

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
 Data File : VX015006.D
 Acq On : 26 Feb 2020 09:22
 Operator : JC/SP
 Sample : VX0226WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0226WBL01

Quant Time: Feb 26 12:50:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	456945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	712354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	654338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	295983	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	255223	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	5.48	113	216162	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	8.71	98	858980	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.13	95	289798	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

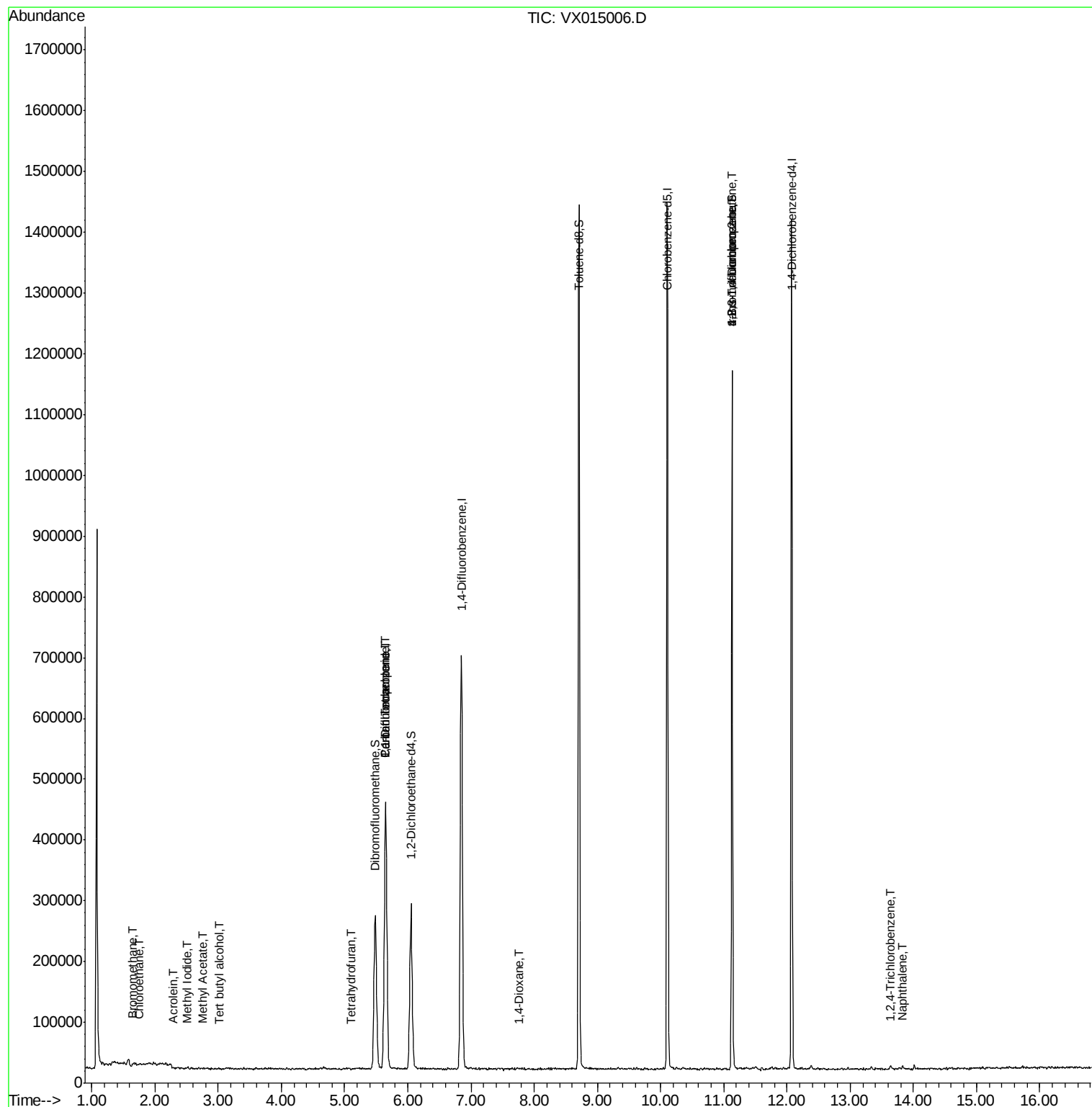
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	2184	0.64	ug/l	92
6) Chloroethane	1.73	64	831	0.25	ug/l #	72
10) Methyl Iodide	2.51	142	2356	4.82	ug/l #	80
11) Tert butyl alcohol	3.02	59	202	0.22	ug/l #	1
13) Acrolein	2.28	56	260	0.37	ug/l #	40
16) Acetone	2.43	43	642	Below Cal	#	37
18) Methyl Acetate	2.76	43	1059	0.20	ug/l #	63
29) Tetrahydrofuran	5.10	42	604	0.30	ug/l #	84
36) 1,1-Dichloropropene	5.65	75	31155	4.89	ug/l #	51
38) Carbon Tetrachloride	5.65	117	40066	6.45	ug/l #	17
49) 1,4-Dioxane	7.75	88	320	3.17	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	142646	26.65	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	142646	68.22	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	2260	0.34	ug/l	91
95) Naphthalene	13.83	128	4568	0.26	ug/l #	85

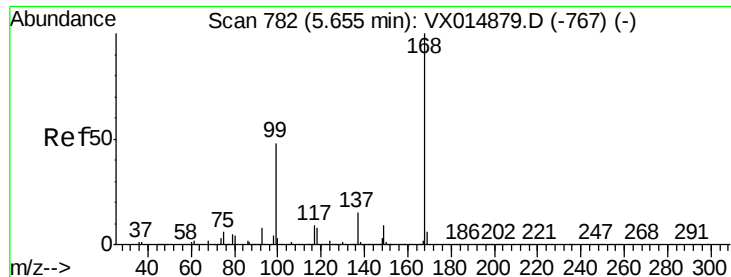
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

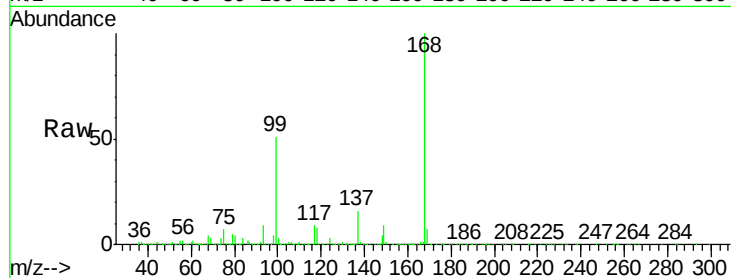
VX0226WBL01

Tgt Ion: 168 Resp: 456945

Ion Ratio Lower Upper

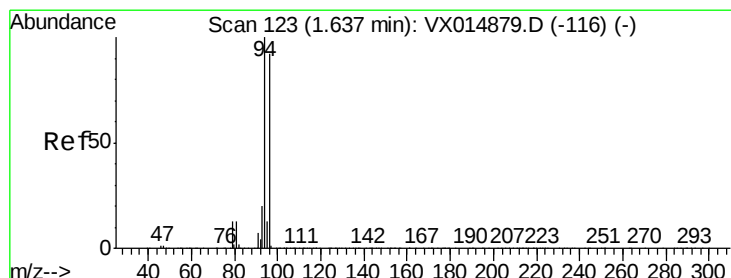
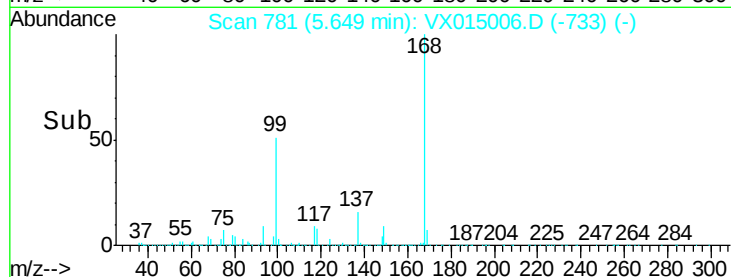
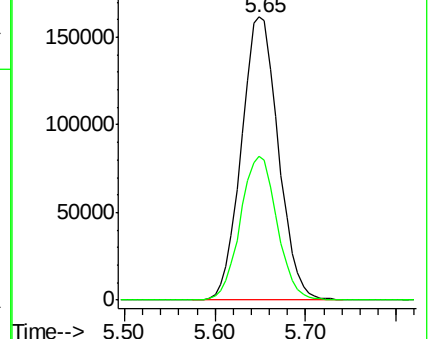
168 100

99 50.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.64 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015006.D

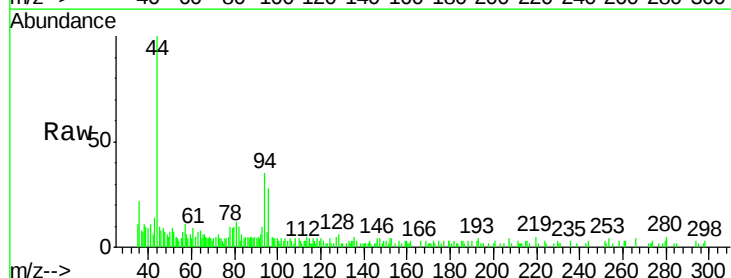
Acq: 26 Feb 2020 09:22

Tgt Ion: 94 Resp: 2184

Ion Ratio Lower Upper

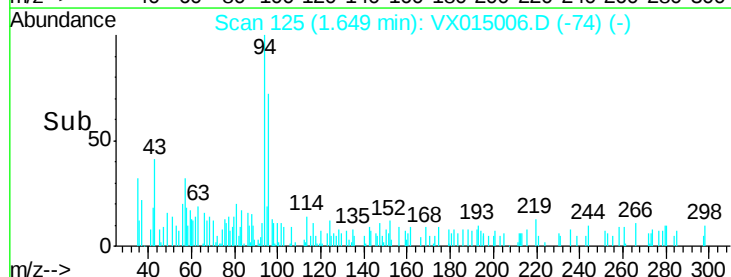
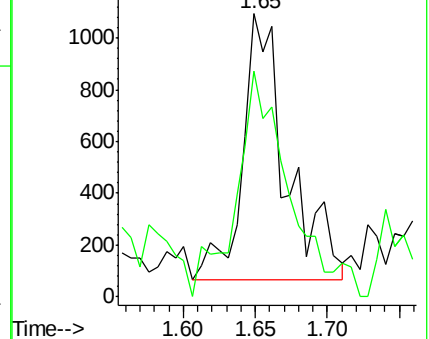
94 100

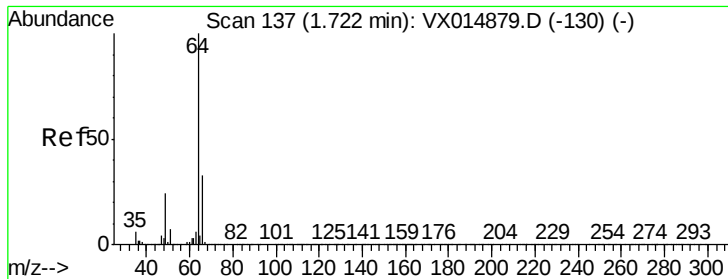
96 84.8 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.73 min Scan# 139

Delta R.T. 0.01 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

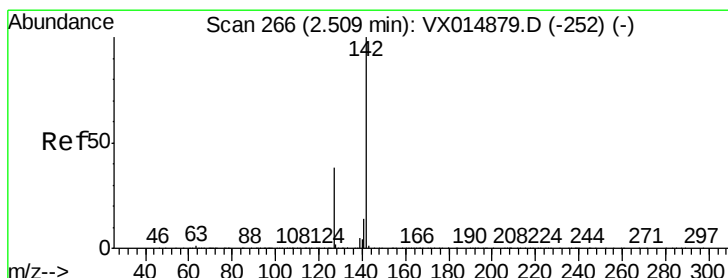
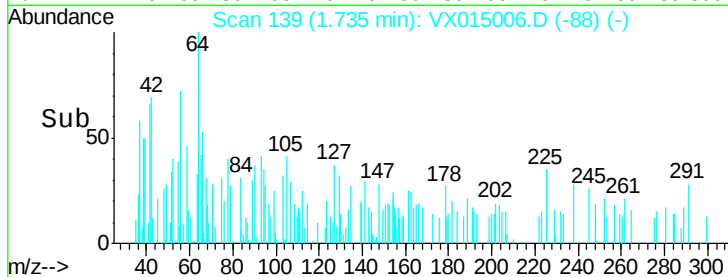
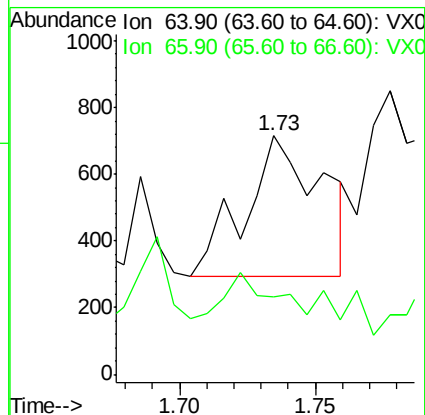
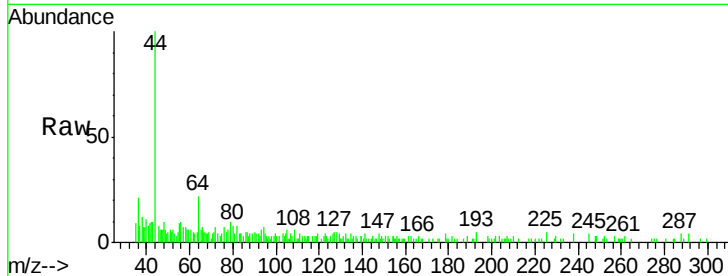
VX0226WBL01

Tgt Ion: 64 Resp: 831

Ion Ratio Lower Upper

64 100

66 16.9 26.2 39.4#



#10

Methyl Iodide

Concen: 4.82 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

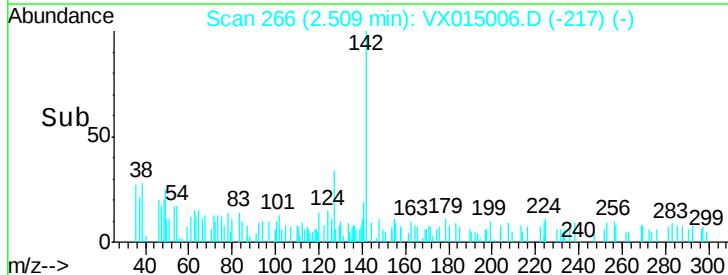
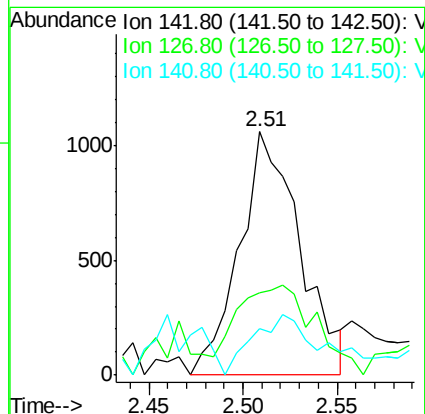
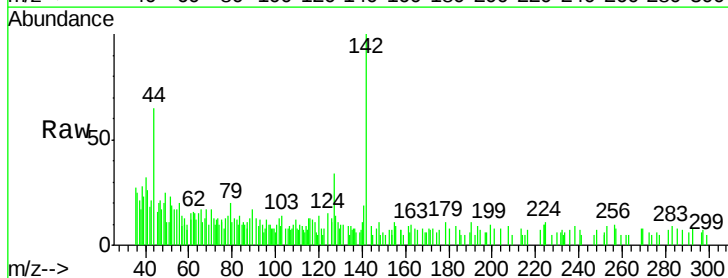
Tgt Ion: 142 Resp: 2356

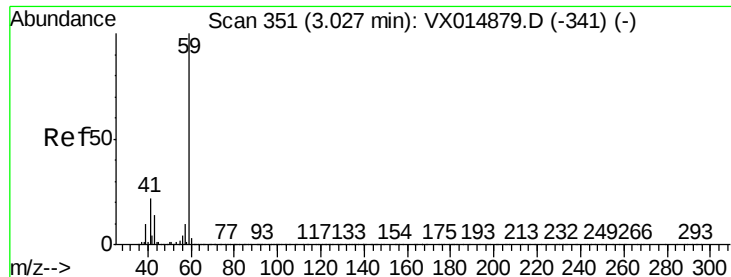
Ion Ratio Lower Upper

142 100

127 47.2 31.1 46.7#

141 29.5 11.3 16.9#





#11

Tert butyl alcohol

Concen: 0.22 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

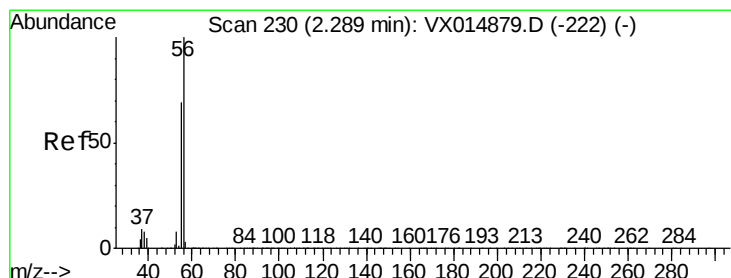
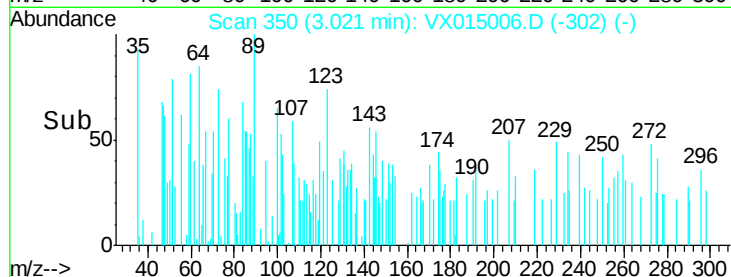
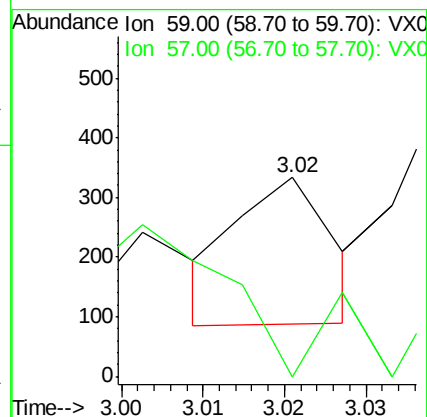
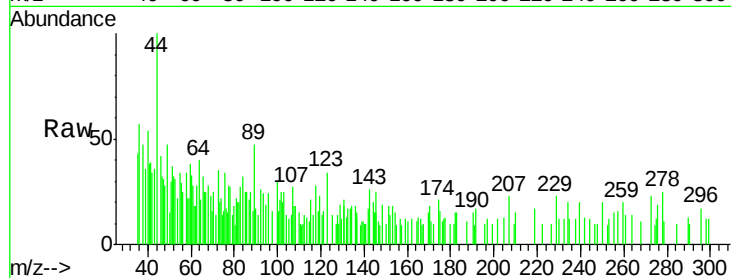
VX0226WBL01

Tgt Ion: 59 Resp: 202

Ion Ratio Lower Upper

59 100

57 143.1 8.2 12.4#



#13

Acrolein

Concen: 0.37 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX015006.D

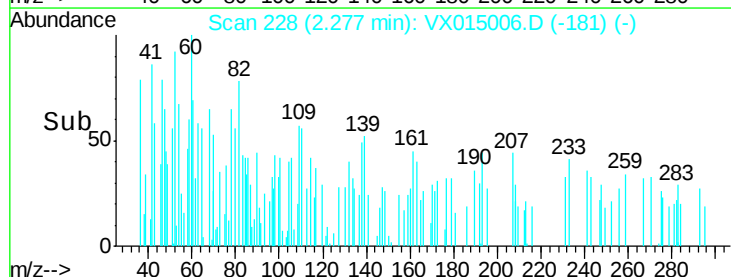
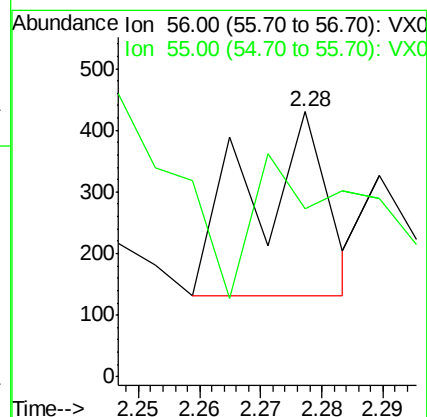
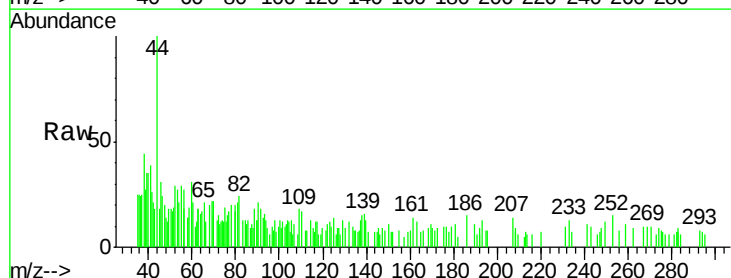
Acq: 26 Feb 2020 09:22

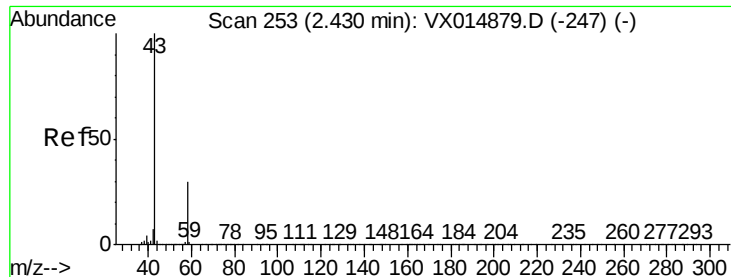
Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 117.7 55.0 82.4#

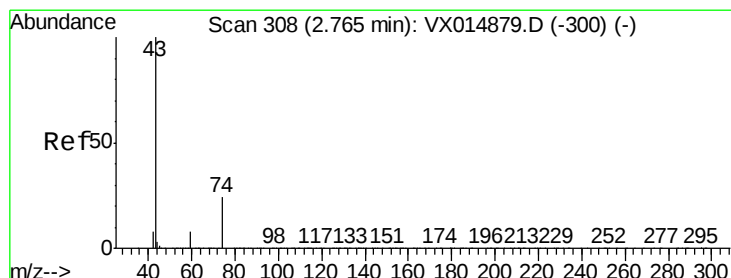
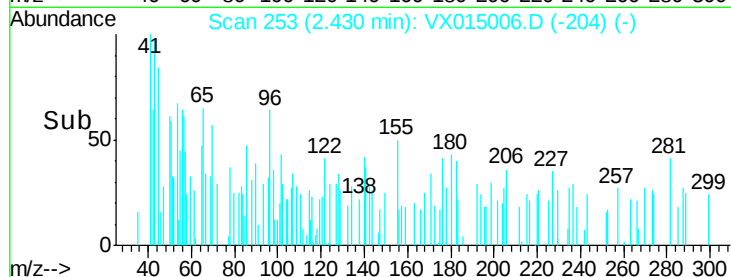
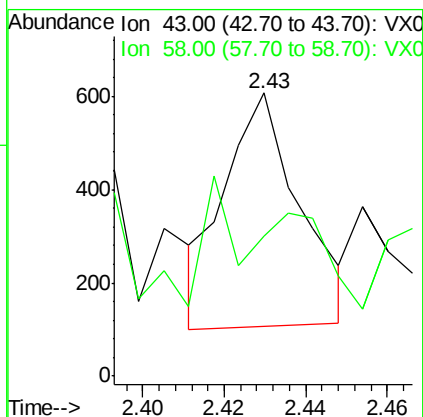
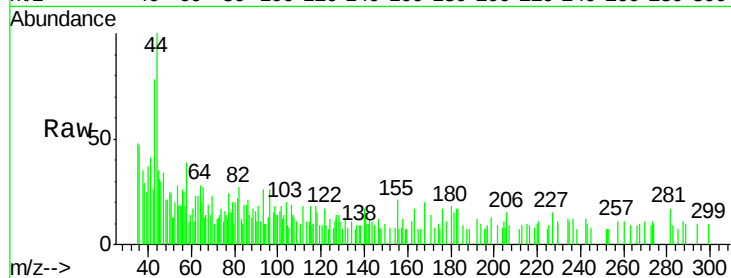




#16
Acetone
Concen: Below Cal
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX015006.D
Acq: 26 Feb 2020 09:22

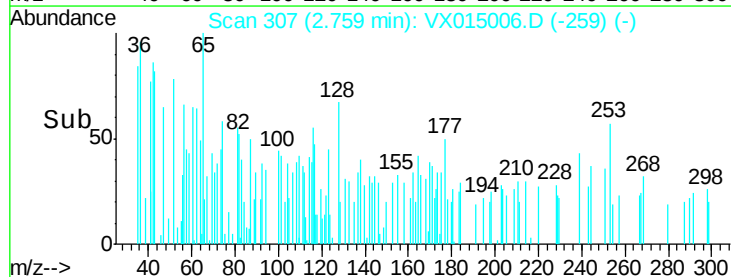
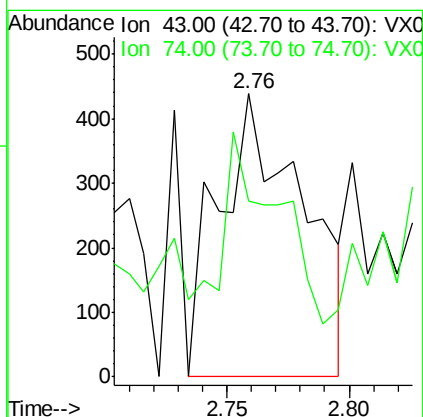
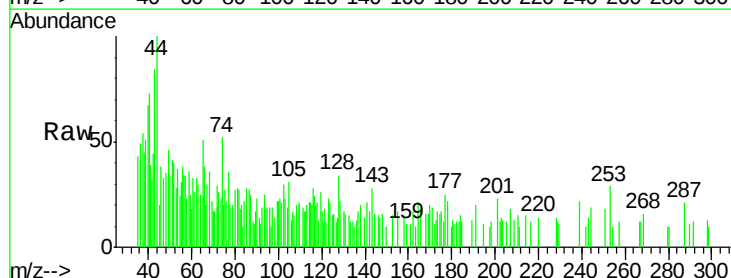
Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

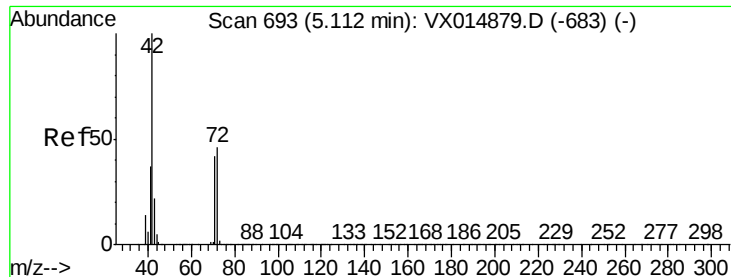
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
58 64.3 24.1 36.1#



#18
Methyl Acetate
Concen: 0.20 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX015006.D
Acq: 26 Feb 2020 09:22

Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
74 42.7 19.4 29.0#

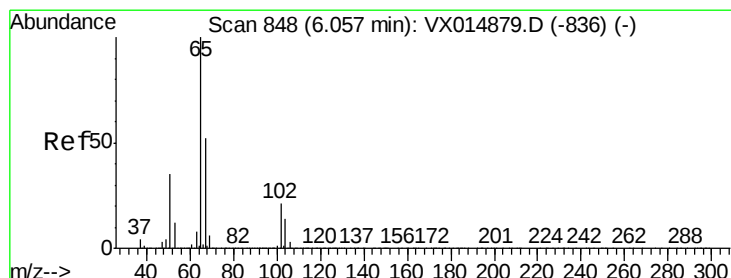
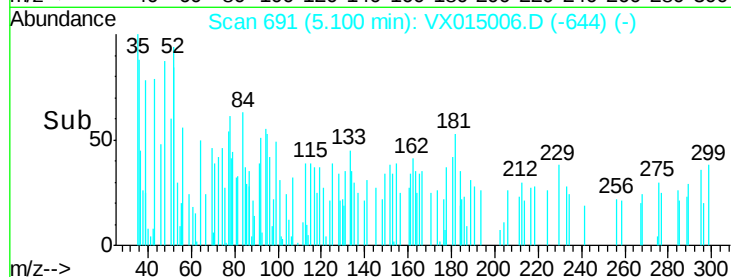
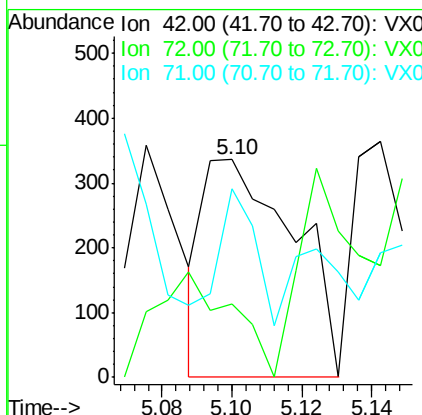
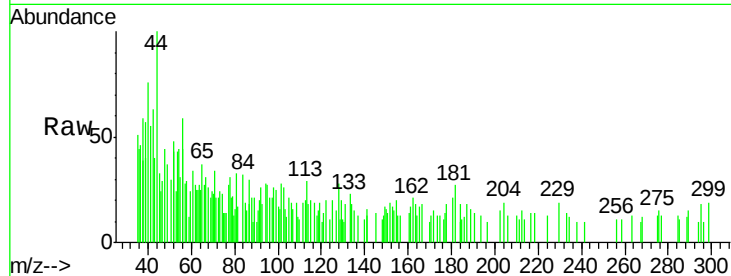




#29
Tetrahydrofuran
Concen: 0.30 ug/l
RT: 5.10 min Scan# 691
Delta R.T. -0.01 min
Lab File: VX015006.D
Acq: 26 Feb 2020 09:22

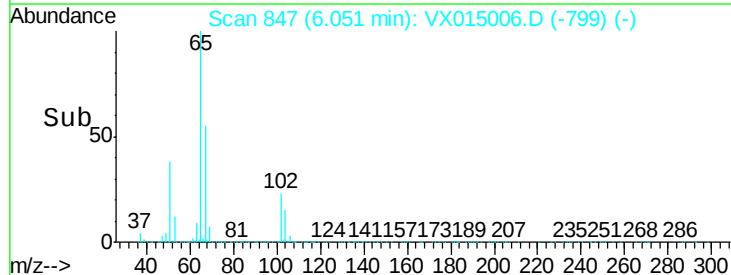
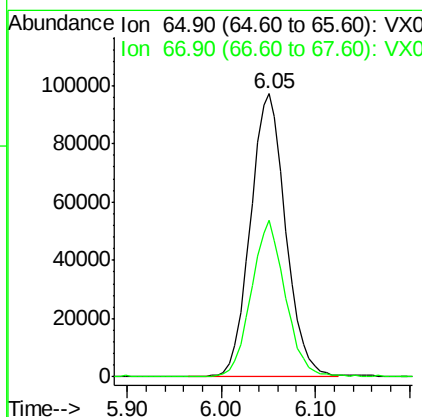
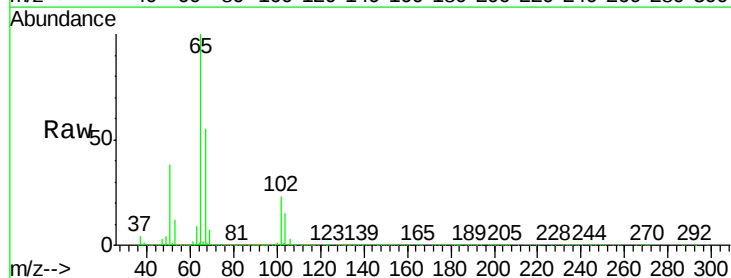
Instrument :
MSVOA_X
ClientSampled :
VX0226WBL01

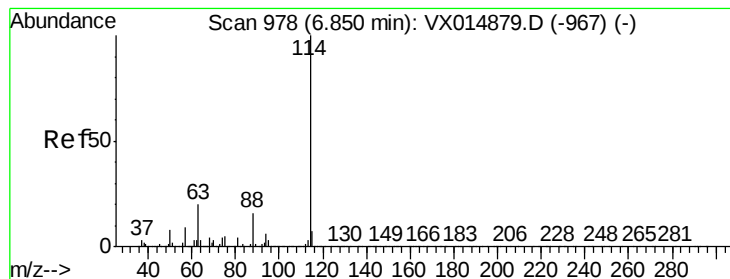
Tgt Ion: 42 Resp: 604
Ion Ratio Lower Upper
42 100
72 41.4 36.9 55.3
71 26.8 34.1 51.1#



#33
1,2-Dichloroethane-d4
Concen: 49.49 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX015006.D
Acq: 26 Feb 2020 09:22

Tgt Ion: 65 Resp: 255223
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

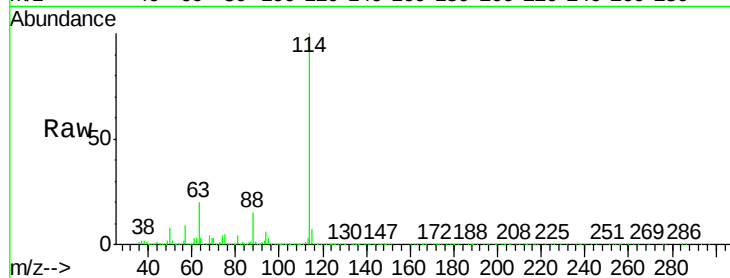
Tgt Ion:114 Resp: 712354

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

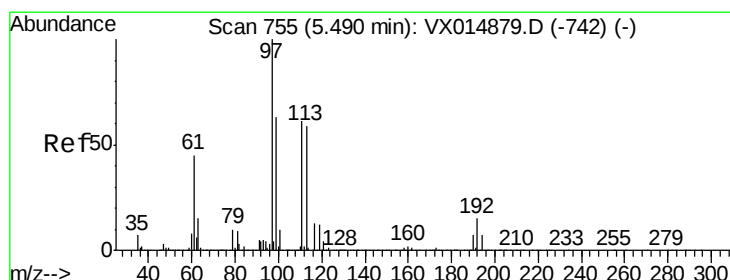
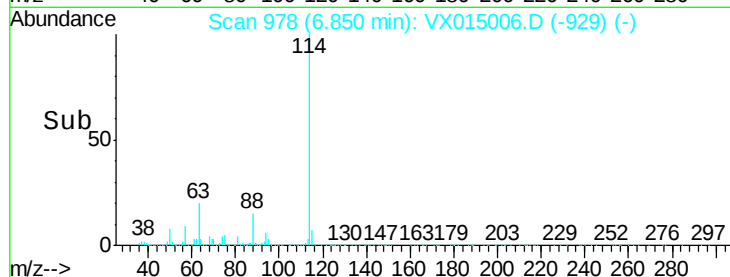
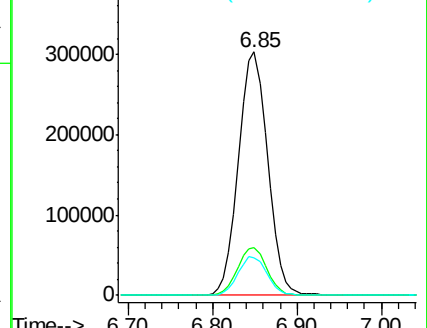
88 15.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.36 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

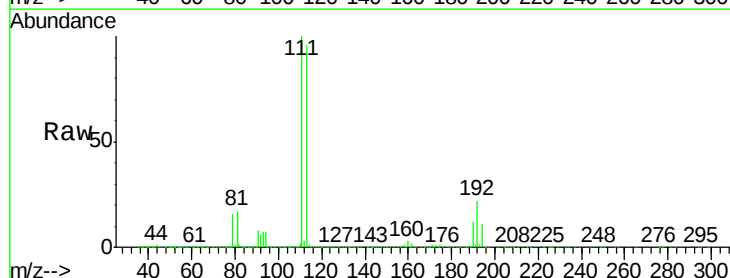
Tgt Ion:113 Resp: 216162

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

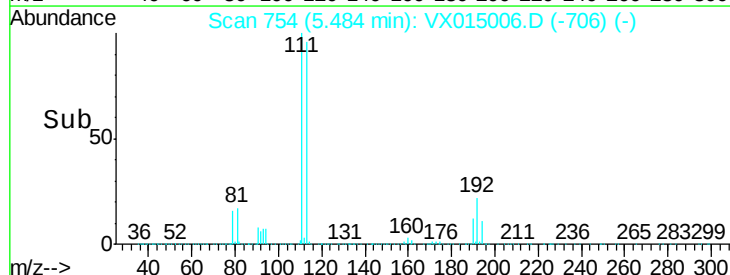
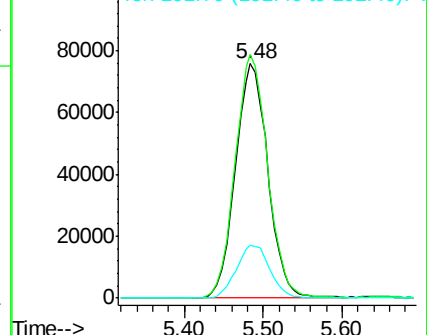
192 23.2 19.1 28.7

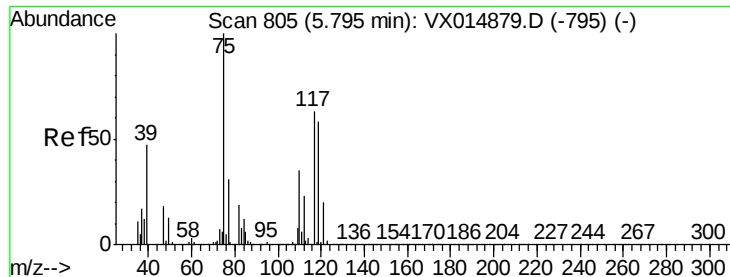


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.89 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

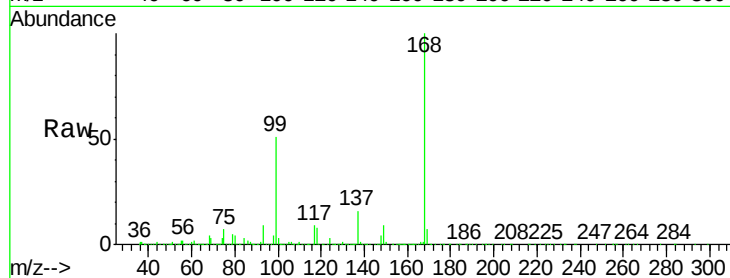
Tgt Ion: 75 Resp: 31155

Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

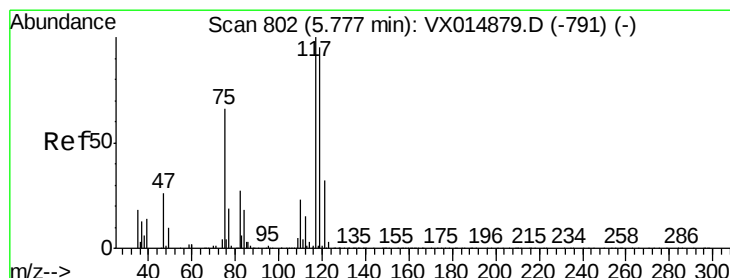
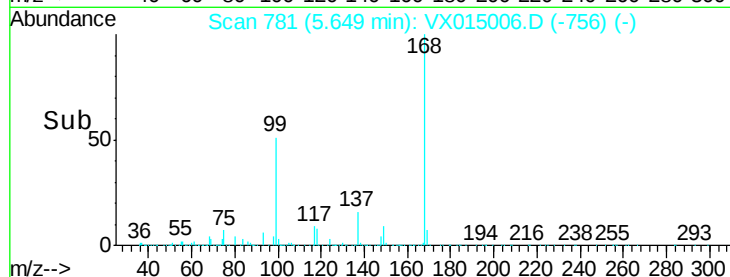
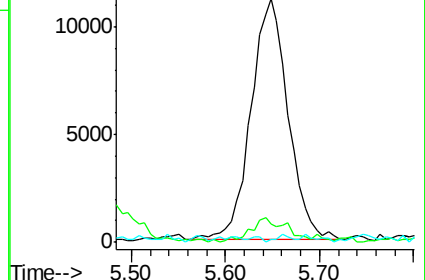
77 1.2 24.6 36.8#



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: 6.45 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

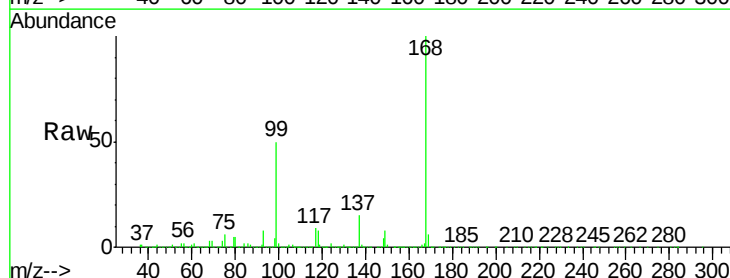
Tgt Ion: 117 Resp: 40066

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

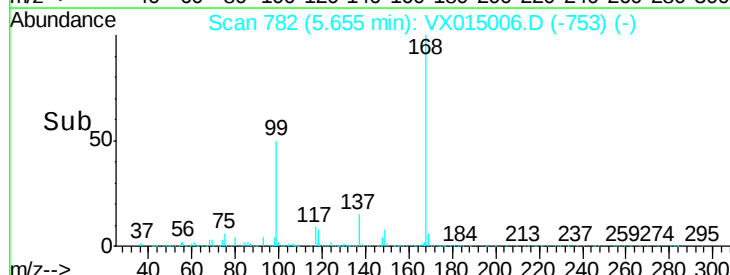
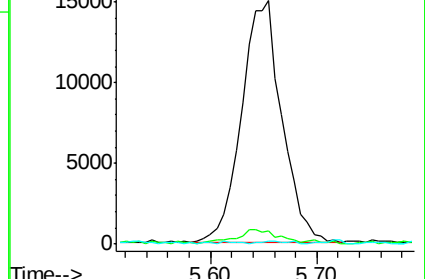
121 0.9 25.4 38.2#

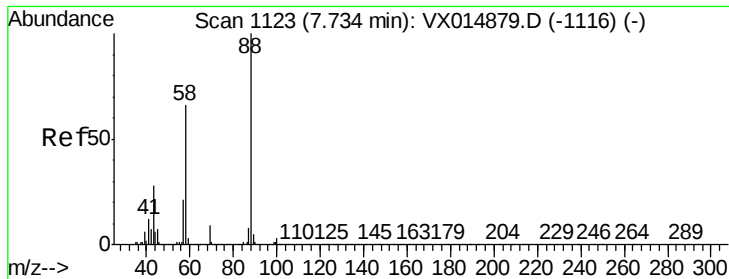


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 3.17 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

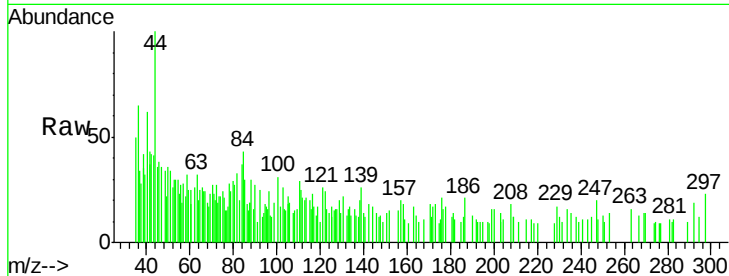
Tgt Ion: 88 Resp: 320

Ion Ratio Lower Upper

88 100

43 90.0 27.0 40.4#

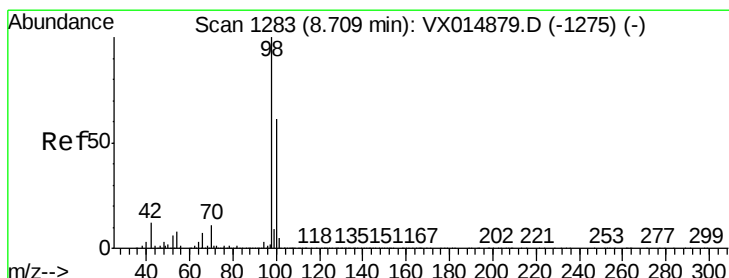
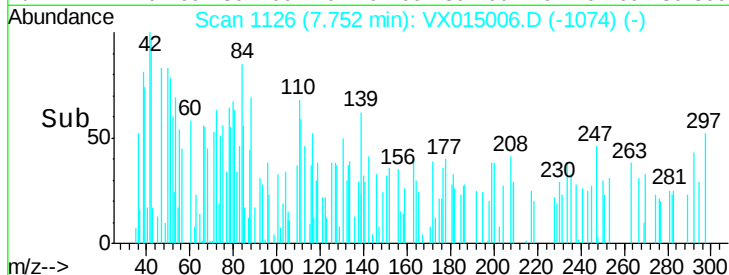
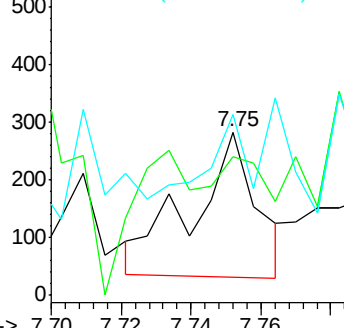
58 51.6 53.2 79.8#



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: 51.39 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015006.D

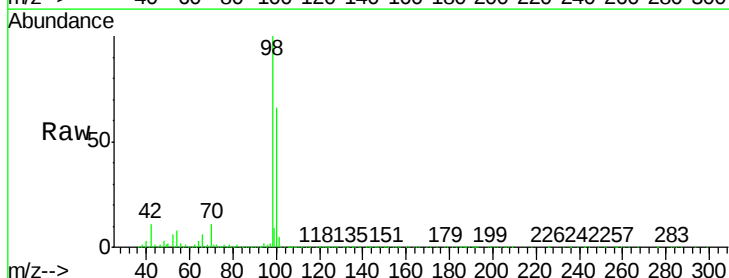
Acq: 26 Feb 2020 09:22

Tgt Ion: 98 Resp: 858980

Ion Ratio Lower Upper

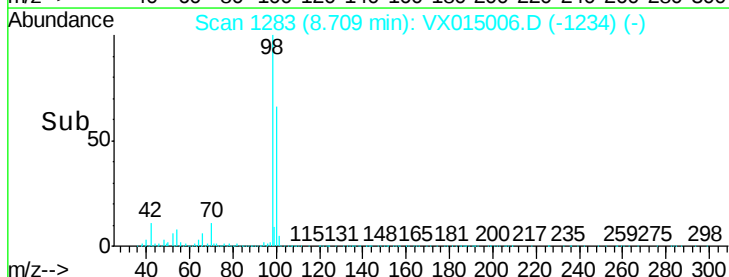
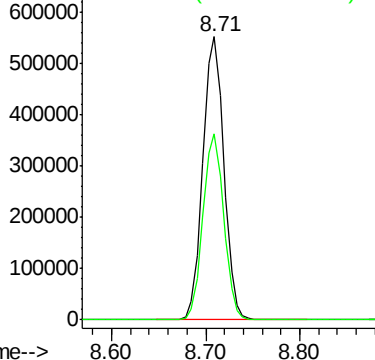
98 100

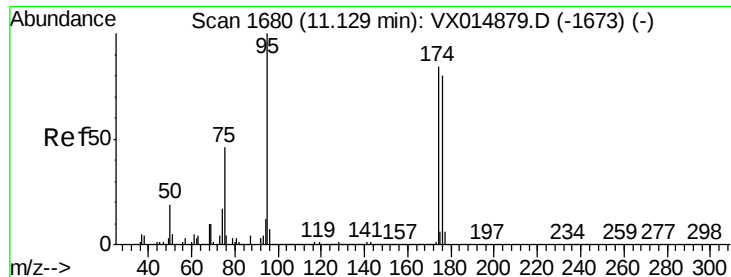
100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

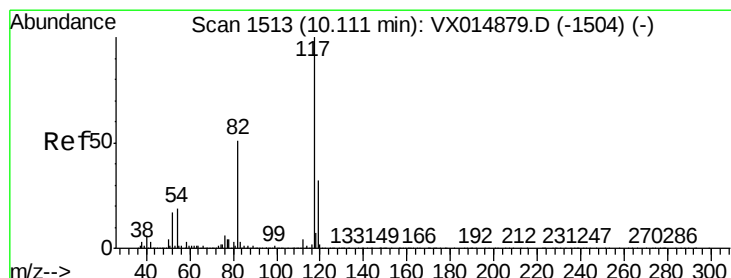
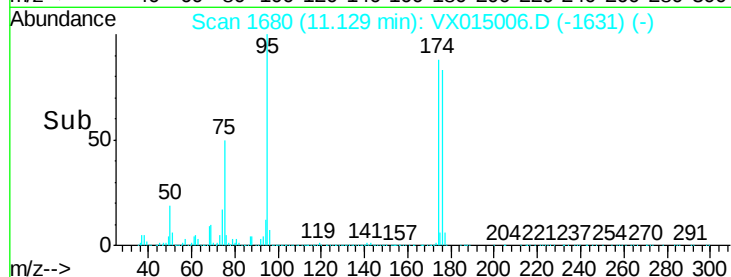
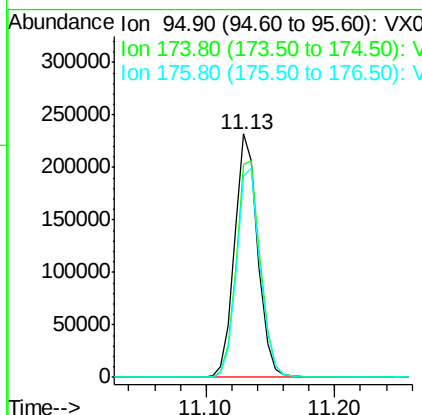
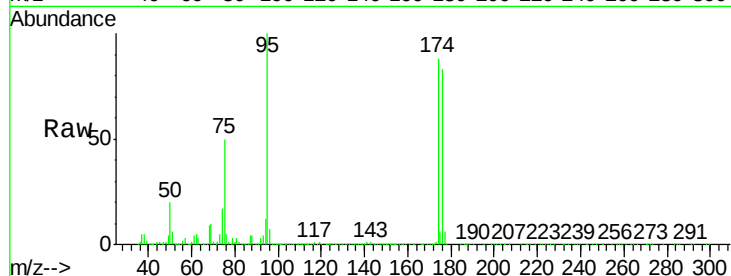




#62
4-Bromofluorobenzene
Concen: 48.12 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX015006.D
Acq: 26 Feb 2020 09:22

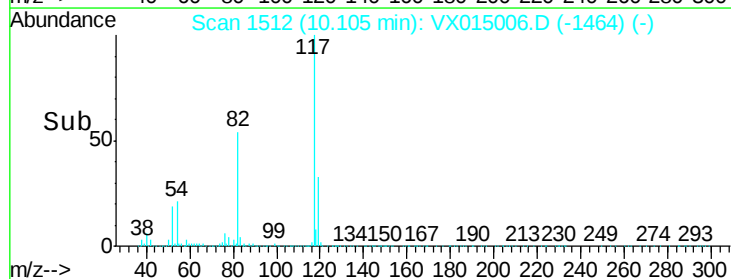
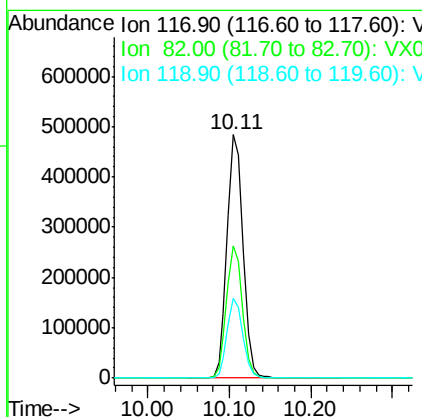
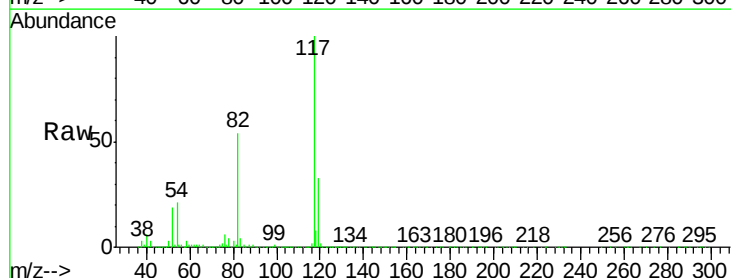
Instrument :
MSVOA_X
ClientSampleId :
VX0226WBL01

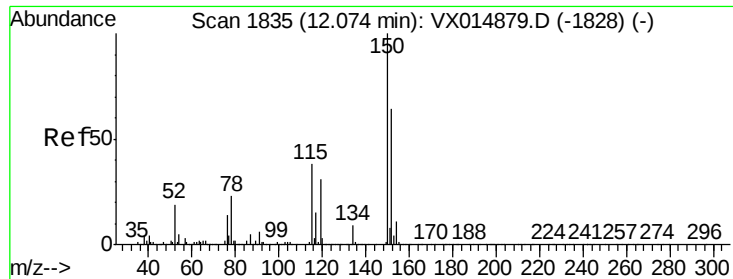
Tgt Ion: 95 Resp: 289798
Ion Ratio Lower Upper
95 100
174 93.3 0.0 183.0
176 88.2 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015006.D
Acq: 26 Feb 2020 09:22

Tgt Ion: 117 Resp: 654338
Ion Ratio Lower Upper
117 100
82 54.1 40.5 60.7
119 32.5 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

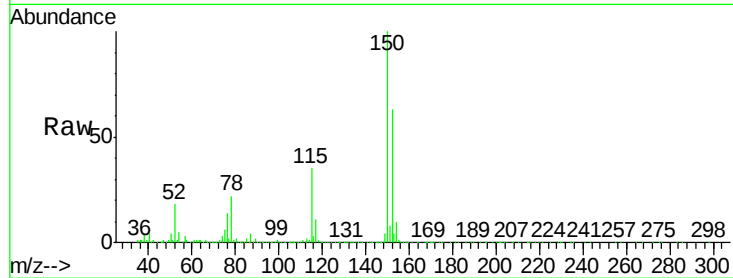
Tgt Ion: 152 Resp: 295983

Ion Ratio Lower Upper

152 100

115 55.4 38.6 116.0

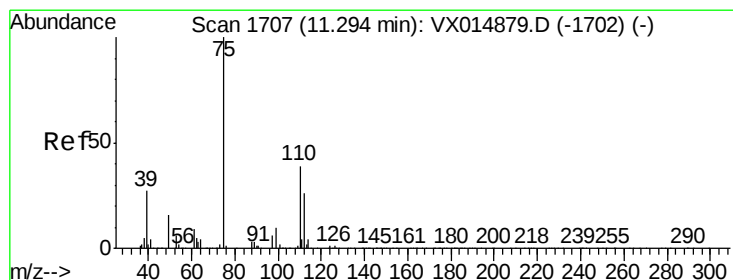
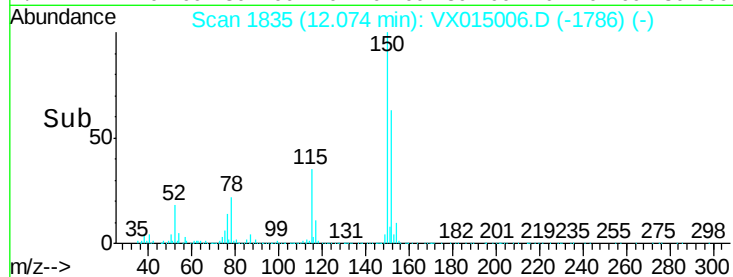
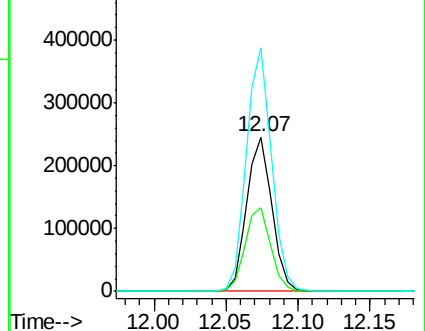
150 158.2 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 26.65 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015006.D

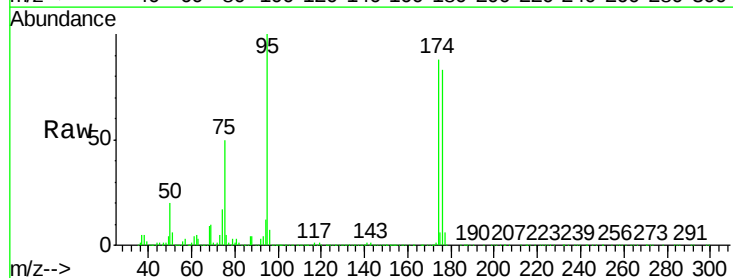
Acq: 26 Feb 2020 09:22

Tgt Ion: 75 Resp: 142646

Ion Ratio Lower Upper

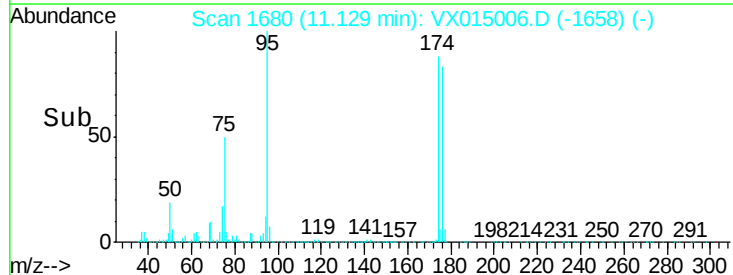
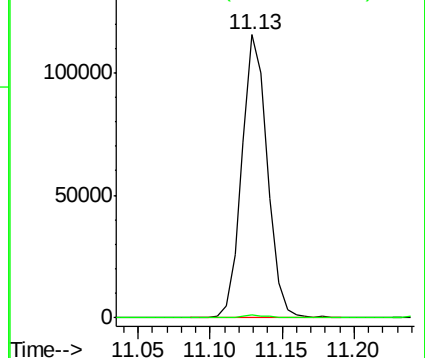
75 100

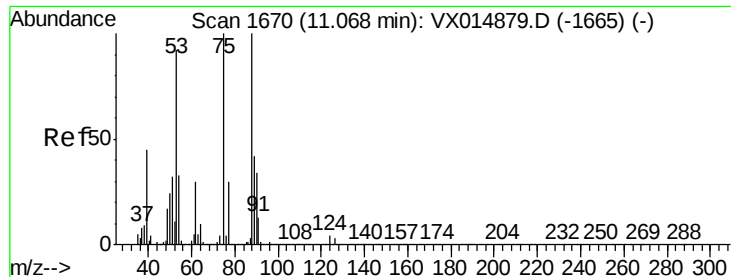
77 1.4 18.4 55.0#



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: 68.22 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

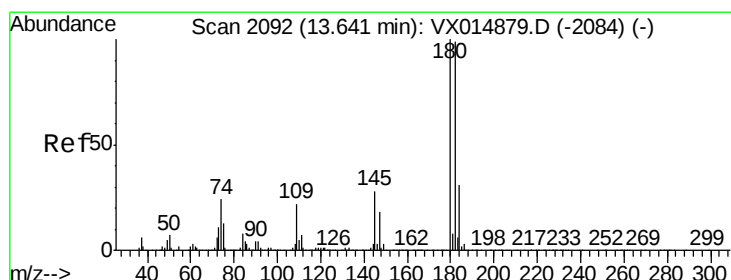
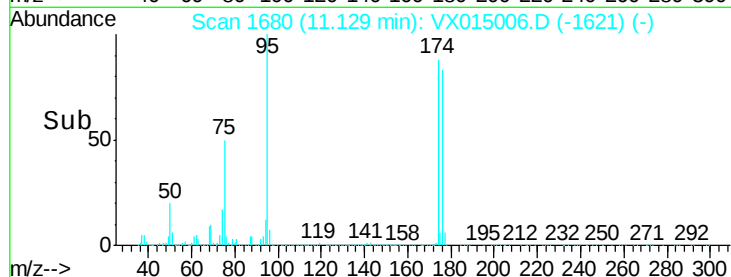
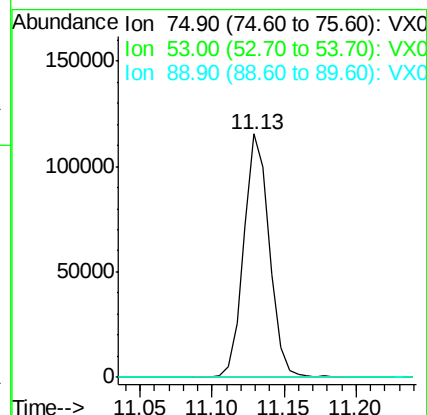
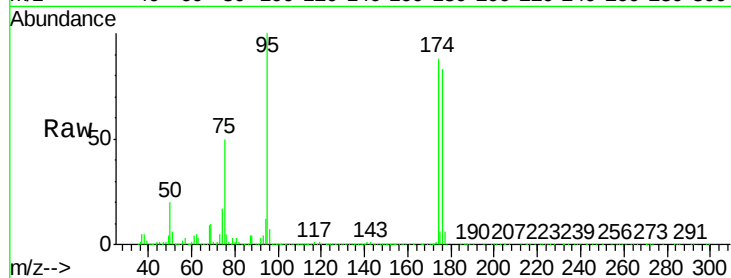
Tgt Ion: 75 Resp: 142646

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.2 35.8 53.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.34 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

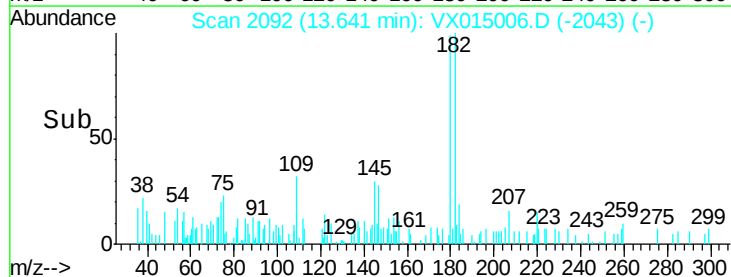
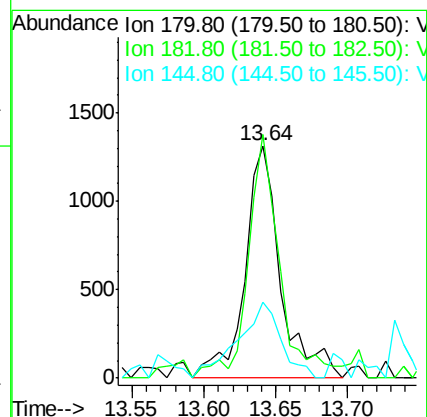
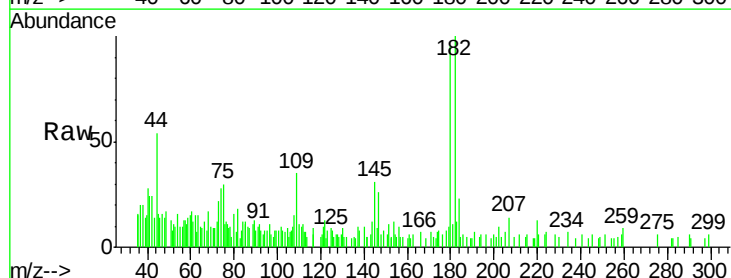
Tgt Ion: 180 Resp: 2260

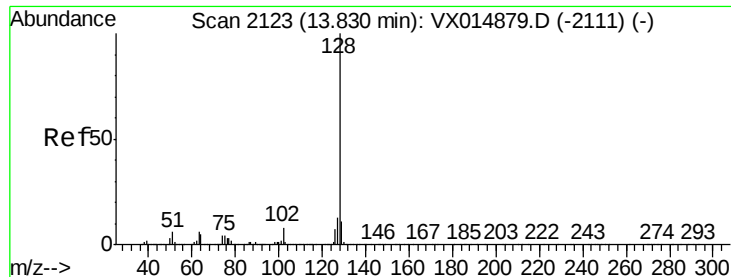
Ion Ratio Lower Upper

180 100

182 91.5 48.4 145.3

145 39.4 14.1 42.4





#95

Naphthalene

Concen: 0.26 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX015006.D

Acq: 26 Feb 2020 09:22

Instrument :

MSVOA_X

ClientSampleId :

VX0226WBL01

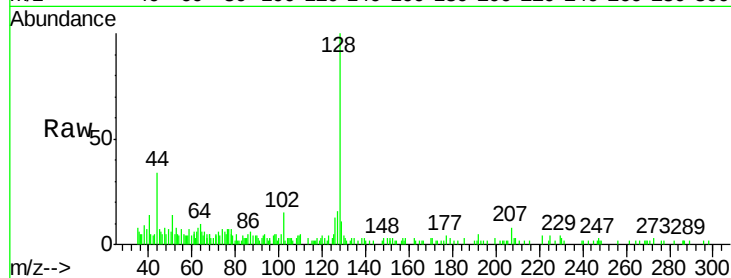
Tgt Ion:128 Resp: 4568

Ion Ratio Lower Upper

128 100

127 20.9 10.4 15.6#

129 14.0 8.6 13.0#



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

