

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
 Data File : VX013420.D
 Acq On : 14 Nov 2019 14:26
 Operator : JC/SP
 Sample : K5828-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-57A-2

Quant Time: Nov 15 23:00:34 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	112703	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	623611	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	538177	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.05	65	249540	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%	
60) 4-Bromofluorobenzene		11.14	95	237572	27.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.53%	
63) Toluene-d8		8.71	98	745700	30.64	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.13%	

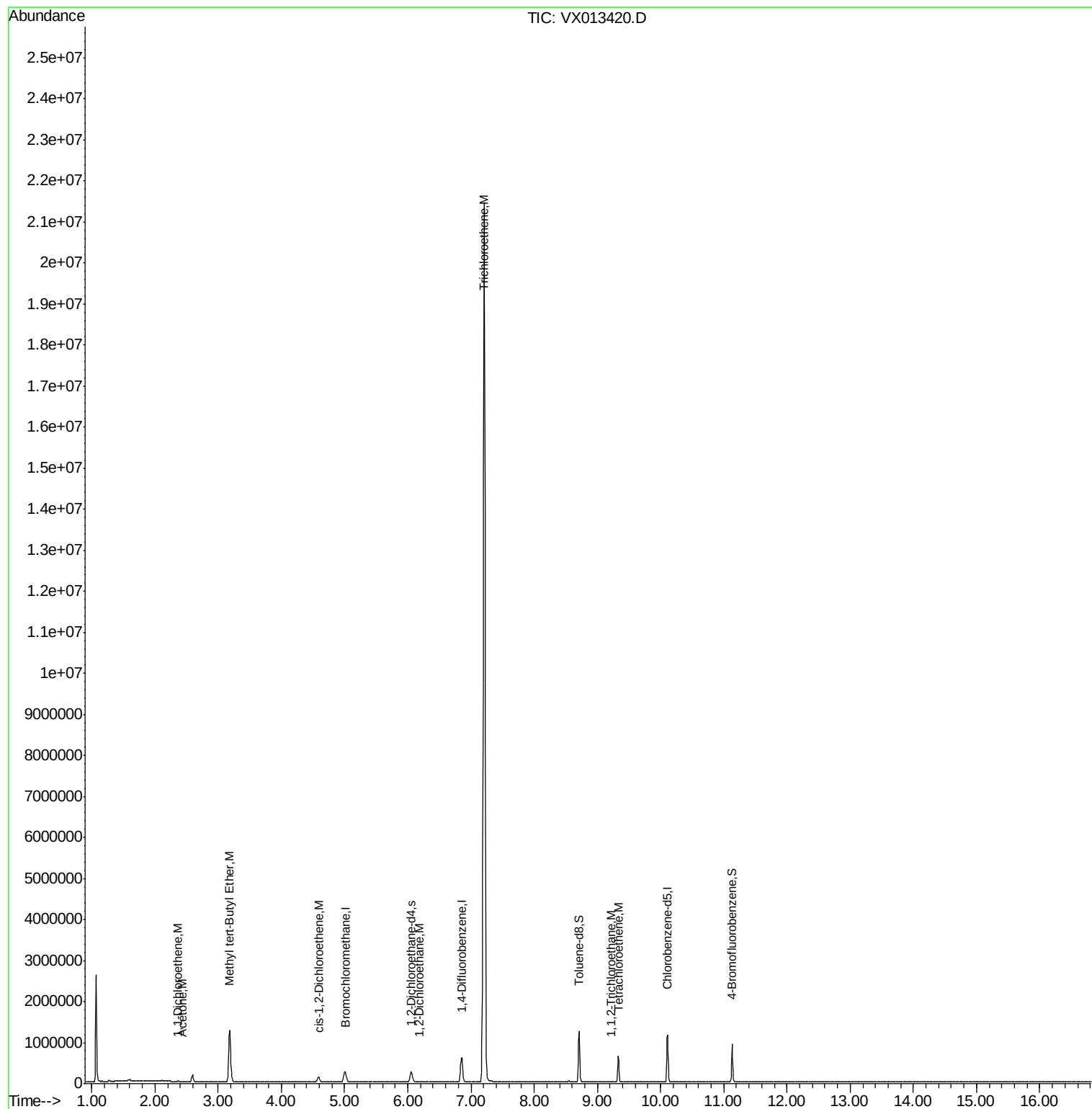
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1-Dichloroethene	2.36	96	7366	1.058	ug/l	96
15) Acetone	2.43	58	3884	2.859	ug/l	93
22) cis-1,2-Dichloroethene	4.59	96	79050	9.321	ug/l	87
24) Methyl tert-Butyl Ether	3.18	73	1393581	60.493	ug/l	100
36) 1,2-Dichloroethane	6.19	62	11730	1.160	ug/l	99
37) Trichloroethene	7.21	130	8329344	1076.157	ug/l	94
50) 1,1,2-Trichloroethane	9.22	97	3763	0.512	ug/l #	76
61) Tetrachloroethene	9.33	164	123851	18.663	ug/l	95

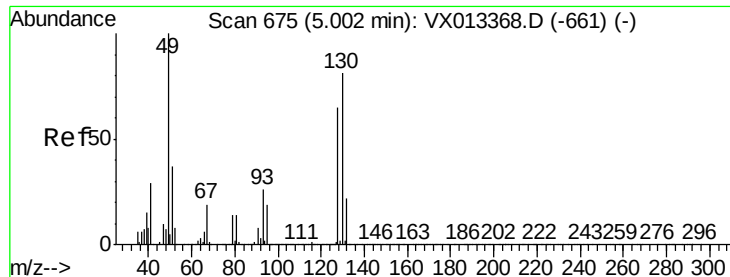
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX111419\
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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: VX013420.D

Acq: 14 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-57A-2

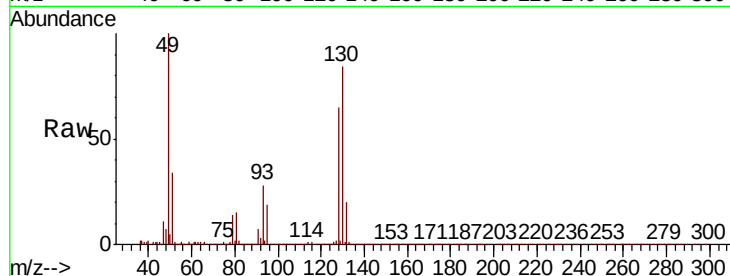
Tot Ion:128 Resp: 112703

Ion Ratio Lower Upper

128 100

49 156.9 0.0 388.3

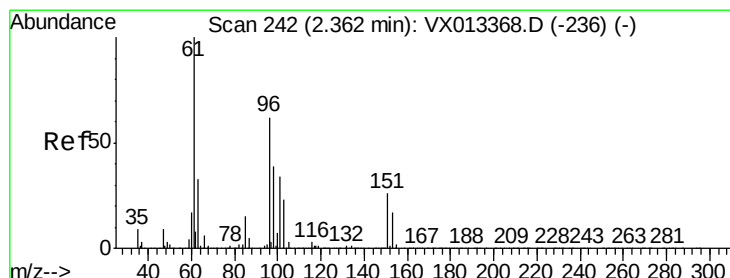
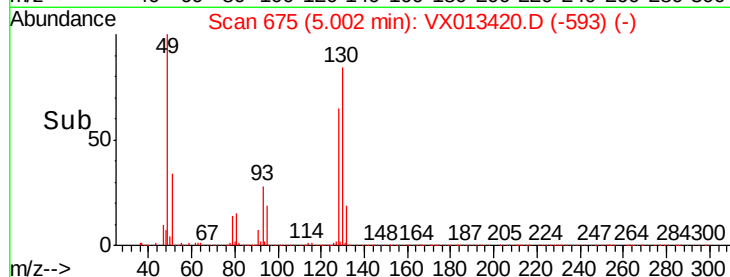
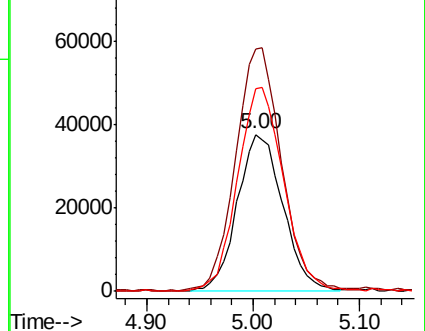
130 130.8 0.0 318.5



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



#10

1,1-Dichloroethene

Concen: 1.058 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX013420.D

Acq: 14 Nov 2019 14:26

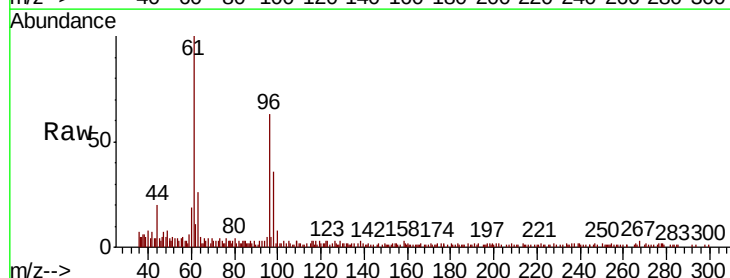
Tgt Ion: 96 Resp: 7366

Ion Ratio Lower Upper

96 100

61 159.9 128.9 193.3

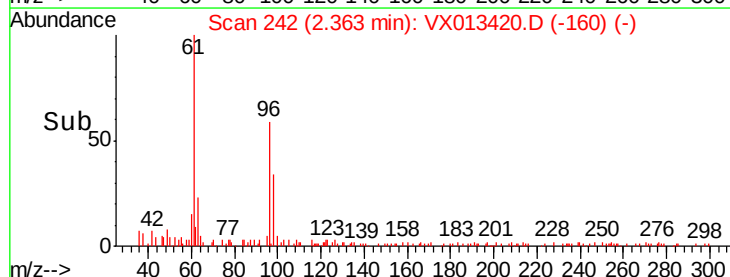
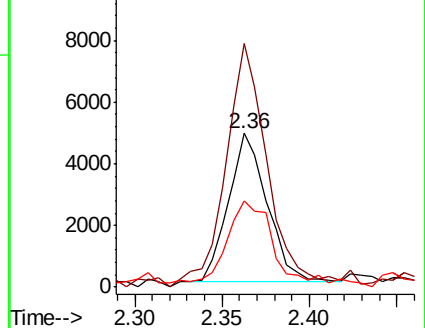
98 53.0 49.7 74.5

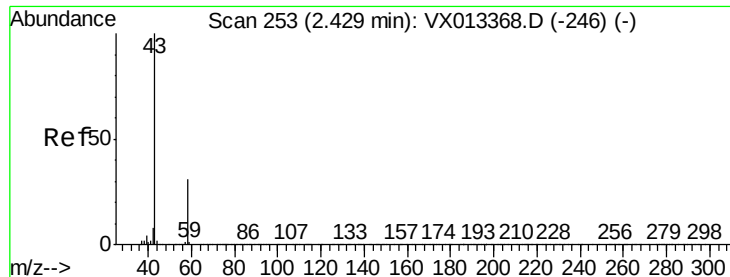


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#15

Acetone

Concen: 2.859 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013420.D

Acq: 14 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

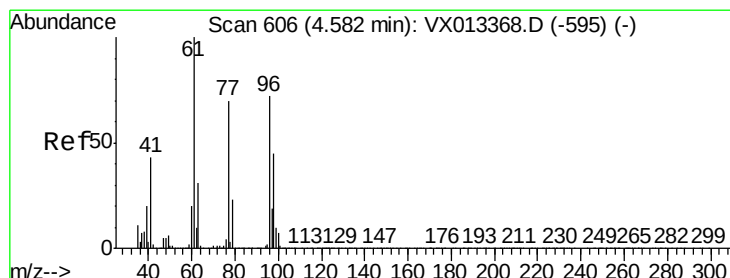
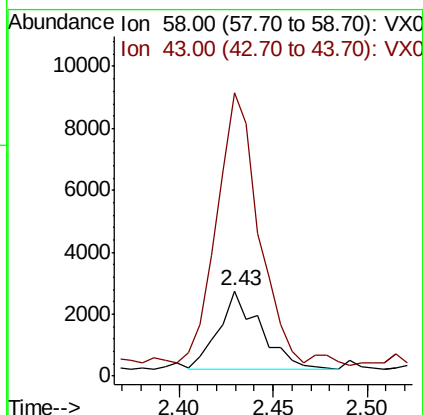
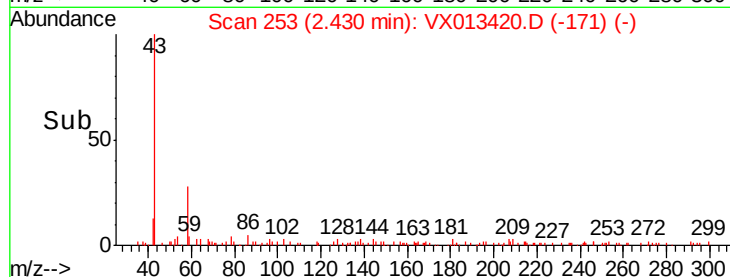
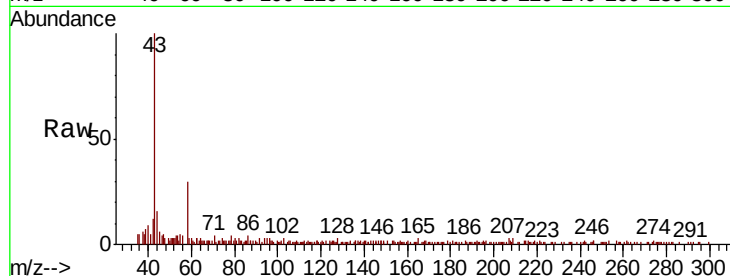
GE-MW-57A-2

Tot Ion: 58 Resp: 3884

Ion Ratio Lower Upper

58 100

43 341.9 261.4 392.2



#22

cis-1,2-Dichloroethene

Concen: 9.321 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013420.D

Acq: 14 Nov 2019 14:26

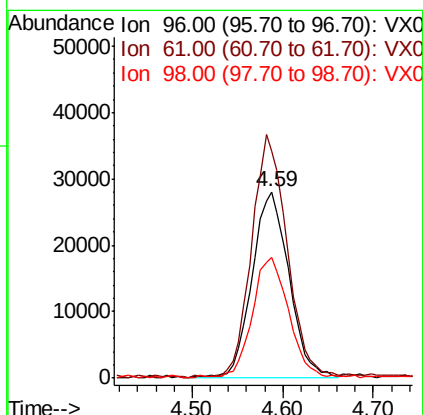
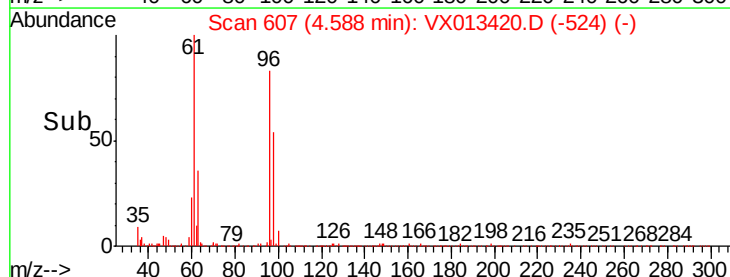
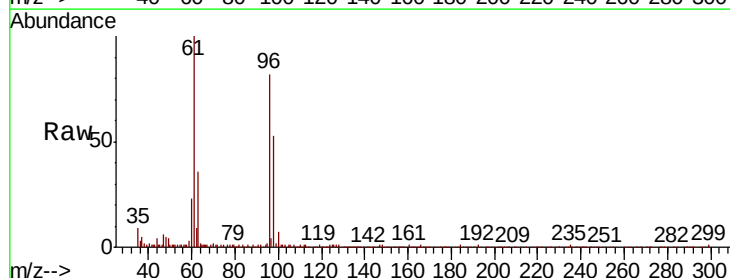
Tgt Ion: 96 Resp: 79050

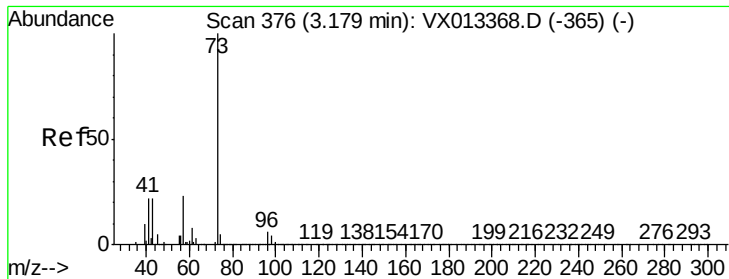
Ion Ratio Lower Upper

96 100

61 124.6 117.0 175.6

98 62.2 51.1 76.7





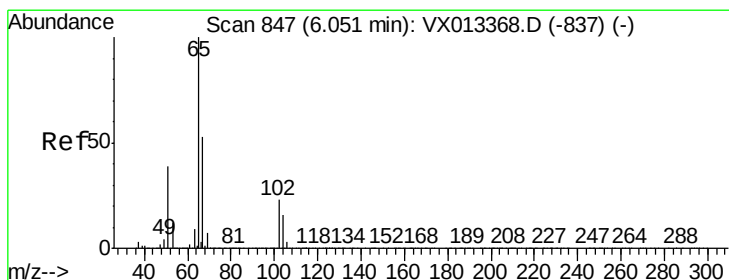
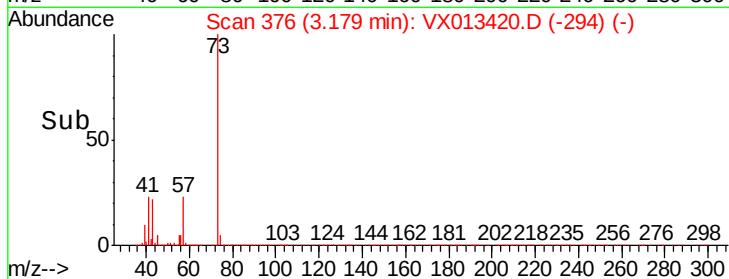
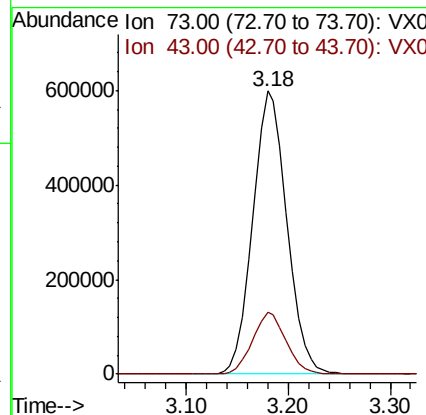
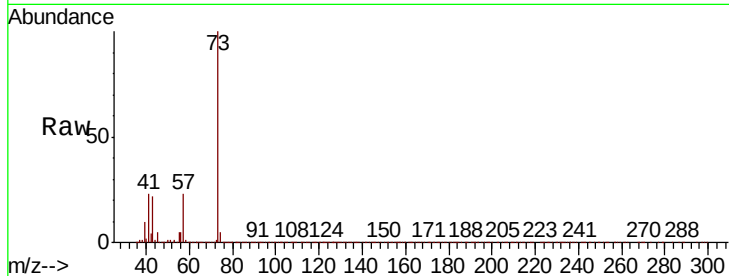
#24

Methyl tert-Butyl Ether
 Concen: 60.493 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX013420.D
 Acq: 14 Nov 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-57A-2

Tot Ion: 73 Resp: 1393581

Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.0	25.6

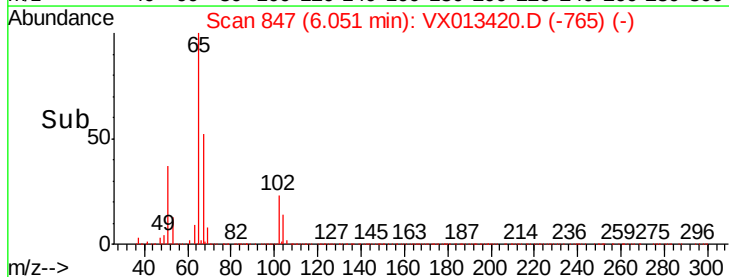
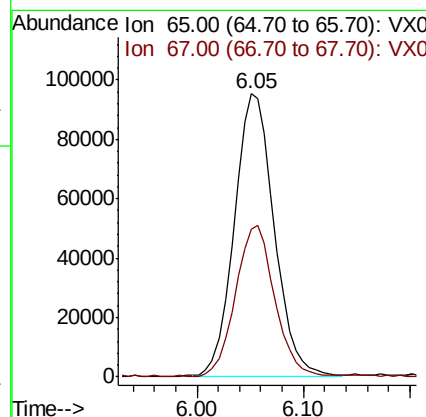
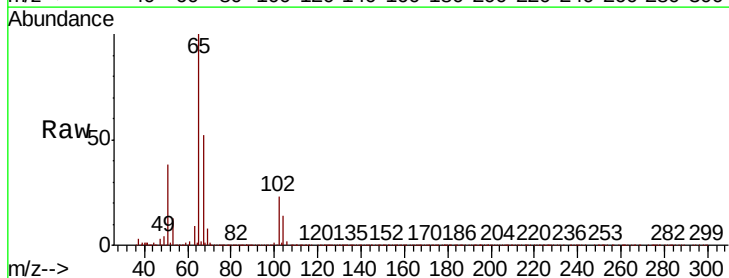


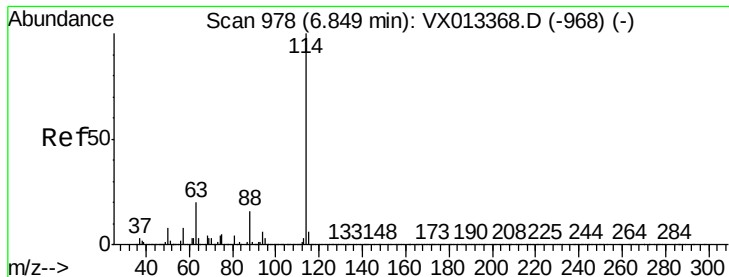
#27

1,2-Dichloroethane-d4
 Concen: 29.985 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013420.D
 Acq: 14 Nov 2019 14:26

Tgt Ion: 65 Resp: 249540

Ion	Ratio	Lower	Upper
65	100		
67	52.5	41.0	61.6

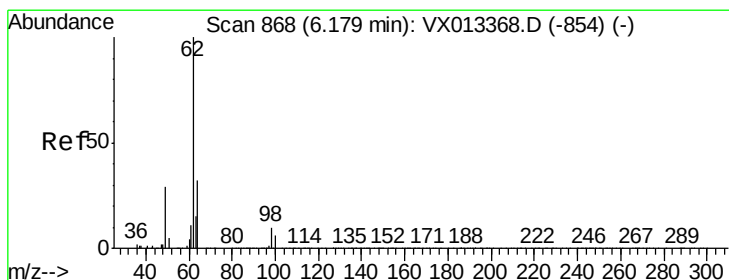
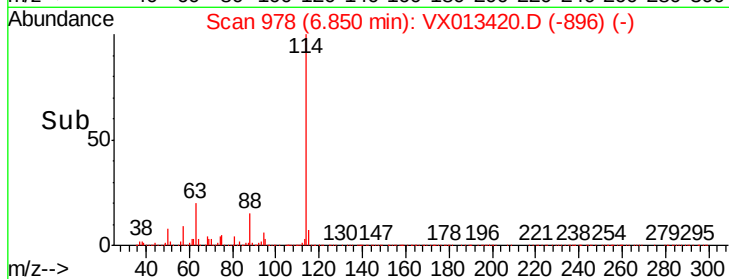
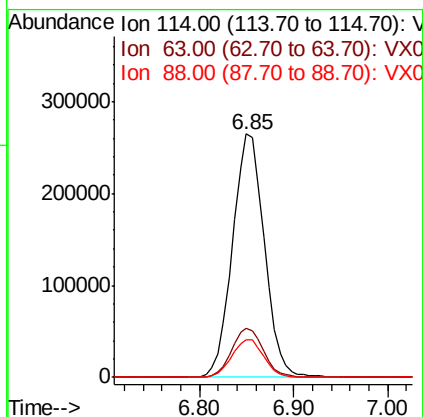
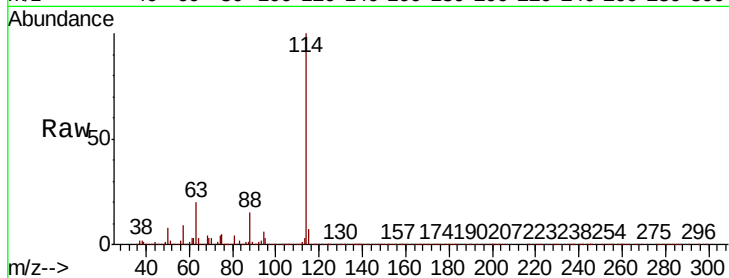




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013420.D
 Acq: 14 Nov 2019 14:26

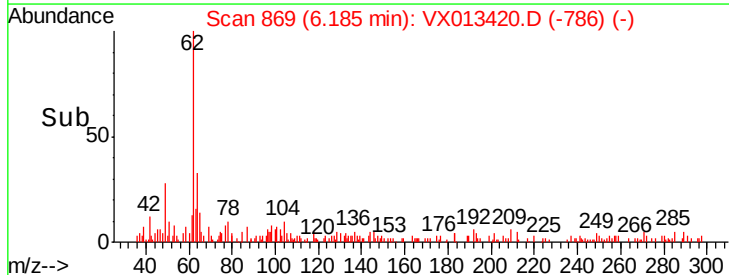
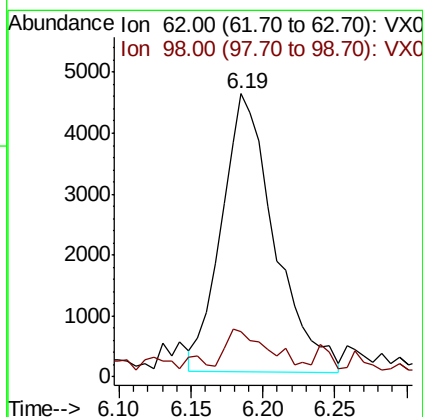
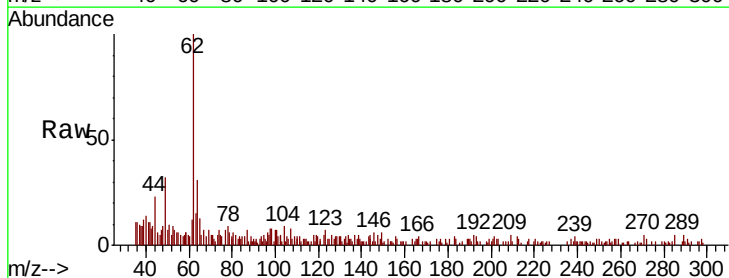
Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-57A-2

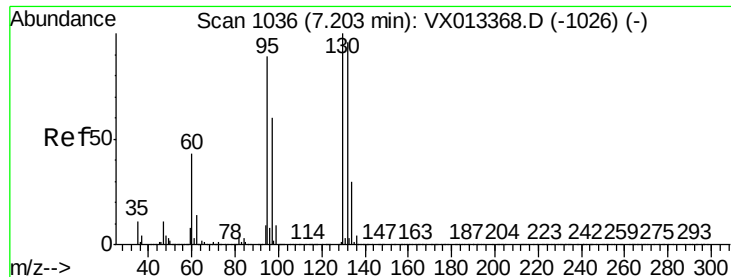
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	15.7	12.3	18.5



#36
 1,2-Dichloroethane
 Concen: 1.160 ug/l
 RT: 6.19 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: VX013420.D
 Acq: 14 Nov 2019 14:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.2	12.2





#37

Trichloroethene

Concen: 1076.157 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013420.D

Acq: 14 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

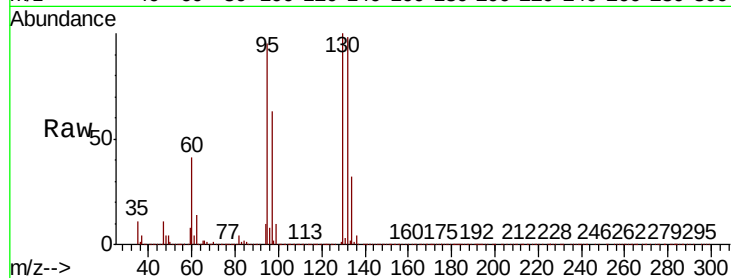
GE-MW-57A-2

Tot Ion:130 Resp: 8329344

Ion Ratio Lower Upper

130 100

95 94.6 71.3 106.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

4000000

3000000

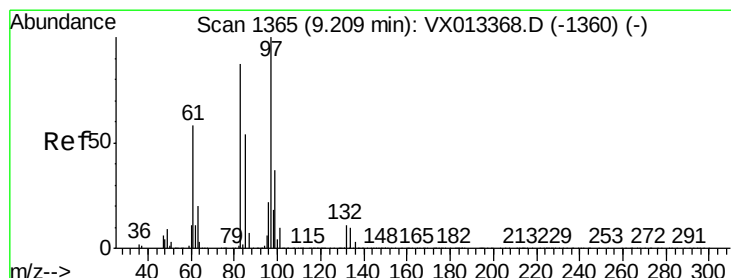
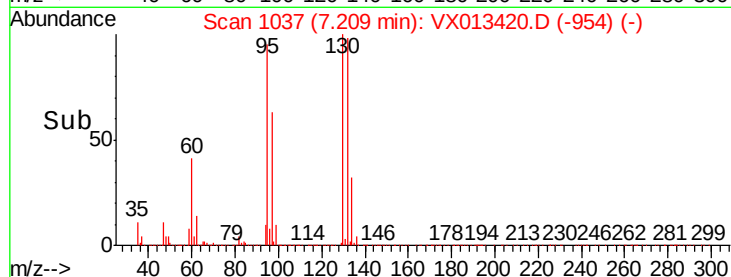
2000000

1000000

0

7.10 7.20 7.30 7.40

Time-->



#50

1,1,2-Trichloroethane

Concen: 0.512 ug/l

RT: 9.22 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VX013420.D

Acq: 14 Nov 2019 14:26

Tgt Ion: 97 Resp: 3763

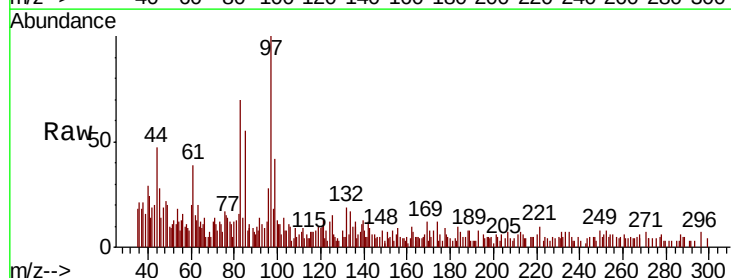
Ion Ratio Lower Upper

97 100

83 64.8 69.6 104.4#

85 48.2 45.5 68.3

99 36.4 50.0 75.0#



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 84.95 (84.65 to 85.65): VX0

Ion 98.95 (98.65 to 99.65): VX0

3000

2500

2000

1500

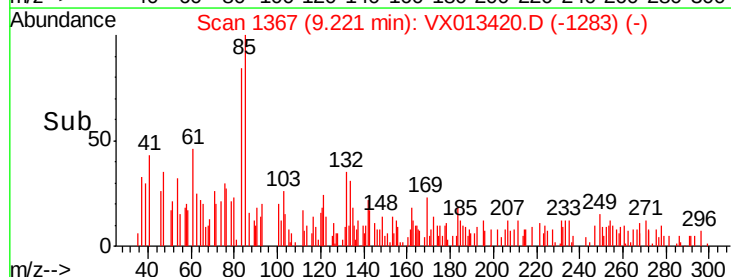
1000

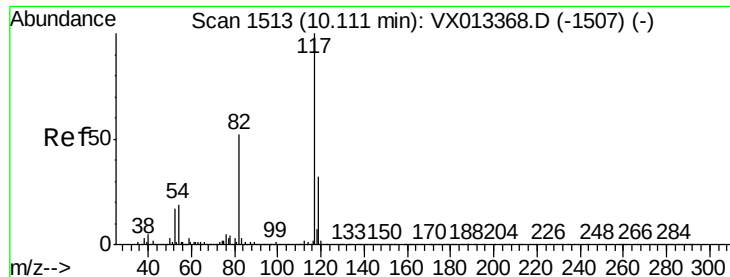
500

0

9.20 9.25

Time-->

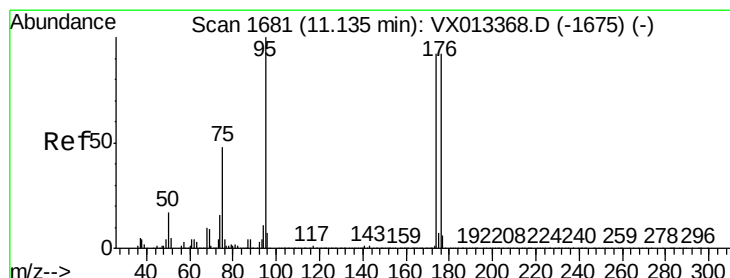
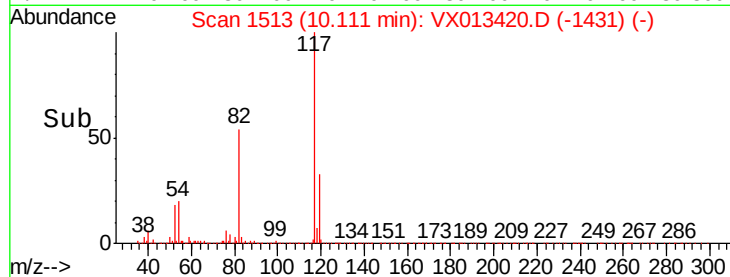
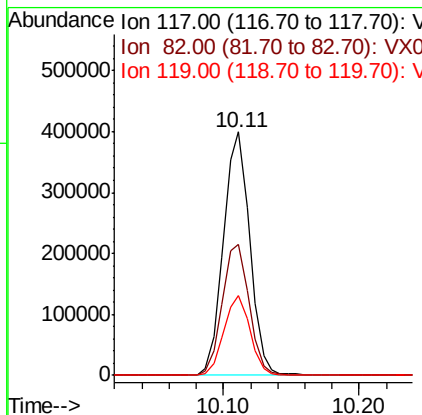
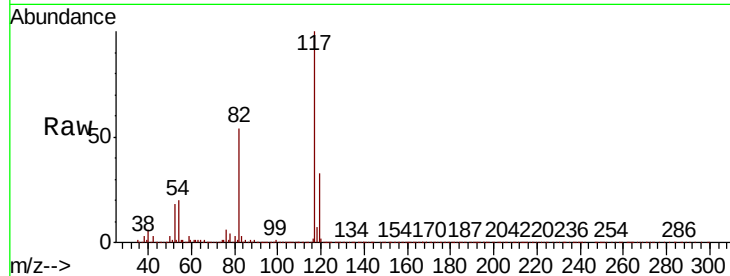




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013420.D
Acq: 14 Nov 2019 14:26

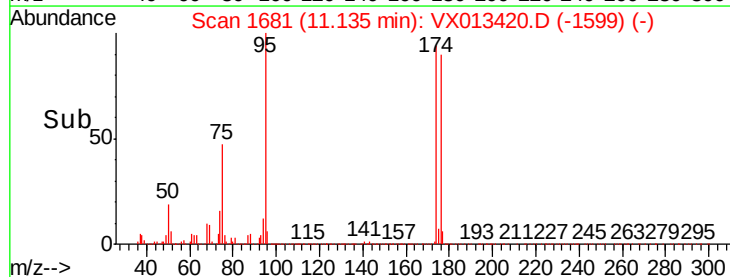
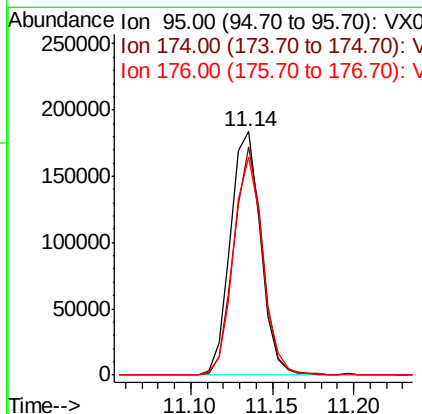
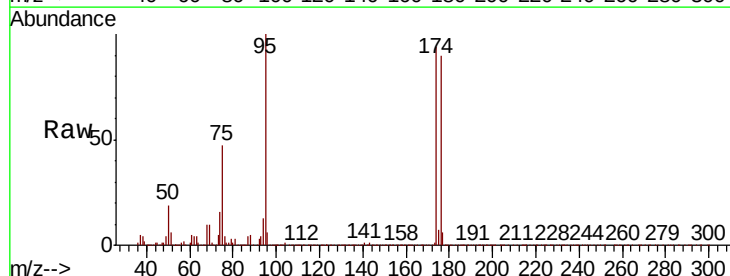
Instrument :
MSVOA_X
ClientSampled :
GE-MW-57A-2

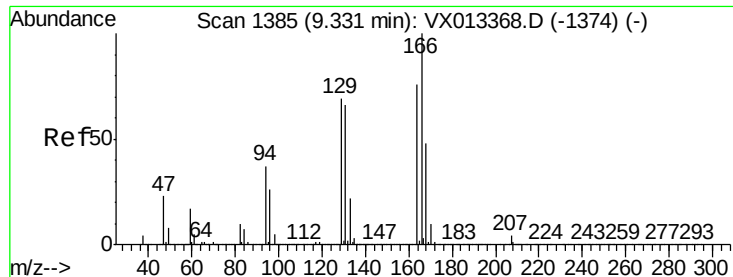
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.7	65.5
119	32.5	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 27.465 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013420.D
Acq: 14 Nov 2019 14:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	70.2	105.2
176	87.2	68.3	102.5





#61

Tetrachloroethene

Concen: 18.663 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013420.D

Acq: 14 Nov 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-57A-2

Tot Ion:164 Resp: 123851

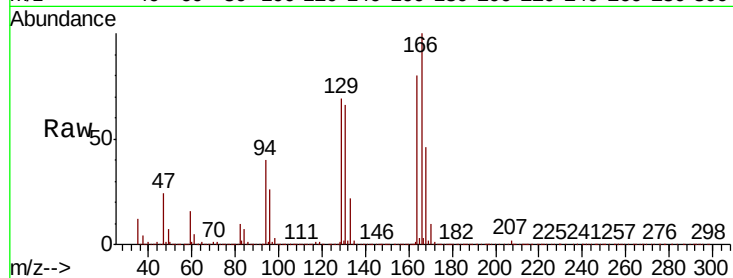
Ion Ratio Lower Upper

164 100

166 124.9 104.9 157.3

129 86.1 72.3 108.5

131 82.6 69.0 103.6

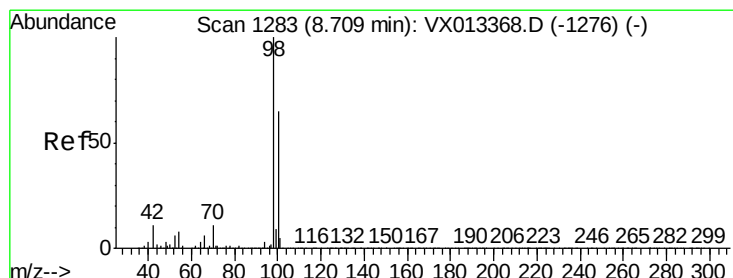
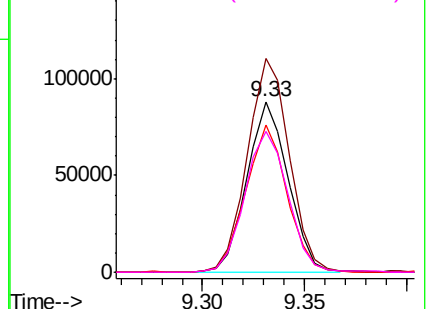
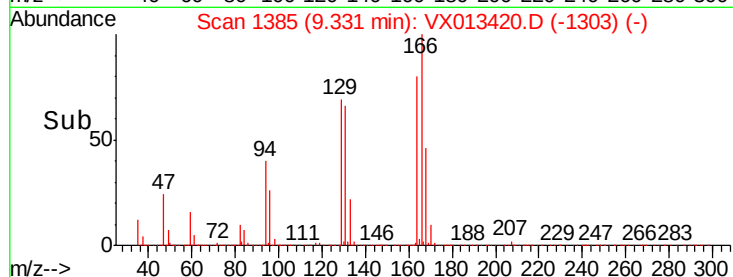


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 30.642 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013420.D

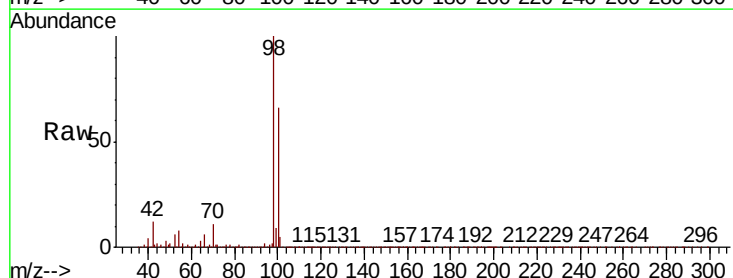
Acq: 14 Nov 2019 14:26

Tgt Ion: 98 Resp: 745700

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

