

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014359.D
 Acq On : 30 Dec 2019 17:20
 Operator : JC/SP
 Sample : K6460-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 01:20:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	517752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	803712	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	705979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309019	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	293215	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
35) Dibromofluoromethane	5.49	113	242827	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.71	98	955091	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.14	95	314054	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

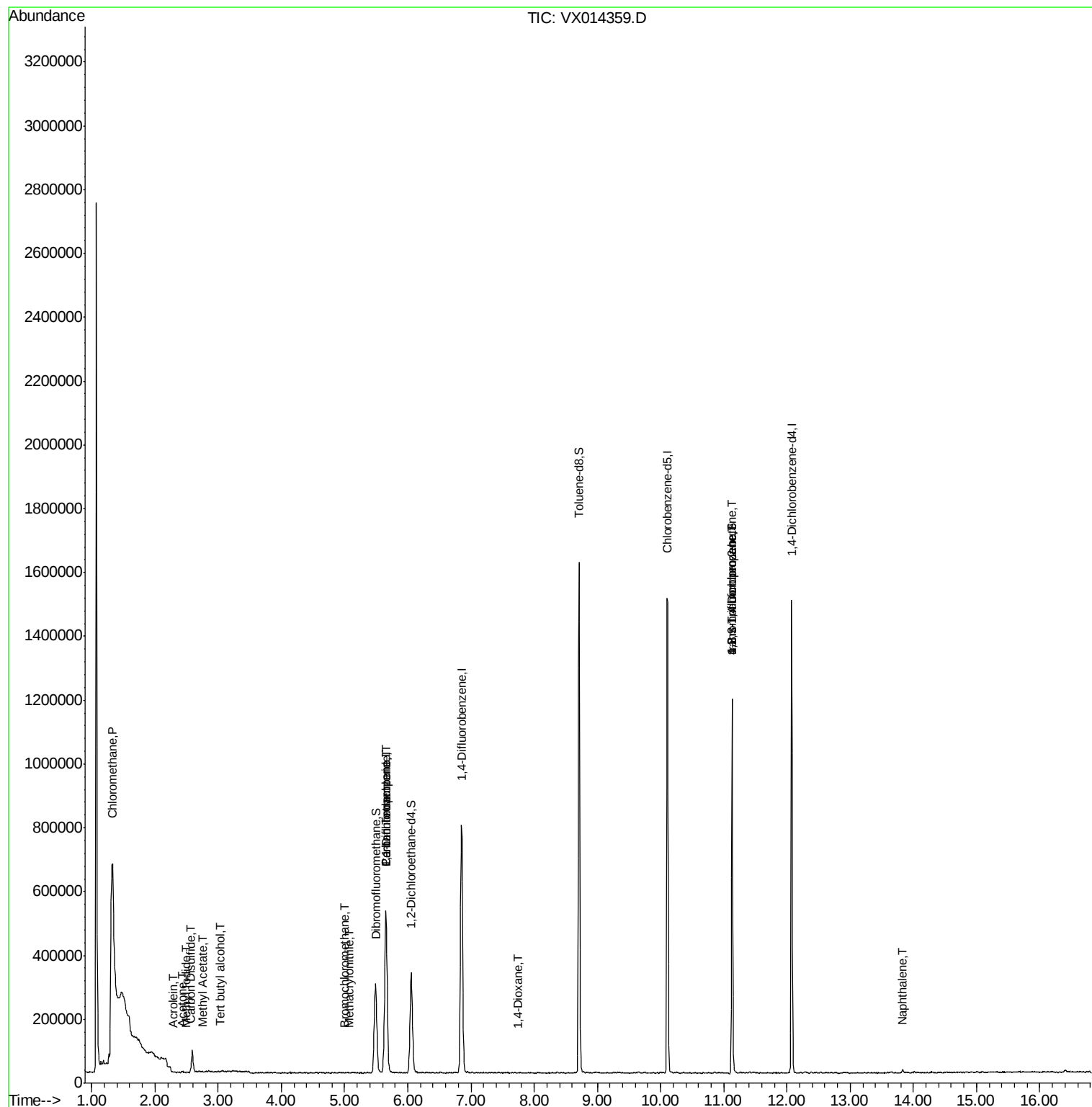
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	43143	6.940	ug/l #	55
10) Methyl Iodide	2.50	142	135	2.641	ug/l #	1
11) Tert butyl alcohol	3.03	59	461	0.364	ug/l #	1
13) Acrolein	2.28	56	756	1.042	ug/l #	80
16) Acetone	2.44	43	5109	1.341	ug/l	98
17) Carbon Disulfide	2.56	76	12637	1.650	ug/l #	87
18) Methyl Acetate	2.76	43	3031	0.402	ug/l #	71
28) Bromochloromethane	5.00	49	134	0.489	ug/l #	61
36) 1,1-Dichloropropene	5.65	75	34860	4.727	ug/l #	46
38) Carbon Tetrachloride	5.65	117	46636	6.942	ug/l #	18
41) Methacrylonitrile	5.08	41	1517	0.336	ug/l #	37
49) 1,4-Dioxane	7.74	88	268	1.996	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	150625	22.452	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	150625	63.371	ug/l #	11
95) Naphthalene	13.83	128	6962	0.345	ug/l #	90

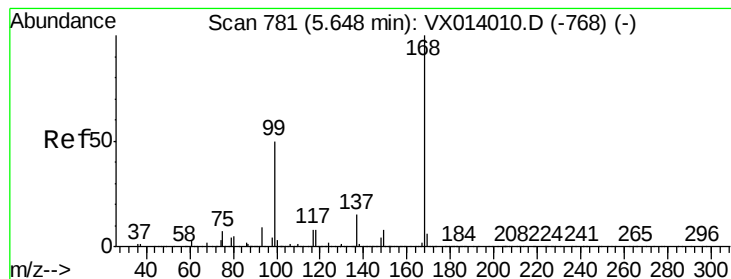
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

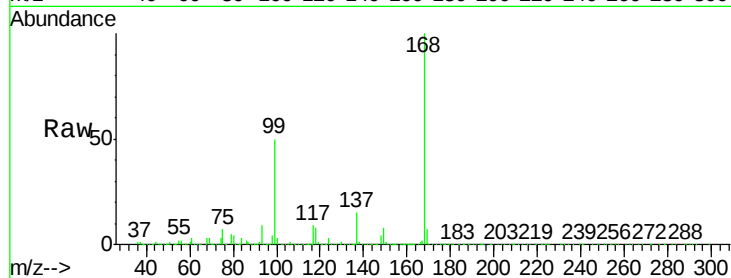
ClientSampleId :

Tot Ion:168 Resp: 517752

Ion Ratio Lower Upper

168 100

99 50.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

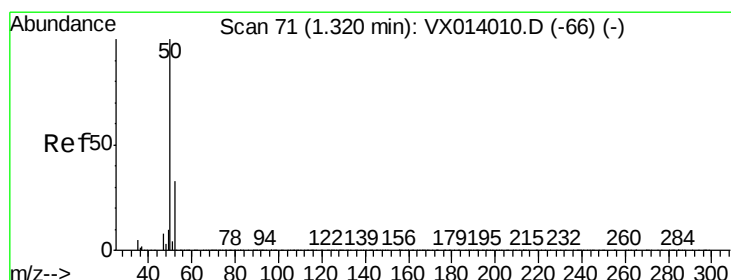
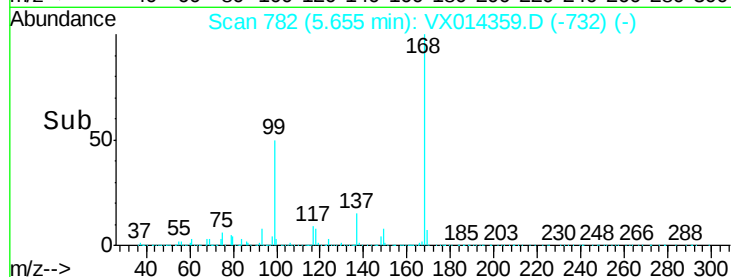
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 6.940 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014359.D

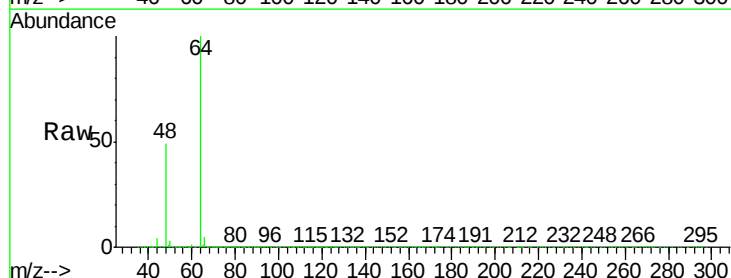
Acq: 30 Dec 2019 17:20

Tgt Ion: 50 Resp: 43143

Ion Ratio Lower Upper

50 100

52 7.2 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

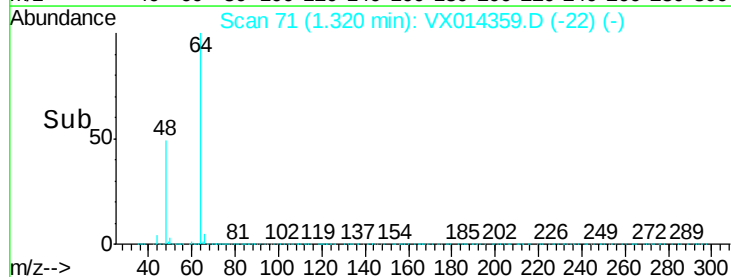
15000

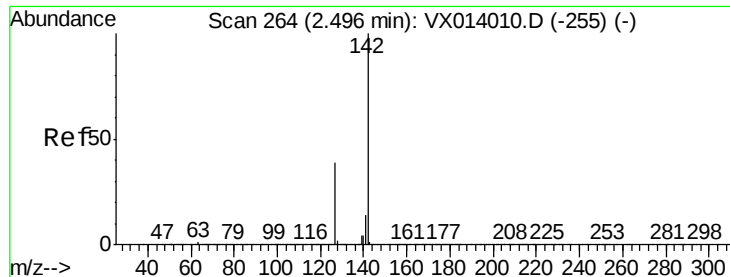
10000

5000

0

Time-->





#10

Methyl Iodide

Concen: 2.641 ug/l

RT: 2.50 min Scan# 264

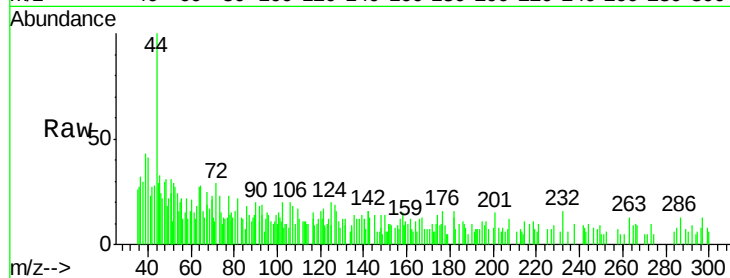
Delta R.T. 0.00 min

Lab File: VX014359.D

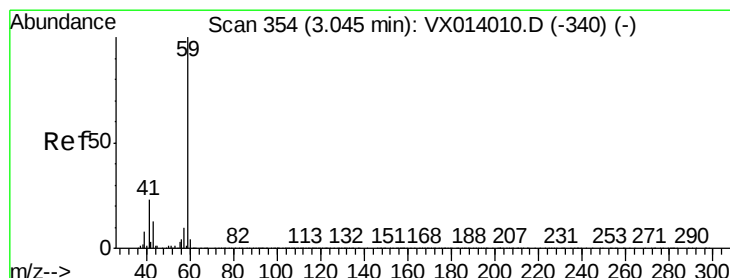
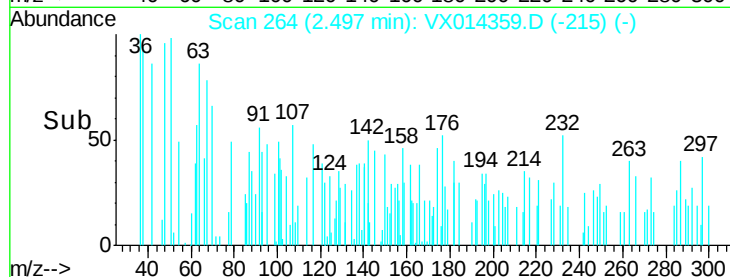
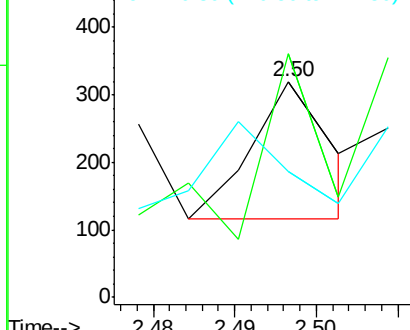
Acq: 30 Dec 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 230.4 31.6 47.4#
141 97.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.364 ug/l

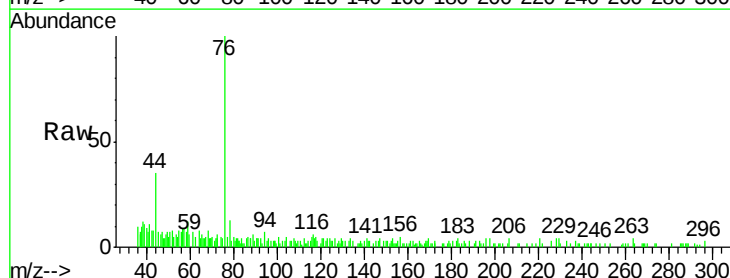
RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

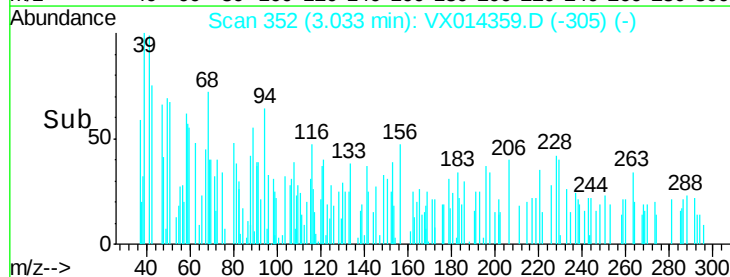
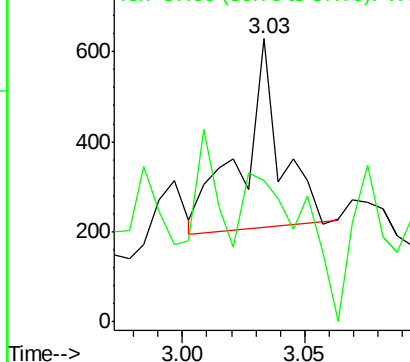
Lab File: VX014359.D

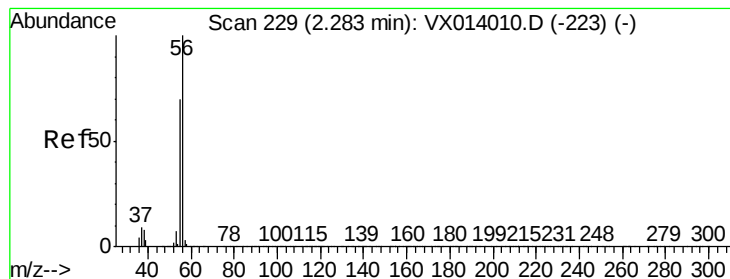
Acq: 30 Dec 2019 17:20

Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 123.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.042 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

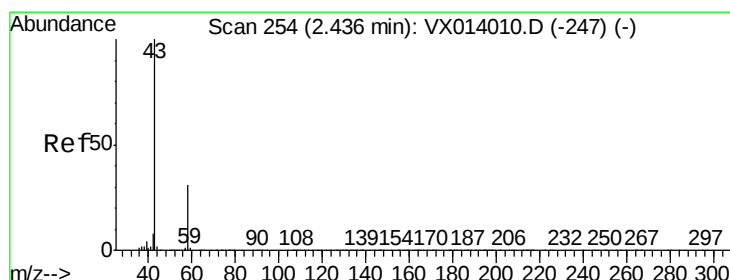
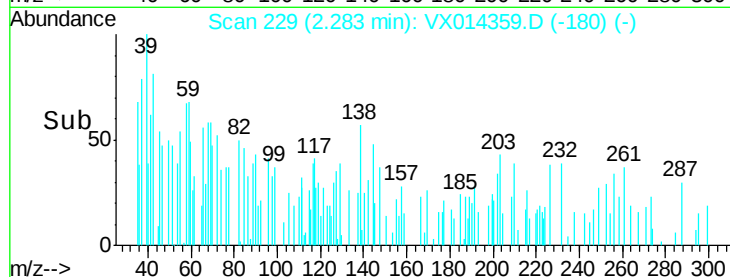
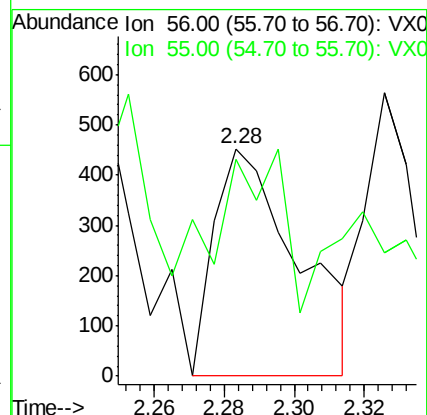
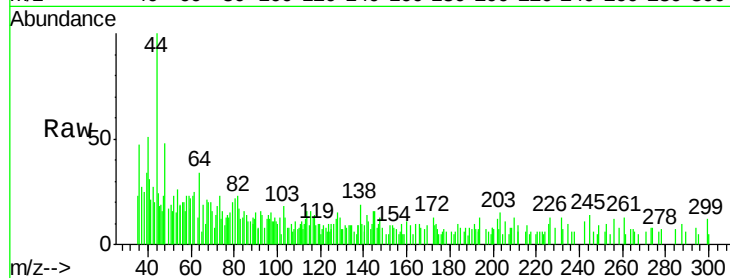
ClientSampled :

Tot Ion: 56 Resp: 756

Ion Ratio Lower Upper

56 100

55 54.6 56.9 85.3#



#16

Acetone

Concen: 1.341 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014359.D

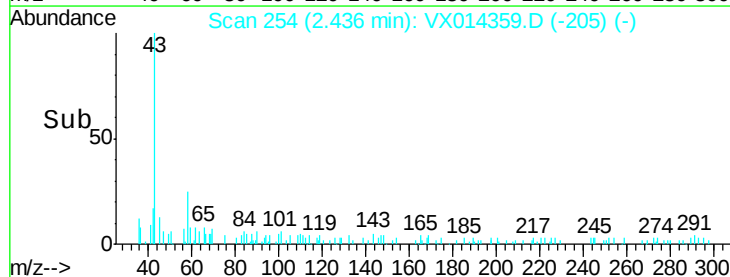
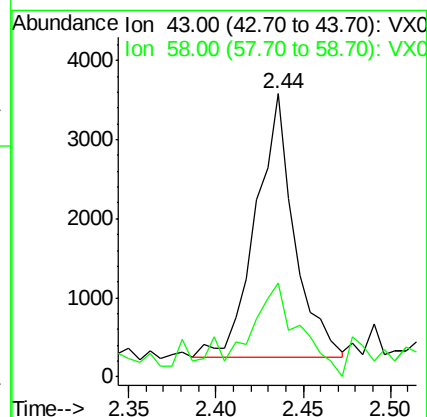
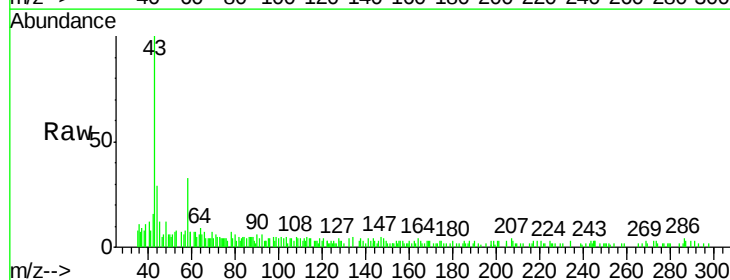
Acq: 30 Dec 2019 17:20

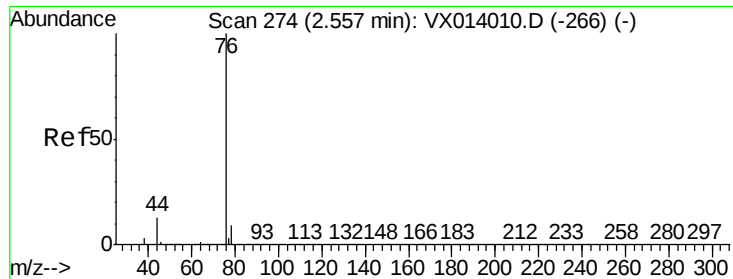
Tgt Ion: 43 Resp: 5109

Ion Ratio Lower Upper

43 100

58 30.2 24.9 37.3





#17

Carbon Disulfide

Concen: 1.650 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

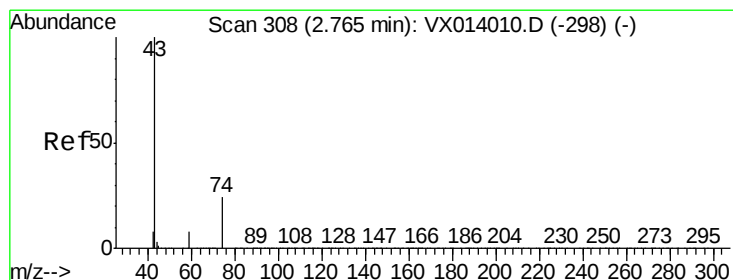
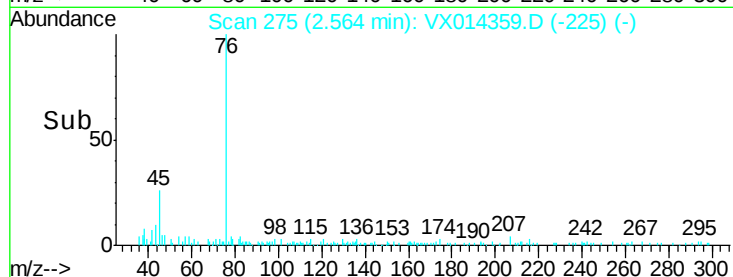
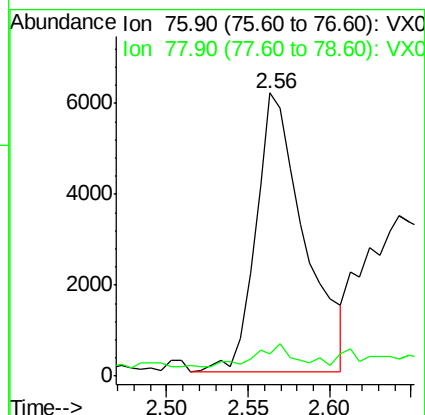
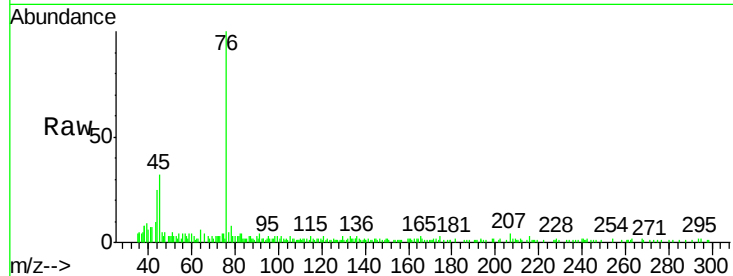
ClientSampleId :

Tot Ion: 76 Resp: 12637

Ion Ratio Lower Upper

76 100

78 4.3 7.2 10.8#



#18

Methyl Acetate

Concen: 0.402 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014359.D

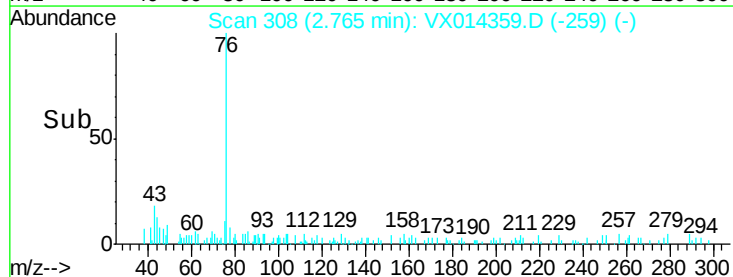
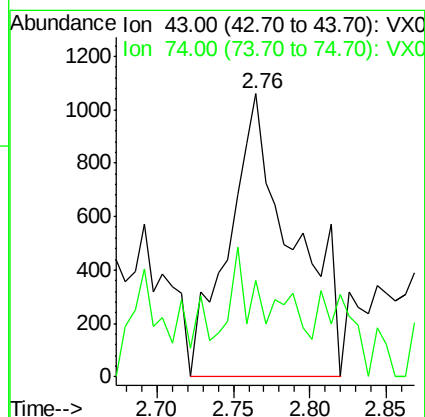
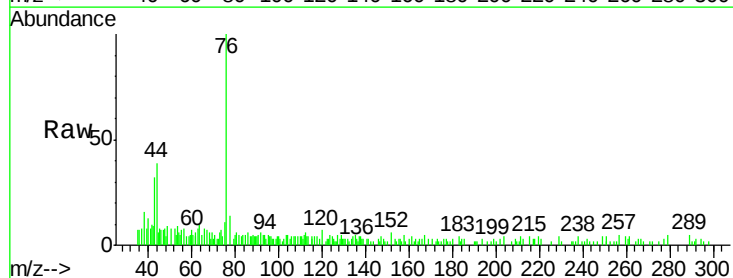
Acq: 30 Dec 2019 17:20

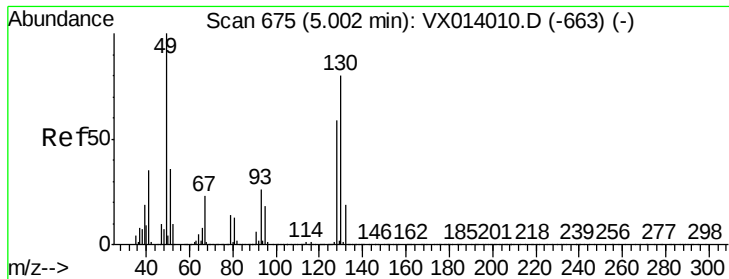
Tgt Ion: 43 Resp: 3031

Ion Ratio Lower Upper

43 100

74 9.8 19.5 29.3#

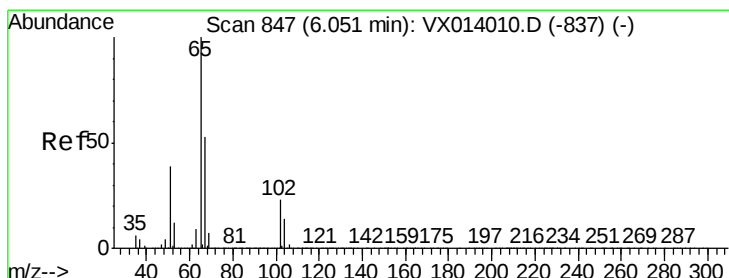
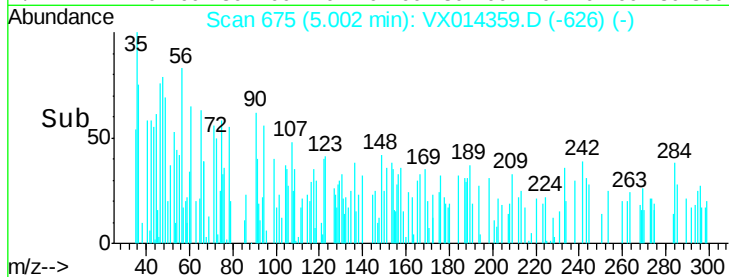
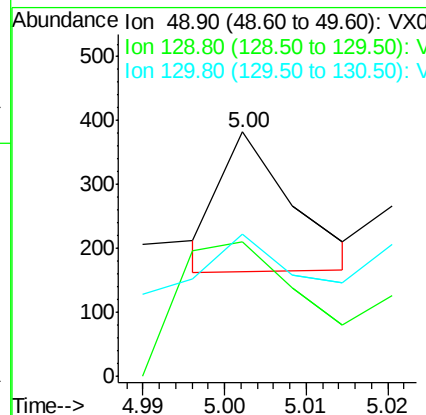
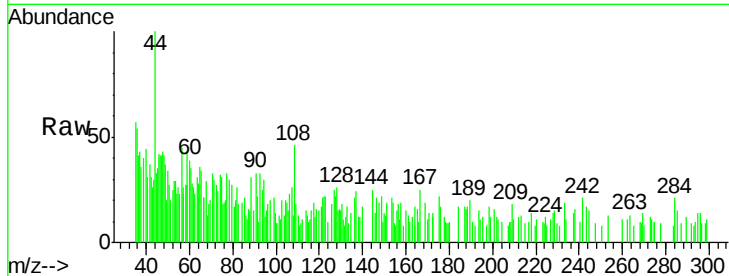




#28
 Bromochloromethane
 Concen: 0.489 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX014359.D
 Acq: 30 Dec 2019 17:20

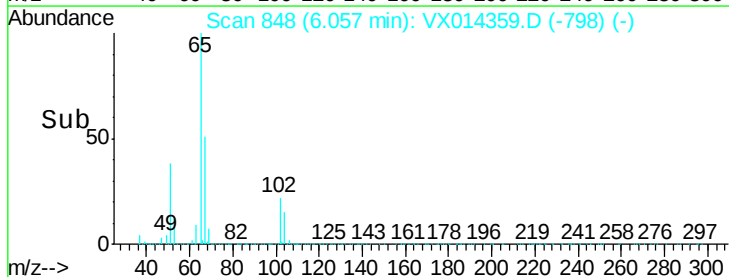
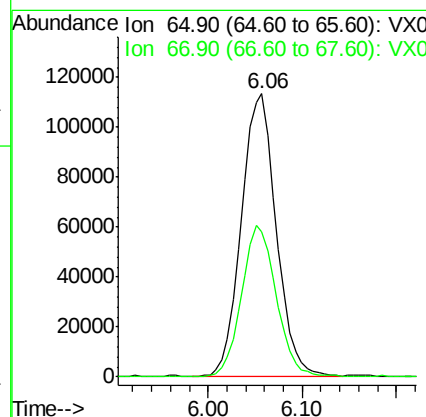
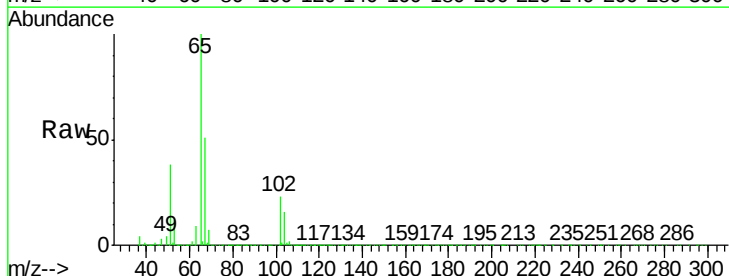
Instrument :
 MSVOA_X
 ClientSampled :

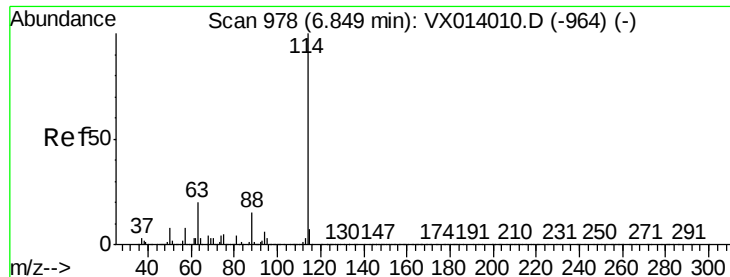
Tot Ion: 49 Resp: 134
 Ion Ratio Lower Upper
 49 100
 129 169.4 0.0 5.0#
 130 103.0 64.6 97.0#



#33
 1,2-Dichloroethane-d4
 Concen: 49.968 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014359.D
 Acq: 30 Dec 2019 17:20

Tgt Ion: 65 Resp: 293215
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

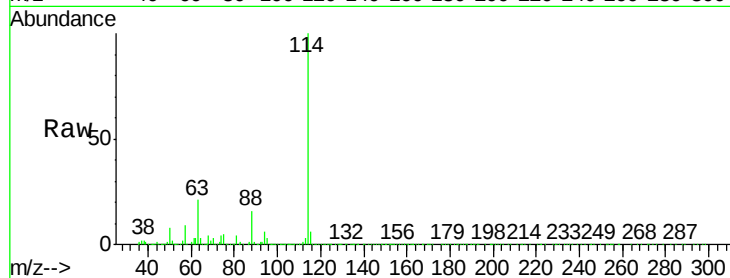
Tot Ion:114 Resp: 803712

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

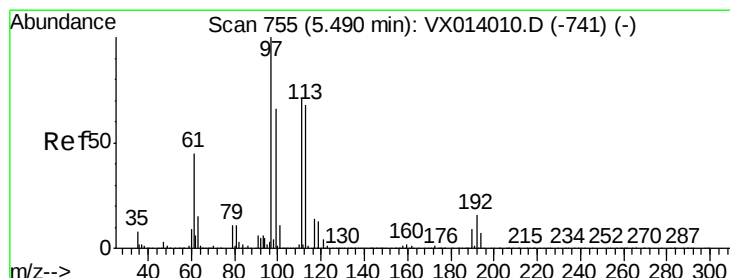
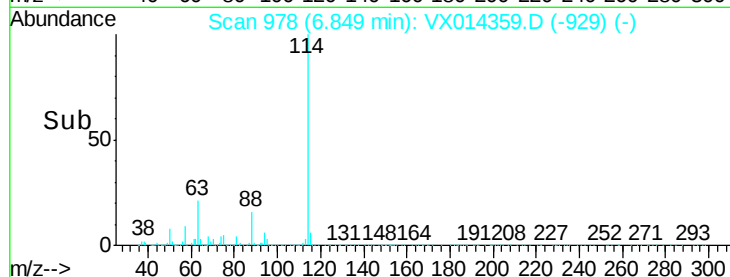
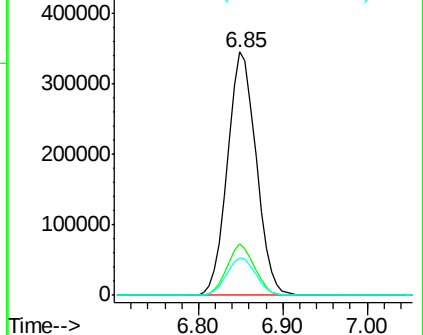
88 15.6 0.0 30.4



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: 49.702 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

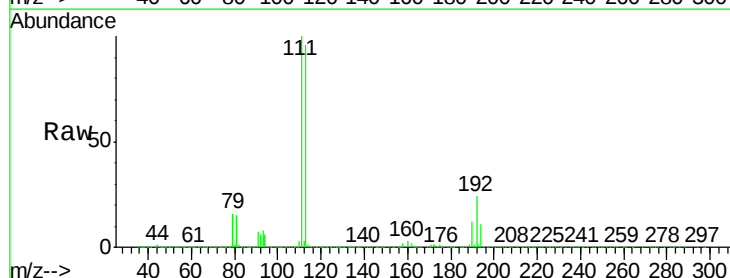
Tgt Ion:113 Resp: 242827

Ion Ratio Lower Upper

113 100

111 103.7 82.0 123.0

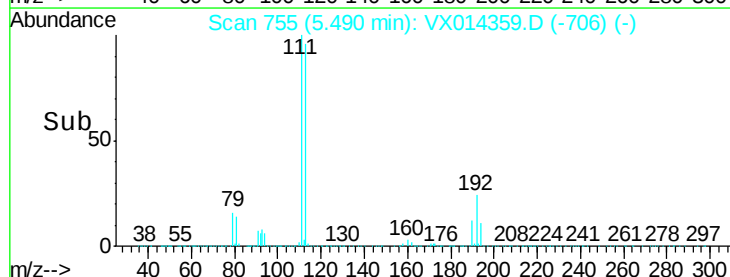
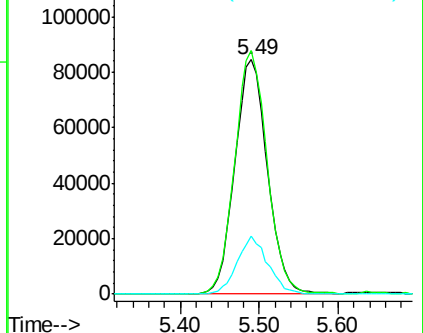
192 23.2 19.3 28.9

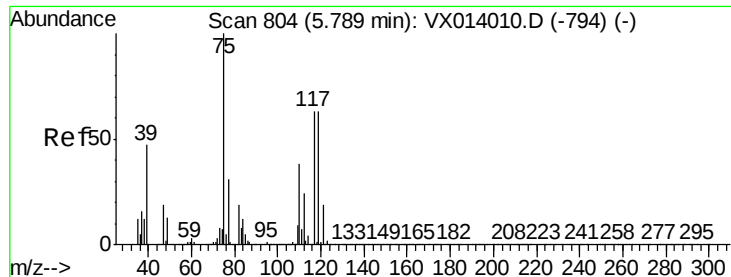


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.727 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

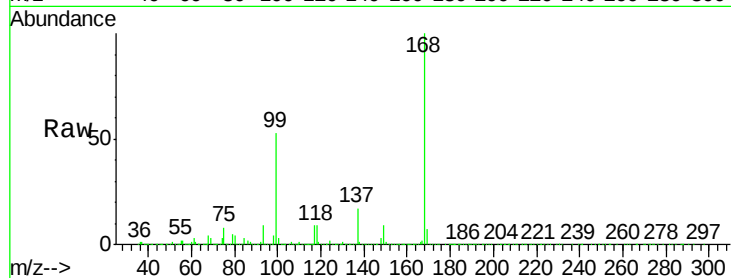
Tot Ion: 75 Resp: 34860

Ion Ratio Lower Upper

75 100

110 5.3 18.3 54.9#

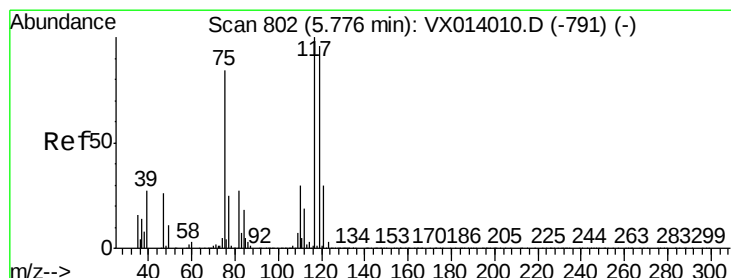
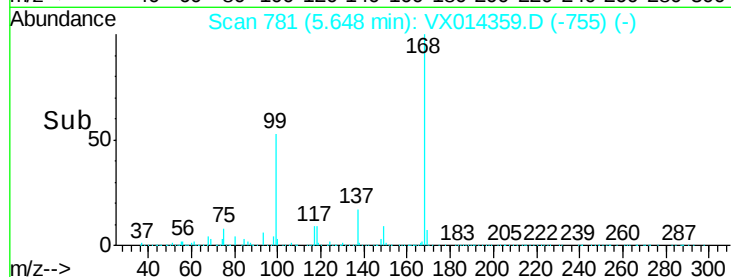
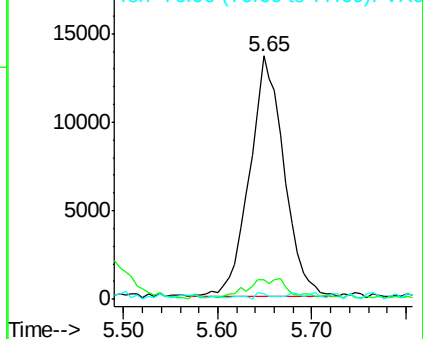
77 1.1 24.8 37.2#



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: 6.942 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

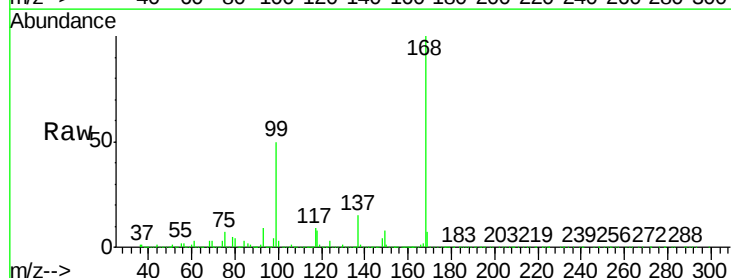
Tgt Ion:117 Resp: 46636

Ion Ratio Lower Upper

117 100

119 7.4 76.2 114.4#

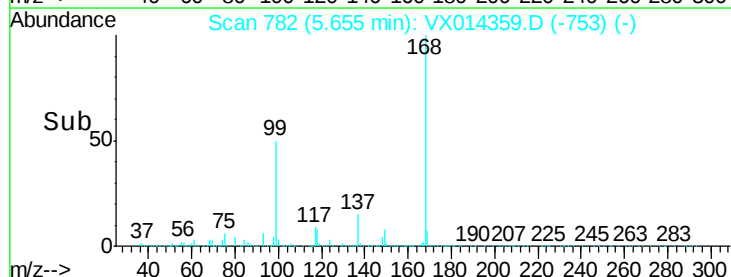
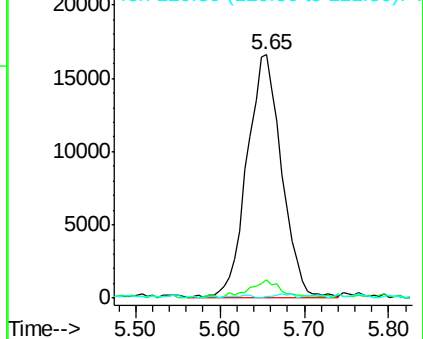
121 0.0 23.6 35.4#

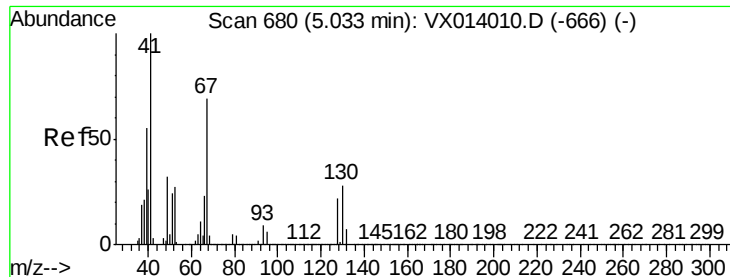


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

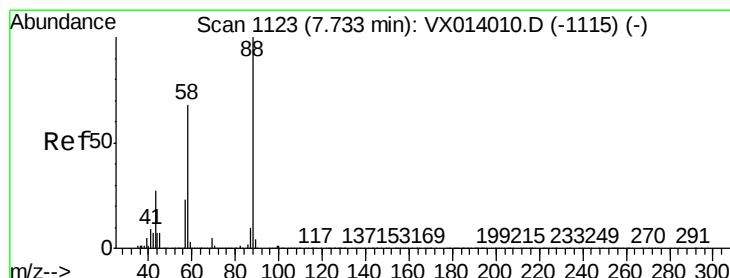
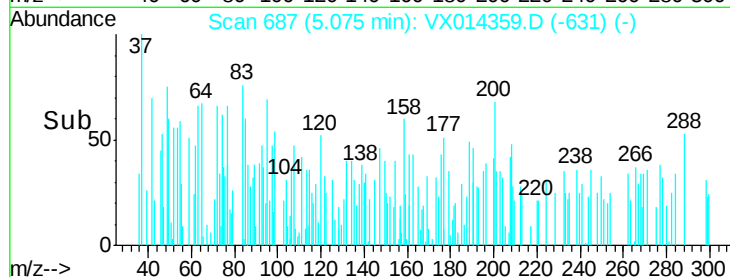
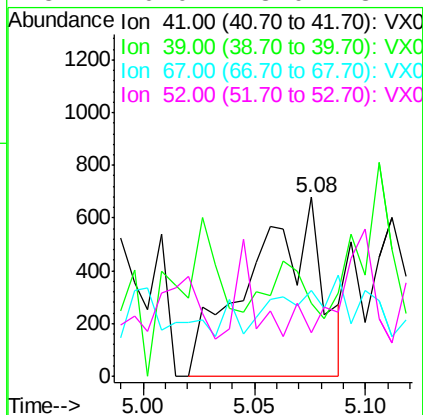
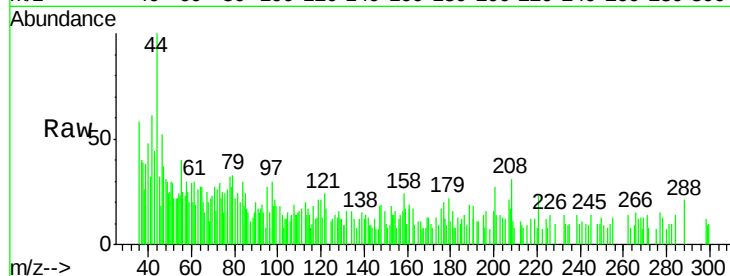




#41
Methacrylonitrile
Concen: 0.336 ug/l
RT: 5.08 min Scan# 687
Delta R.T. 0.04 min
Lab File: VX014359.D
Acq: 30 Dec 2019 17:20

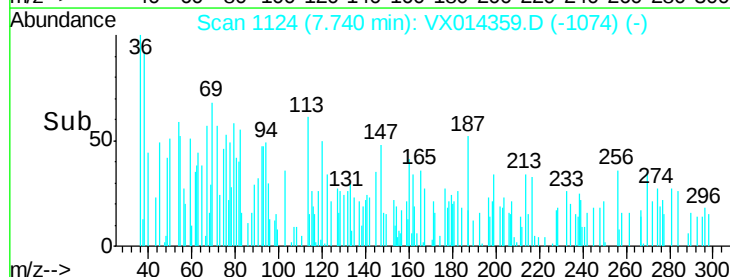
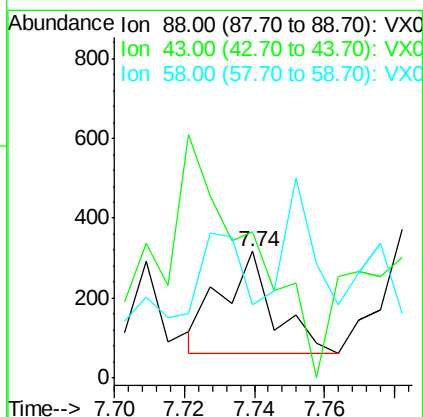
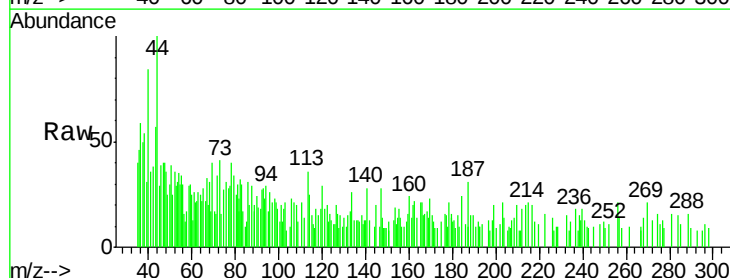
Instrument :
MSVOA_X
ClientSampled :

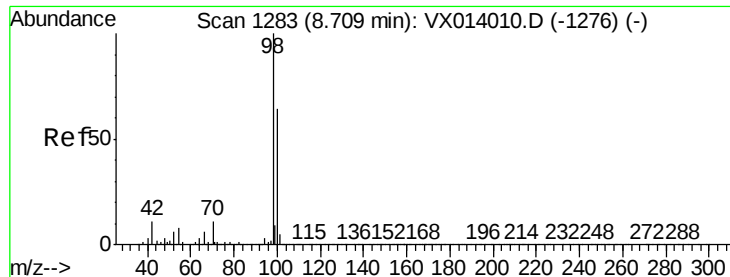
Tot Ion:	41	Resp:	1517
Ion	Ratio	Lower	Upper
41	100		
39	15.8	44.5	66.7#
67	10.6	57.4	86.0#
52	0.0	23.0	34.4#



#49
1,4-Dioxane
Concen: 1.996 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014359.D
Acq: 30 Dec 2019 17:20

Tgt Ion:	88	Resp:	268
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.5	39.7#
58	66.0	56.8	85.2





#50

Toluene-d8

Concen: 50.212 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

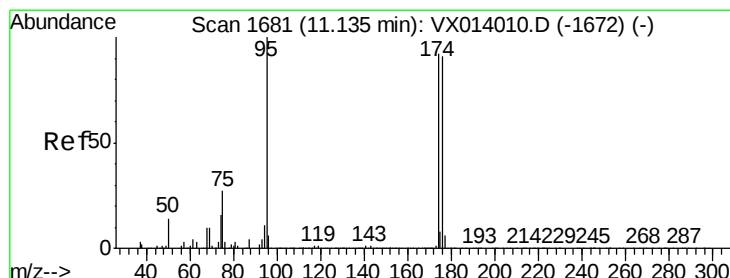
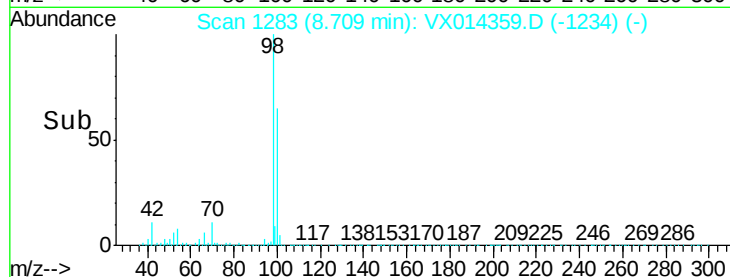
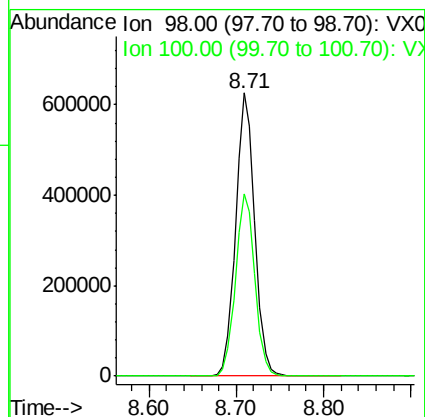
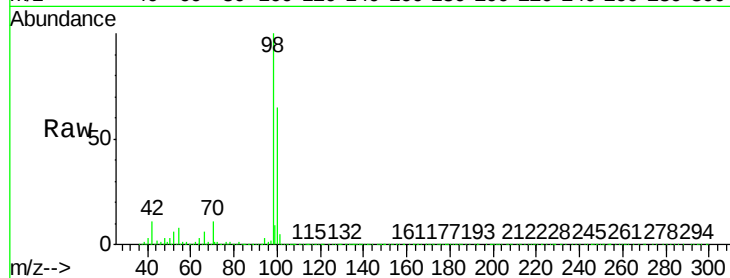
ClientSampleId :

Tot Ion: 98 Resp: 955091

Ion Ratio Lower Upper

98 100

100 65.3 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.168 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

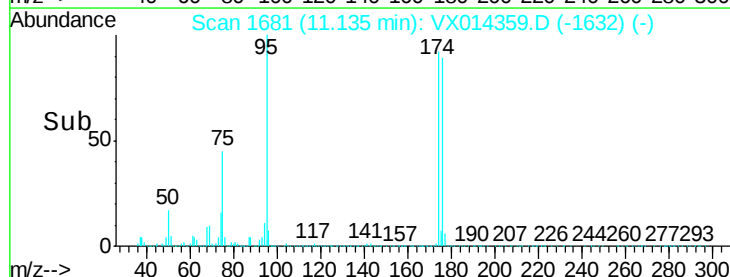
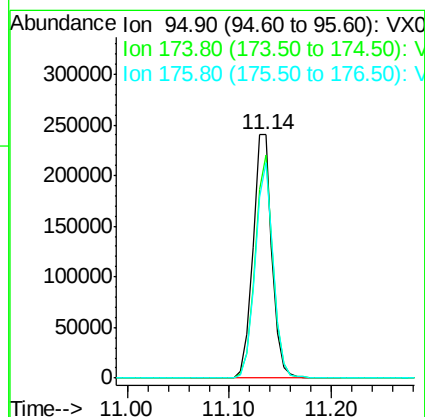
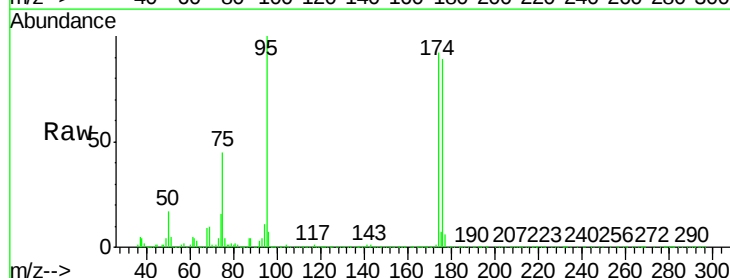
Tgt Ion: 95 Resp: 314054

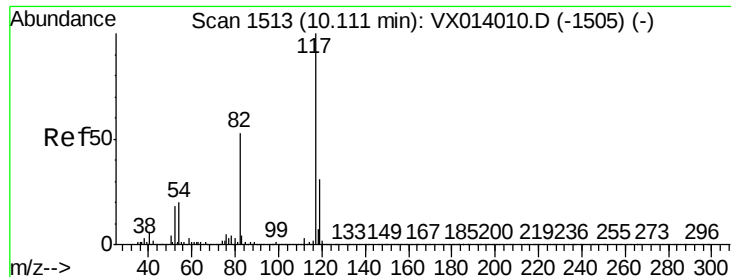
Ion Ratio Lower Upper

95 100

174 86.7 0.0 175.8

176 84.9 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

ClientSampleId :

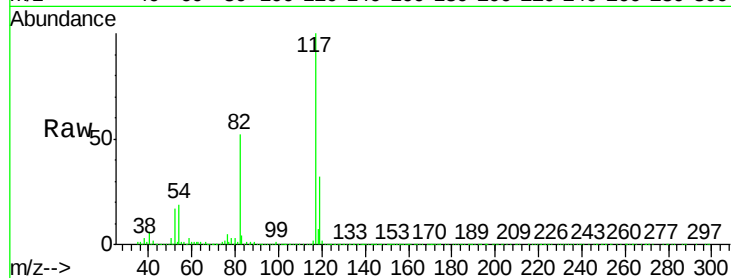
Tot Ion:117 Resp: 705979

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.4

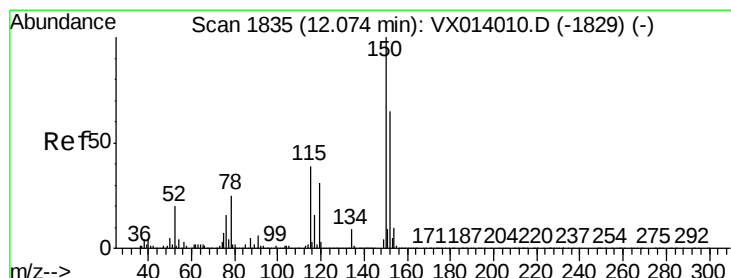
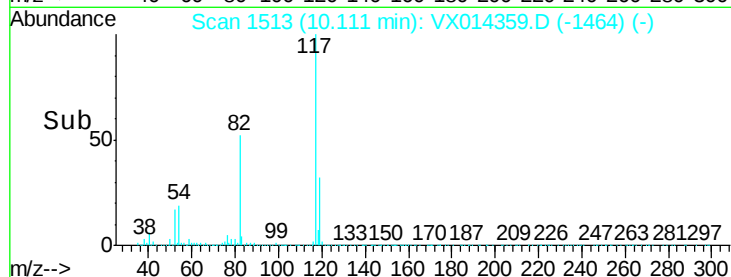
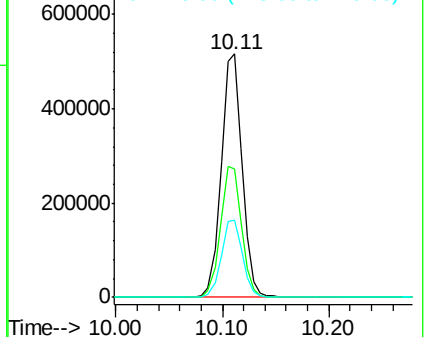
119 31.5 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

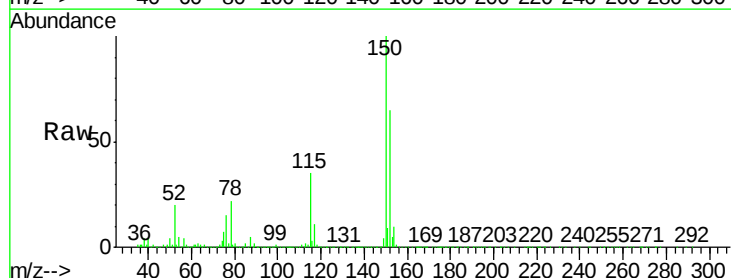
Tgt Ion:152 Resp: 309019

Ion Ratio Lower Upper

152 100

115 55.6 38.3 114.9

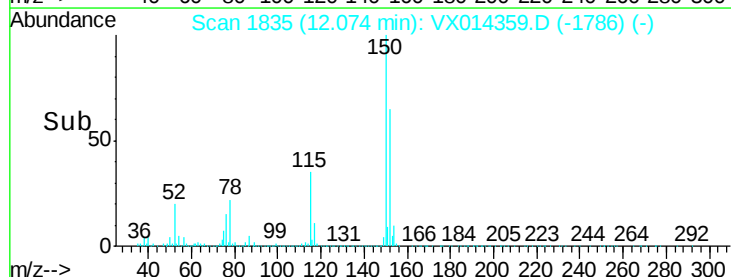
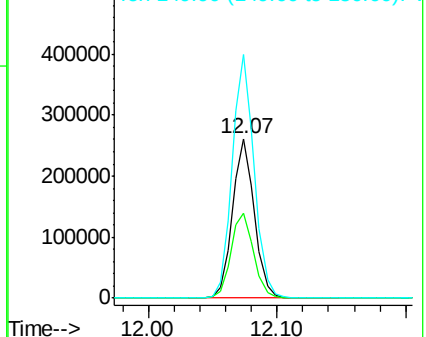
150 153.8 0.0 345.4

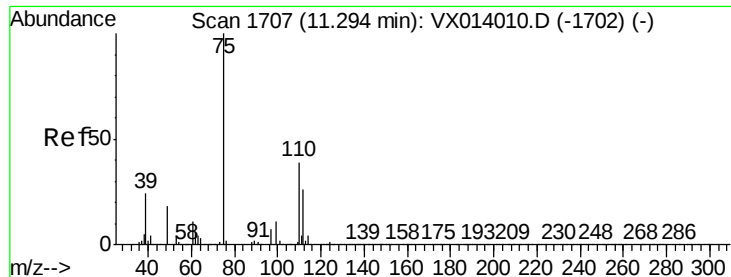


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.452 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

Instrument :

MSVOA_X

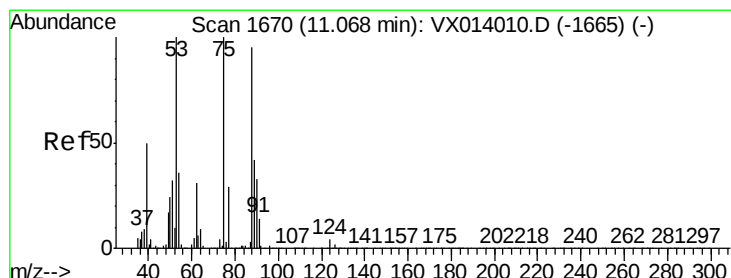
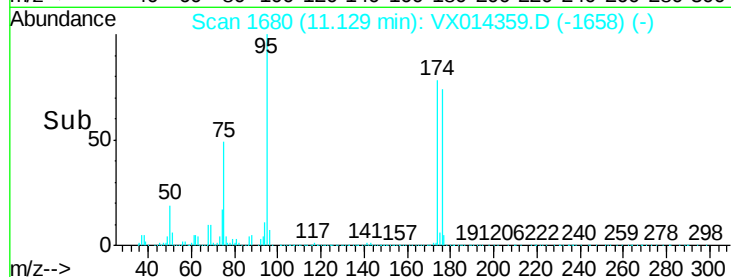
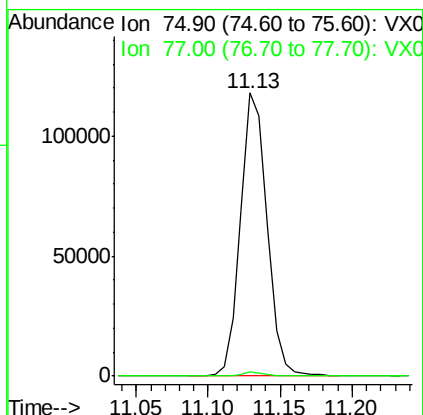
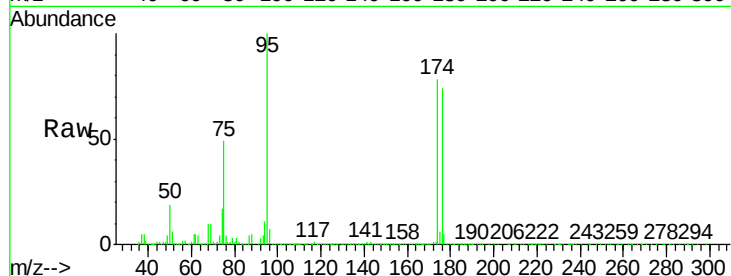
ClientSampled :

Tot Ion: 75 Resp: 150625

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.371 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014359.D

Acq: 30 Dec 2019 17:20

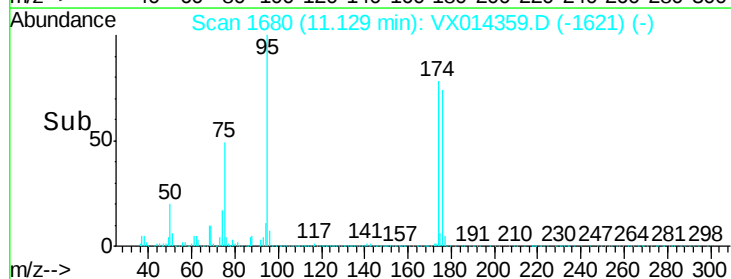
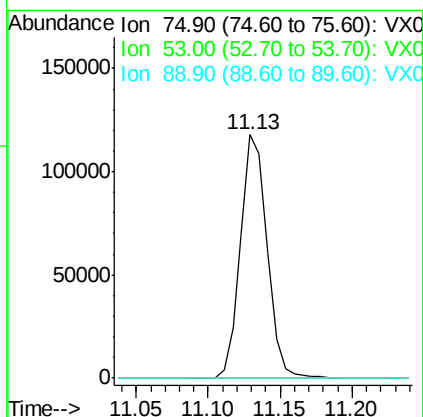
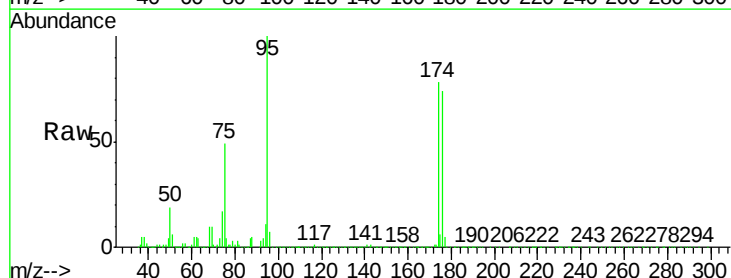
Tgt Ion: 75 Resp: 150625

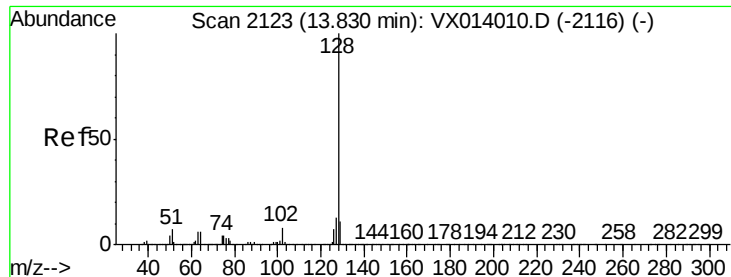
Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.1 34.6 51.8#

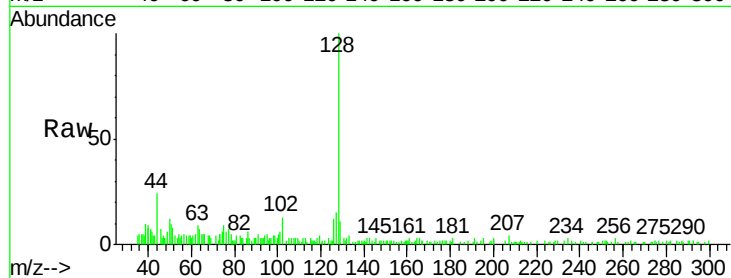




#95
Naphthalene
Concen: 0.345 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014359.D
Acq: 30 Dec 2019 17:20

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.1	10.2	15.4#
129	15.2	8.7	13.1#



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

