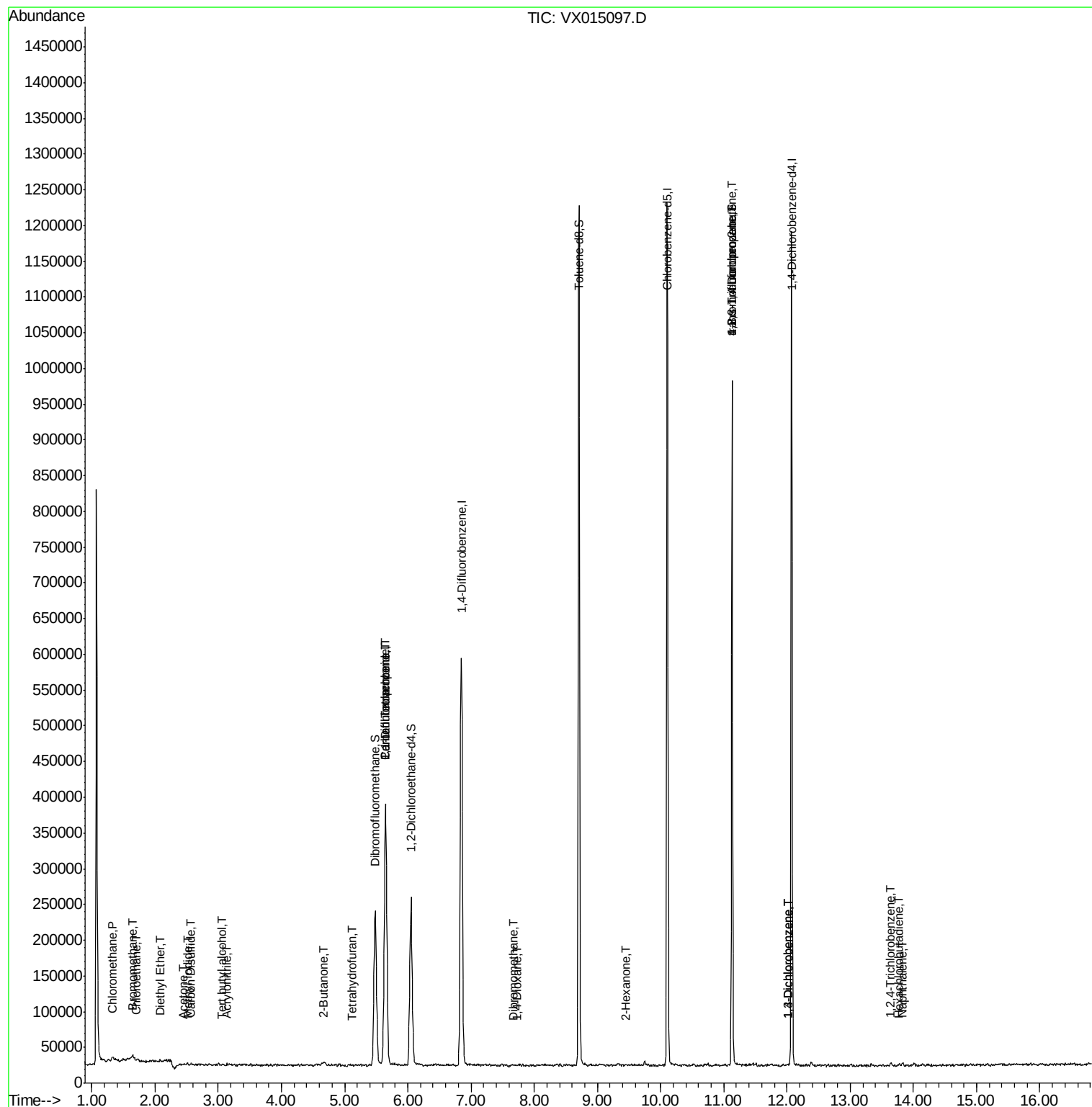
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1819	0.403	ug/l #	76
5) Bromomethane	1.66	94	1868	0.663	ug/l	93
6) Chloroethane	1.70	64	643	0.234	ug/l #	21
8) Diethyl Ether	2.09	74	679	0.275	ug/l	92
10) Methyl Iodide	2.51	142	2382	0.615	ug/l #	66
11) Tert butyl alcohol	3.06	59	399	0.532	ug/l #	23
15) Acrylonitrile	3.13	53	603	0.323	ug/l #	68
16) Acetone	2.44	43	785	0.449	ug/l #	84
17) Carbon Disulfide	2.57	76	2584	0.263	ug/l #	85
25) 2-Butanone	4.66	43	808	0.315	ug/l #	80
29) Tetrahydrofuran	5.11	42	502	0.304	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	25977	4.746	ug/l #	52
38) Carbon Tetrachloride	5.65	117	33045	6.396	ug/l #	18
46) Dibromomethane	7.67	93	673	0.246	ug/l #	43
49) 1,4-Dioxane	7.73	88	145	1.475	ug/l #	1
59) 2-Hexanone	9.44	43	1049	0.268	ug/l	79
76) 1,2,3-Trichloropropane	11.13	75	124688	25.016	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	124688	70.996	ug/l #	11
87) 1,3-Dichlorobenzene	12.03	146	1817	0.232	ug/l	85
88) 1,4-Dichlorobenzene	12.03	146	1817	0.225	ug/l	85
93) 1,2,4-Trichlorobenzene	13.64	180	1584	0.294	ug/l	95
94) Hexachlorobutadiene	13.78	225	572	0.207	ug/l	96
95) Naphthalene	13.82	128	3222	1.609	ug/l #	68

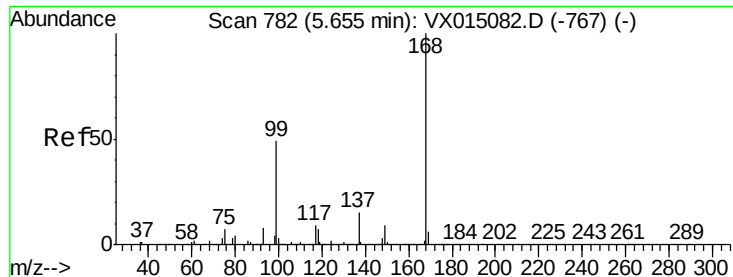
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX030520\
Data File : VX015097.D
Acq On : 05 Mar 2020 09:19
Operator : JC/SP
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Time: Mar 06 02:19:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

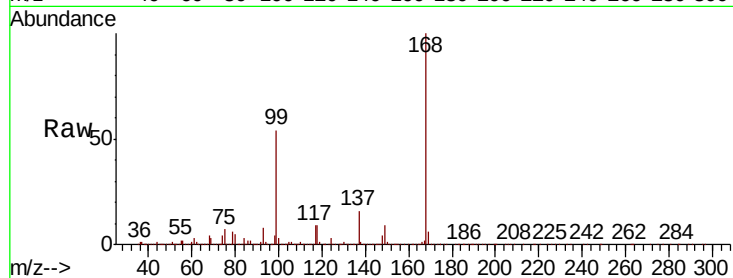
VX0305WBL01

Tot Ion:168 Resp: 364113

Ion Ratio Lower Upper

168 100

99 53.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

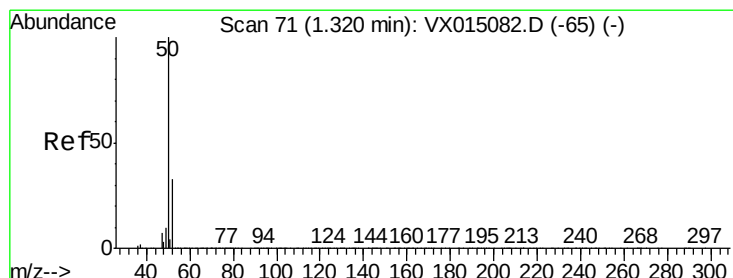
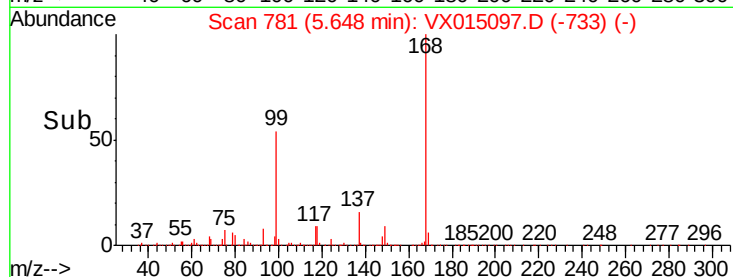
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.403 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX015097.D

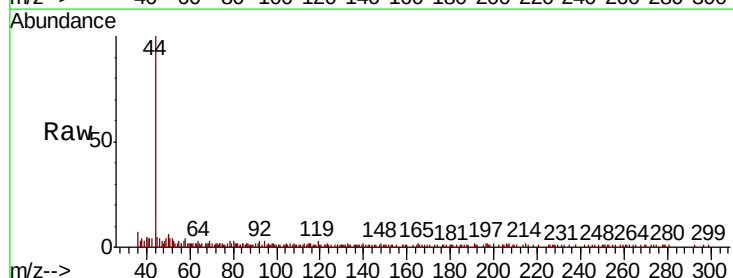
Acq: 05 Mar 2020 09:19

Tgt Ion: 50 Resp: 1819

Ion Ratio Lower Upper

50 100

52 19.3 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

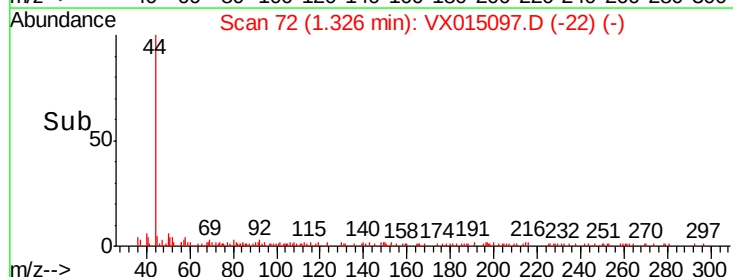
600

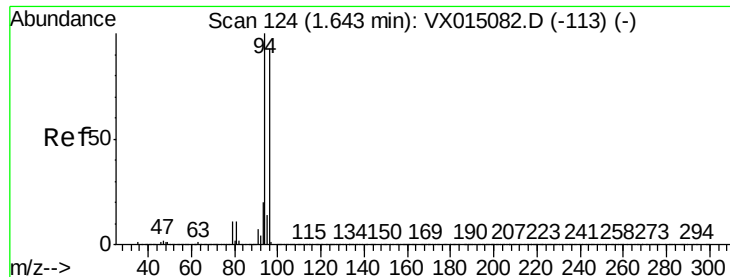
400

200

0

Time-->





#5

Bromomethane

Concen: 0.663 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

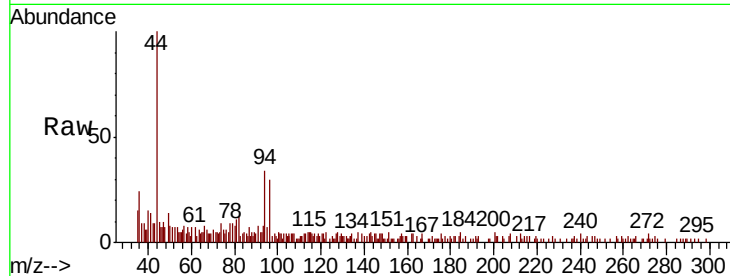
VX0305WBL01

Tot Ion: 94 Resp: 1868

Ion Ratio Lower Upper

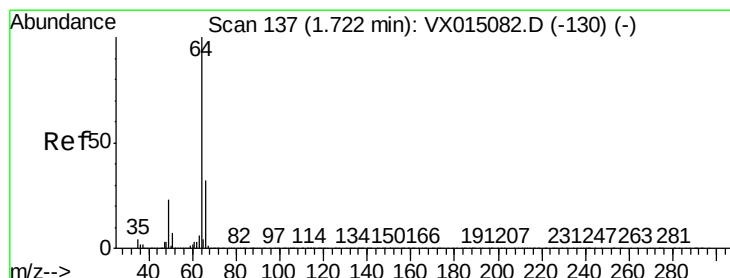
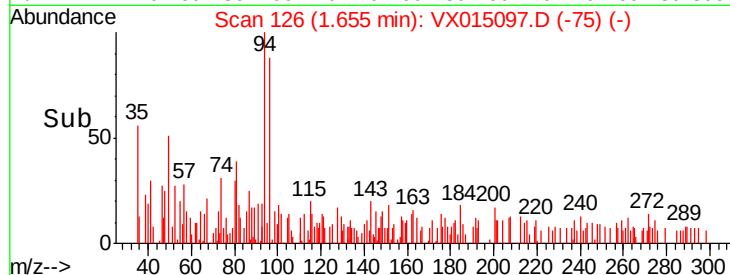
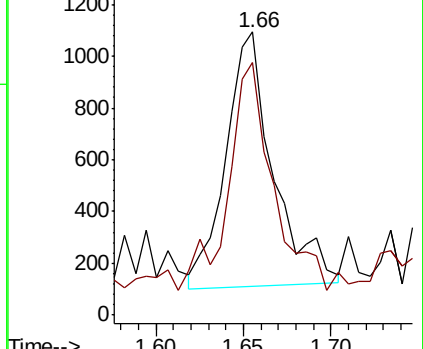
94 100

96 86.3 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.234 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.02 min

Lab File: VX015097.D

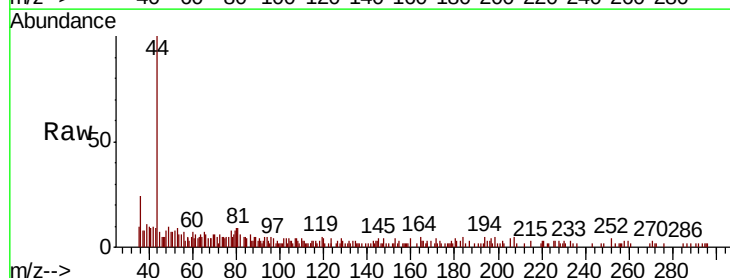
Acq: 05 Mar 2020 09:19

Tgt Ion: 64 Resp: 643

Ion Ratio Lower Upper

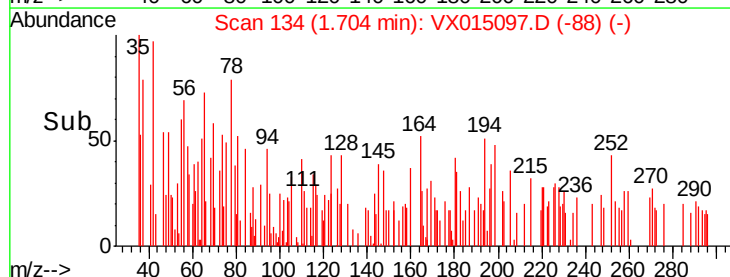
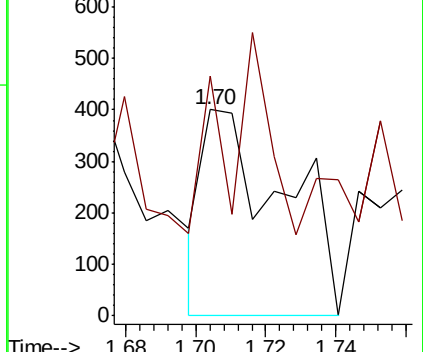
64 100

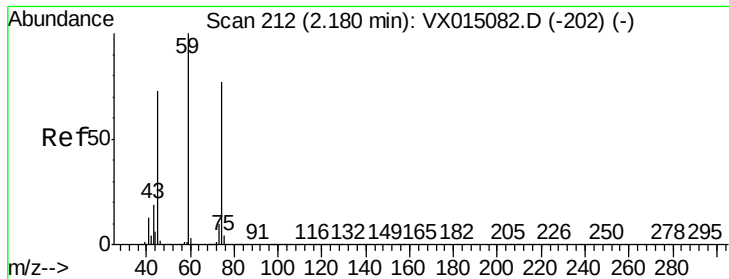
66 76.3 25.8 38.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.275 ug/l

RT: 2.09 min Scan# 197

Delta R.T. -0.09 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampled :

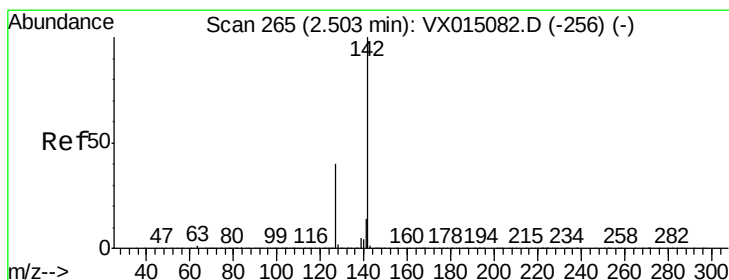
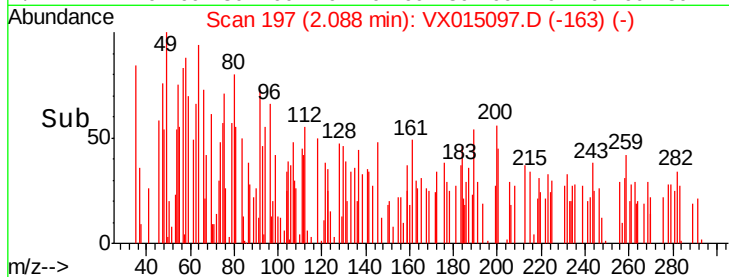
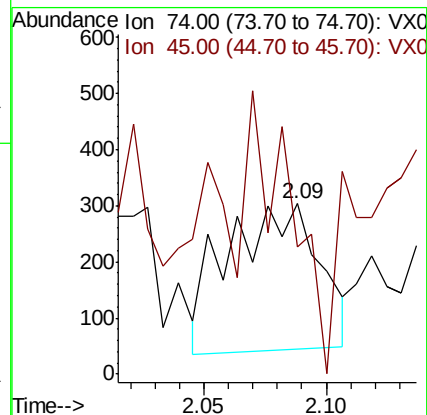
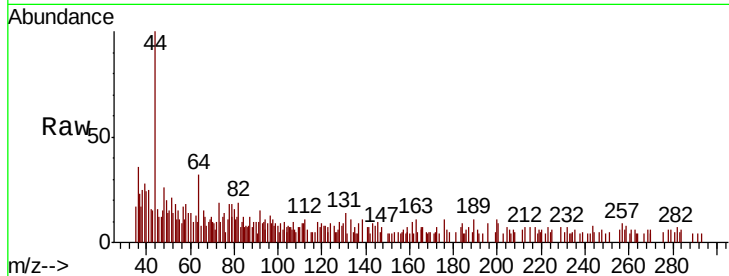
VX0305WBL01

Tot Ion: 74 Resp: 679

Ion Ratio Lower Upper

74 100

45 90.0 49.2 147.6



#10

Methyl Iodide

Concen: 0.615 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

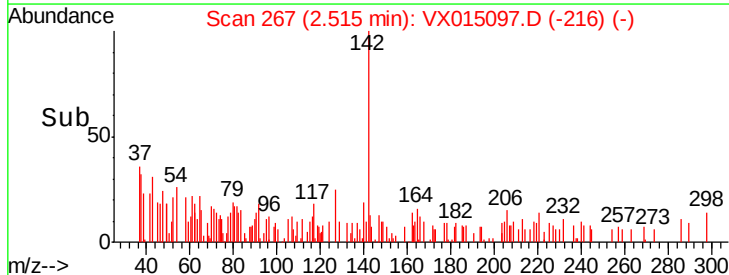
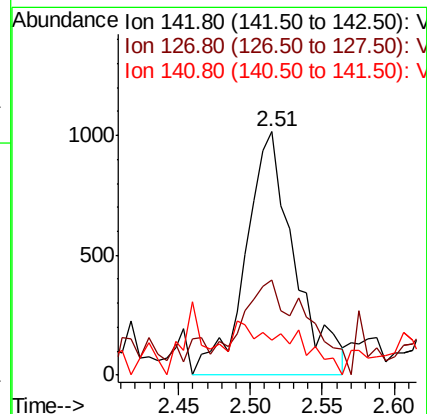
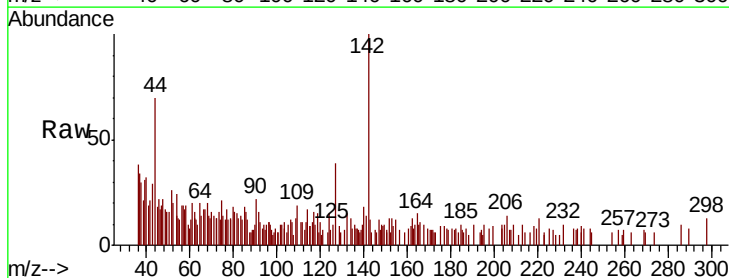
Tgt Ion: 142 Resp: 2382

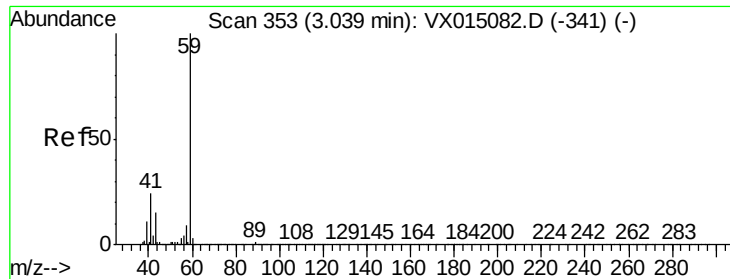
Ion Ratio Lower Upper

142 100

127 18.6 31.7 47.5#

141 0.0 11.3 16.9#



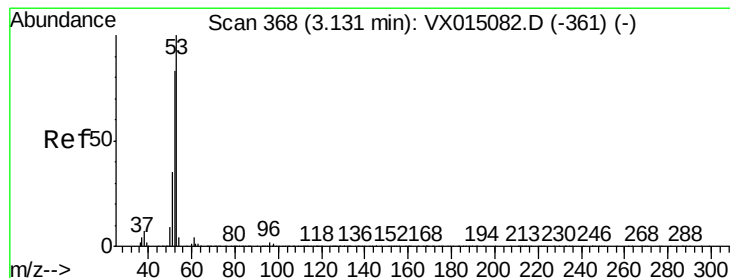
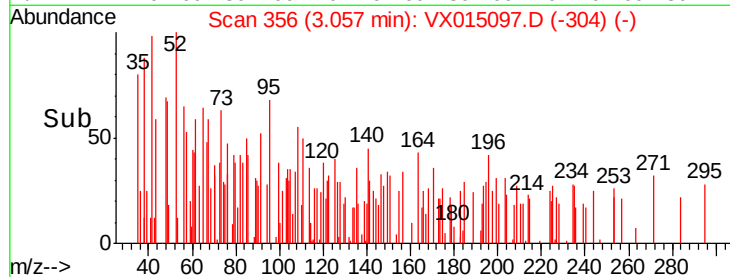
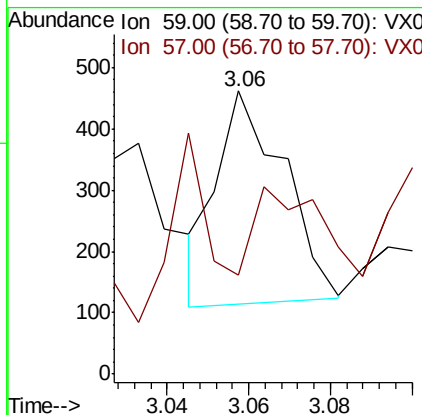
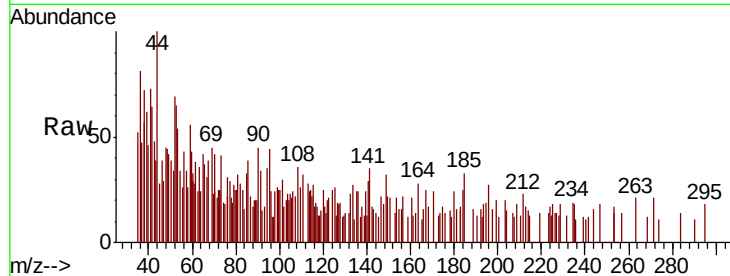


#11

Tert butyl alcohol
Concen: 0.532 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.02 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

Instrument :
MSVOA_X
ClientSampled :
VX0305WBL01

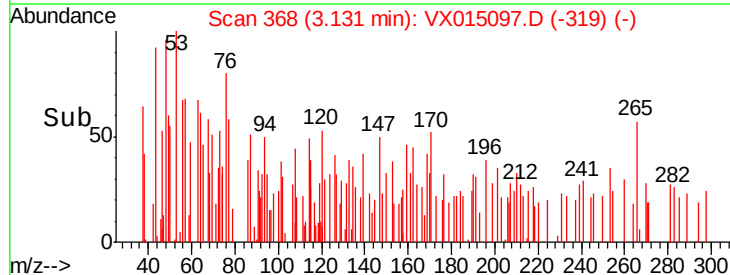
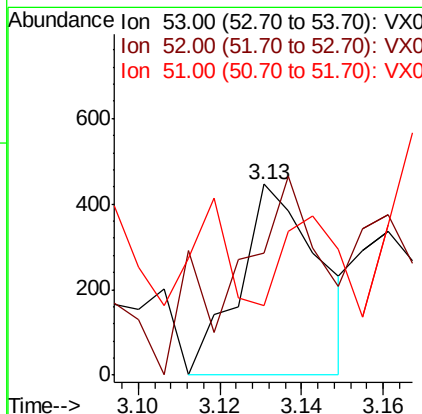
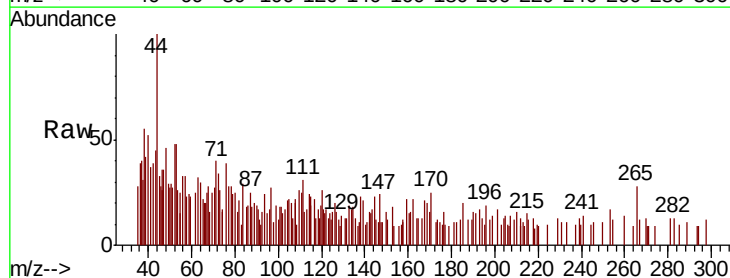
Tot Ion: 59 Resp: 399
Ion Ratio Lower Upper
59 100
57 38.8 8.2 12.4#

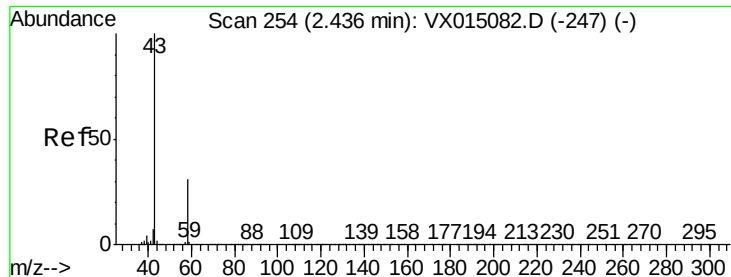


#15

Acrylonitrile
Concen: 0.323 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

Tgt Ion: 53 Resp: 603
Ion Ratio Lower Upper
53 100
52 116.1 66.6 100.0#
51 48.9 29.0 43.6#

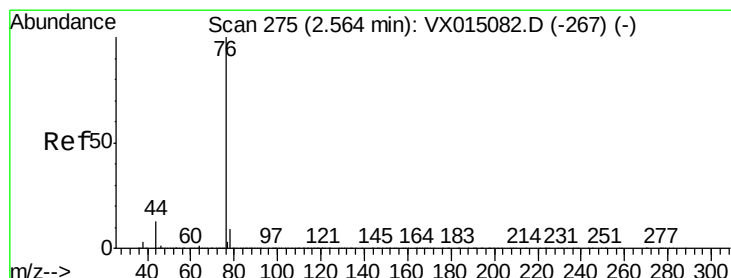
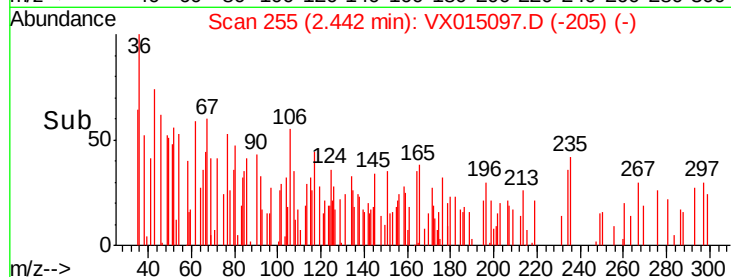
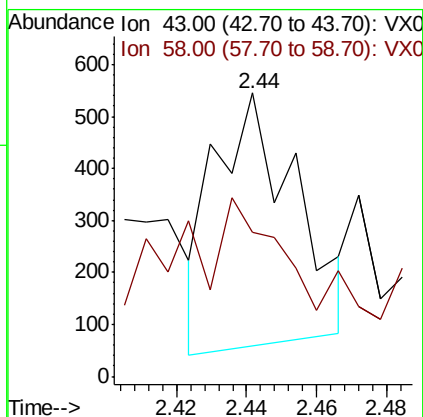
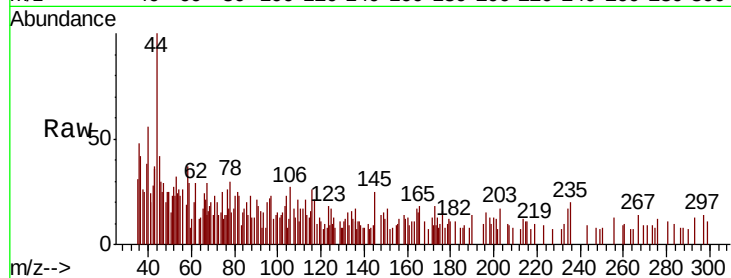




#16
Acetone
Concen: 0.449 ug/l
RT: 2.44 min Scan# 255
Delta R.T. 0.01 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

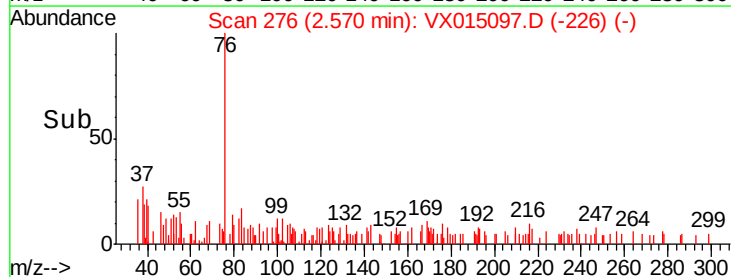
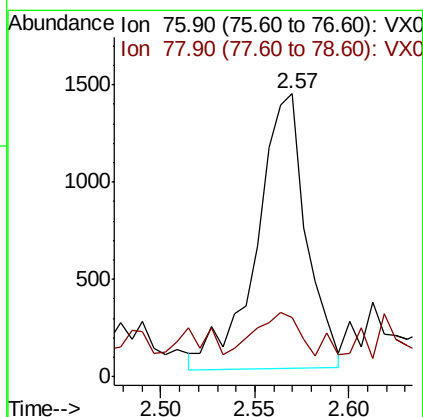
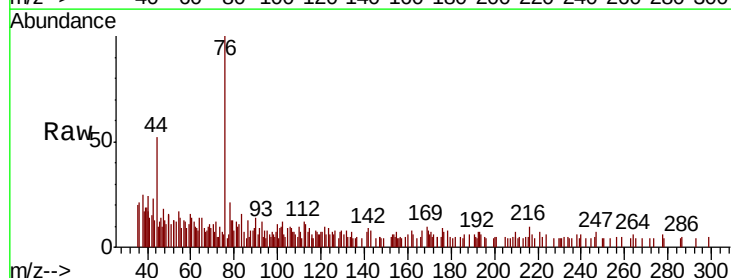
Instrument :
MSVOA_X
ClientSampled :
VX0305WBL01

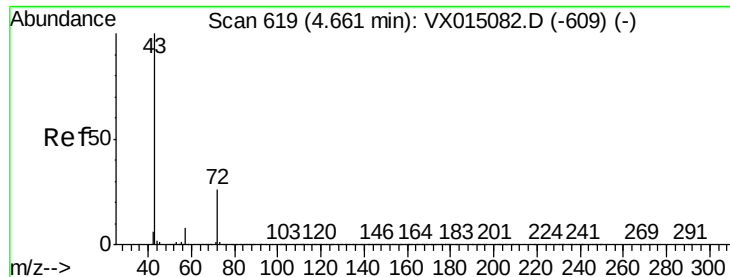
Tot Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 22.3 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.263 ug/l
RT: 2.57 min Scan# 276
Delta R.T. 0.01 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

Tgt Ion: 76 Resp: 2584
Ion Ratio Lower Upper
76 100
78 14.6 7.3 10.9#





#25

2-Butanone

Concen: 0.315 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

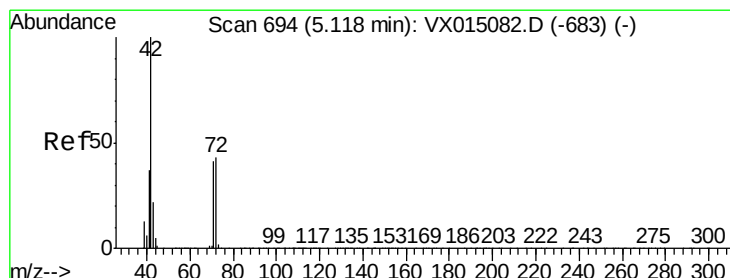
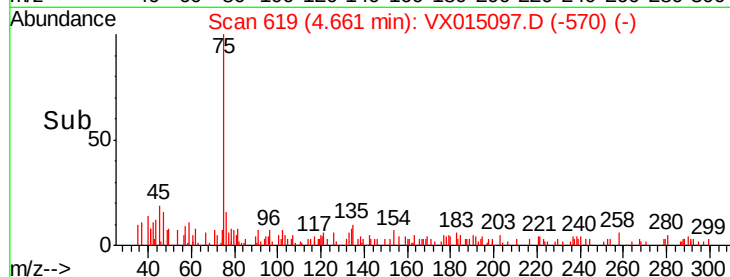
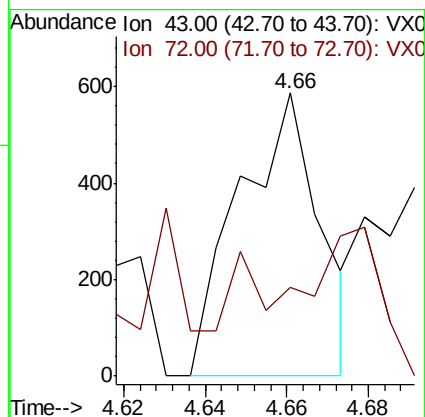
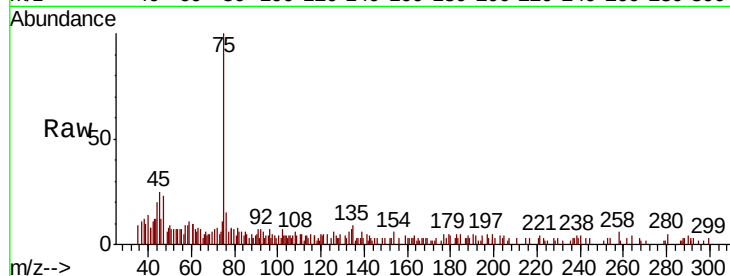
VX0305WBL01

Tot Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

72 15.5 20.6 30.8#



#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 5.11 min Scan# 692

Delta R.T. -0.01 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

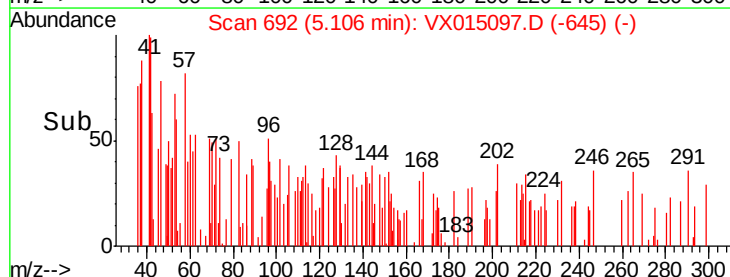
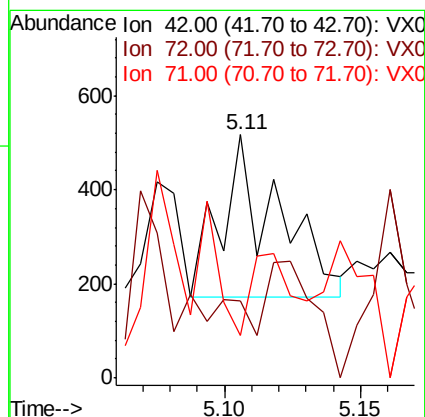
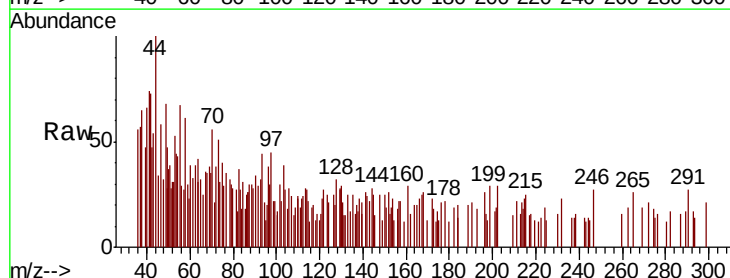
Tgt Ion: 42 Resp: 502

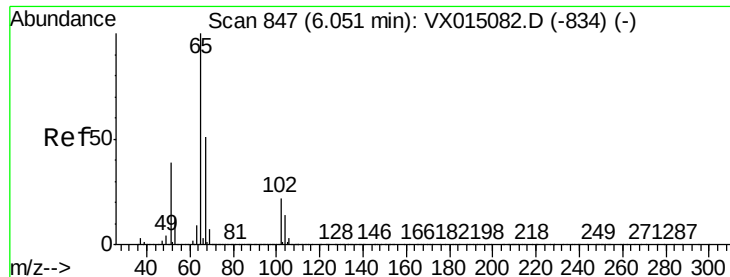
Ion Ratio Lower Upper

42 100

72 58.4 36.4 54.6#

71 36.3 33.3 49.9

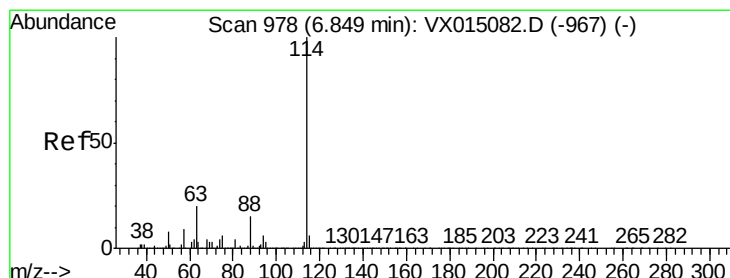
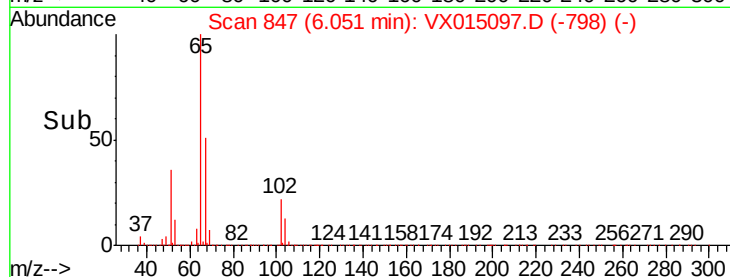
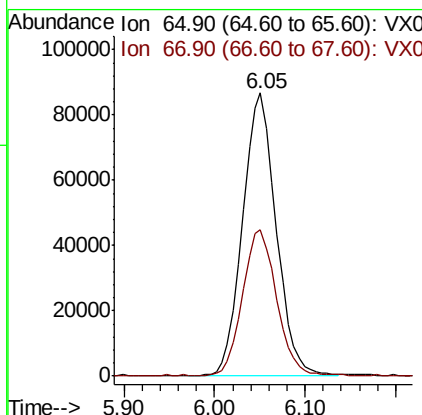
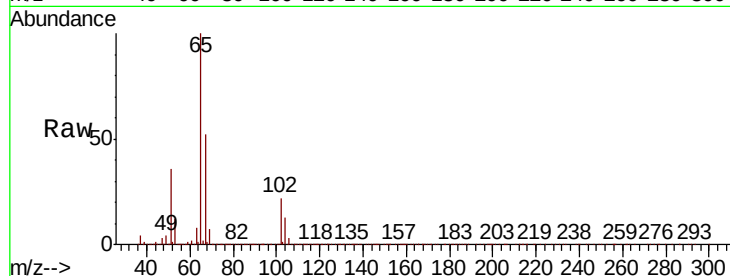




#33
 1,2-Dichloroethane-d4
 Concen: 51.141 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

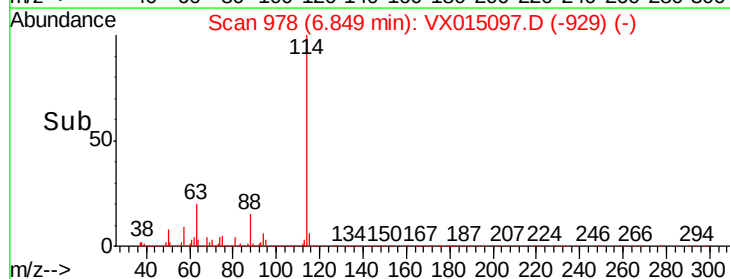
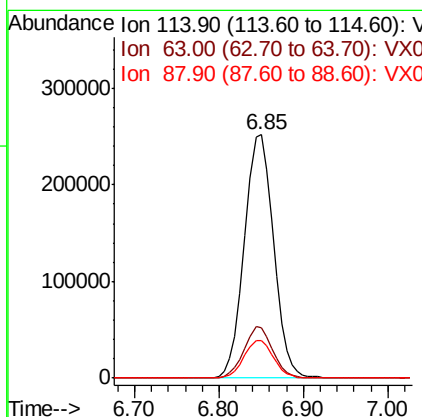
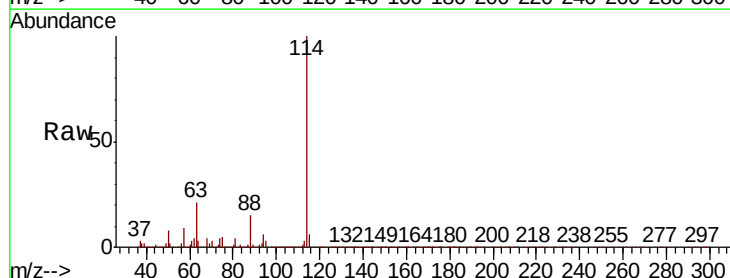
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBL01

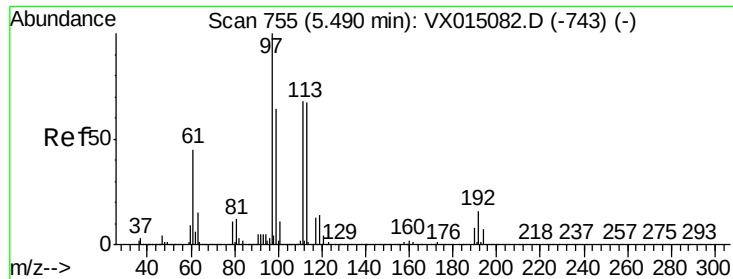
Tot Ion: 65 Resp: 220916
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

Tgt Ion: 114 Resp: 592052
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.0
 88 15.1 0.0 30.6

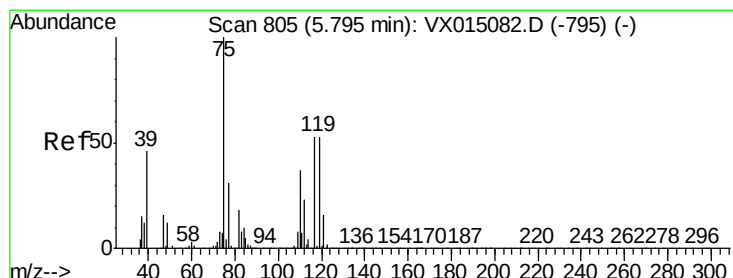
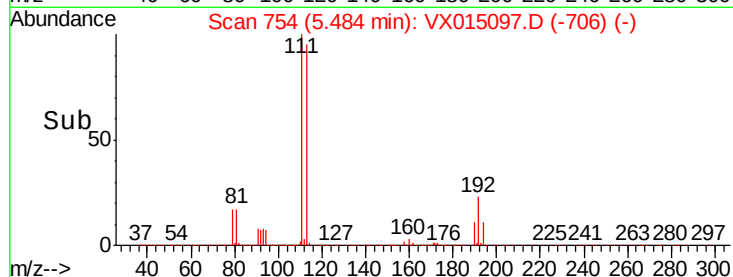
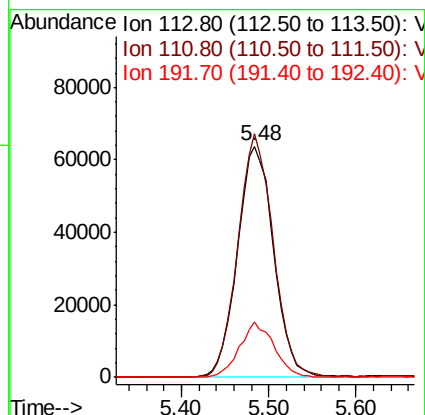
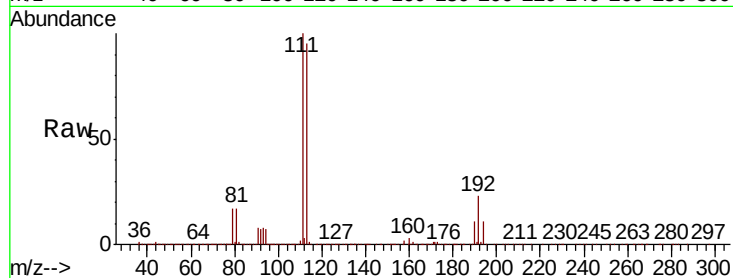




#35
 Dibromofluoromethane
 Concen: 48.988 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

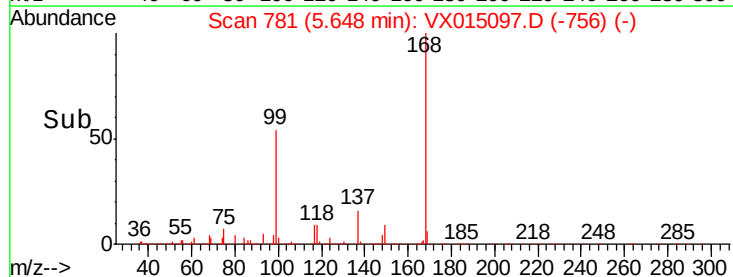
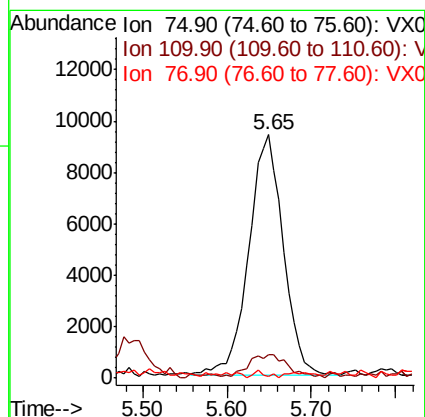
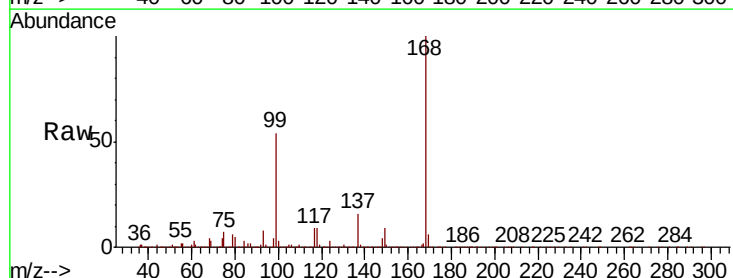
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBL01

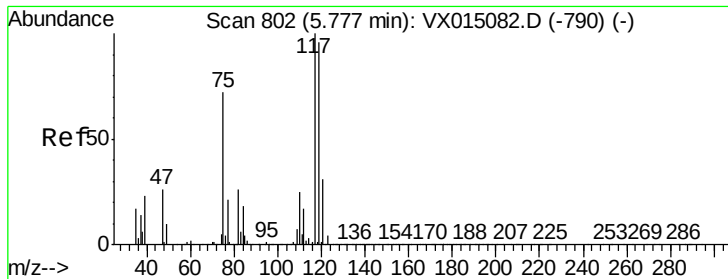
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	22.8	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.5	17.9	53.8#
77	0.9	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.396 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampled :

VX0305WBL01

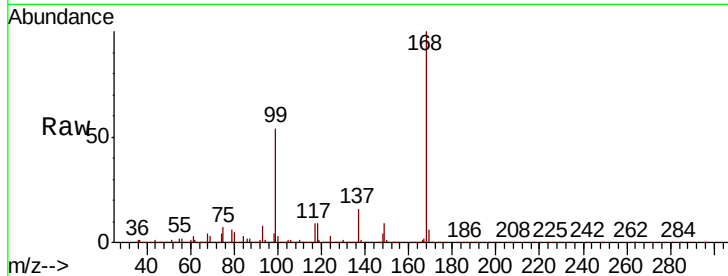
Tot Ion:117 Resp: 33045

Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

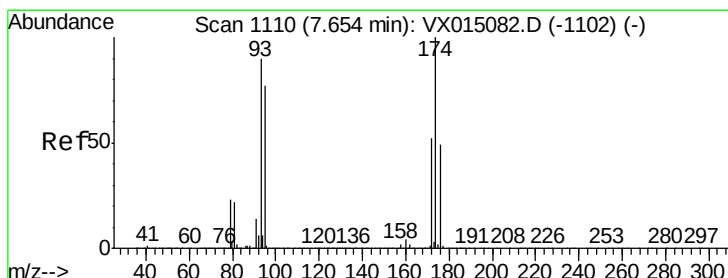
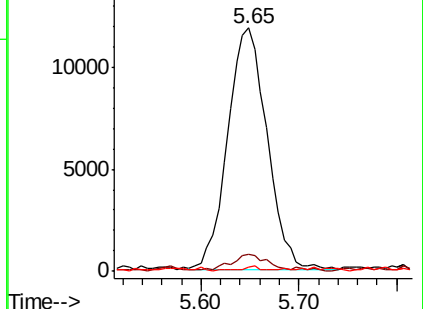
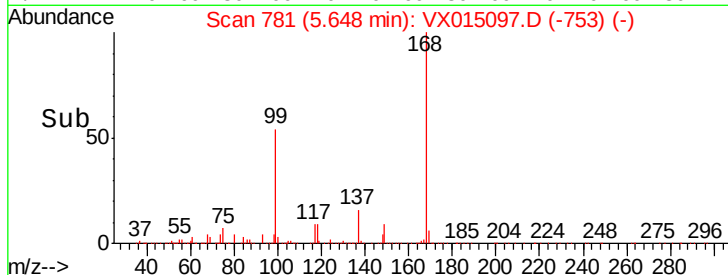
121 1.9 24.6 37.0#



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



#46

Dibromomethane

Concen: 0.246 ug/l

RT: 7.67 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

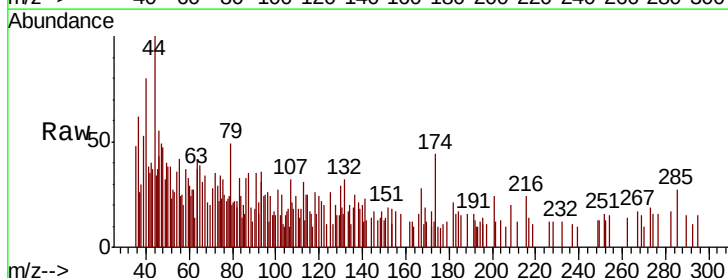
Tgt Ion: 93 Resp: 673

Ion Ratio Lower Upper

93 100

95 30.5 67.8 101.8#

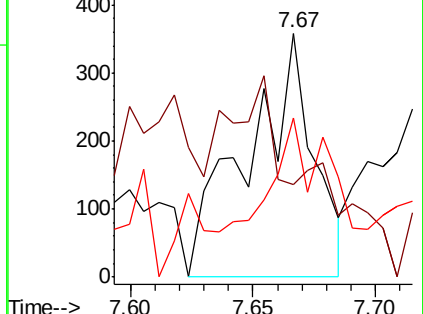
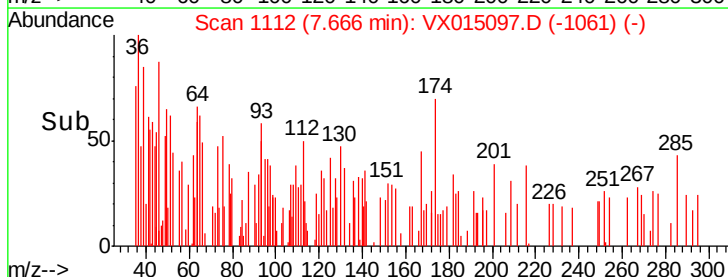
174 53.9 91.0 136.4#

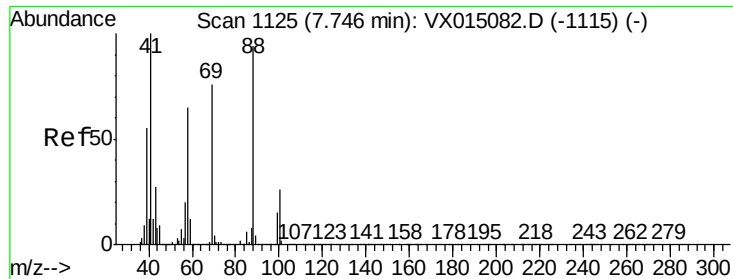


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

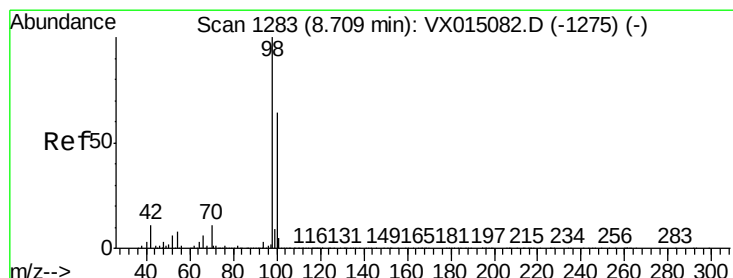
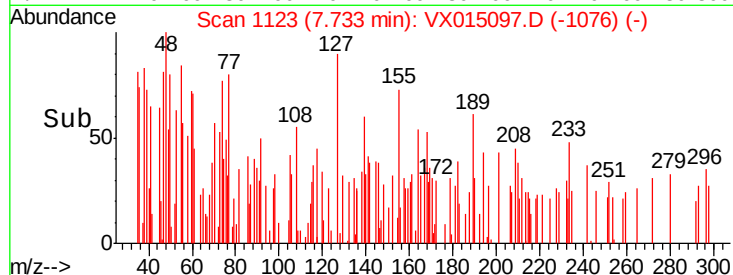
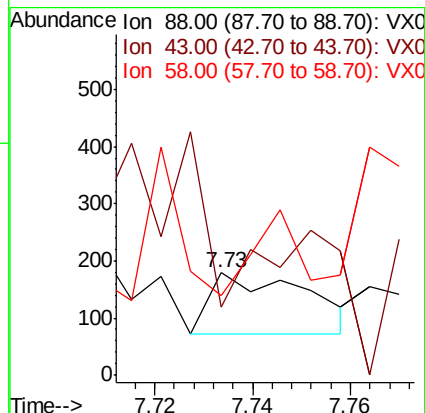
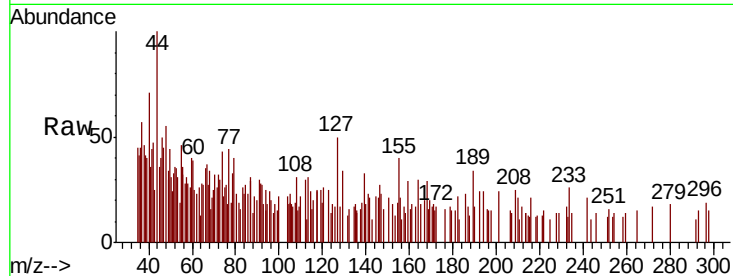




#49
1,4-Dioxane
Concen: 1.475 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

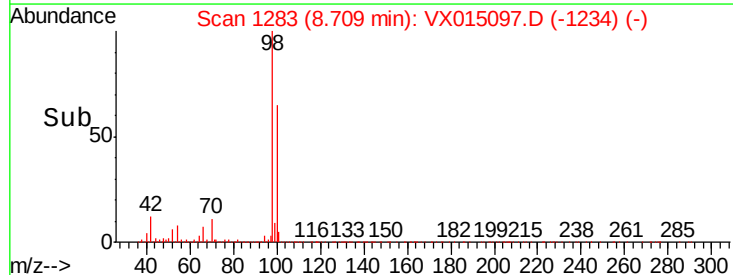
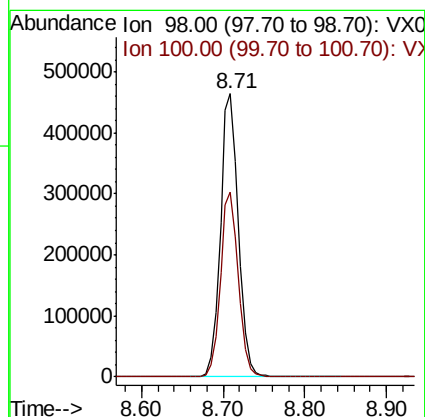
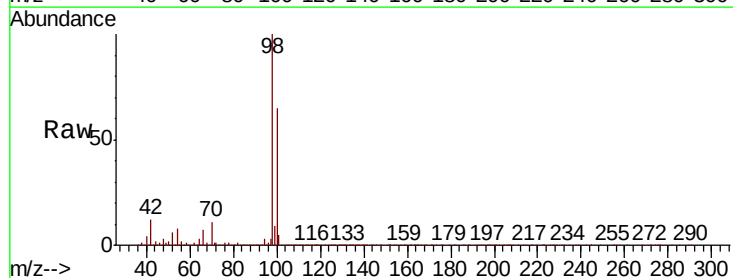
Instrument :
MSVOA_X
ClientSampled :
VX0305WBL01

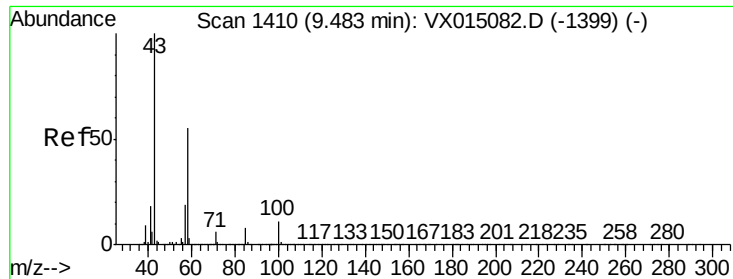
Tot Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 476.6 27.0 40.4#
58 129.0 55.6 83.4#



#50
Toluene-d8
Concen: 50.129 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

Tgt Ion: 98 Resp: 712224
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6





#59

2-Hexanone

Concen: 0.268 ug/l

RT: 9.44 min Scan# 1403

Delta R.T. -0.04 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

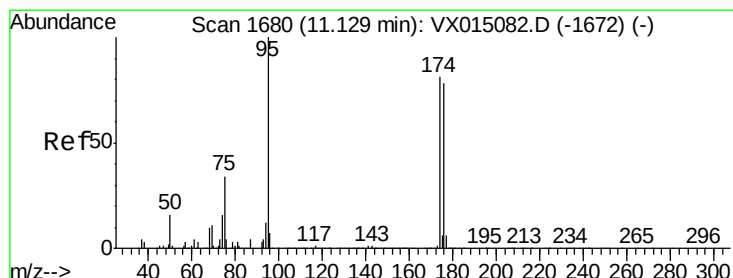
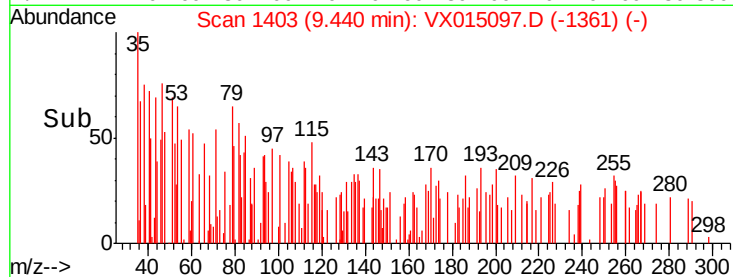
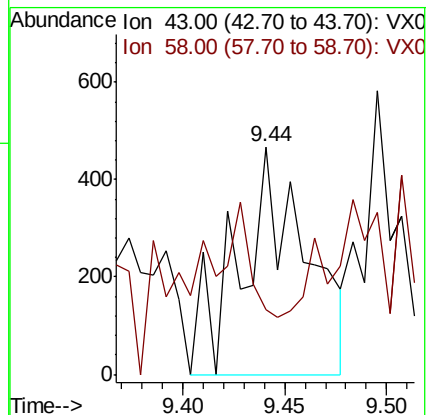
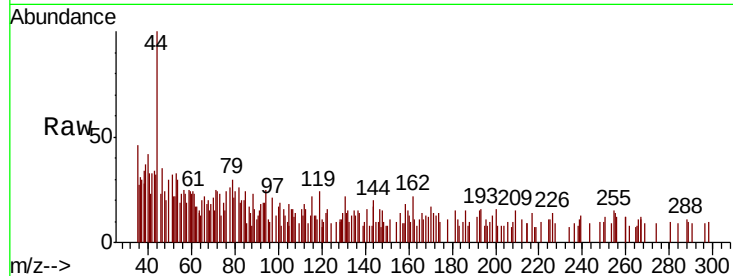
VX0305WBL01

Tot Ion: 43 Resp: 1049

Ion Ratio Lower Upper

43 100

58 39.5 27.3 81.8



#62

4-Bromofluorobenzene

Concen: 47.479 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

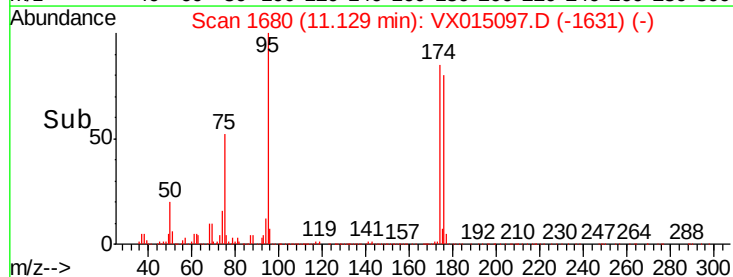
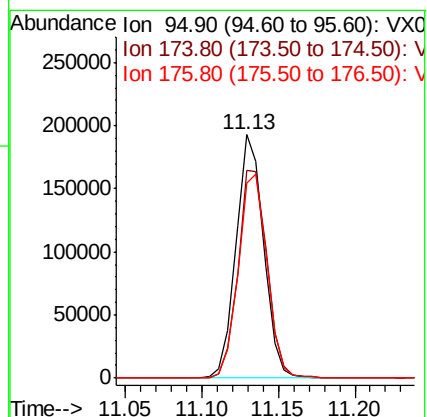
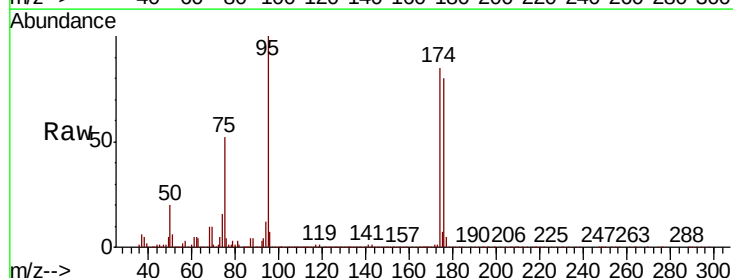
Tgt Ion: 95 Resp: 240611

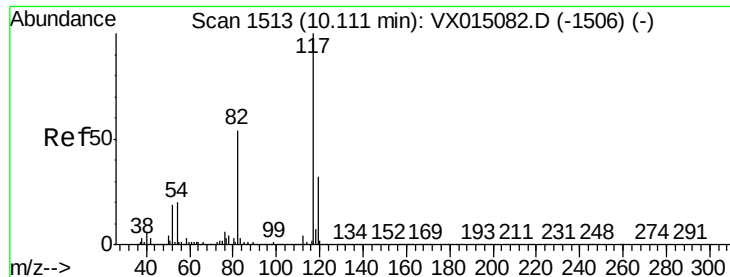
Ion Ratio Lower Upper

95 100

174 90.6 0.0 177.6

176 87.4 0.0 170.2

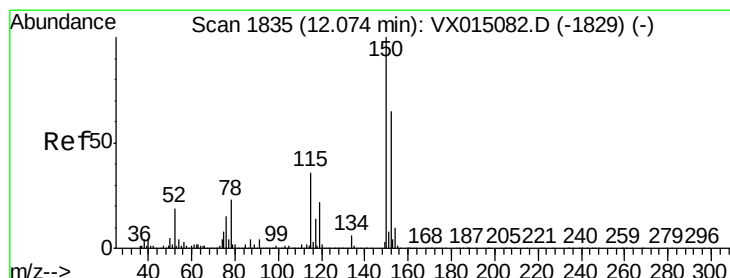
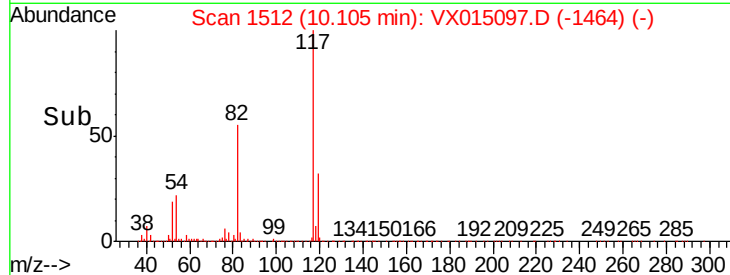
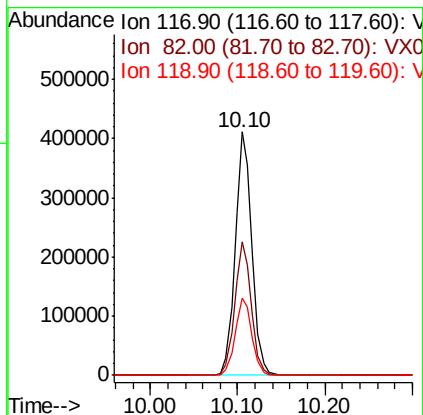
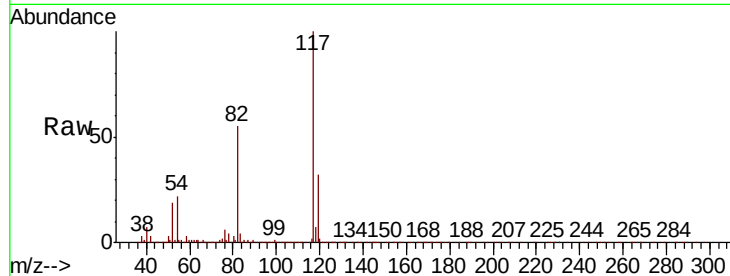




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

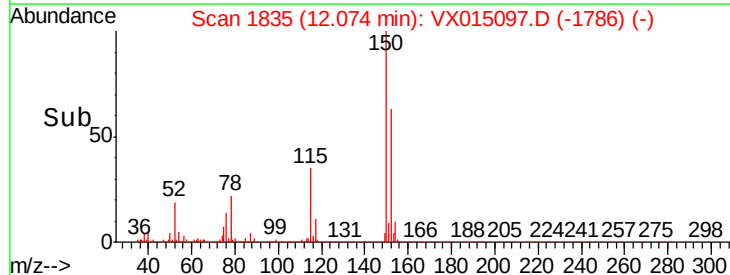
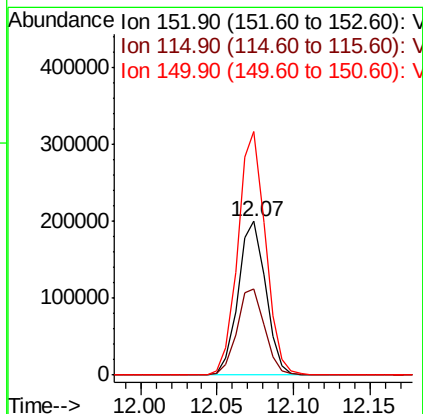
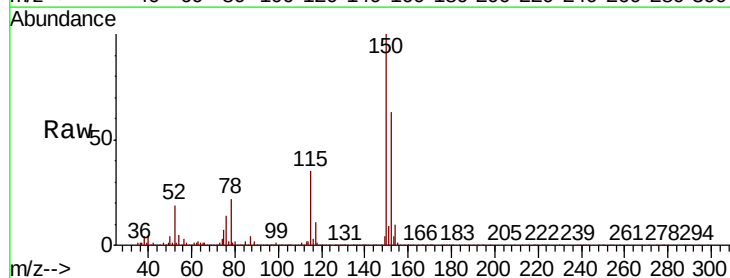
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

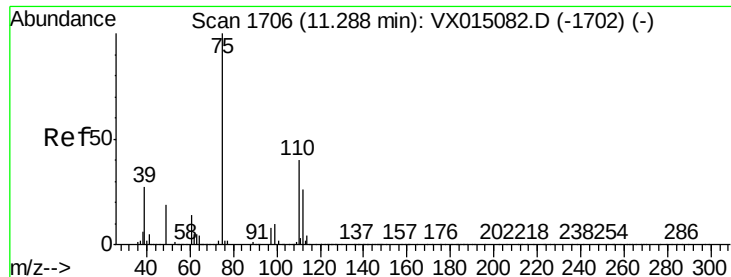
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.3	64.9
119	31.8	25.8	38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	38.2	114.6
150	157.7	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 25.016 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

Instrument :

MSVOA_X

ClientSampleId :

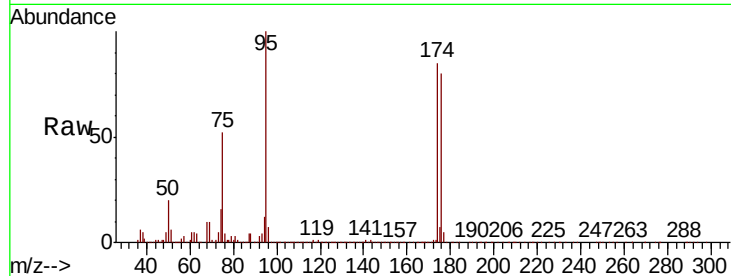
VX0305WBL01

Tot Ion: 75 Resp: 124688

Ion Ratio Lower Upper

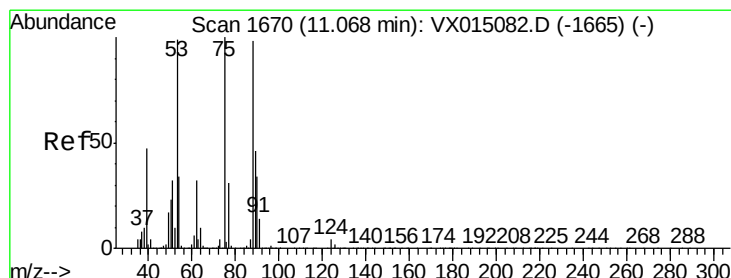
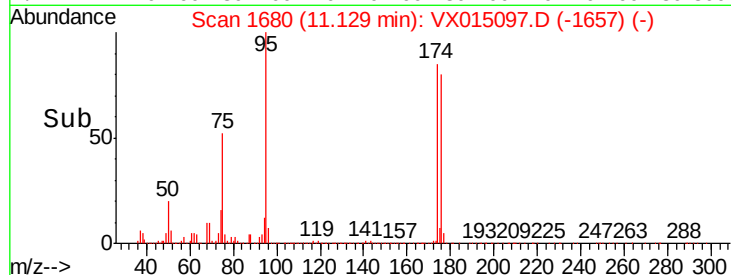
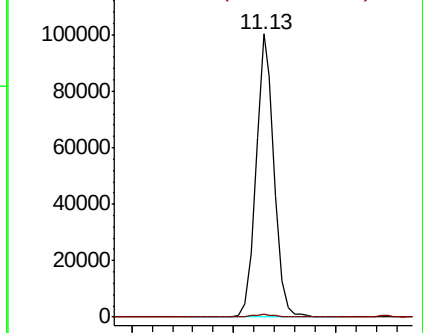
75 100

77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.996 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015097.D

Acq: 05 Mar 2020 09:19

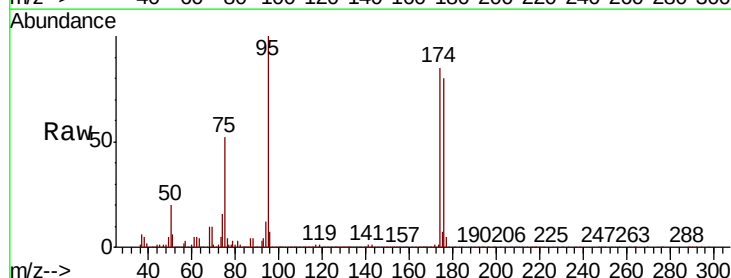
Tgt Ion: 75 Resp: 124688

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

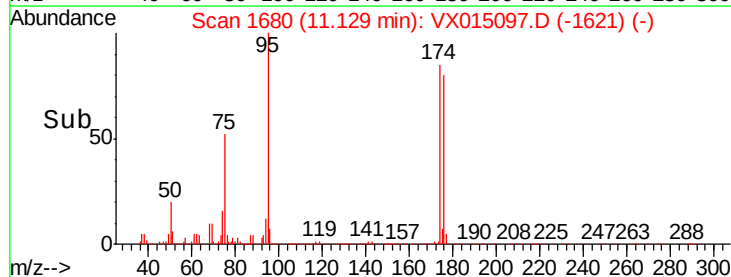
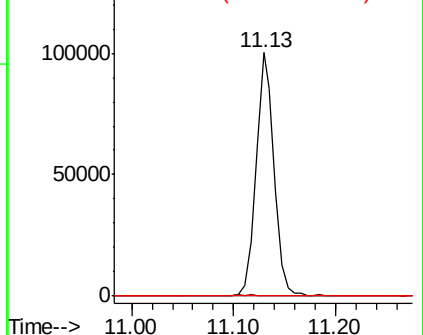
89 0.0 36.2 54.2#

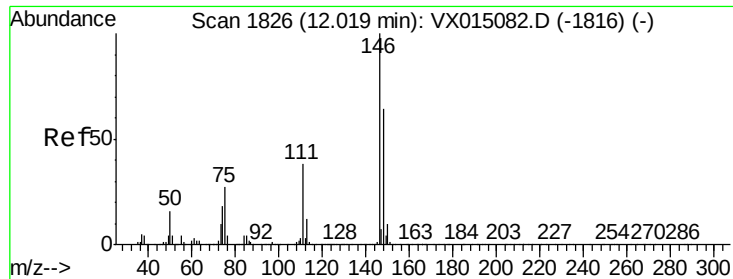


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

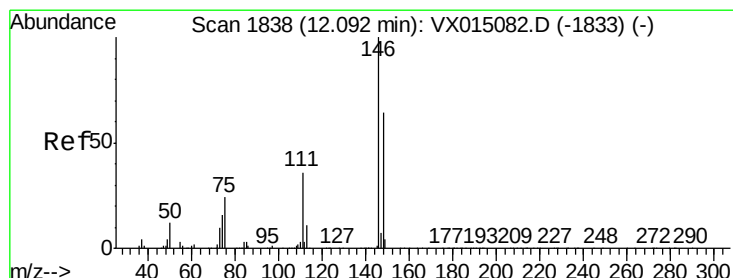
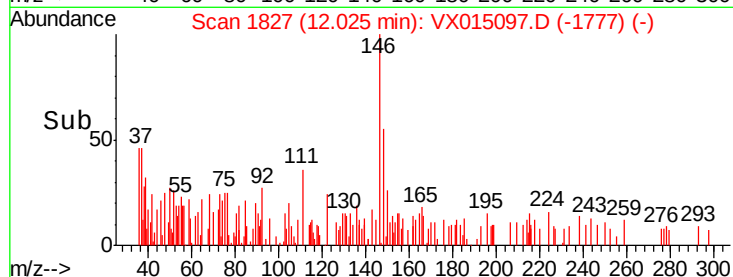
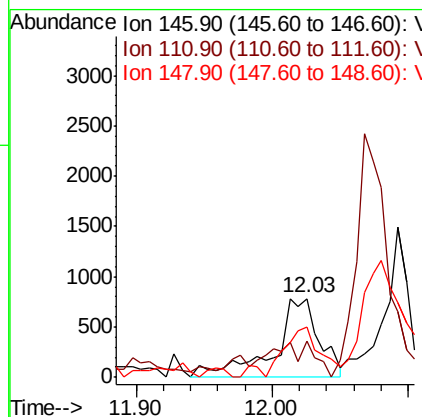
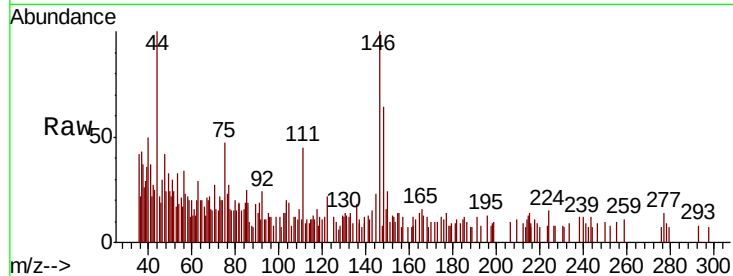




#87
 1,3-Dichlorobenzene
 Concen: 0.232 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

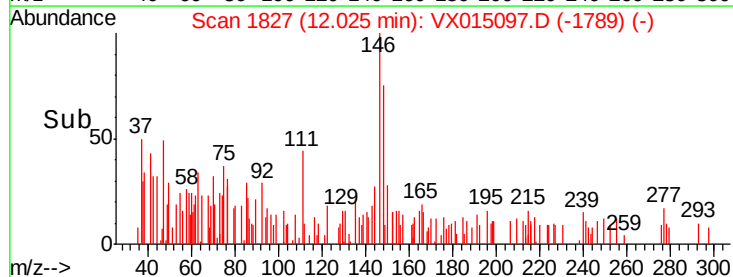
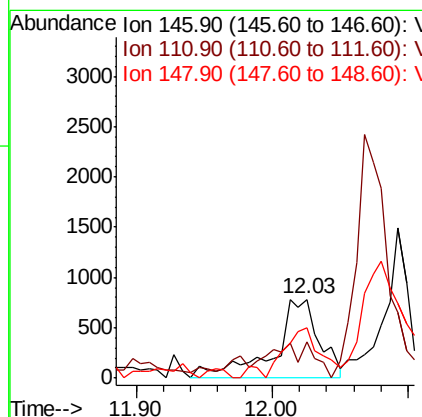
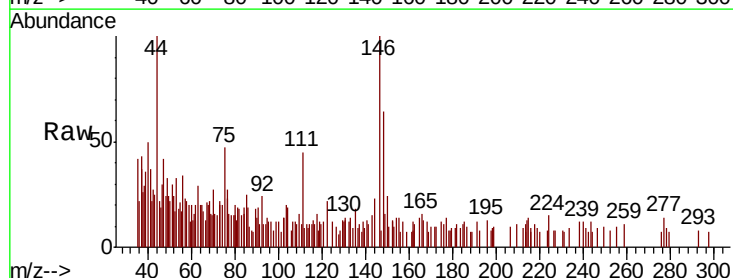
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBL01

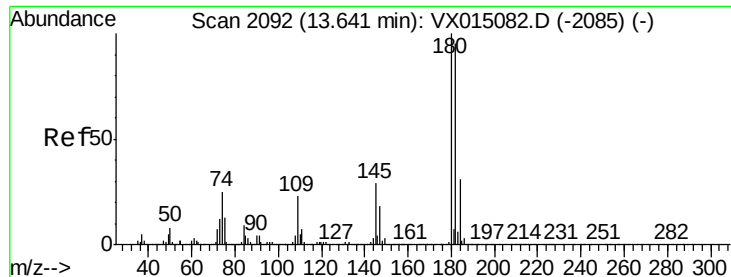
Tot Ion:146 Resp: 1817
 Ion Ratio Lower Upper
 146 100
 111 24.7 19.1 57.1
 148 54.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 0.225 ug/l
 RT: 12.03 min Scan# 1827
 Delta R.T. -0.07 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

Tgt Ion:146 Resp: 1817
 Ion Ratio Lower Upper
 146 100
 111 25.2 18.7 56.1
 148 54.9 32.5 97.4

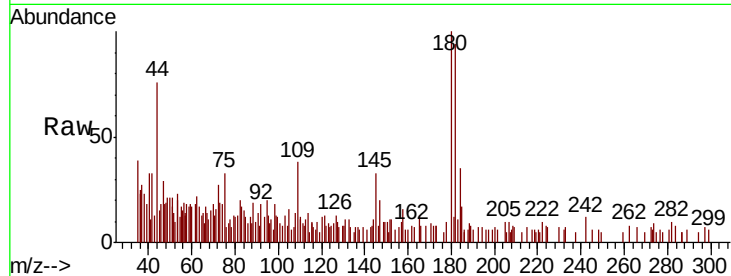




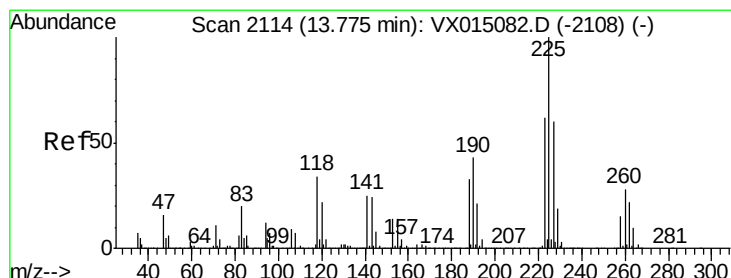
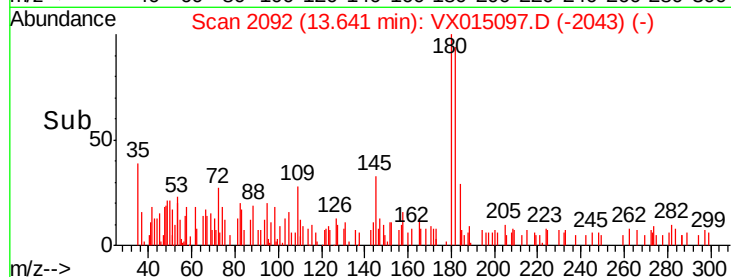
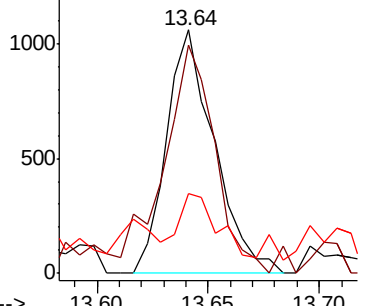
#93
 1,2,4-Trichlorobenzene
 Concen: 0.294 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

Instrument :
 MSVOA_X
 ClientSampled :
 VX0305WBL01

Tot Ion:180 Resp: 1584
 Ion Ratio Lower Upper
 180 100
 182 101.1 47.6 142.8
 145 27.1 14.1 42.2

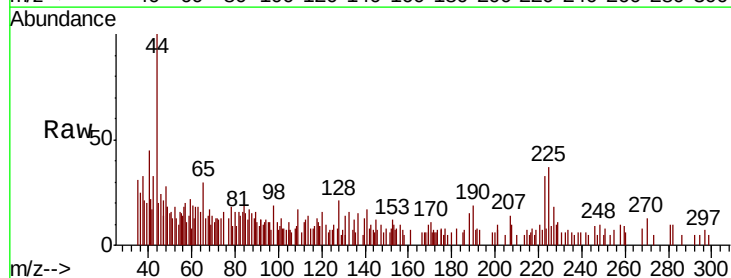


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

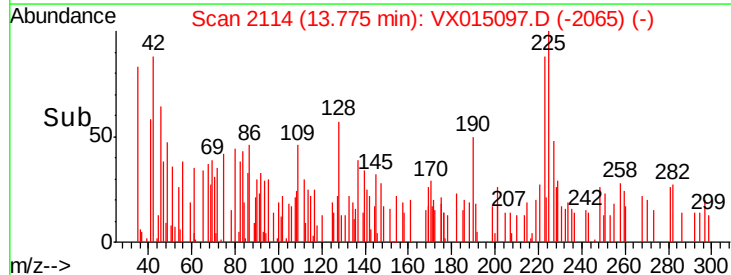
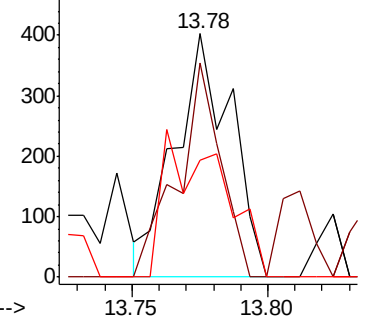


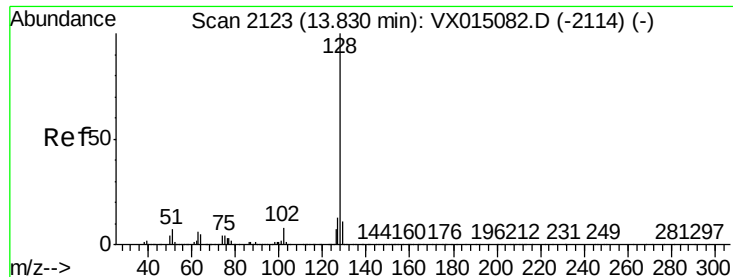
#94
 Hexachlorobutadiene
 Concen: 0.207 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015097.D
 Acq: 05 Mar 2020 09:19

Tgt Ion:225 Resp: 572
 Ion Ratio Lower Upper
 225 100
 223 67.7 31.3 93.9
 227 63.5 31.1 93.2



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: 1.609 ug/l
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX015097.D
Acq: 05 Mar 2020 09:19

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	28.4	10.3	15.5#
129	19.9	8.6	13.0#

