

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX021319\
 Data File : VX007505.D
 Acq On : 13 Feb 2019 01:42
 Operator : JC/SP
 Sample : VX0213WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBL01

Quant Time: Feb 13 08:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	78296	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	405694	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	345588	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	155167	30.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.13%
60) 4-Bromofluorobenzene	11.13	95	148527	28.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.33%
63) Toluene-d8	8.71	98	462685	29.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.73%

Target Compounds

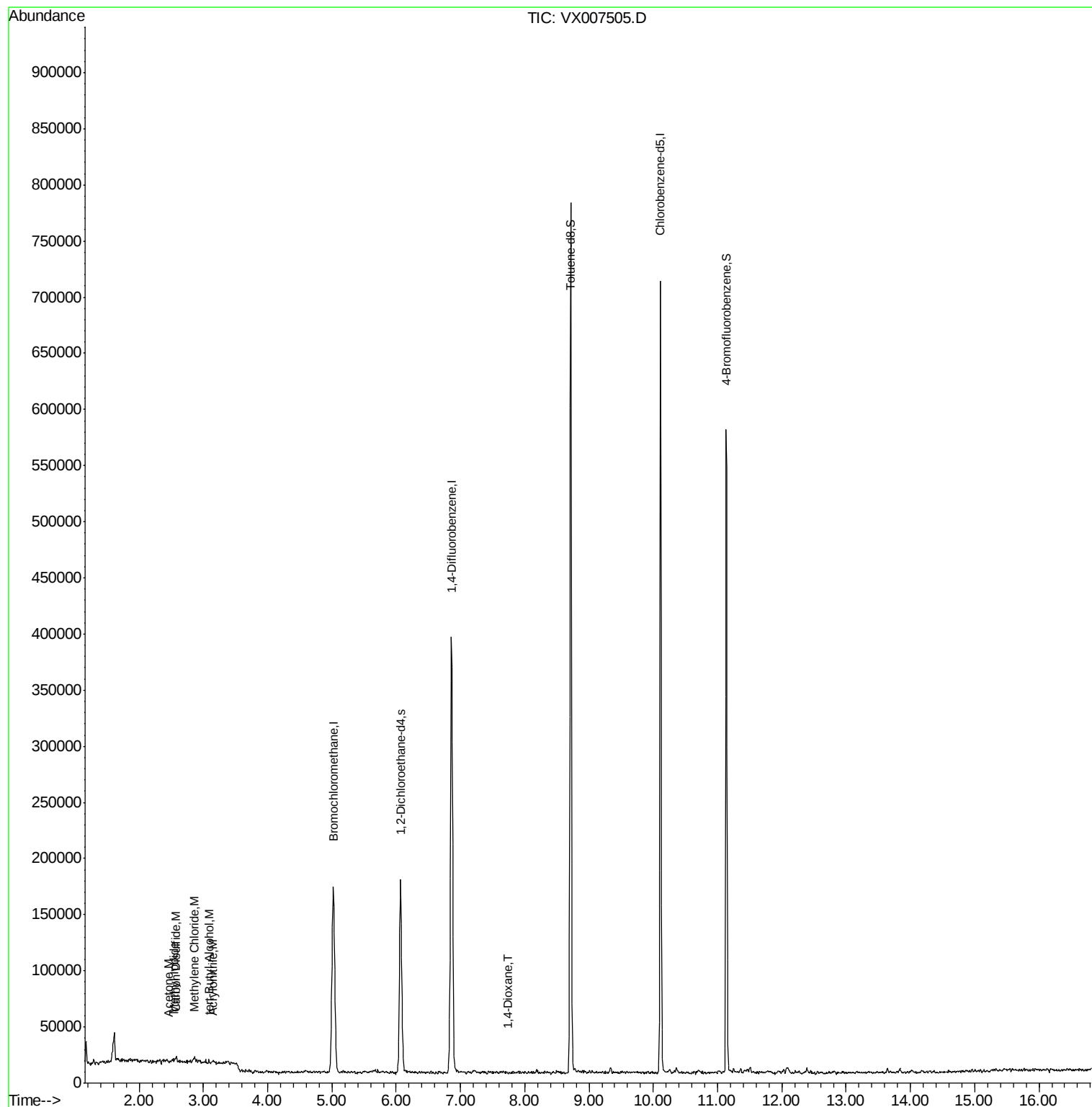
					Qvalue	
11) Methyl Iodide	2.53	142	1537	0.249	ug/l	84
14) Acrylonitrile	3.15	53	1185	0.434	ug/l	65
15) Acetone	2.46	58	499	0.673	ug/l #	1
16) Carbon Disulfide	2.57	76	5021	0.440	ug/l #	78
18) Methylene Chloride	2.86	84	1457	0.301	ug/l #	50
23) tert-Butyl Alcohol	3.08	59	390	0.339	ug/l #	85
45) 1,4-Dioxane	7.74	88	115	0.984	ug/l #	1

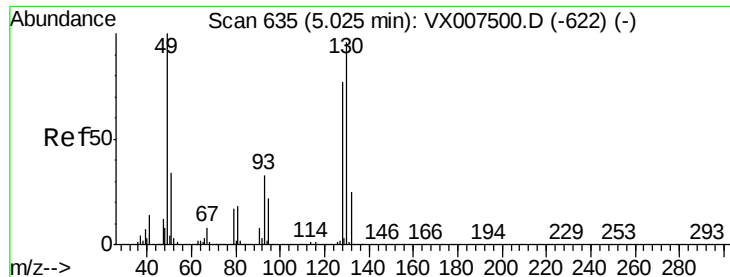
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007505.D

Acq: 13 Feb 2019 01:42

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBL01

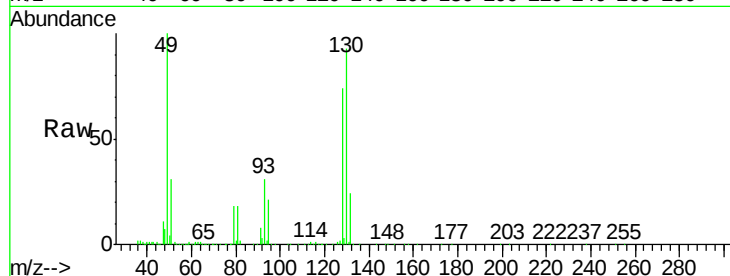
Tgt Ion:128 Resp: 78296

Ion Ratio Lower Upper

128 100

49 138.6 0.0 350.8

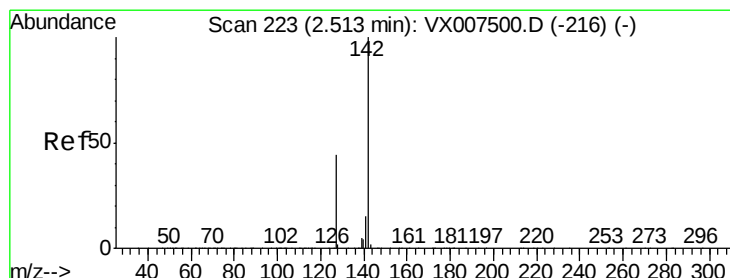
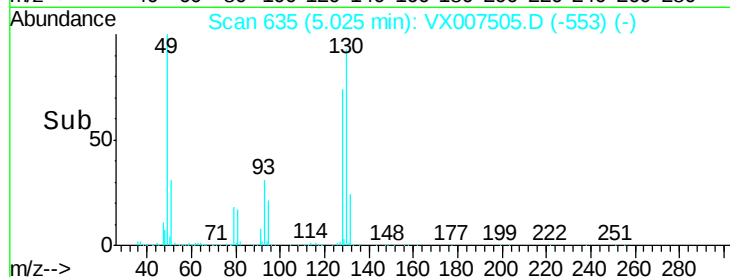
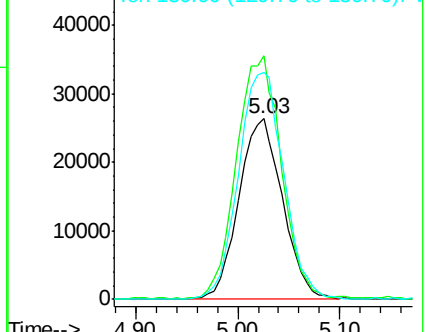
130 130.8 0.0 325.8



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



#11

Methyl Iodide

Concen: 0.249 ug/l

RT: 2.53 min Scan# 226

Delta R.T. 0.02 min

Lab File: VX007505.D

Acq: 13 Feb 2019 01:42

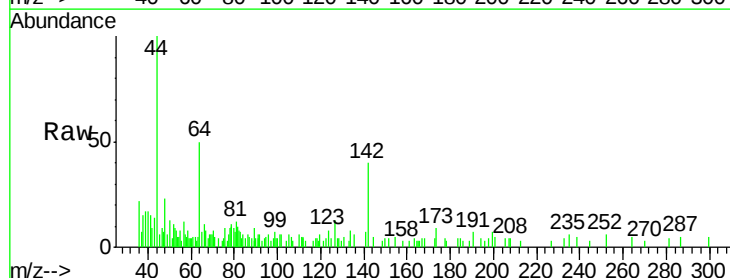
Tgt Ion:142 Resp: 1537

Ion Ratio Lower Upper

142 100

127 34.1 22.1 66.5

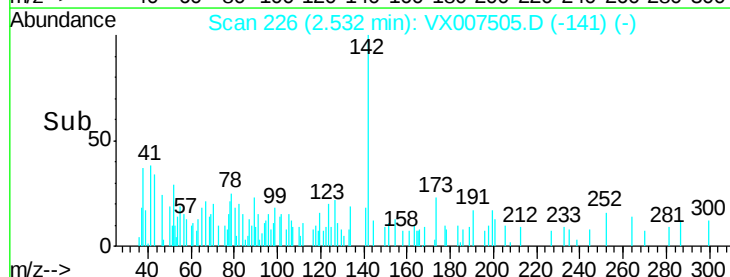
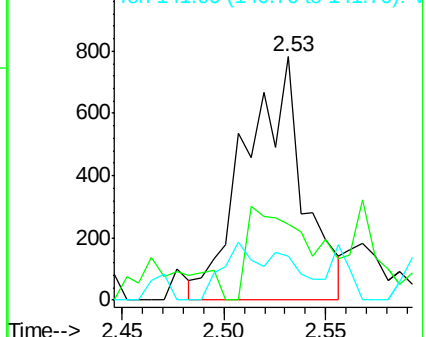
141 8.1 7.4 22.3

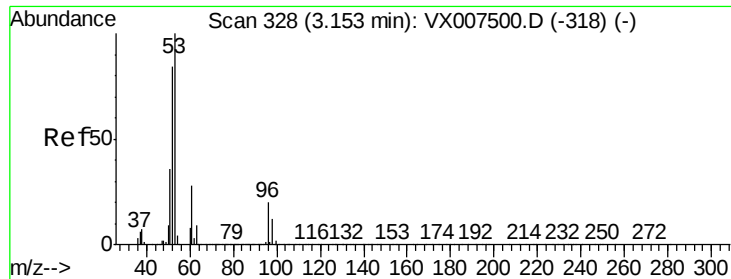


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#14

Acrylonitrile

Concen: 0.434 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007505.D

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Instrument :

MSVOA_X

ClientSampleId :

VX0213WBL01

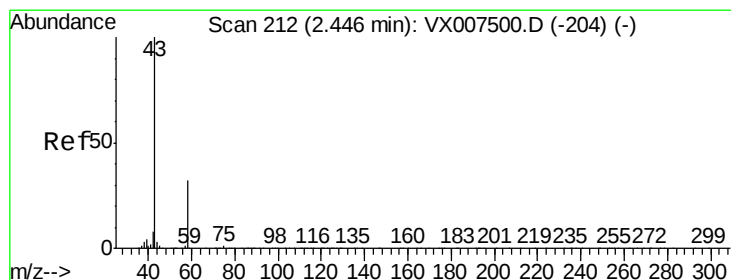
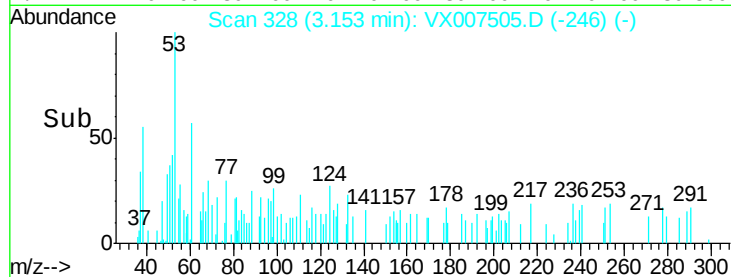
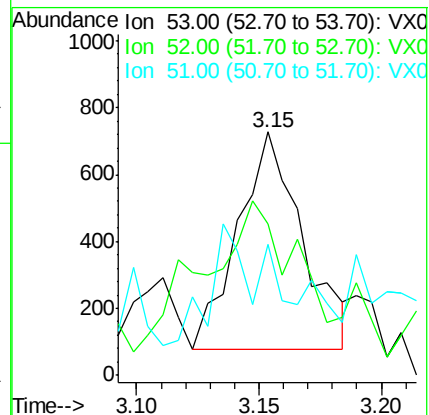
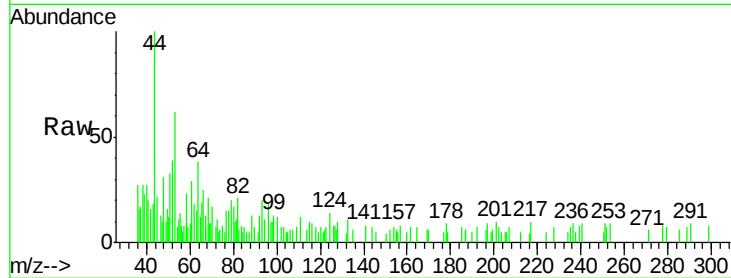
Tgt Ion: 53 Resp: 1185

Ion Ratio Lower Upper

53 100

52 47.5 41.3 124.1

51 20.2 17.5 52.6



#15

Acetone

Concen: 0.673 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX007505.D

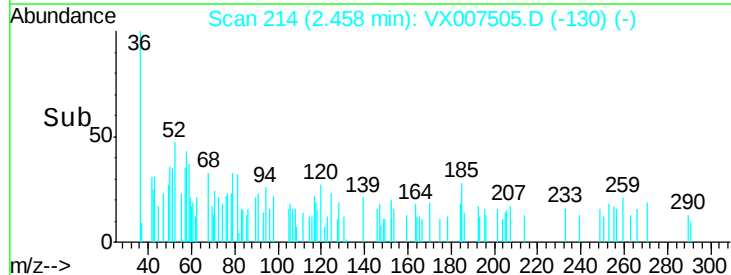
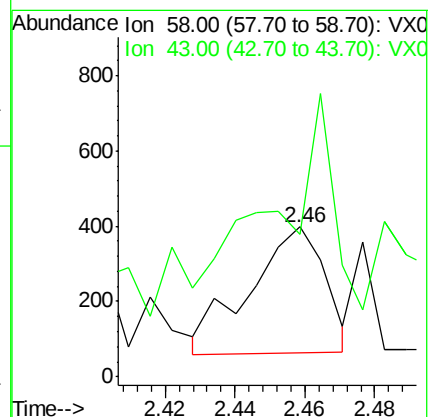
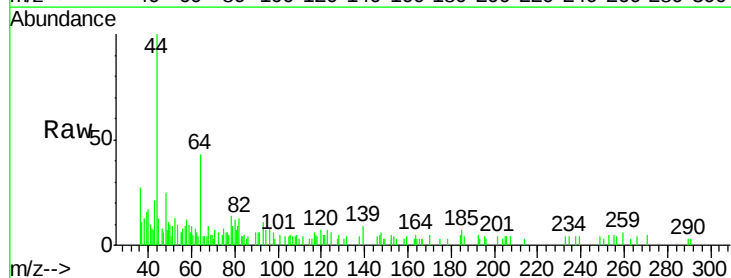
Acq: 13 Feb 2019 01:42

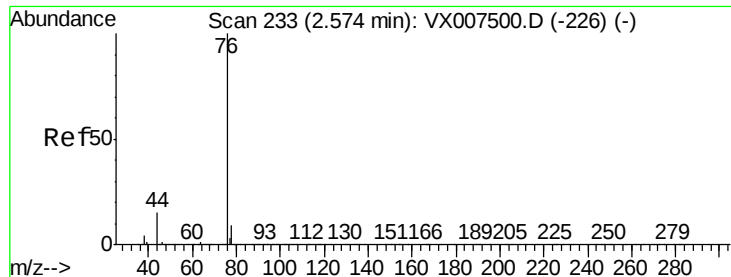
Tgt Ion: 58 Resp: 499

Ion Ratio Lower Upper

58 100

43 49.8 249.8 374.6#

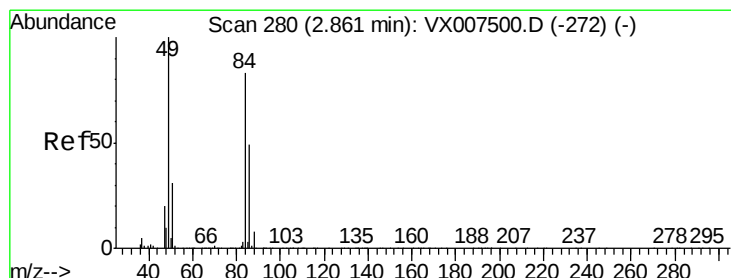
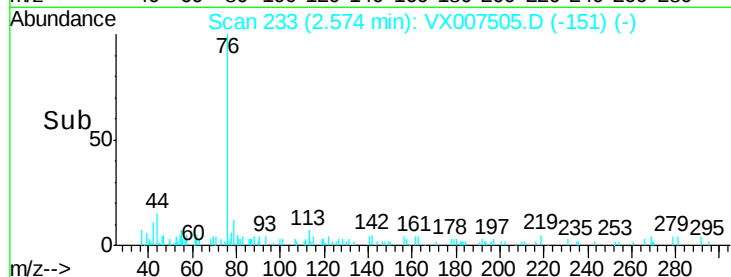
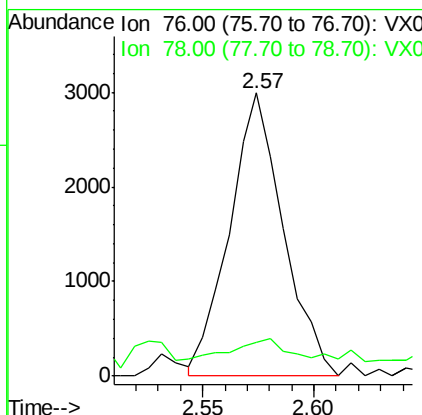
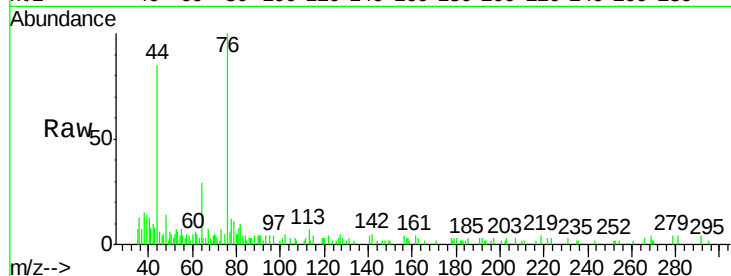




#16
Carbon Disulfide
Concen: 0.440 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX007505.D
Acq: 13 Feb 2019 01:42

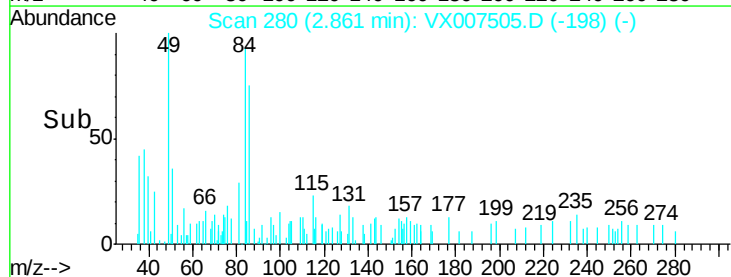
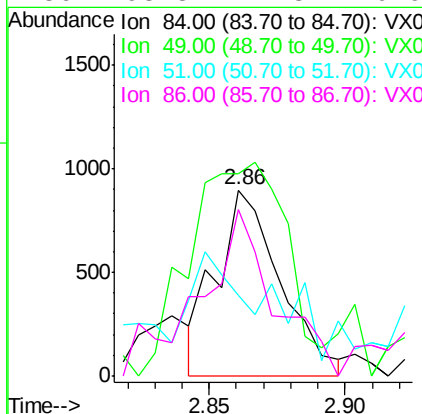
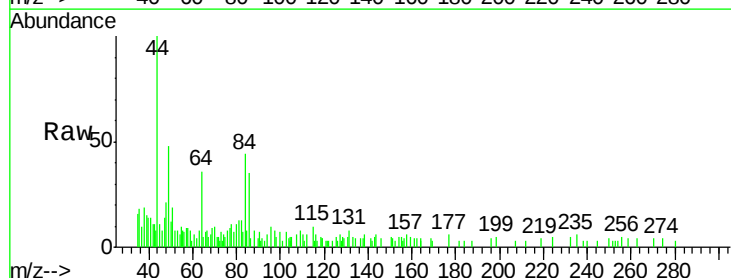
Instrument :
MSVOA_X
ClientSampleId :
VX0213WBL01

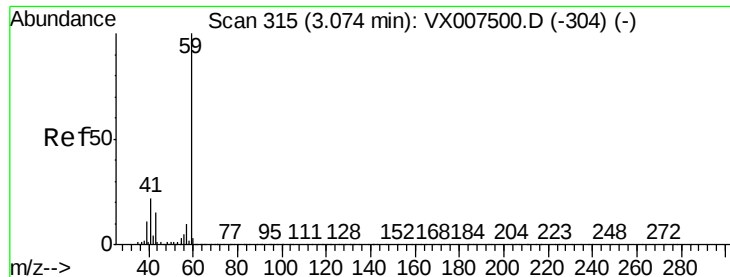
Tgt Ion: 76 Resp: 5021
Ion Ratio Lower Upper
76 100
78 17.3 7.5 11.3#



#18
Methylene Chloride
Concen: 0.301 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007505.D
Acq: 13 Feb 2019 01:42

Tgt Ion: 84 Resp: 1457
Ion Ratio Lower Upper
84 100
49 62.4 96.1 144.1#
51 15.1 29.1 43.7#
86 98.8 47.3 70.9#





#23

tert-Butyl Alcohol

Concen: 0.339 ug/l

RT: 3.08 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX007505.D

Acq: 13 Feb 2019 01:42

Instrument :

MSVOA_X

ClientSampled :

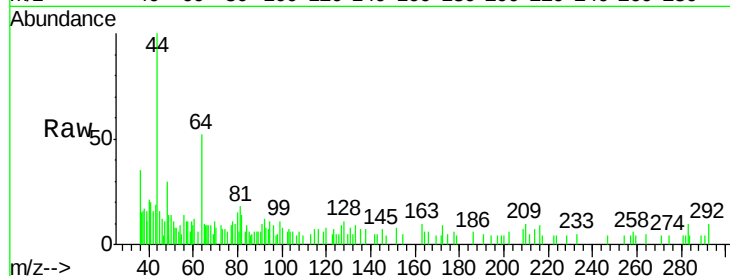
VX0213WBL01

Tgt Ion: 59 Resp: 390

Ion Ratio Lower Upper

59 100

52 19.2 0.2 0.2#



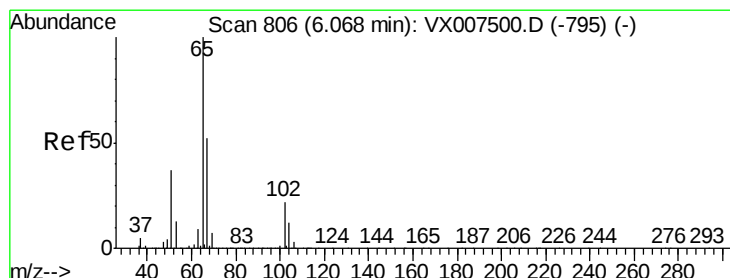
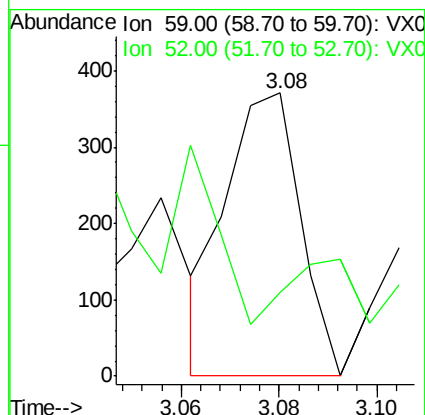
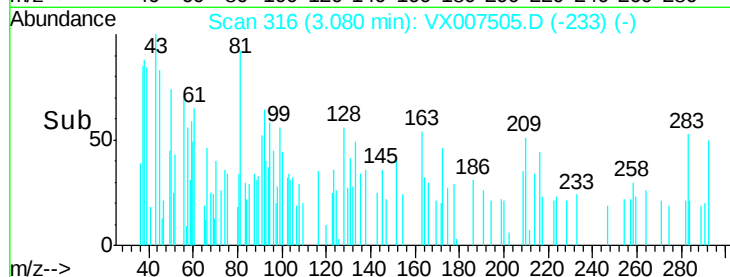
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

3.08

3.06

3.10



#27

1,2-Dichloroethane-d4

Concen: 30.636 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007505.D

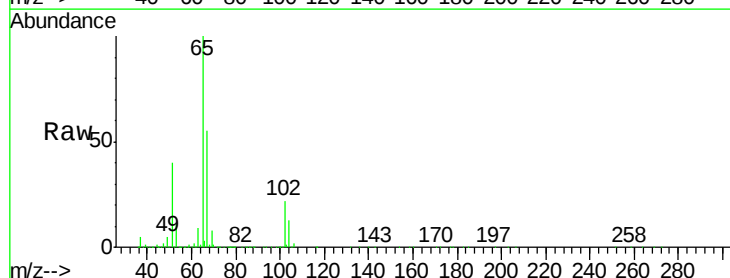
Acq: 13 Feb 2019 01:42

Tgt Ion: 65 Resp: 155167

Ion Ratio Lower Upper

65 100

67 53.9 42.9 64.3



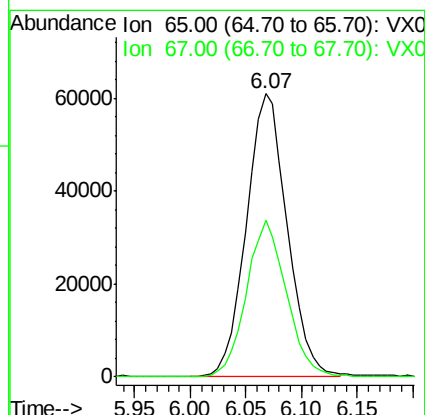
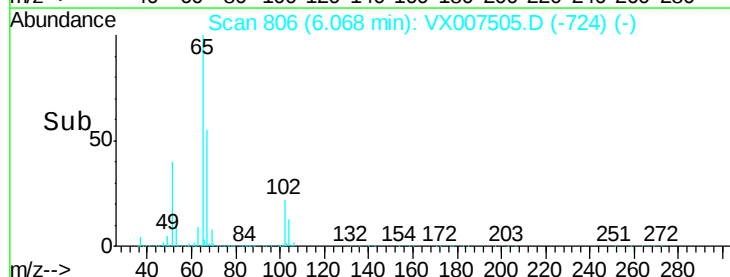
Abundance Ion 65.00 (64.70 to 65.70): VX0

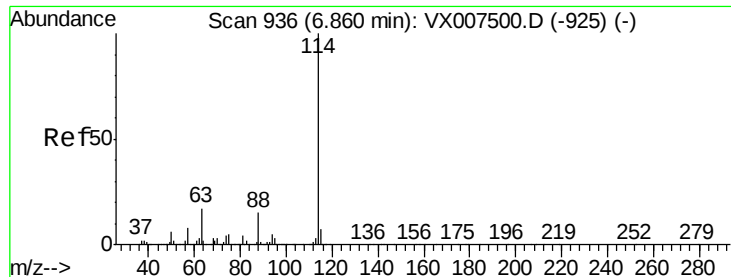
Ion 67.00 (66.70 to 67.70): VX0

6.07

5.95

6.15

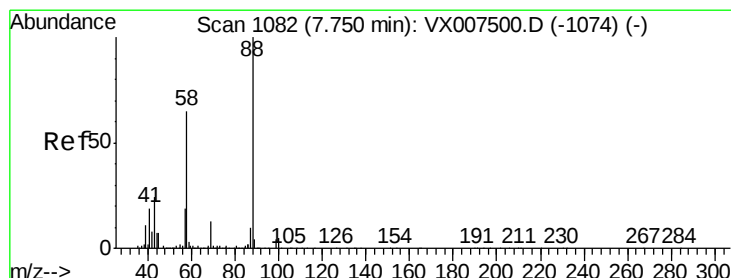
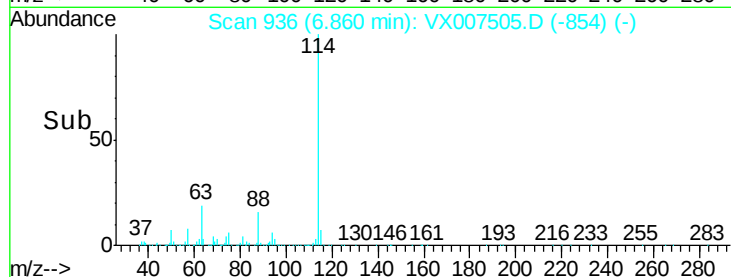
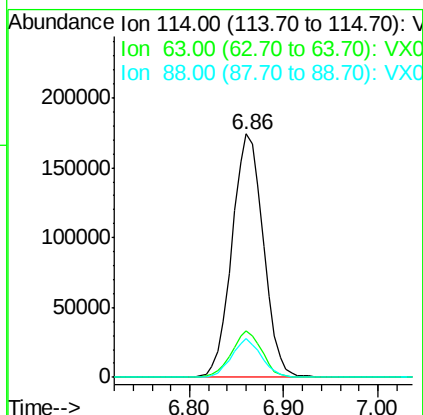
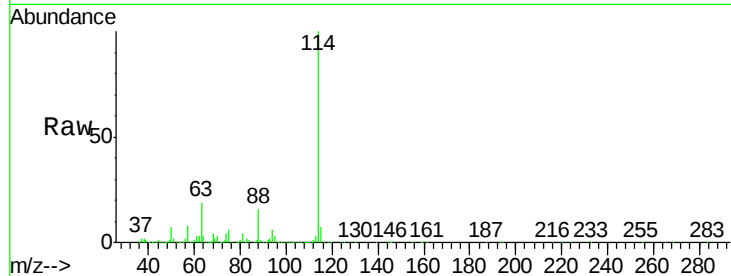




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007505.D
 Acq: 13 Feb 2019 01:42

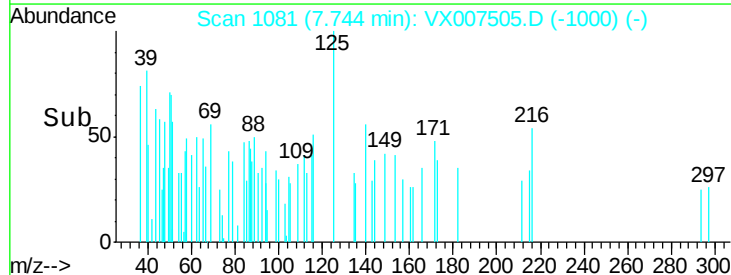
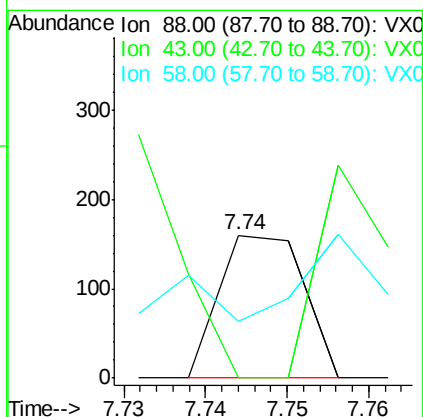
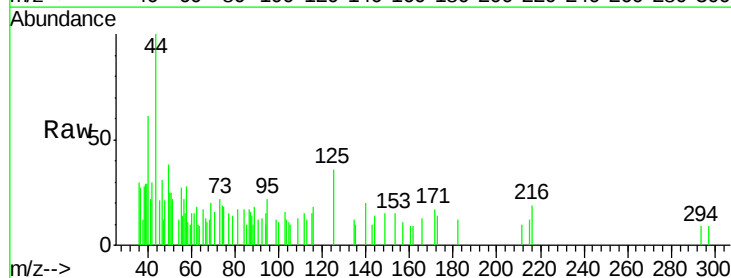
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0213WBL01

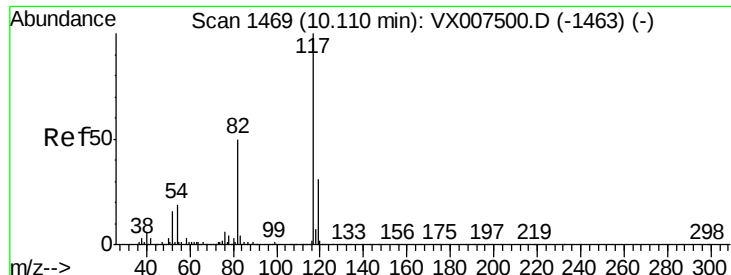
Tgt Ion: 114 Resp: 405694
 Ion Ratio Lower Upper
 114 100
 63 18.4 14.2 21.4
 88 14.9 11.9 17.9



#45
 1,4-Dioxane
 Concen: 0.984 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: VX007505.D
 Acq: 13 Feb 2019 01:42

Tgt Ion: 88 Resp: 115
 Ion Ratio Lower Upper
 88 100
 43 240.0 23.6 35.4#
 58 101.7 51.6 77.4#

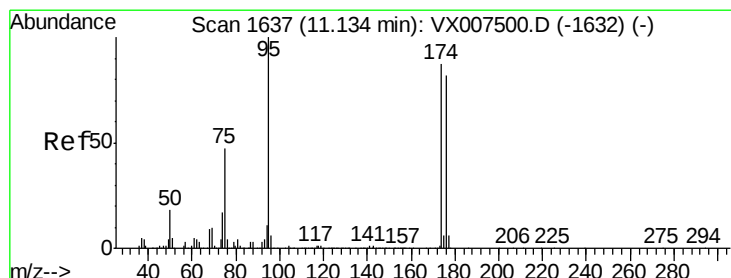
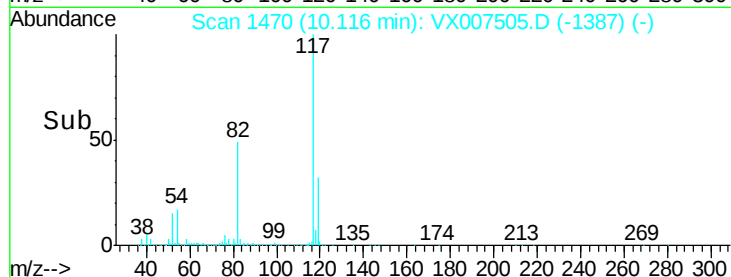
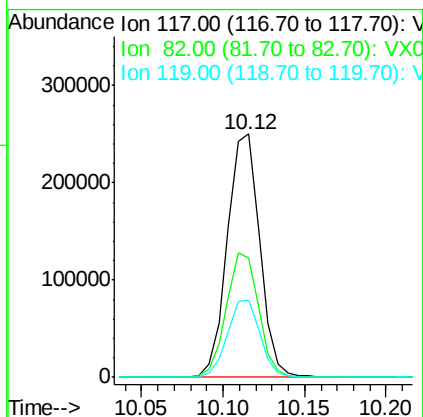
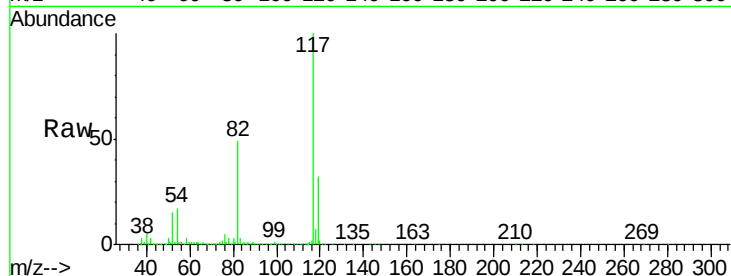




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007505.D
Acq: 13 Feb 2019 01:42

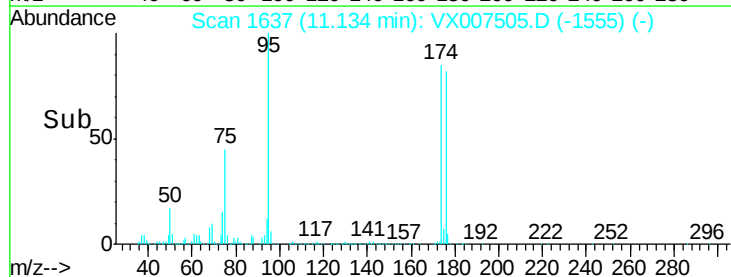
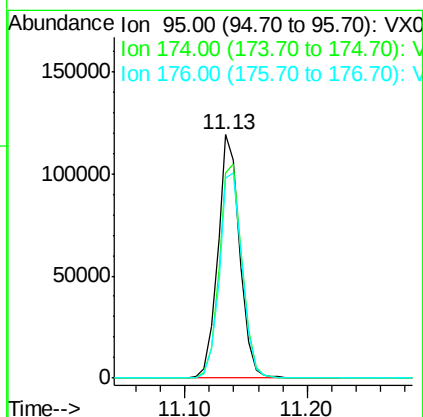
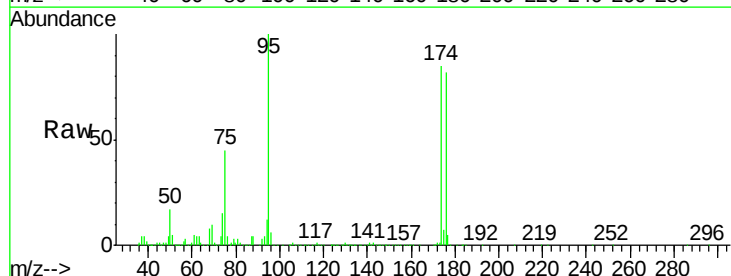
Instrument :
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ClientSampleId :
VX0213WBL01

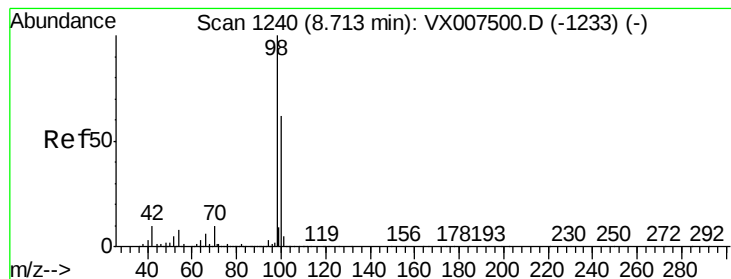
Tgt Ion: 117 Resp: 345588
Ion Ratio Lower Upper
117 100
82 51.2 40.4 60.6
119 32.0 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.002 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007505.D
Acq: 13 Feb 2019 01:42

Tgt Ion: 95 Resp: 148527
Ion Ratio Lower Upper
95 100
174 91.3 74.9 112.3
176 87.4 70.7 106.1





#63

Toluene-d8

Concen: 29.622 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007505.D

Acq: 13 Feb 2019 01:42

Instrument :

MSVOA_X

ClientSampleId :

VX0213WBL01

Tgt Ion: 98 Resp: 462685

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3

