

Data File : VX001707.D
Acq On : 14 May 2018 12:08
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 16 02:35:36 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	59304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	305160	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	275965	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	126692	29.28	ug/l	-0.01
Spiked Amount 30.000	Range 50 - 169		Recovery	=	97.60%	
60) 4-Bromofluorobenzene	11.14	95	116137	26.59	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	88.63%	
63) Toluene-d8	8.72	98	357743	29.07	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	96.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.29	56	201	0.38	ug/l #	71
14) Acrylonitrile	3.16	53	511	0.27	ug/l #	55
15) Acetone	2.44	58	249	0.50	ug/l #	8
51) Ethyl methacrylate	8.73	69	1143	0.24	ug/l	92
56) Bromoform	11.15	173	1473	0.53	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	55403	47.28	ug/l #	4

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBL01

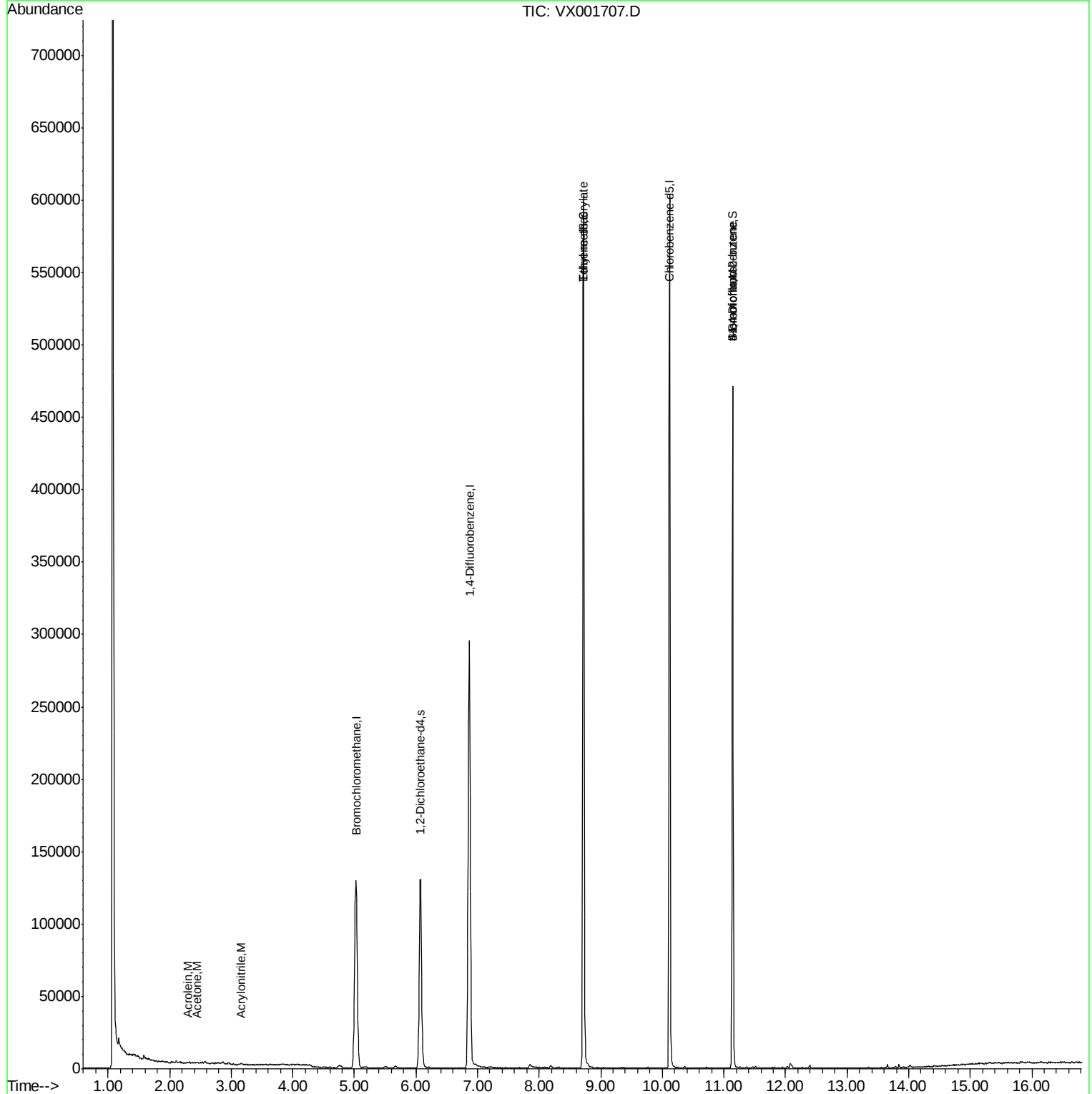
Quant Time: May 16 02:35:36 2018

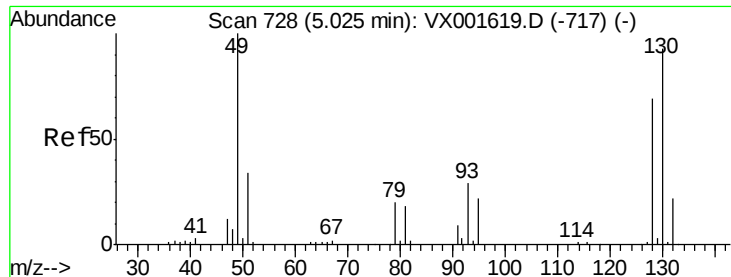
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X051118W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri May 11 07:16:13 2018

Response via : Initial Calibration

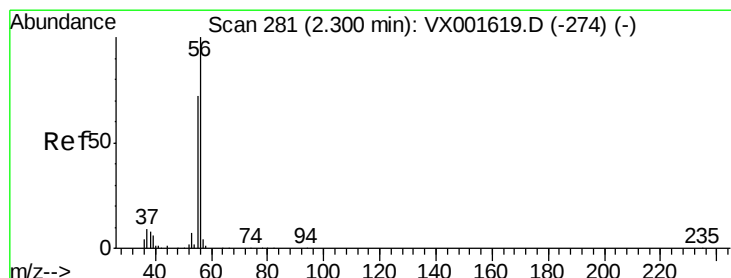
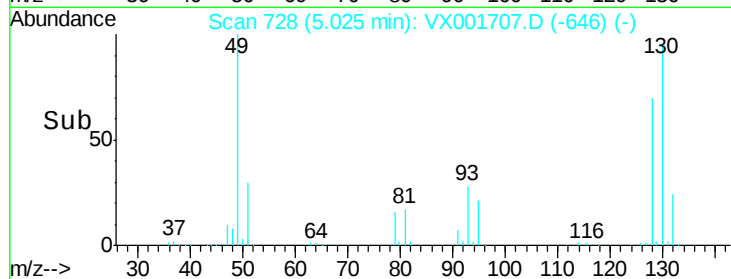
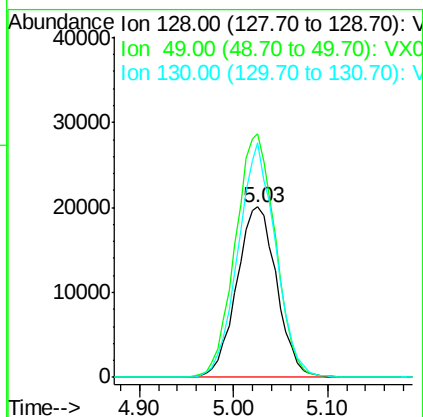
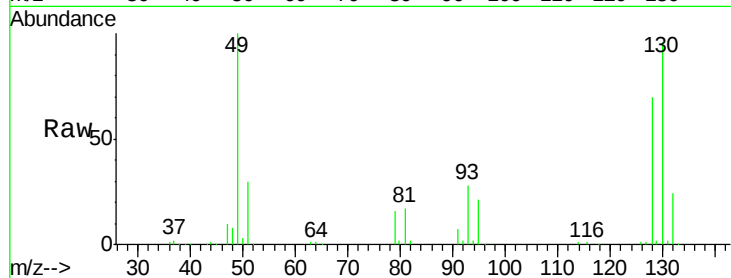




#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VX001707.D
 Acq: 14 May 2018 12:08

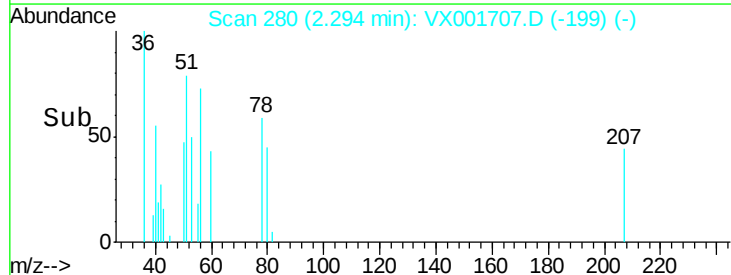
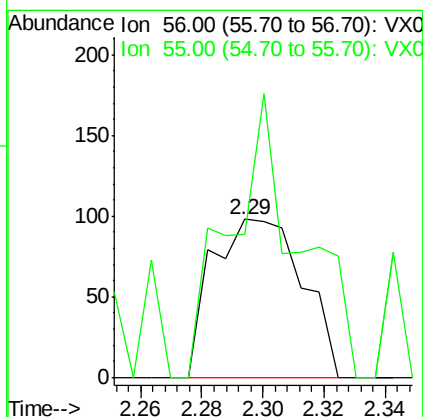
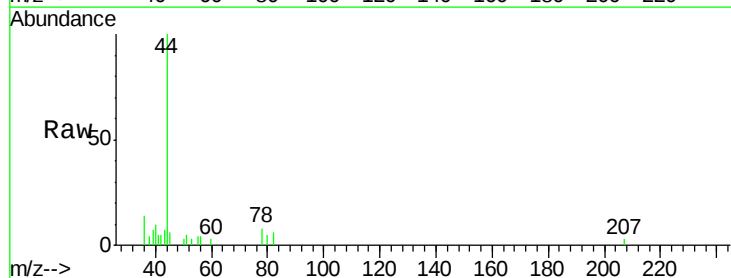
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBL01

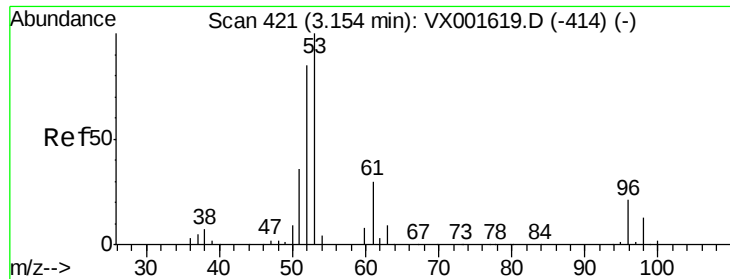
Tgt Ion:128 Resp: 59304
 Ion Ratio Lower Upper
 128 100
 49 143.2 0.0 372.0
 130 129.3 0.0 326.5



#13
 Acrolein
 Concen: 0.38 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001707.D
 Acq: 14 May 2018 12:08

Tgt Ion: 56 Resp: 201
 Ion Ratio Lower Upper
 56 100
 55 47.3 56.9 85.3#





#14

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001707.D

Acq: 14 May 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBL01

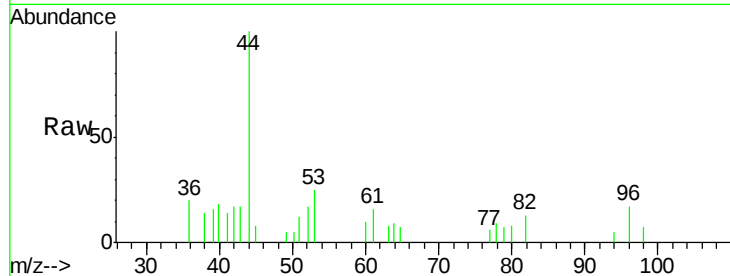
Tgt Ion: 53 Resp: 511

Ion Ratio Lower Upper

53 100

52 24.3 41.3 123.9#

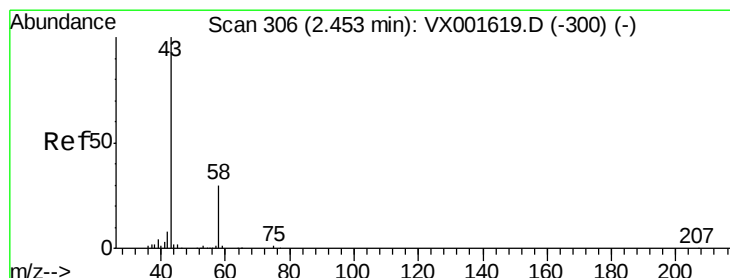
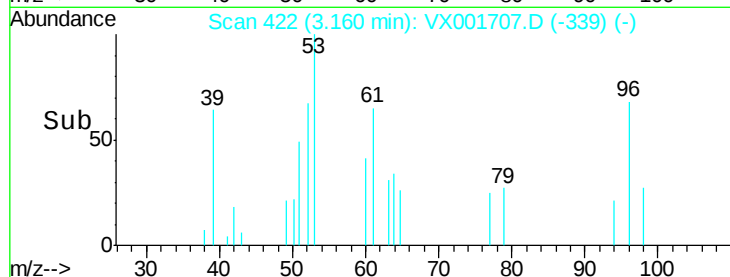
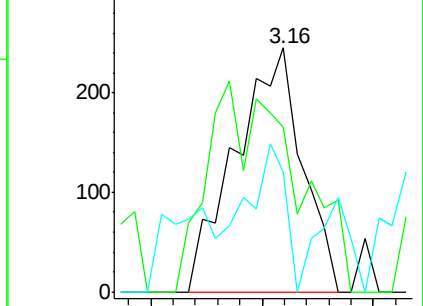
51 36.8 18.1 54.3



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#15

Acetone

Concen: 0.50 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX001707.D

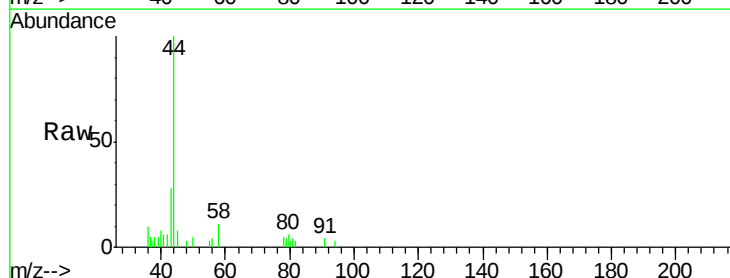
Acq: 14 May 2018 12:08

Tgt Ion: 58 Resp: 249

Ion Ratio Lower Upper

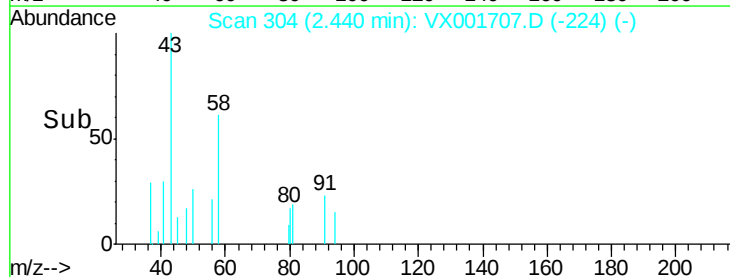
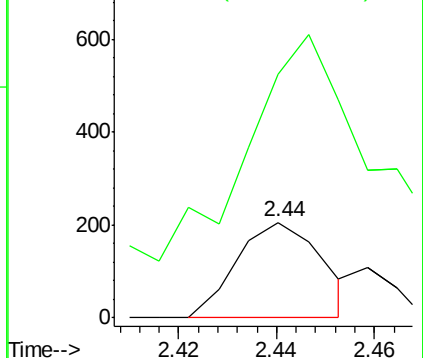
58 100

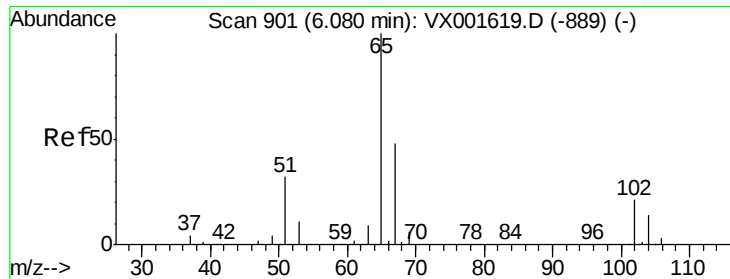
43 138.3 264.2 396.2#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

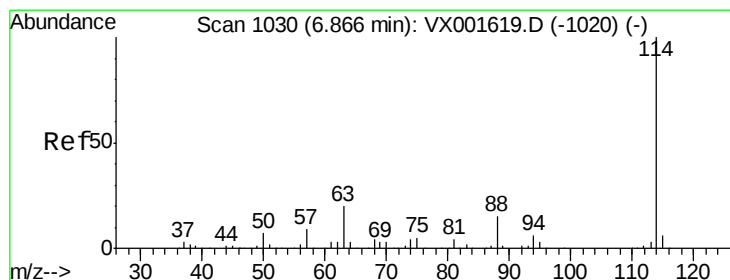
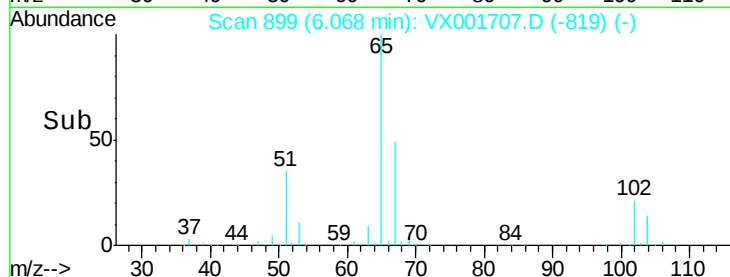
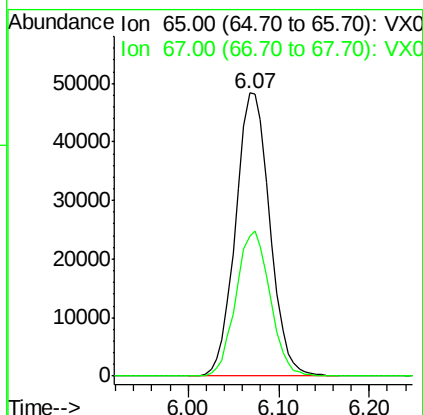
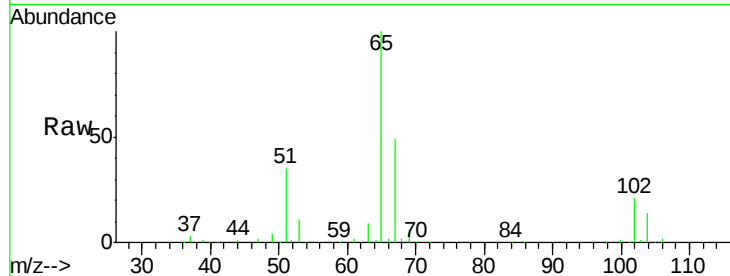




#27
 1,2-Dichloroethane-d4
 Concen: 29.28 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX001707.D
 Acq: 14 May 2018 12:08

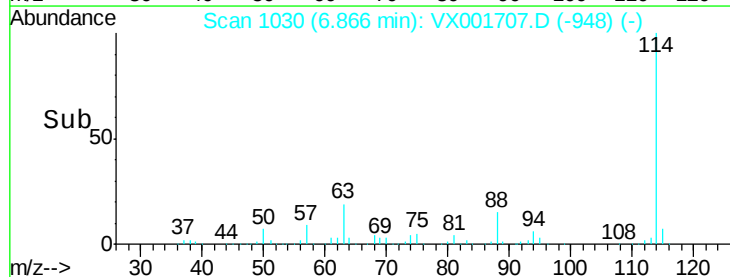
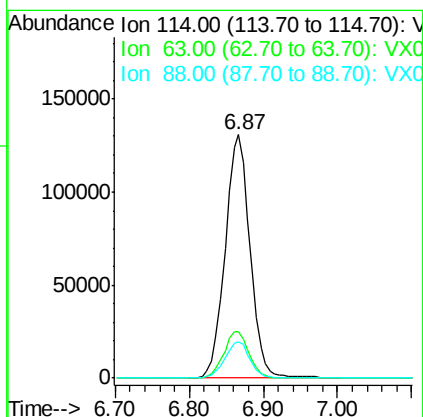
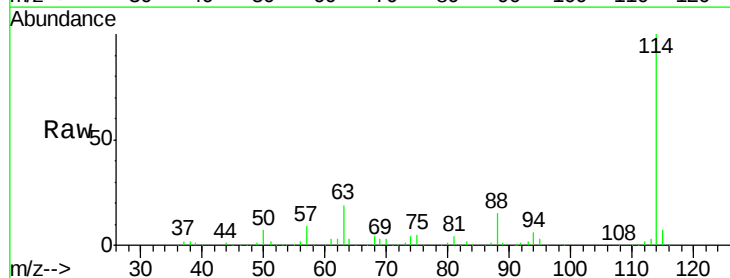
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBL01

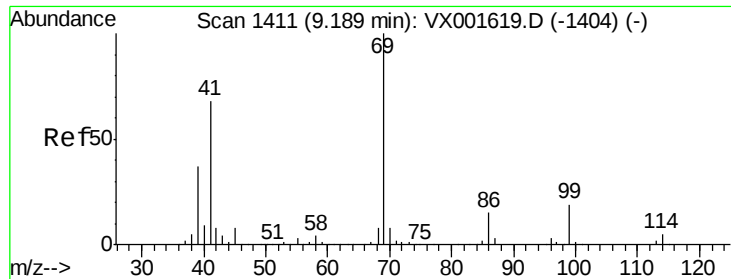
Tgt Ion: 65 Resp: 126692
 Ion Ratio Lower Upper
 65 100
 67 51.1 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001707.D
 Acq: 14 May 2018 12:08

Tgt Ion: 114 Resp: 305160
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.5 23.3
 88 15.0 12.2 18.4





#51

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.46 min

Lab File: VX001707.D

Acq: 14 May 2018 12:08

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBL01

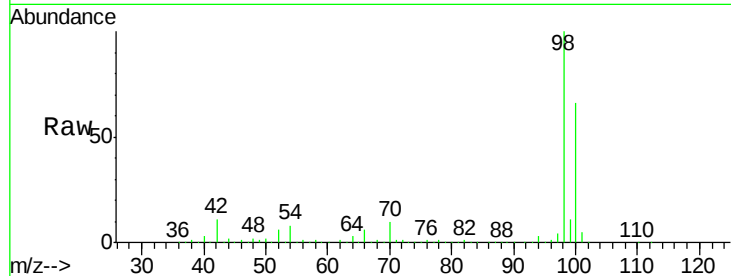
Tgt Ion: 69 Resp: 1143

Ion Ratio Lower Upper

69 100

41 64.1 33.9 101.6

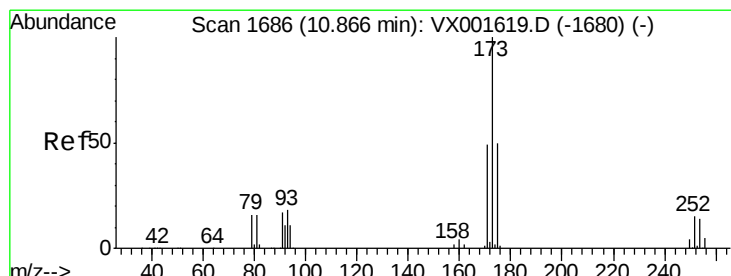
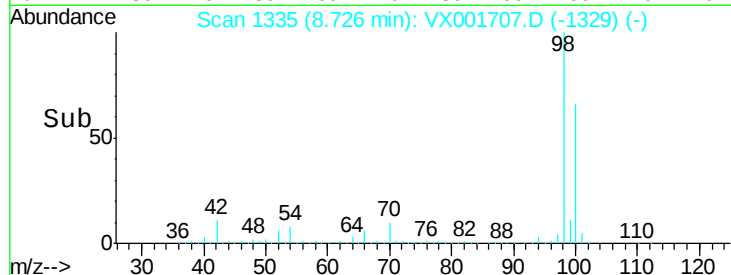
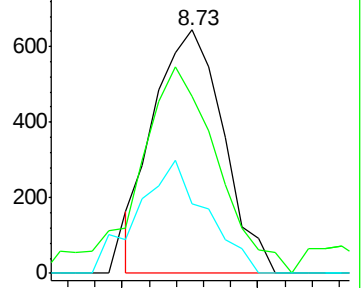
39 28.7 18.4 55.2



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



#56

Bromoform

Concen: 0.53 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.28 min

Lab File: VX001707.D

Acq: 14 May 2018 12:08

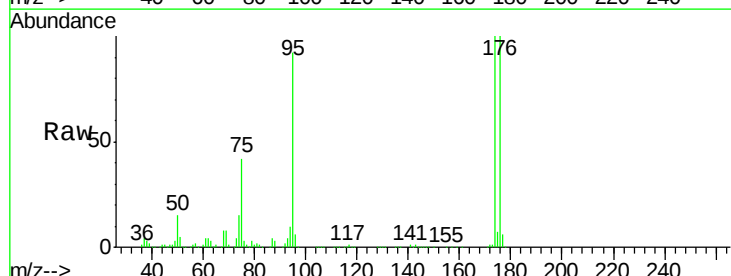
Tgt Ion: 173 Resp: 1473

Ion Ratio Lower Upper

173 100

175 597.8 39.8 59.8#

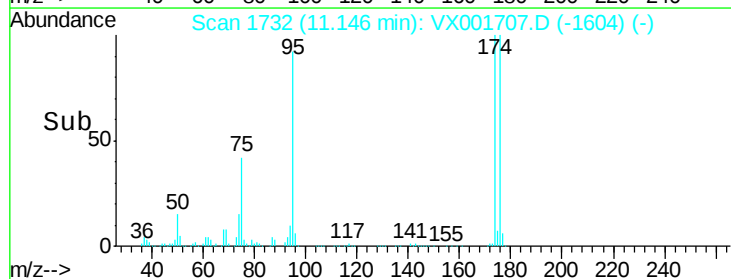
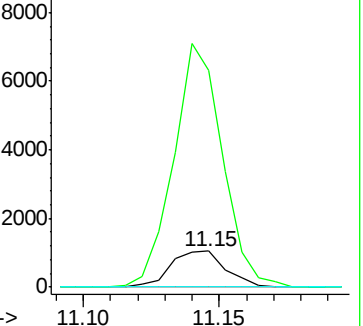
254 0.0 10.7 16.1#

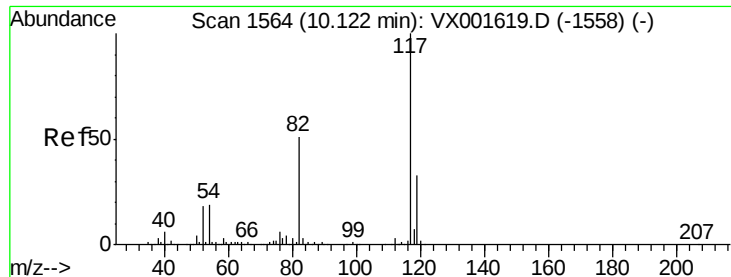


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

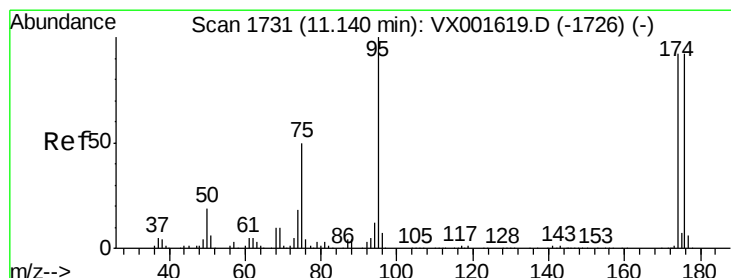
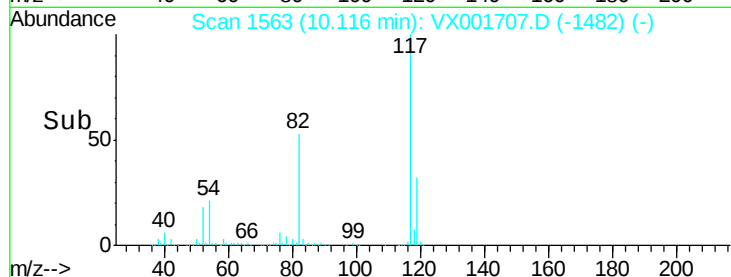
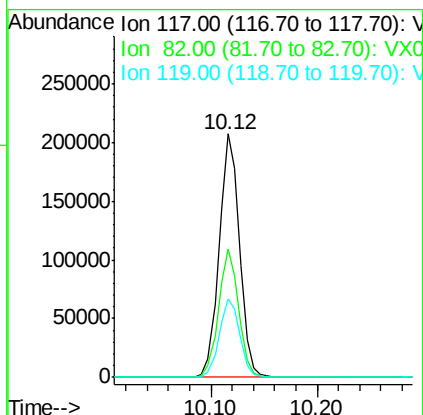
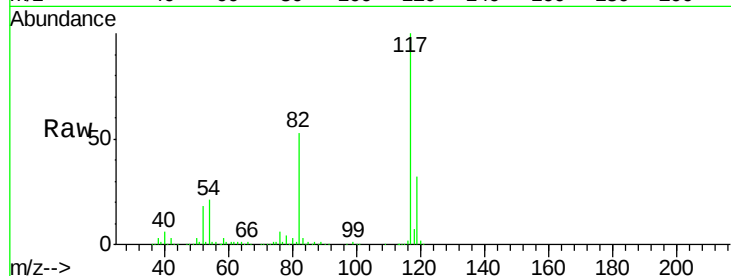




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001707.D
Acq: 14 May 2018 12:08

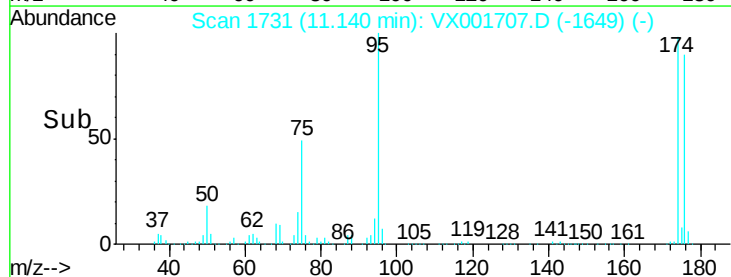
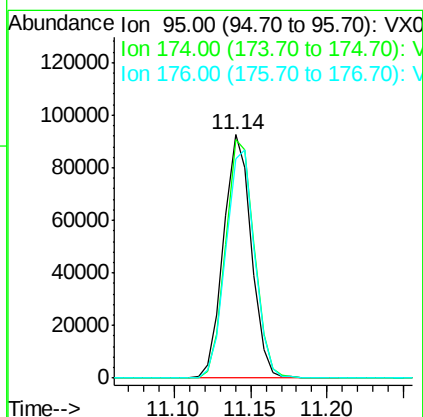
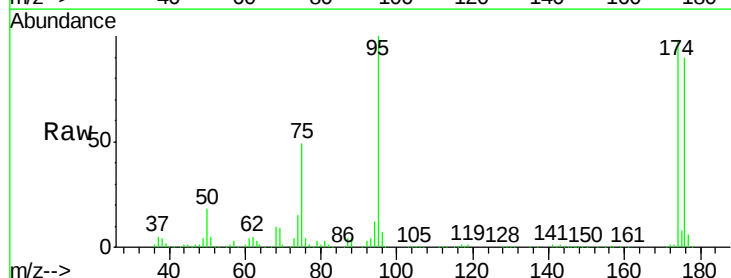
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

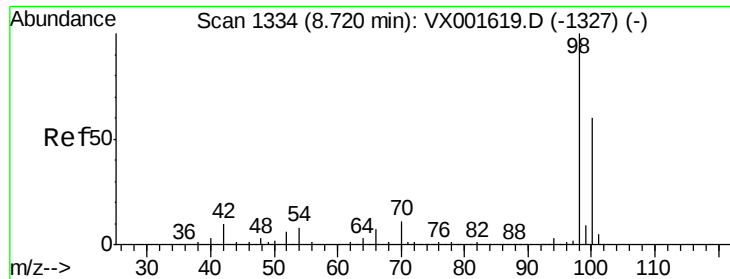
Tgt Ion: 117 Resp: 275965
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.2
119 32.5 26.3 39.5



#60
4-Bromofluorobenzene
Concen: 26.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001707.D
Acq: 14 May 2018 12:08

Tgt Ion: 95 Resp: 116137
Ion Ratio Lower Upper
95 100
174 101.5 80.2 120.2
176 97.4 79.2 118.8





#63

Toluene-d8

Concen: 29.07 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001707.D

Acq: 14 May 2018 12:08

Instrument :

MSVOA_X

ClientSampled :

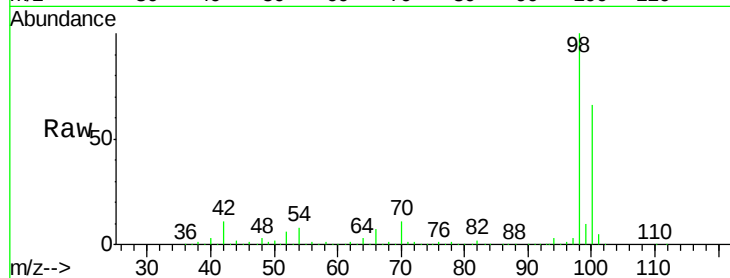
VX0514WBL01

Tgt Ion: 98 Resp: 357743

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

250000

200000

150000

100000

50000

0

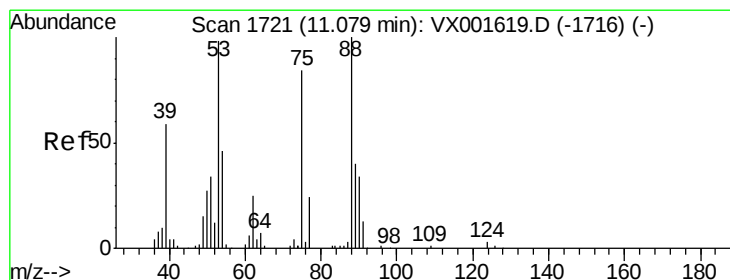
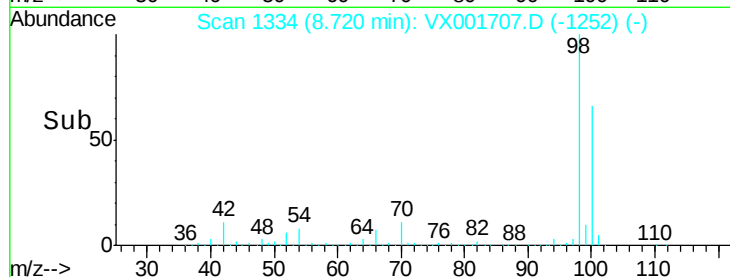
8.60

8.70

8.80

8.90

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 47.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001707.D

Acq: 14 May 2018 12:08

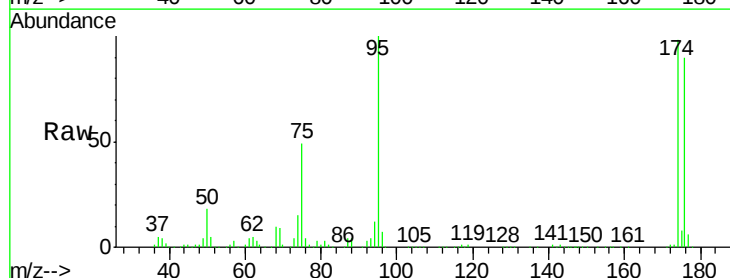
Tgt Ion: 75 Resp: 55403

Ion Ratio Lower Upper

75 100

53 0.2 58.3 174.8#

89 0.0 23.9 71.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

60000

50000

40000

30000

20000

10000

0

11.10

11.15

11.20

Time-->

