

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX050319\
 Data File : VX009301.D
 Acq On : 03 May 2019 10:27
 Operator : JC/SP
 Sample : VX0503WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBL01

Quant Time: May 03 10:46:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30565	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	177797	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151647	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	77102	30.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.37%
60) 4-Bromofluorobenzene	11.13	95	70043	27.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.60%
63) Toluene-d8	8.71	98	217489	30.25	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.83%

Target Compounds

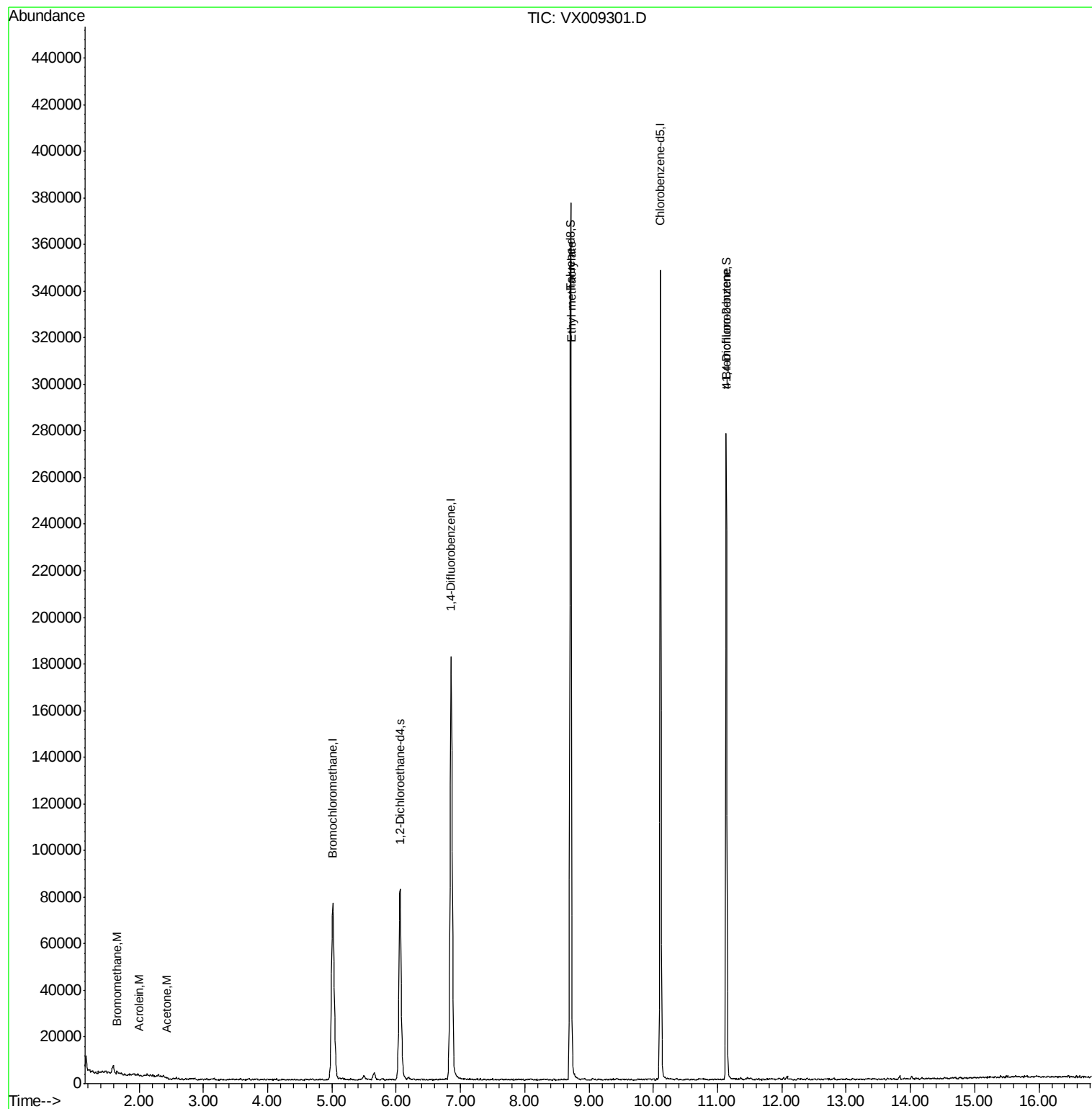
					Qvalue
5) Bromomethane	1.65	94	319	0.231 ug/l	86
13) Acrolein	2.01	56	89	0.206 ug/l	85
15) Acetone	2.44	58	94	0.240 ug/l #	8
51) Ethyl methacrylate	8.73	69	891	0.242 ug/l	88
77) t-1,4-Dichloro-2-butene	11.13	75	35613	32.097 ug/l #	10

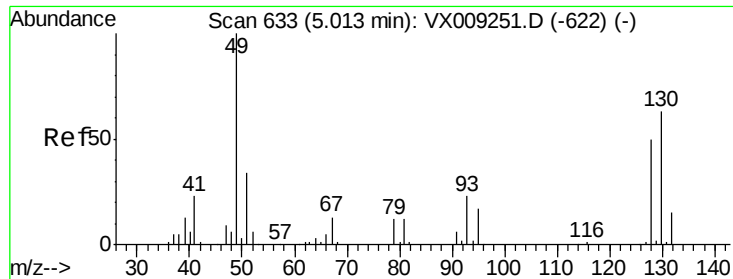
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 03 10:46:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009301.D

Acq: 03 May 2019 10:27

Instrument :

MSVOA_X

ClientSampled :

VX0503WBL01

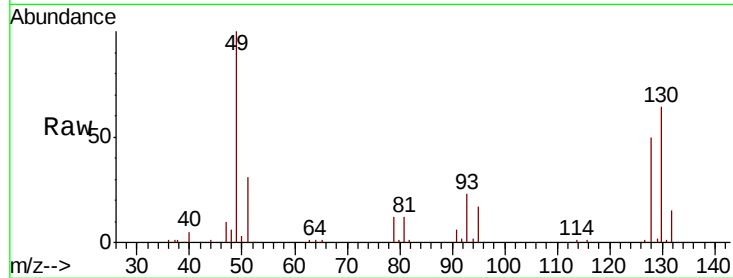
Tgt Ion:128 Resp: 30565

Ion Ratio Lower Upper

128 100

49 202.2 0.0 515.0

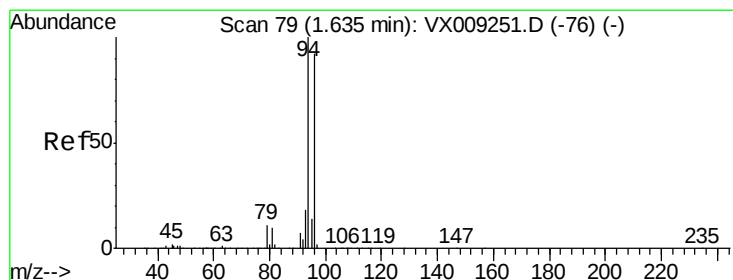
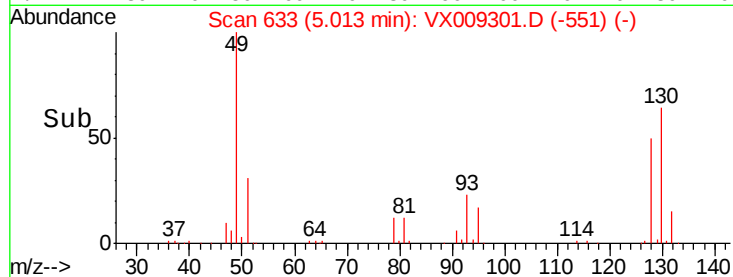
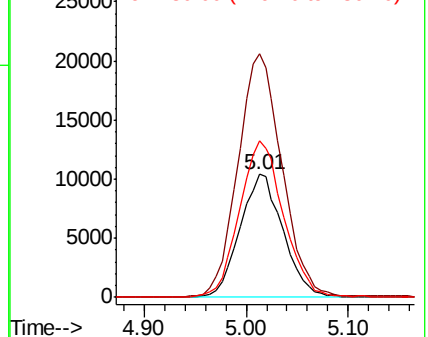
130 129.9 0.0 323.3



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: 0.231 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009301.D

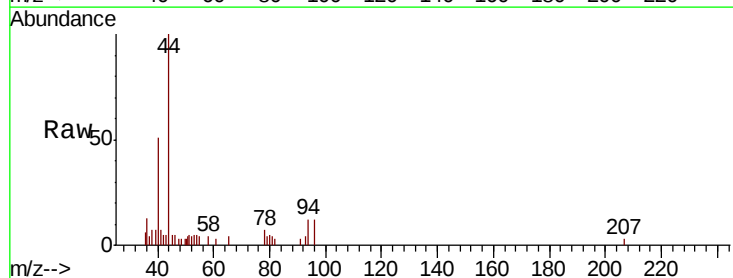
Acq: 03 May 2019 10:27

Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

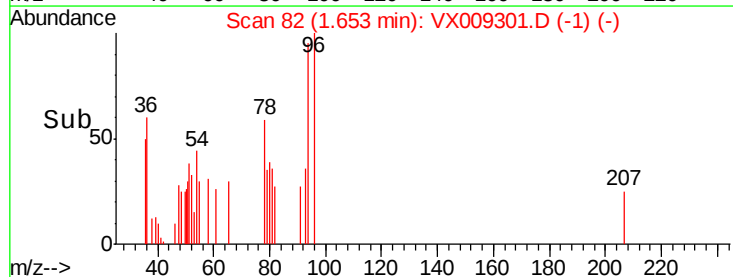
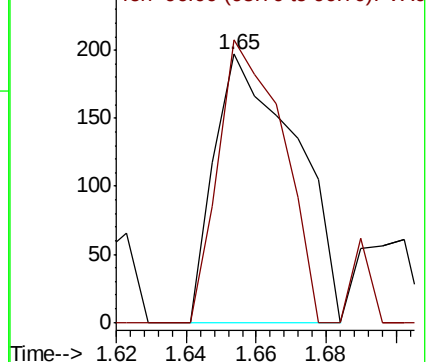
94 100

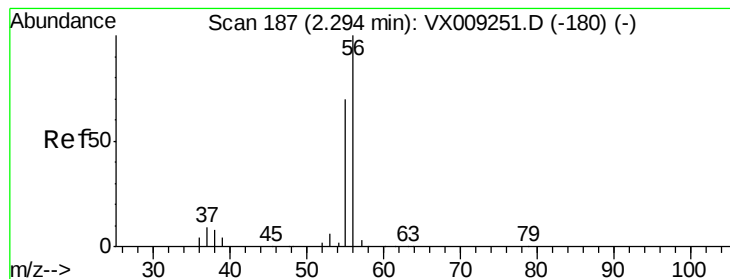
96 105.6 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0





#13

Acrolein

Concen: 0.206 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.29 min

Lab File: VX009301.D

Acq: 03 May 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

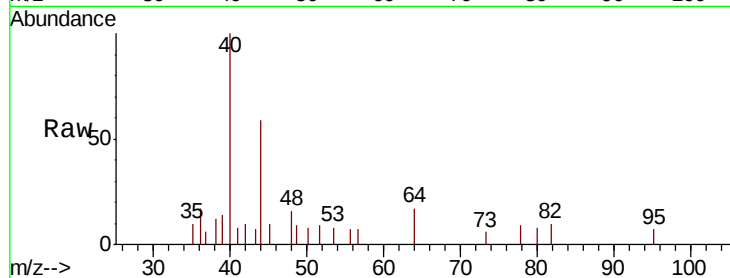
VX0503WBL01

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

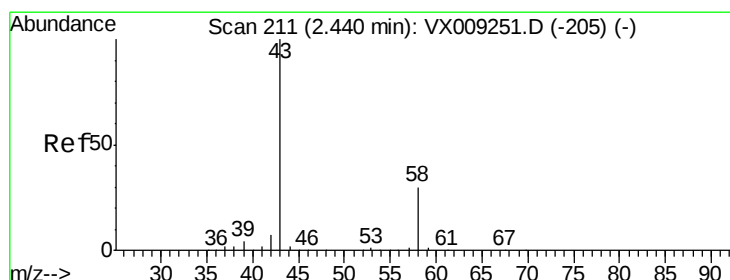
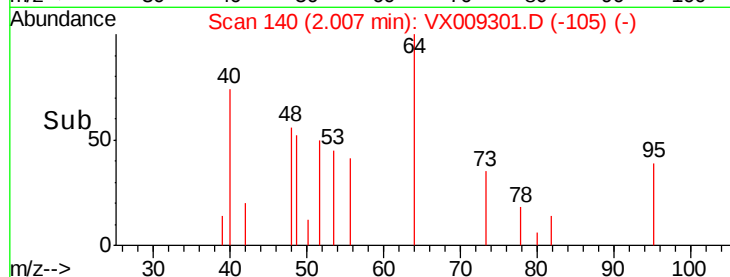
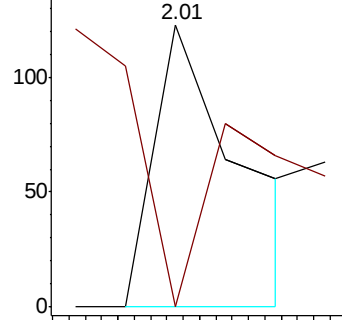
56 100

55 83.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 0.240 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009301.D

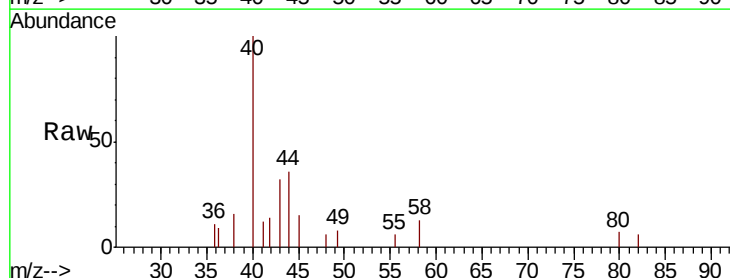
Acq: 03 May 2019 10:27

Tgt Ion: 58 Resp: 94

Ion Ratio Lower Upper

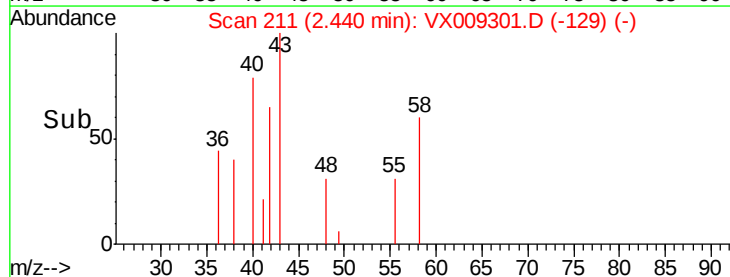
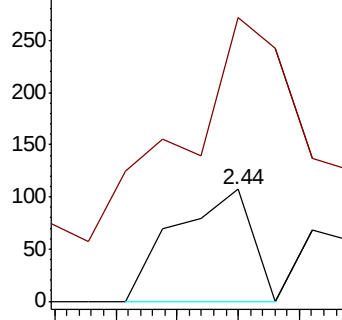
58 100

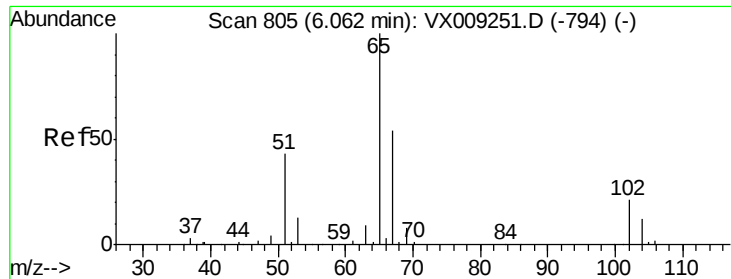
43 137.4 264.0 396.0#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

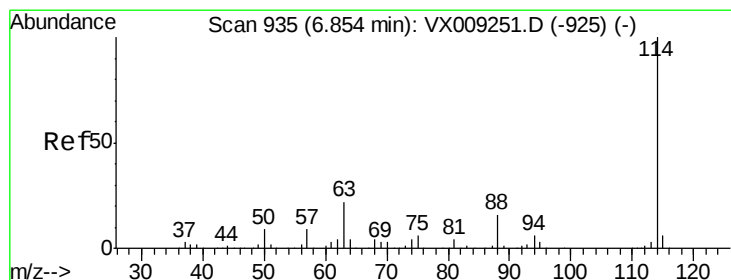
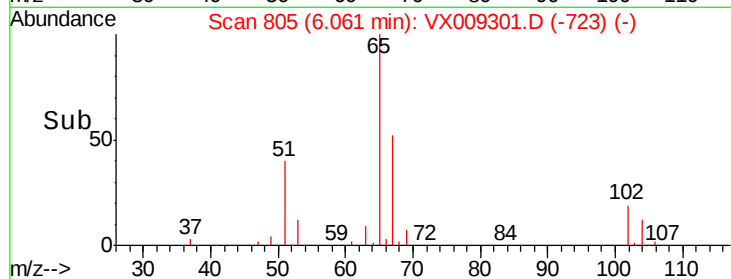
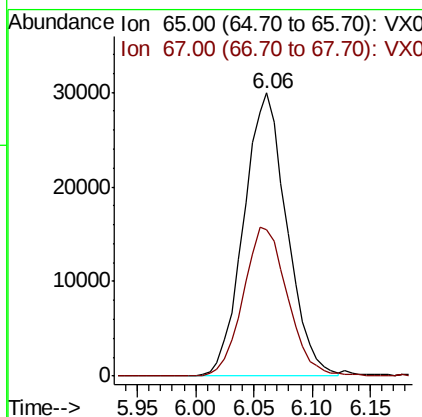
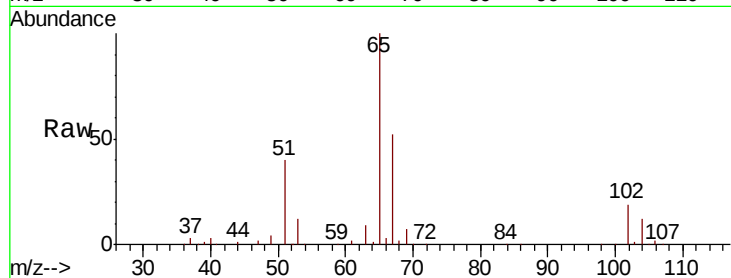




#27
 1,2-Dichloroethane-d4
 Concen: 30.409 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009301.D
 Acq: 03 May 2019 10:27

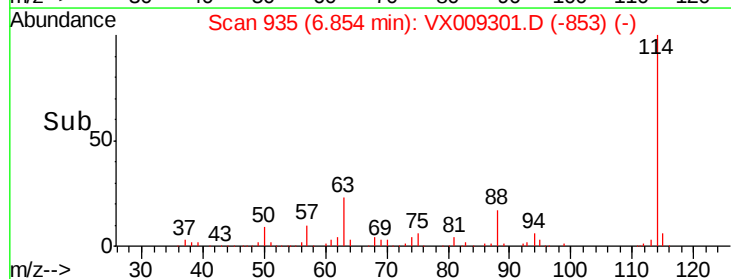
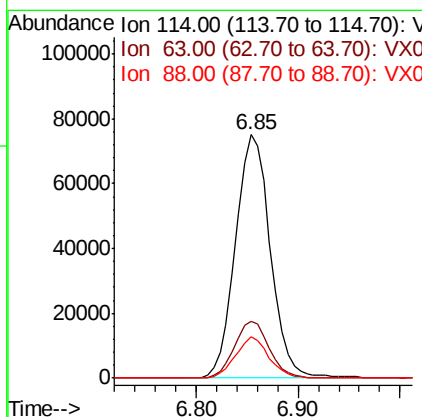
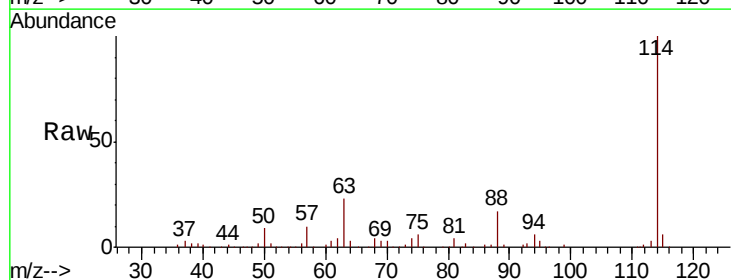
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBL01

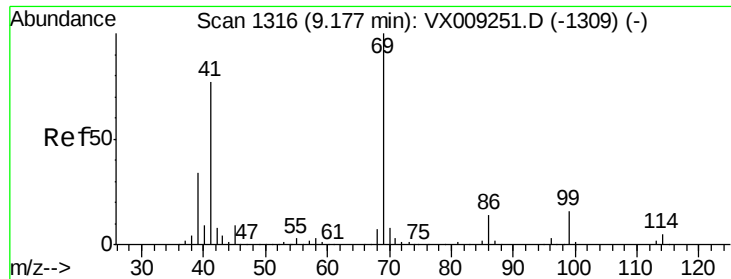
Tgt Ion: 65 Resp: 77102
 Ion Ratio Lower Upper
 65 100
 67 53.5 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX009301.D
 Acq: 03 May 2019 10:27

Tgt Ion: 114 Resp: 177797
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.0 27.0
 88 16.1 13.4 20.0





#51

Ethyl methacrylate

Concen: 0.242 ug/l

RT: 8.73 min Scan# 1242

Delta R.T. -0.45 min

Lab File: VX009301.D

Acq: 03 May 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBL01

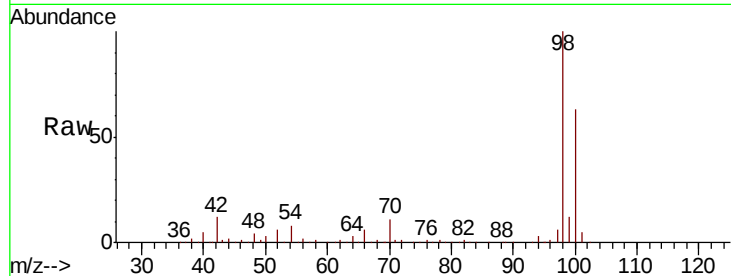
Tgt Ion: 69 Resp: 891

Ion Ratio Lower Upper

69 100

41 85.3 38.4 115.2

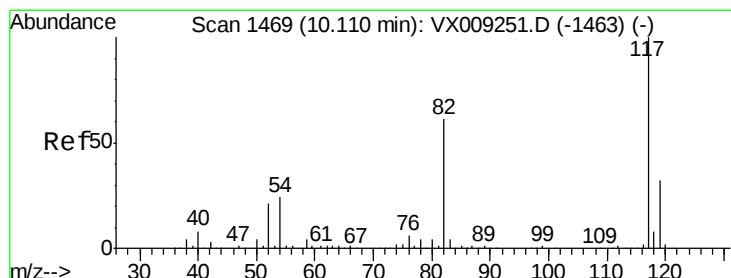
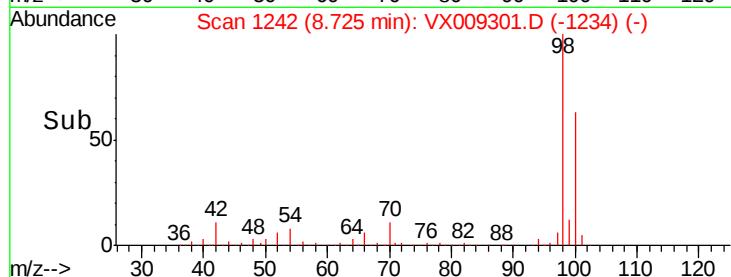
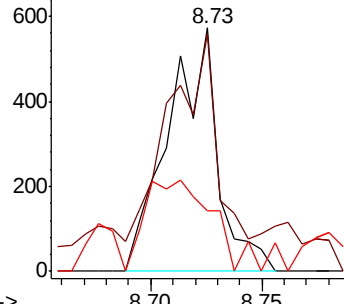
39 24.8 17.2 51.5



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009301.D

Acq: 03 May 2019 10:27

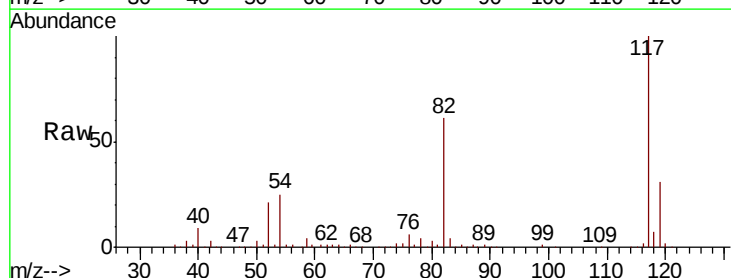
Tgt Ion: 117 Resp: 151647

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.8

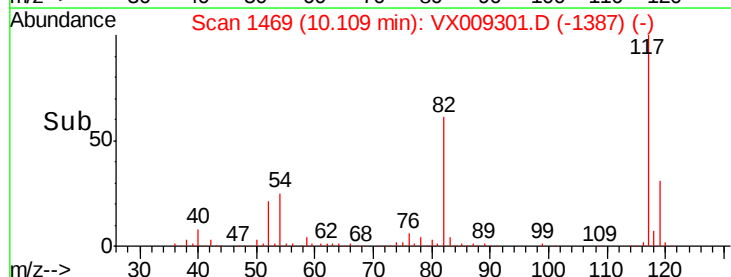
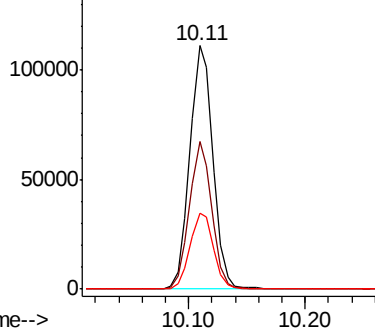
119 32.0 25.6 38.4

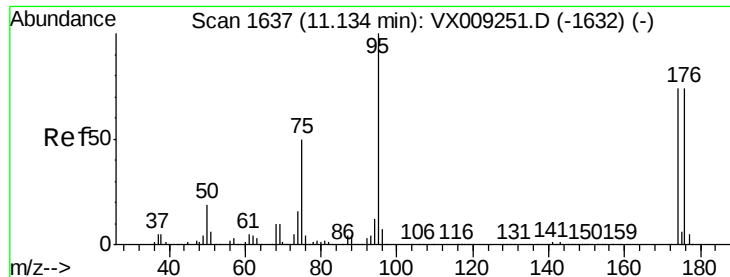


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.182 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009301.D

Acq: 03 May 2019 10:27

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBL01

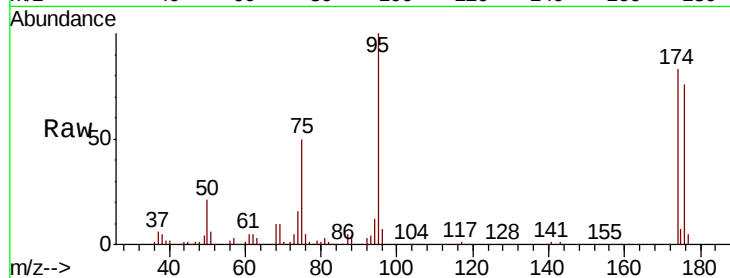
Tgt Ion: 95 Resp: 70043

Ion Ratio Lower Upper

95 100

174 83.7 63.6 95.4

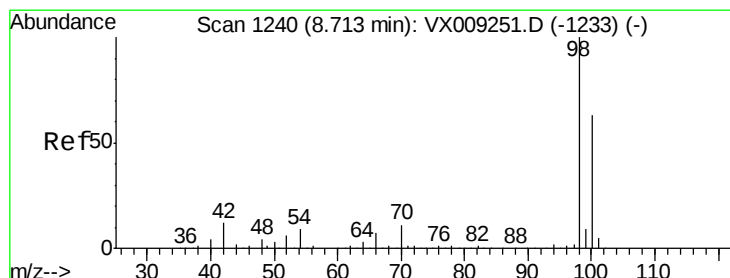
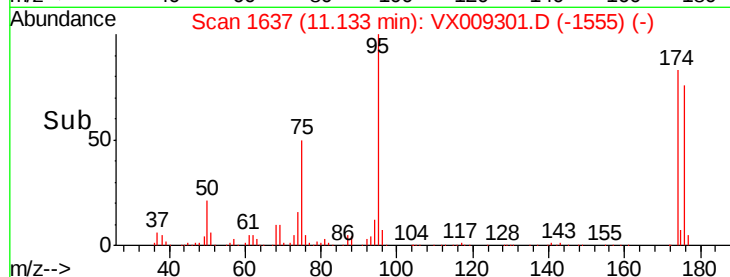
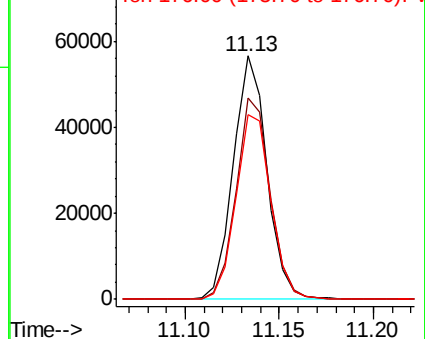
176 79.5 62.4 93.6



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: 30.250 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009301.D

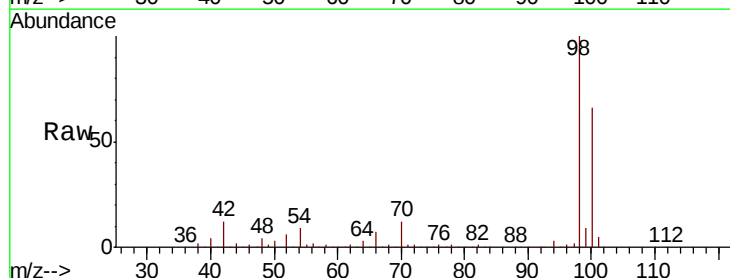
Acq: 03 May 2019 10:27

Tgt Ion: 98 Resp: 217489

Ion Ratio Lower Upper

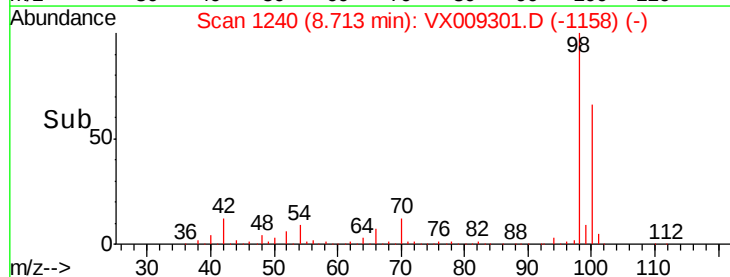
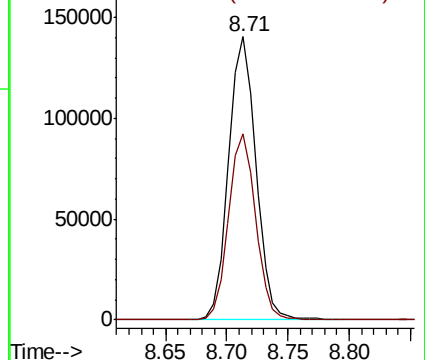
98 100

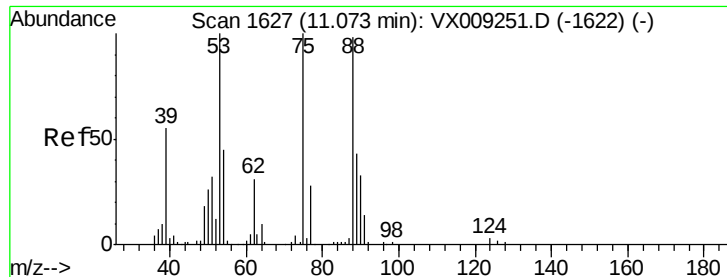
100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 32.097 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX009301.D
Acq: 03 May 2019 10:27

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBL01

Tgt Ion: 75 Resp: 35613
Ion Ratio Lower Upper
75 100
53 0.0 50.0 149.8#
89 0.0 21.6 65.0#

