

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013417.D
 Acq On : 14 Nov 2019 13:16
 Operator : JC/SP
 Sample : K5834-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:54:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	107309	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	591533	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	521137	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	237558	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	11.14	95	238723	28.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.00%
63) Toluene-d8	8.71	98	705065	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

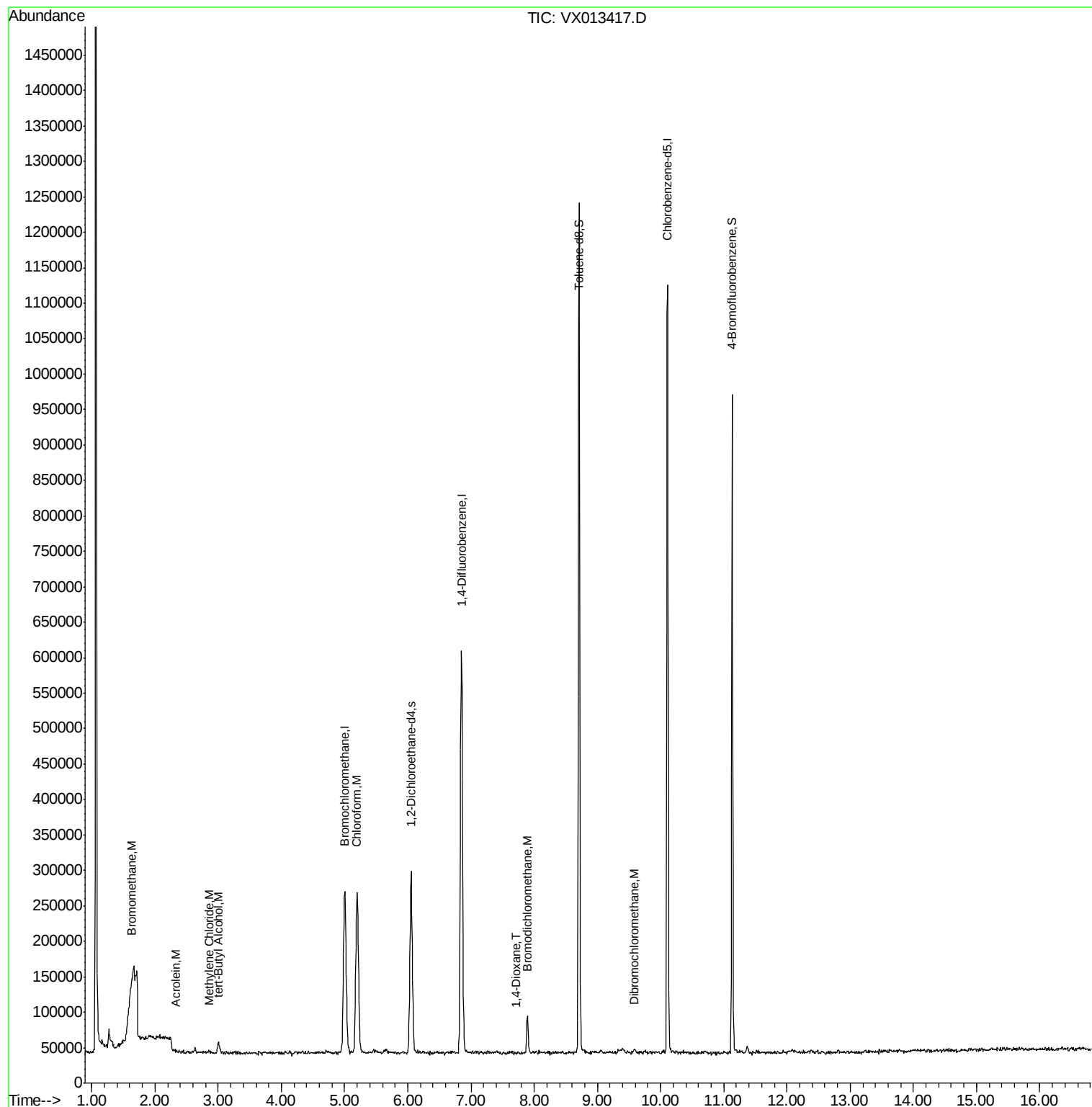
					Ovalue
5) Bromomethane	1.62	94	2073	0.346 ug/l	94
13) Acrolein	2.33	56	316	0.256 ug/l	100
18) Methylene Chloride	2.85	84	1788	0.238 ug/l #	57
23) tert-Butyl Alcohol	3.00	59	10615	5.165 ug/l #	98
25) Chloroform	5.20	83	276893	22.119 ug/l	100
41) Bromodichloromethane	7.89	83	34798	3.780 ug/l	94
45) 1,4-Dioxane	7.73	88	250	1.295 ug/l #	12
53) Dibromochloromethane	9.58	129	2699	0.365 ug/l	95

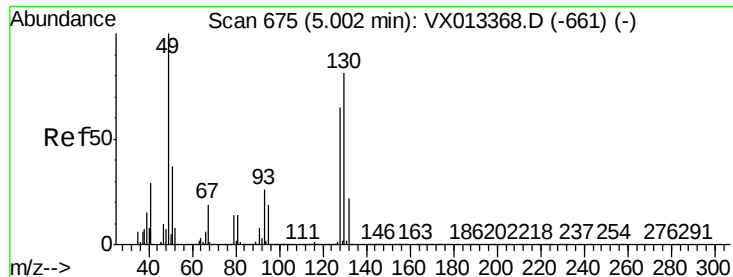
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Nov 15 00:54:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :
MSVOA_X
ClientSampleId :

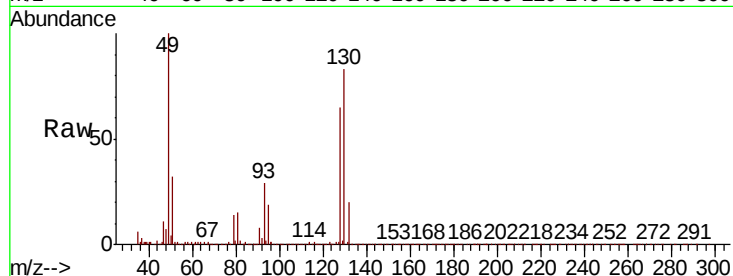
Tot Ion:128 Resp: 107309

Ion Ratio Lower Upper

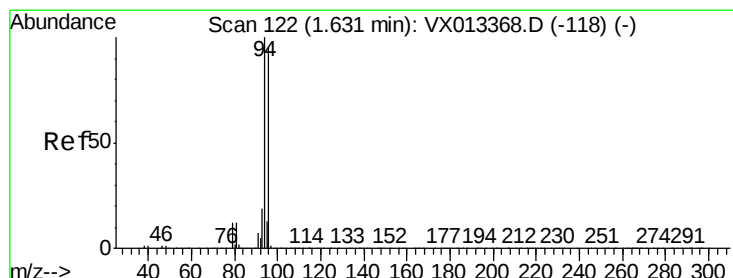
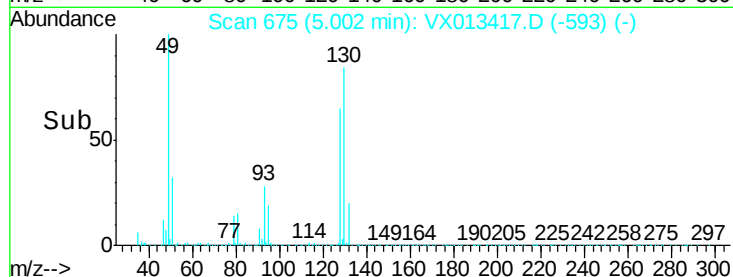
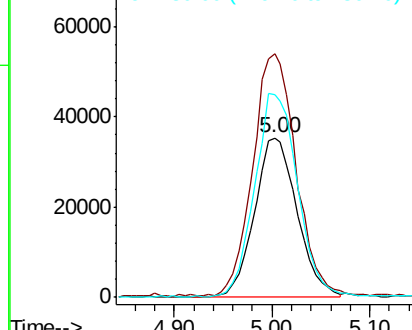
128 100

49 152.5 0.0 388.3

130 128.4 0.0 318.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.346 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013417.D

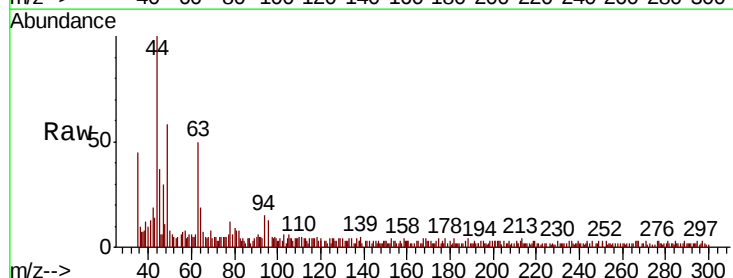
Acq: 14 Nov 2019 13:16

Tgt Ion: 94 Resp: 2073

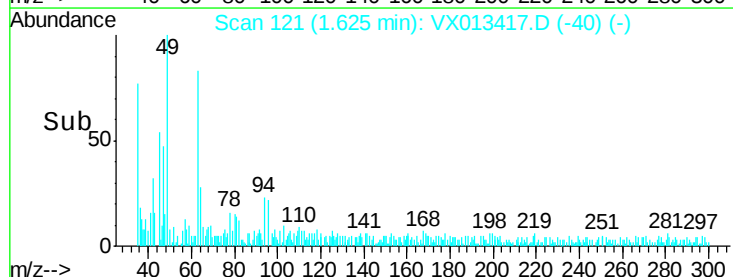
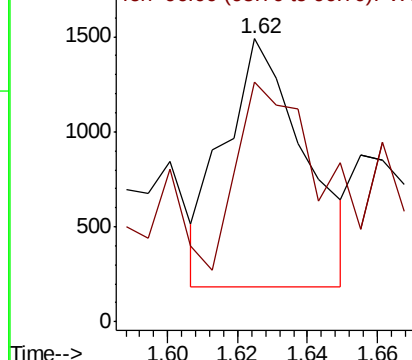
Ion Ratio Lower Upper

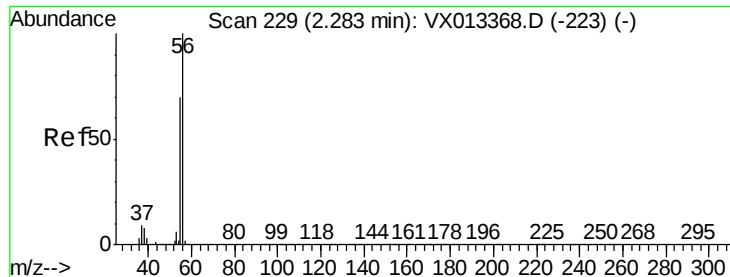
94 100

96 88.5 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0
Ion 96.00 (95.70 to 96.70): VX0

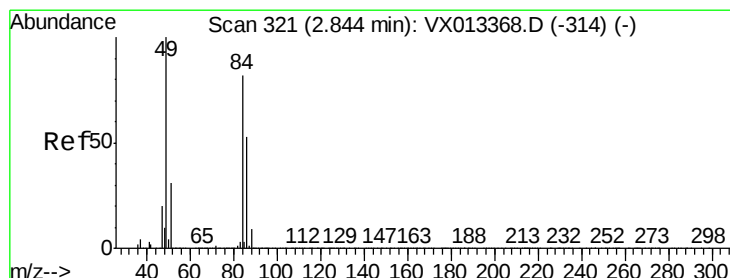
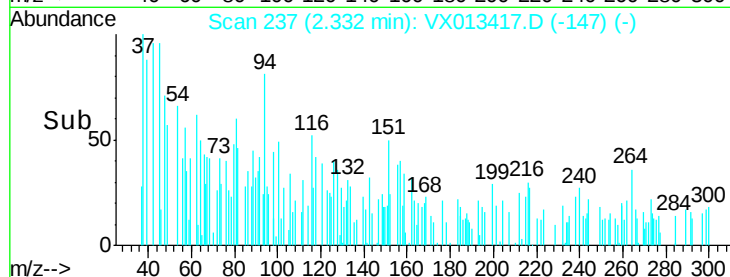
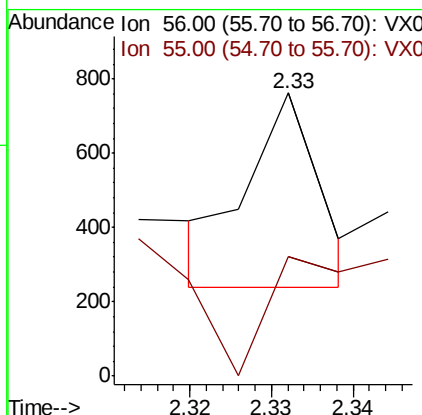
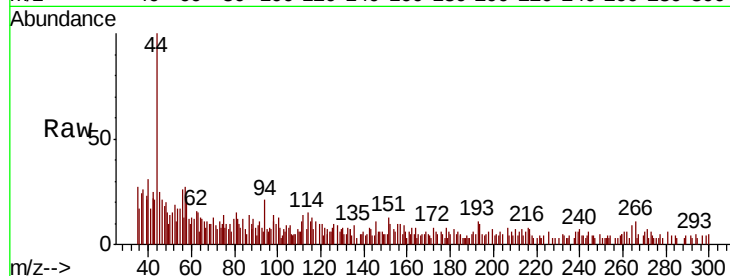




#13
Acrolein
Concen: 0.256 ug/l
RT: 2.33 min Scan# 237
Delta R.T. 0.05 min
Lab File: VX013417.D
Acq: 14 Nov 2019 13:16

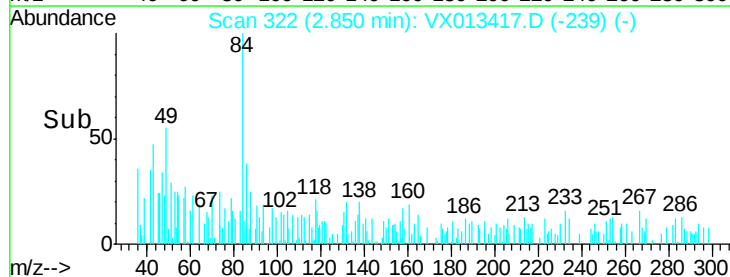
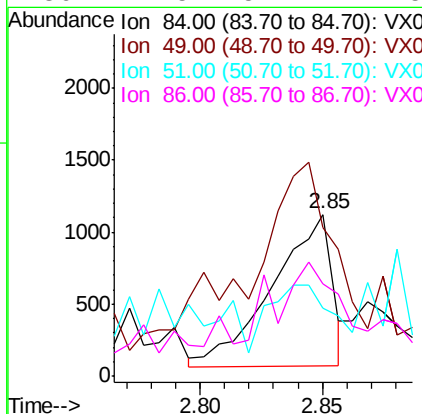
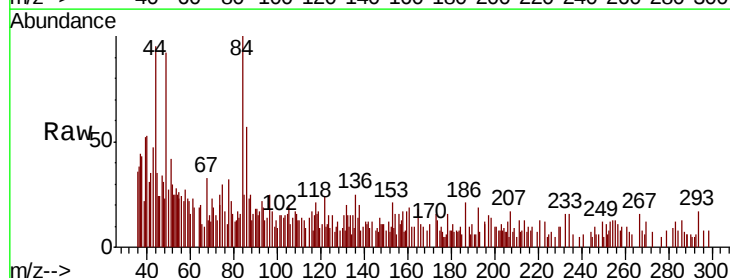
Instrument :
MSVOA_X
ClientSampled :

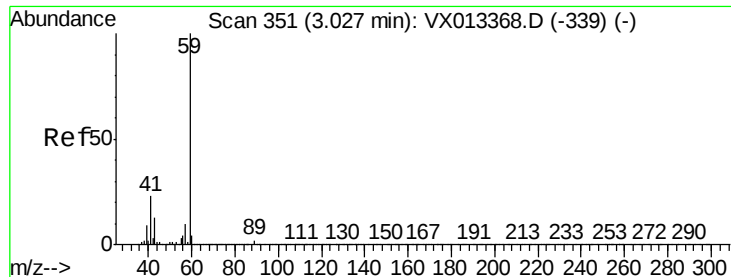
Tot Ion: 56 Resp: 316
Ion Ratio Lower Upper
56 100
55 69.6 55.8 83.8



#18
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013417.D
Acq: 14 Nov 2019 13:16

Tgt Ion: 84 Resp: 1788
Ion Ratio Lower Upper
84 100
49 49.8 96.8 145.2#
51 38.7 30.0 45.0
86 42.5 51.7 77.5#



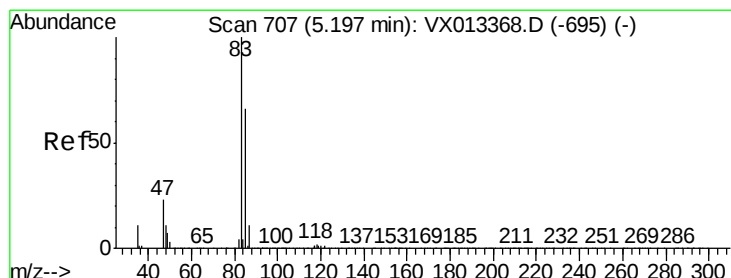
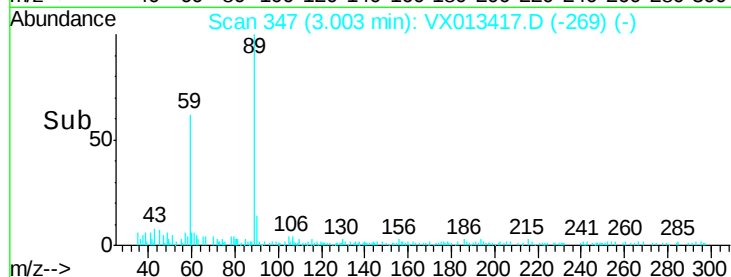
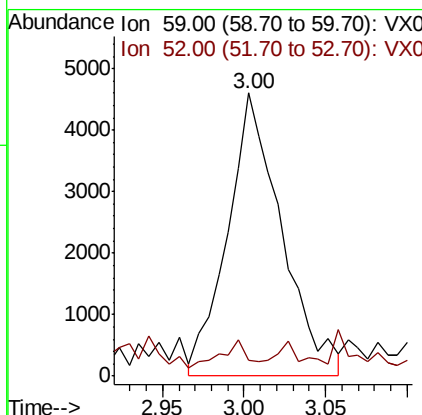
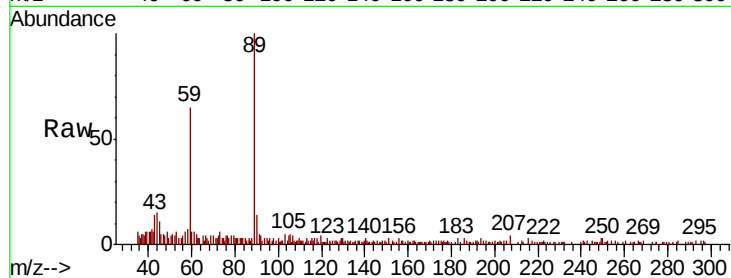


#23

tert-Butyl Alcohol
 Concen: 5.165 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VX013417.D
 Acq: 14 Nov 2019 13:16

Instrument :
 MSVOA_X
 ClientSampleId :

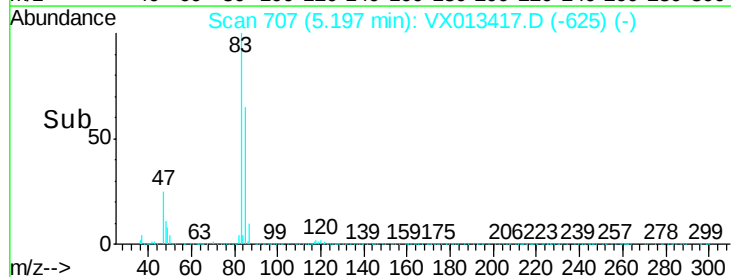
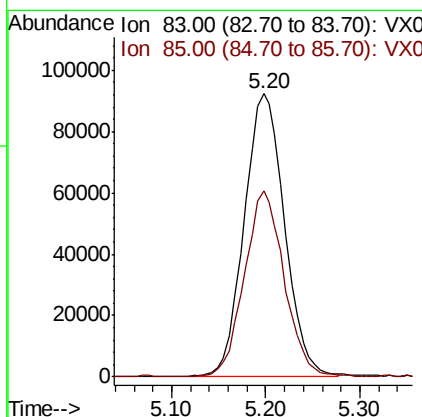
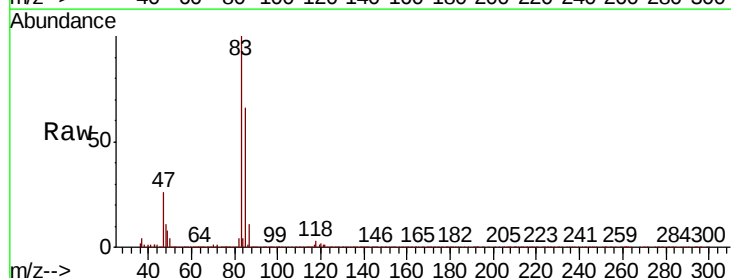
Tot Ion: 59 Resp: 10615
 Ion Ratio Lower Upper
 59 100
 52 5.4 0.1 0.1#

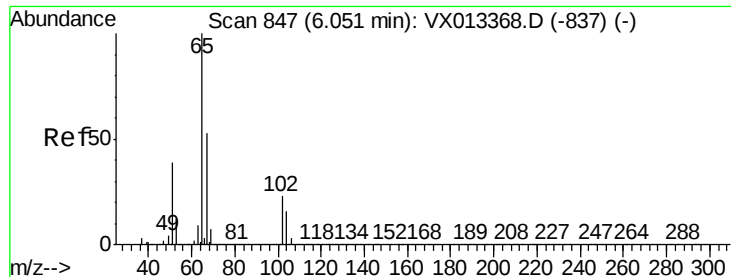


#25

Chloroform
 Concen: 22.119 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX013417.D
 Acq: 14 Nov 2019 13:16

Tgt Ion: 83 Resp: 276893
 Ion Ratio Lower Upper
 83 100
 85 65.5 52.4 78.6





#27

1,2-Dichloroethane-d4

Concen: 29.980 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :

MSVOA_X

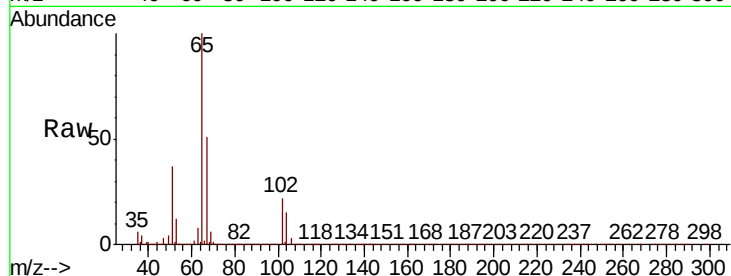
ClientSampleId :

Tot Ion: 65 Resp: 237558

Ion Ratio Lower Upper

65 100

67 52.2 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

100000

80000

60000

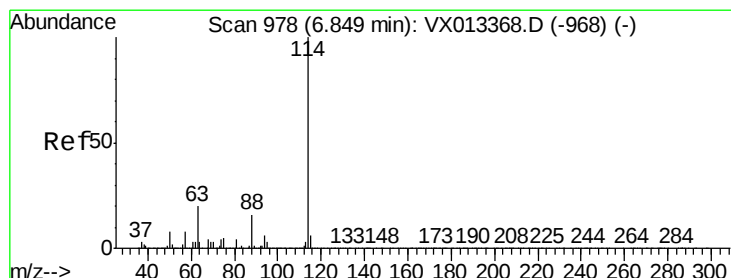
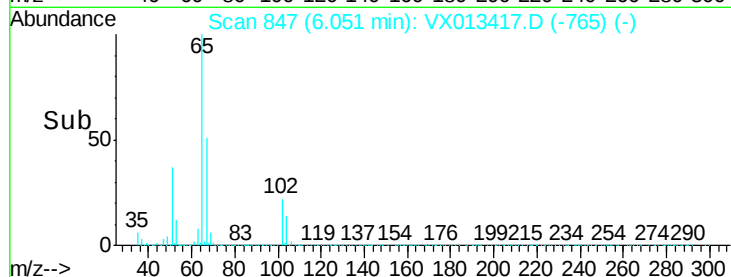
40000

20000

0

Time-->

6.00 6.10 6.20



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

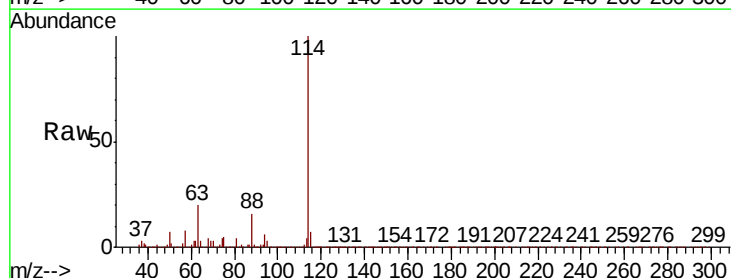
Tgt Ion: 114 Resp: 591533

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

88 15.6 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.85

300000

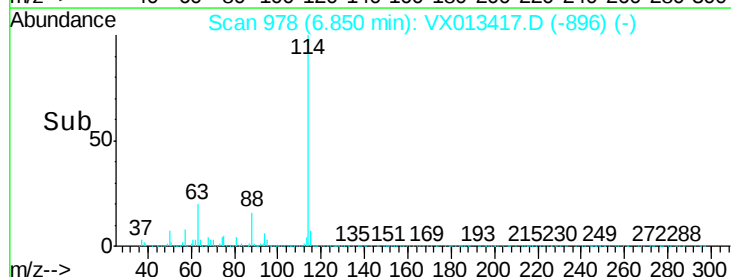
200000

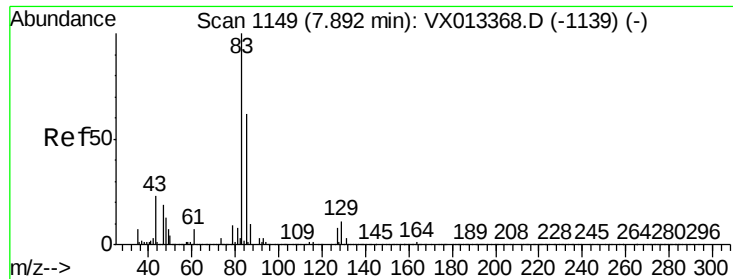
100000

0

Time-->

6.80 6.90





#41

Bromodichloromethane

Concen: 3.780 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :

MSVOA_X

ClientSampled :

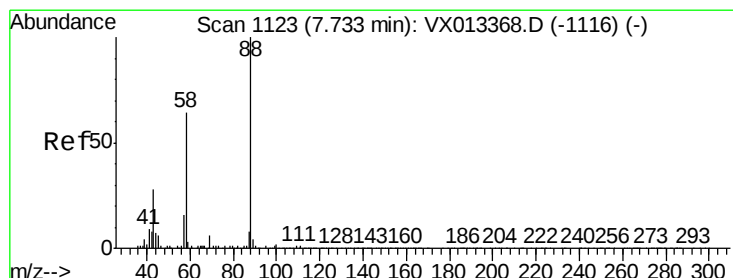
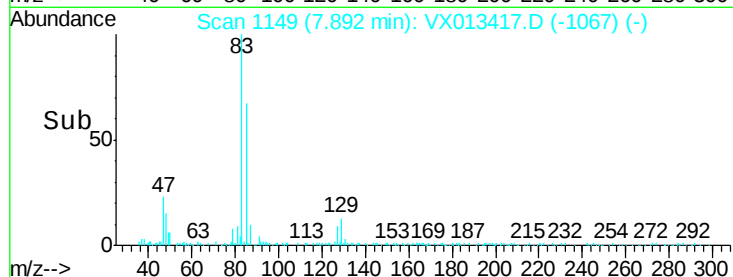
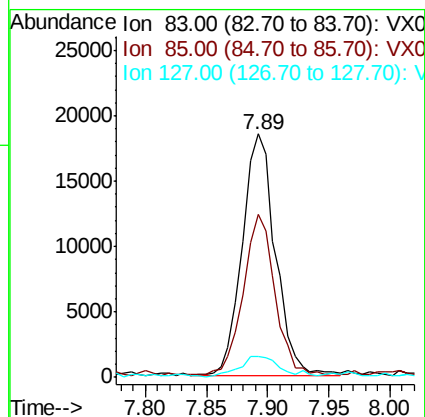
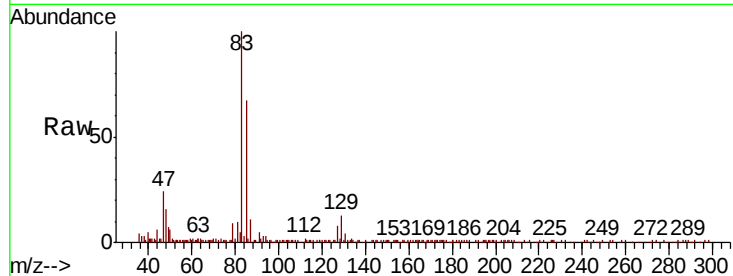
Tot Ion: 83 Resp: 34798

Ion Ratio Lower Upper

83 100

85 66.5 49.3 73.9

127 7.9 6.6 10.0



#45

1,4-Dioxane

Concen: 1.295 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

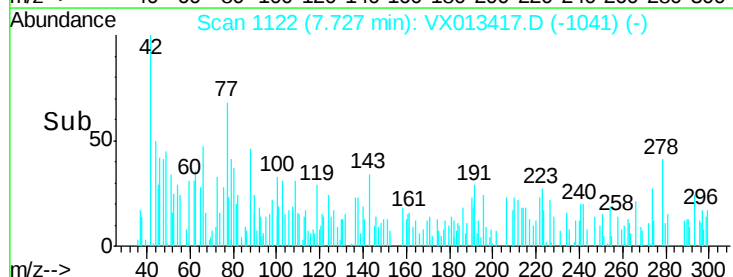
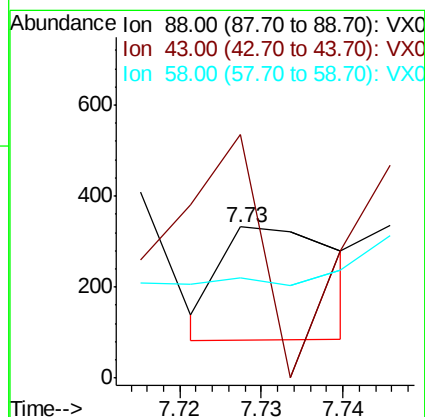
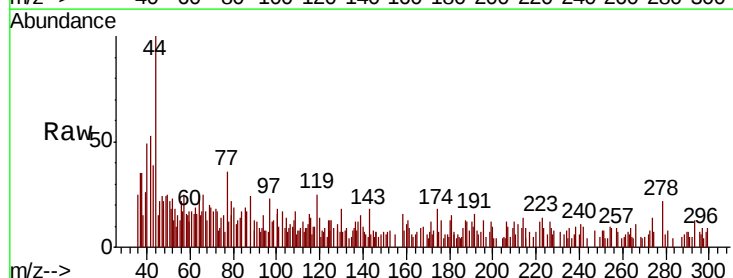
Tgt Ion: 88 Resp: 250

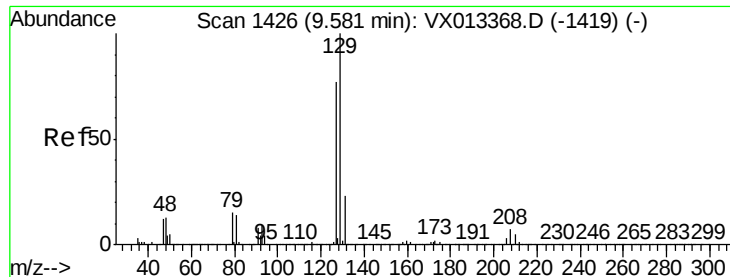
Ion Ratio Lower Upper

88 100

43 134.0 26.1 39.1#

58 32.8 55.8 83.8#





#53

Dibromochloromethane

Concen: 0.365 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :

MSVOA_X

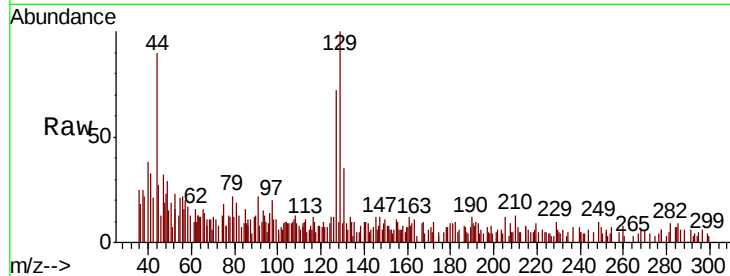
ClientSampleId :

Tot Ion:129 Resp: 2699

Ion Ratio Lower Upper

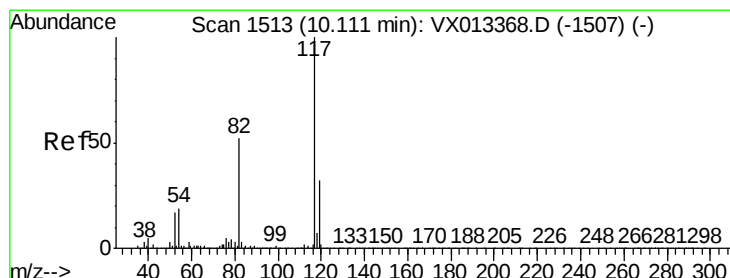
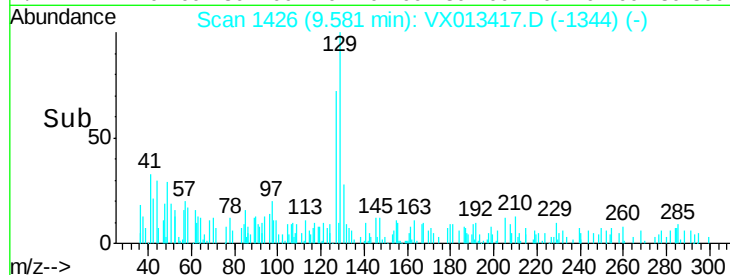
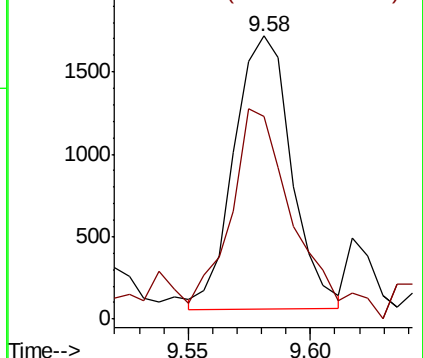
129 100

127 75.0 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

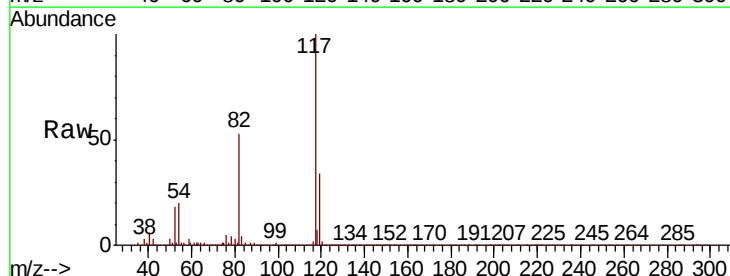
Tgt Ion:117 Resp: 521137

Ion Ratio Lower Upper

117 100

82 53.5 43.7 65.5

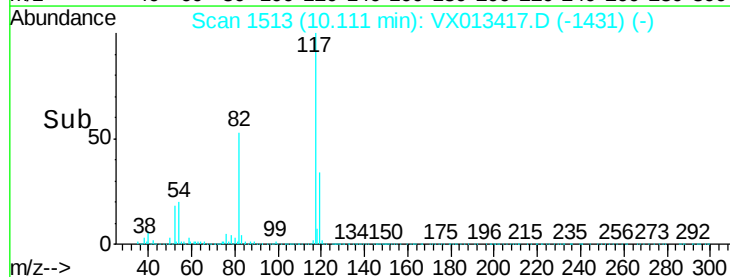
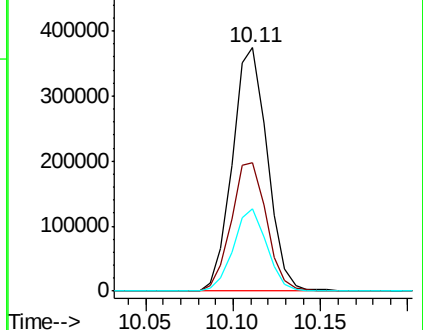
119 32.5 25.5 38.3

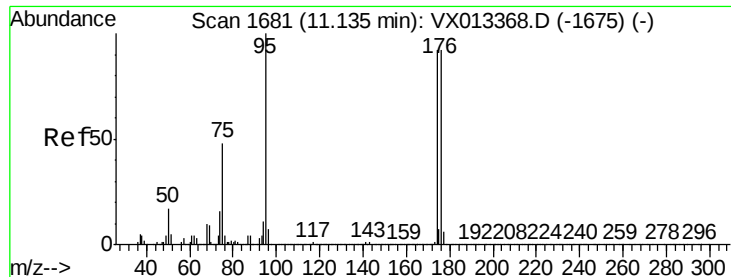


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.500 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013417.D

Acq: 14 Nov 2019 13:16

Instrument :

MSVOA_X

ClientSampleId :

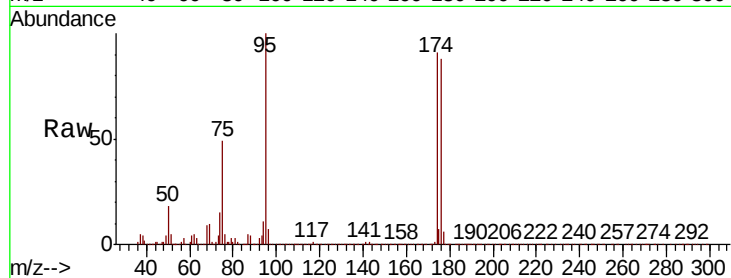
Tot Ion: 95 Resp: 238723

Ion Ratio Lower Upper

95 100

174 88.5 70.2 105.2

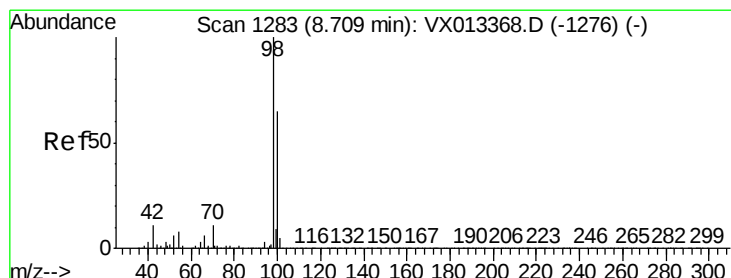
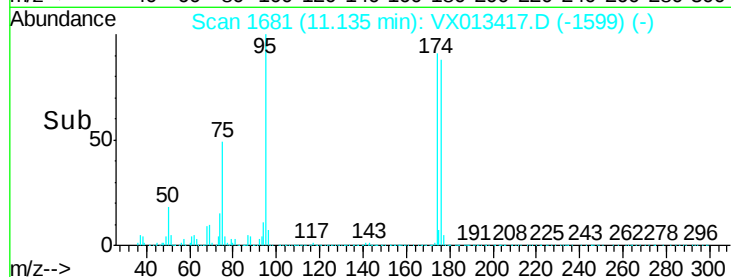
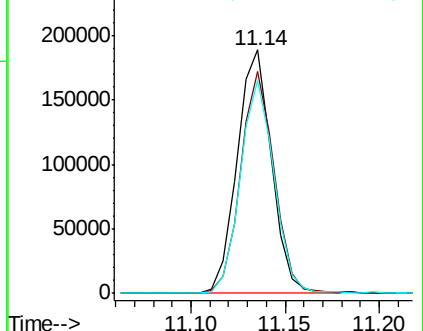
176 85.9 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 29.919 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013417.D

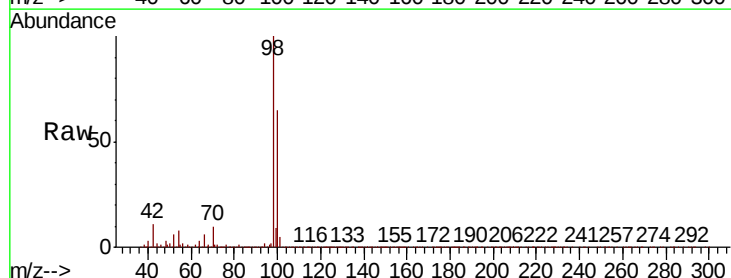
Acq: 14 Nov 2019 13:16

Tgt Ion: 98 Resp: 705065

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

