

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001624.D
 Acq On : 11 May 2018 02:09
 Operator : JC/MD
 Sample : VX0510WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBL01

Quant Time: May 11 07:22:17 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	54020	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	281756	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	245248	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121441	30.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.70%
60) 4-Bromofluorobenzene	11.14	95	101384	26.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.07%
63) Toluene-d8	8.72	98	323585	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

Target Compounds

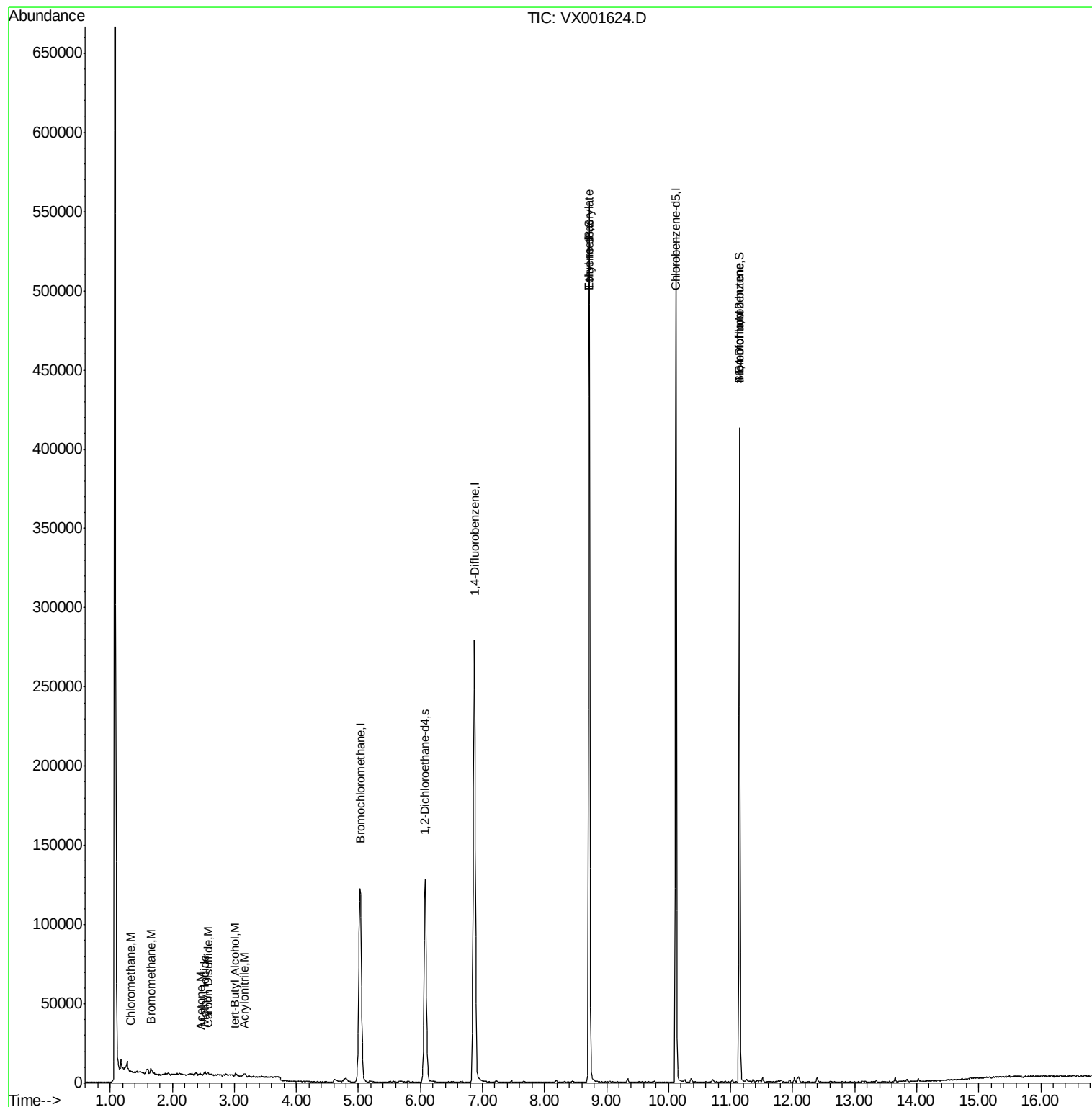
					Qvalue
3) Chloromethane	1.32	50	762	0.26 ug/l	96
5) Bromomethane	1.65	94	1968	1.31 ug/l #	74
11) Methyl Iodide	2.53	142	1952	0.54 ug/l	94
14) Acrylonitrile	3.15	53	627	0.37 ug/l	87
15) Acetone	2.46	58	208	0.46 ug/l #	34
16) Carbon Disulfide	2.57	76	2114	0.34 ug/l #	86
23) tert-Butyl Alcohol	3.02	59	582	0.77 ug/l #	79
51) Ethyl methacrylate	8.73	69	1042	0.24 ug/l	76
56) Bromoform	11.14	173	1110	0.43 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	50569	48.56 ug/l #	4

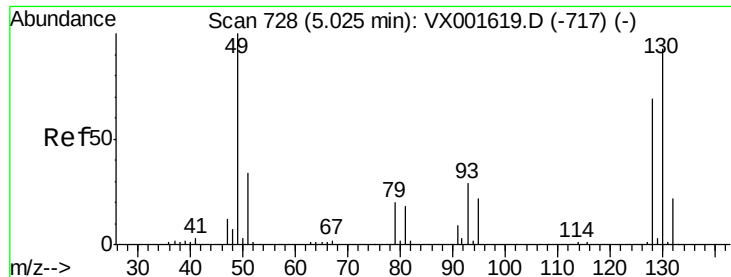
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
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Instrument :
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ClientSampleId :
VX0510WBL01

Quant Time: May 11 07:22:17 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: VX001624.D

Acq: 11 May 2018 02:09

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL01

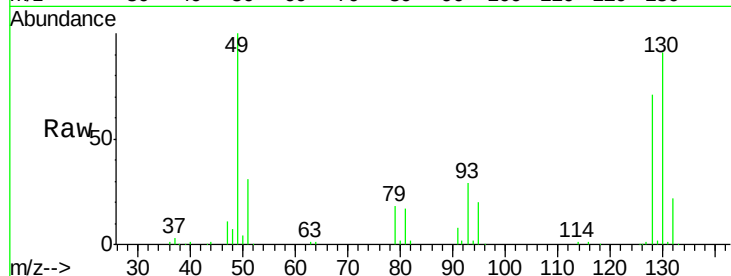
Tgt Ion:128 Resp: 54020

Ion Ratio Lower Upper

128 100

49 146.9 0.0 372.0

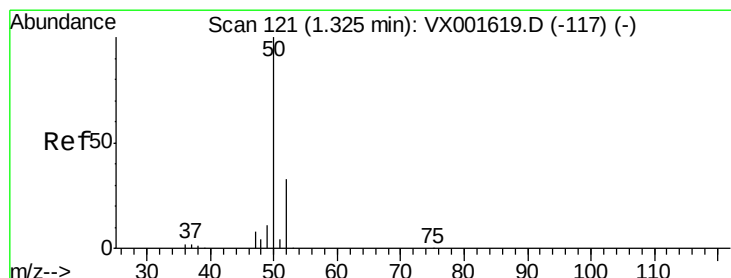
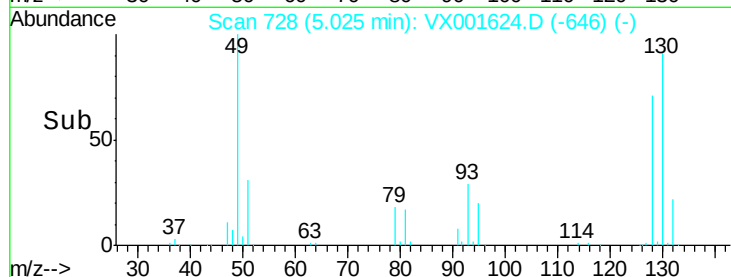
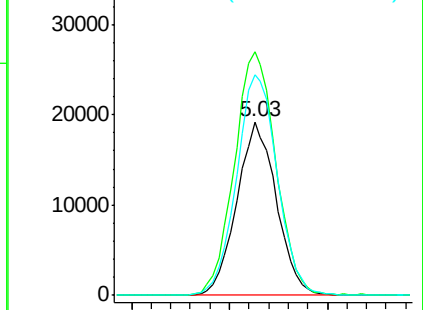
130 130.8 0.0 326.5



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



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001624.D

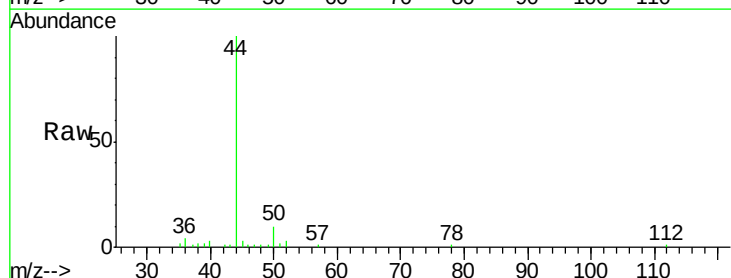
Acq: 11 May 2018 02:09

Tgt Ion: 50 Resp: 762

Ion Ratio Lower Upper

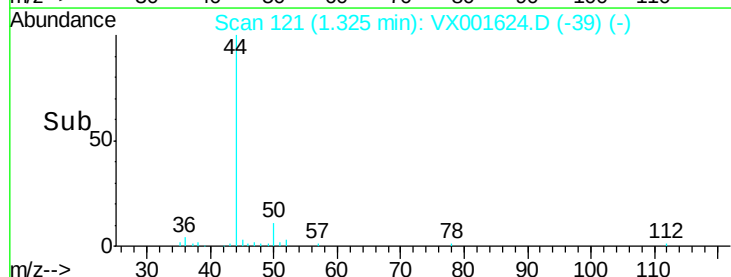
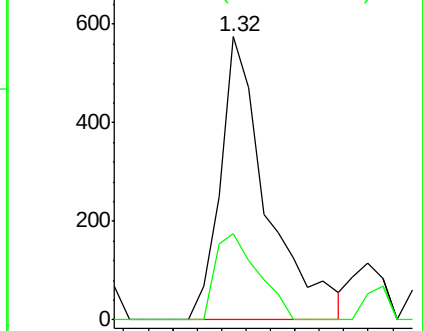
50 100

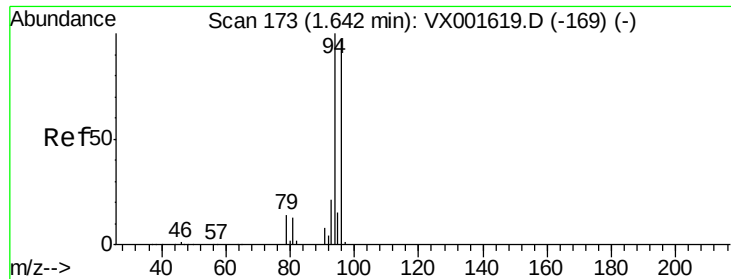
52 30.5 26.4 39.6



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 1.31 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001624.D

Acq: 11 May 2018 02:09

Instrument :

MSVOA_X

ClientSampleId :

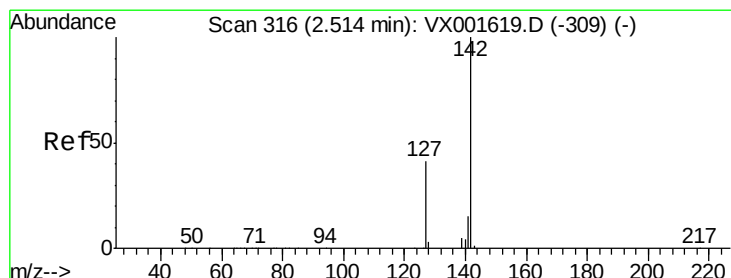
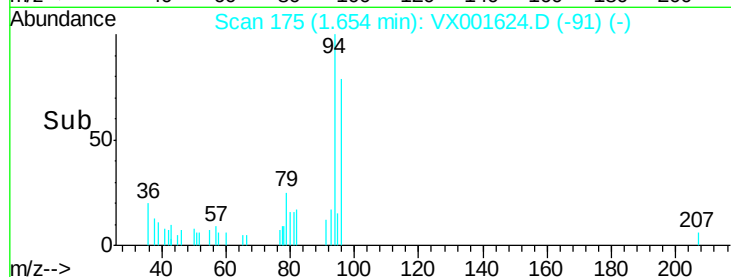
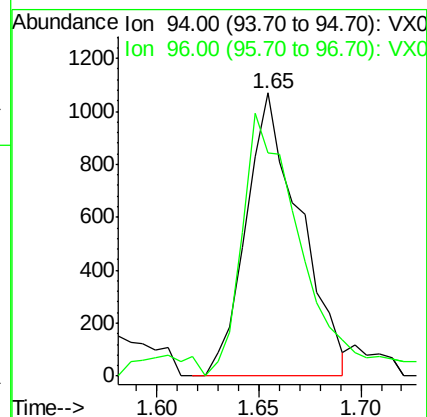
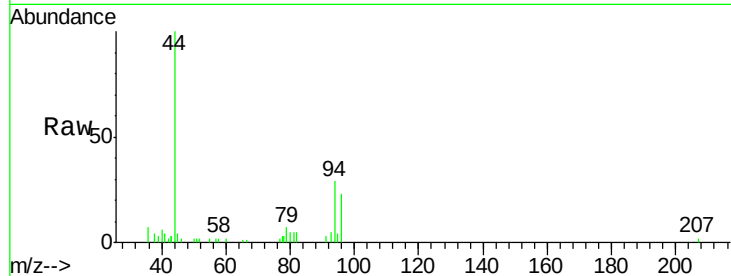
VX0510WBL01

Tgt Ion: 94 Resp: 1968

Ion Ratio Lower Upper

94 100

96 71.7 77.8 116.8#



#11

Methyl Iodide

Concen: 0.54 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001624.D

Acq: 11 May 2018 02:09

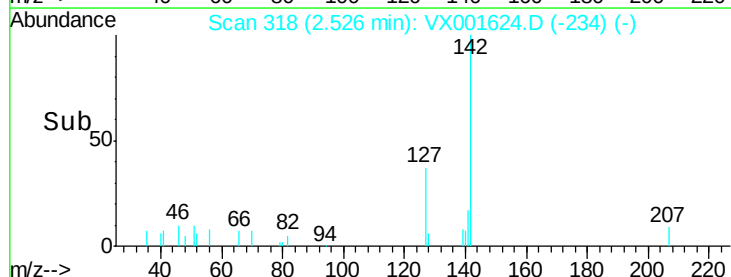
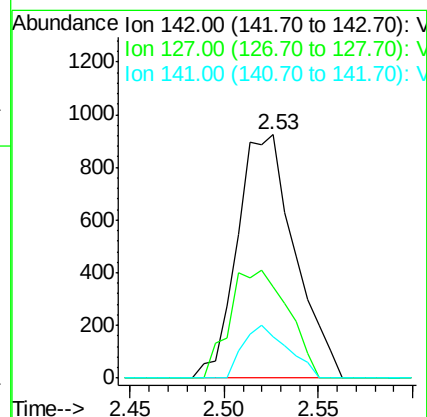
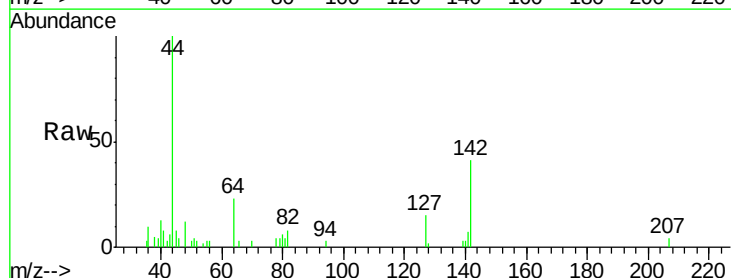
Tgt Ion: 142 Resp: 1952

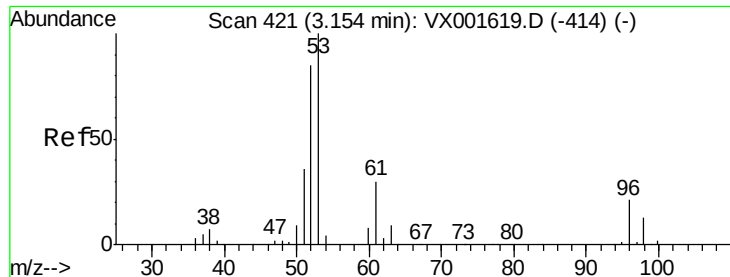
Ion Ratio Lower Upper

142 100

127 37.4 20.7 62.1

141 16.9 7.4 22.3





#14

Acrylonitrile

Concen: 0.37 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001624.D

Acq: 11 May 2018 02:09

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBL01

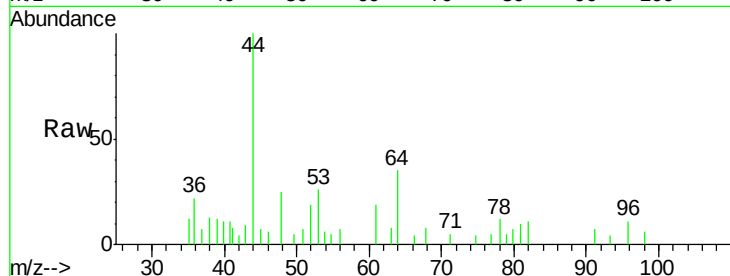
Tgt Ion: 53 Resp: 627

Ion Ratio Lower Upper

53 100

52 94.1 41.3 123.9

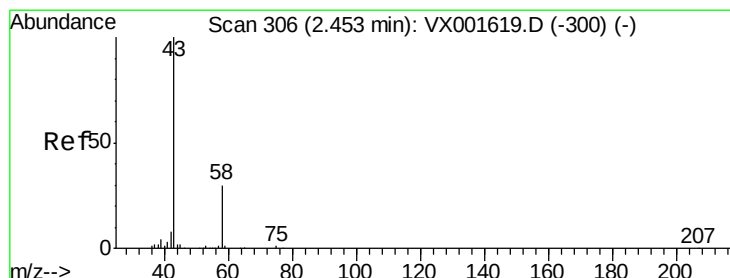
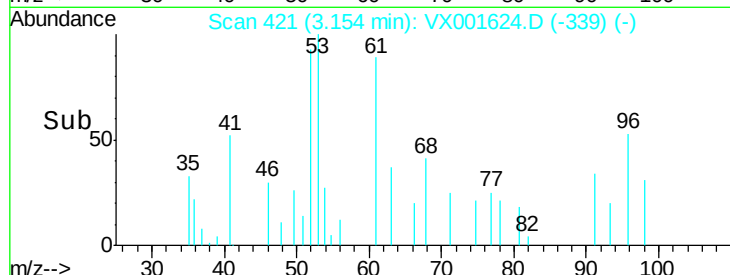
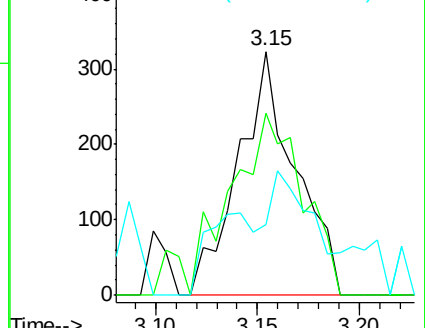
51 29.2 18.1 54.3



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: 0.46 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX001624.D

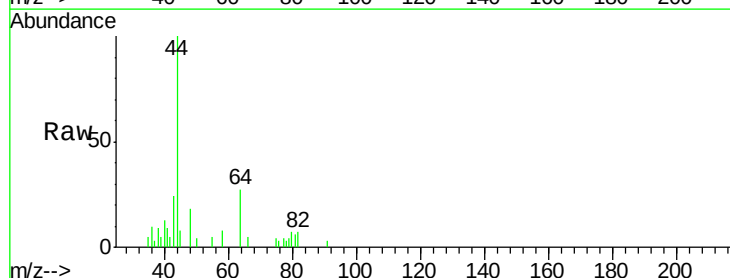
Acq: 11 May 2018 02:09

Tgt Ion: 58 Resp: 208

Ion Ratio Lower Upper

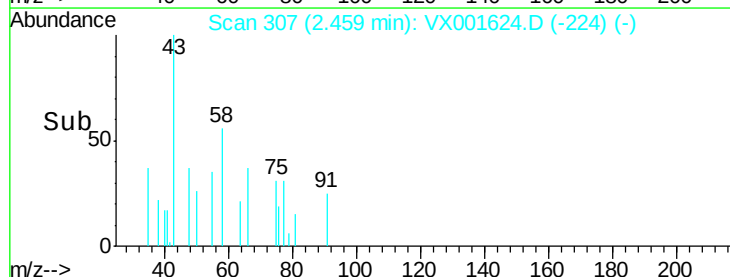
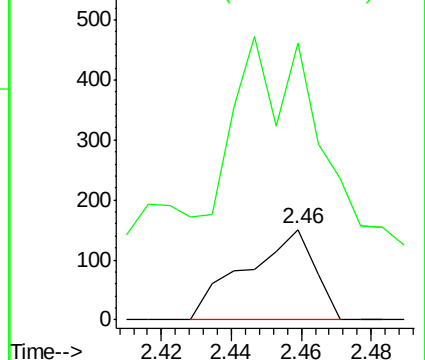
58 100

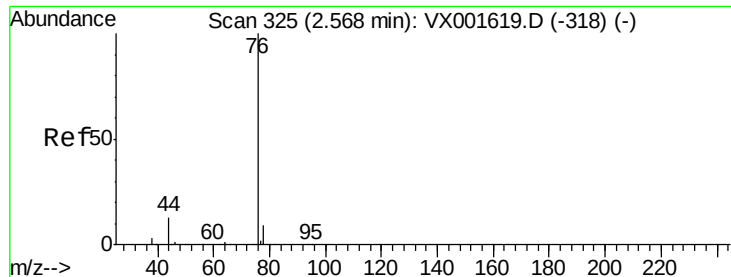
43 192.1 264.2 396.2#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

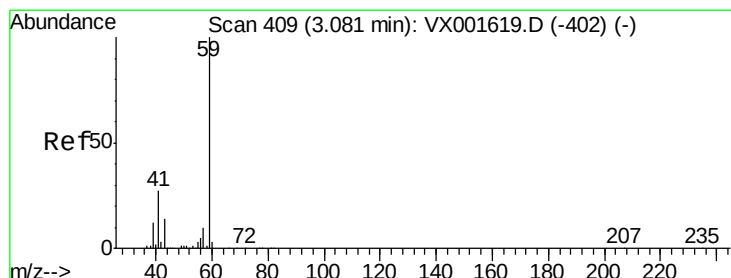
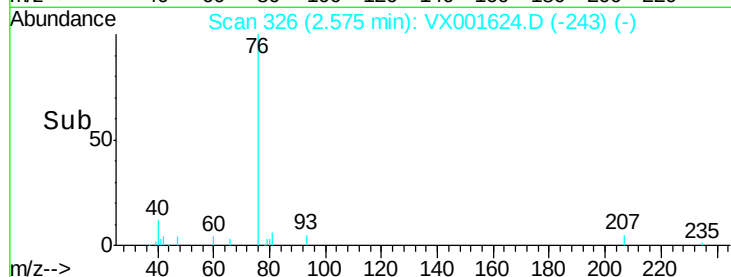
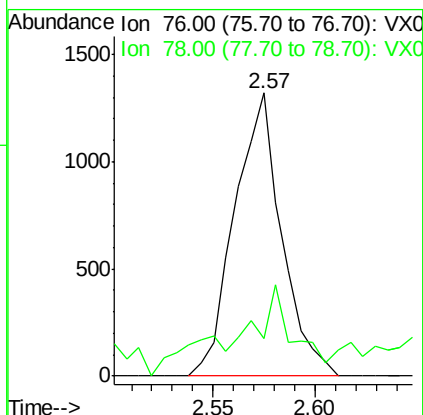
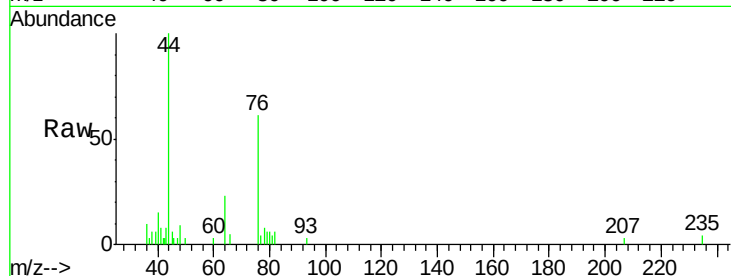




#16
Carbon Disulfide
Concen: 0.34 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

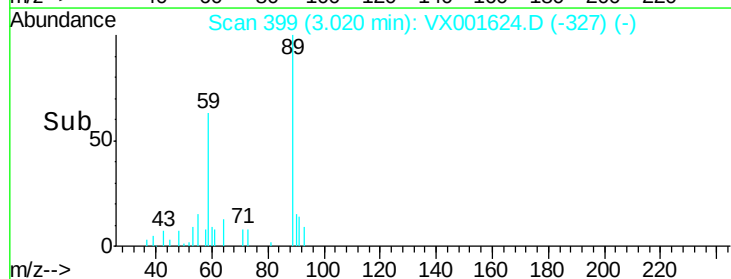
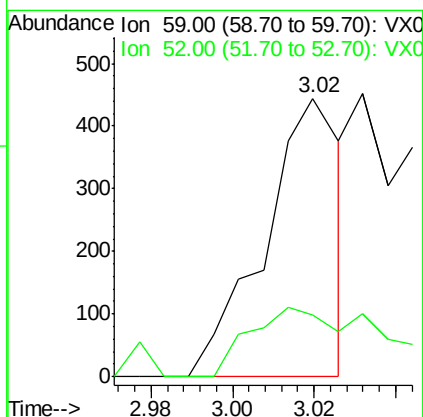
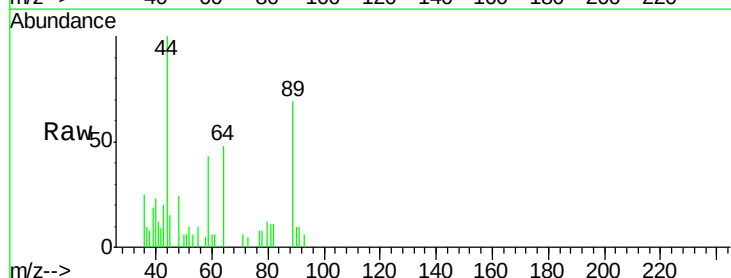
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBL01

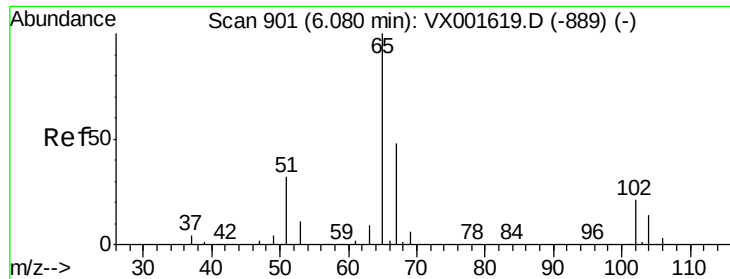
Tgt Ion: 76 Resp: 2114
Ion Ratio Lower Upper
76 100
78 4.0 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 0.77 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
52 26.8 0.2 0.2#

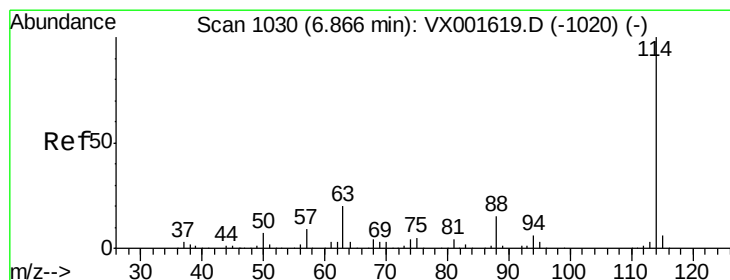
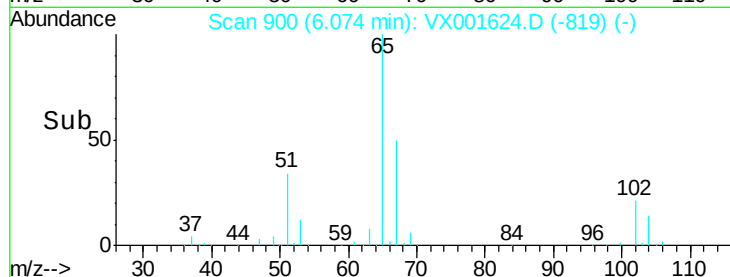
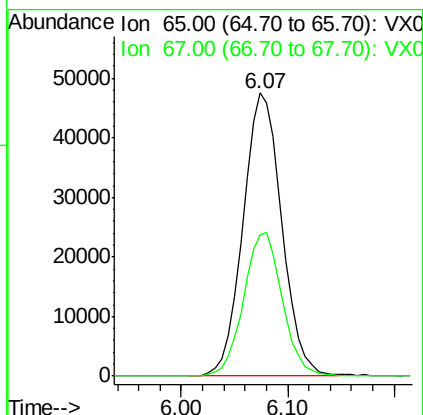
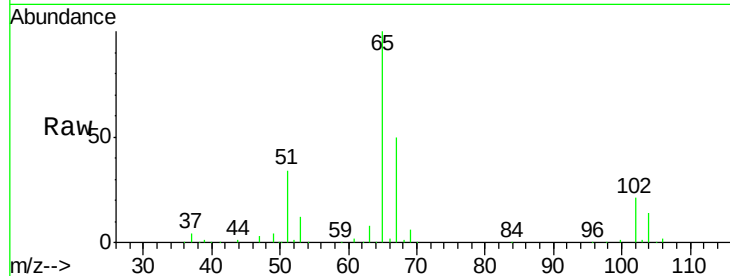




#27
 1,2-Dichloroethane-d4
 Concen: 30.81 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX001624.D
 Acq: 11 May 2018 02:09

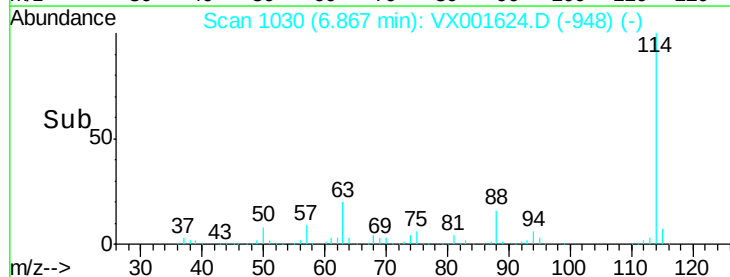
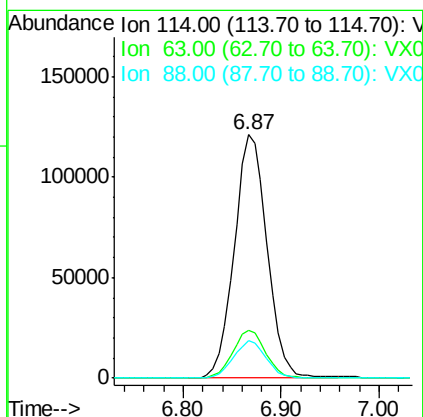
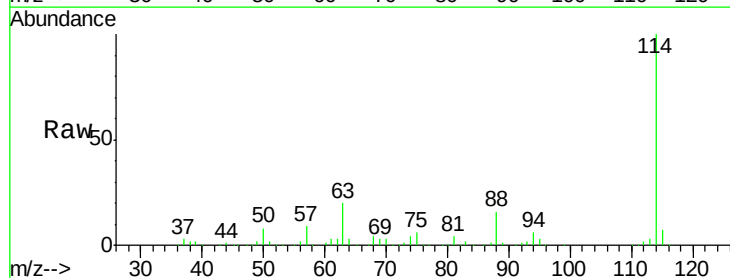
Instrument :
 MSVOA_X
 ClientSampled :
 VX0510WBL01

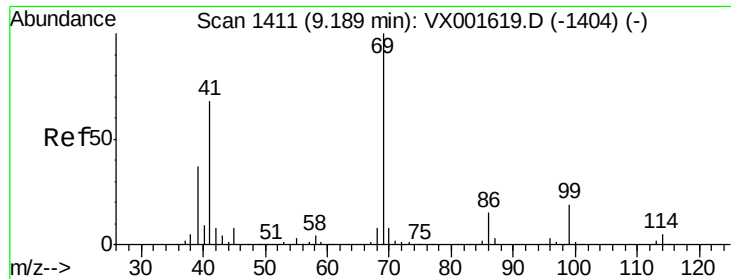
Tgt Ion: 65 Resp: 121441
 Ion Ratio Lower Upper
 65 100
 67 50.5 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001624.D
 Acq: 11 May 2018 02:09

Tgt Ion: 114 Resp: 281756
 Ion Ratio Lower Upper
 114 100
 63 19.7 15.5 23.3
 88 15.1 12.2 18.4

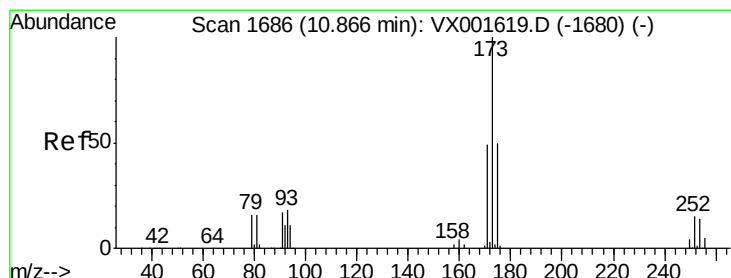
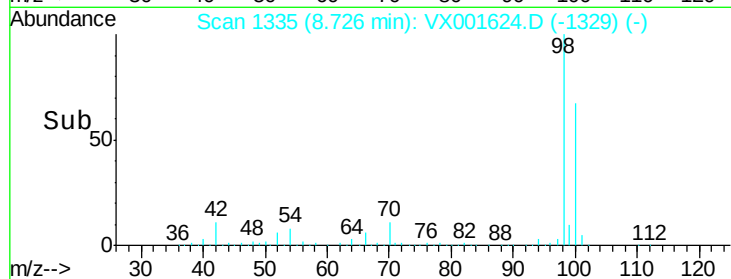
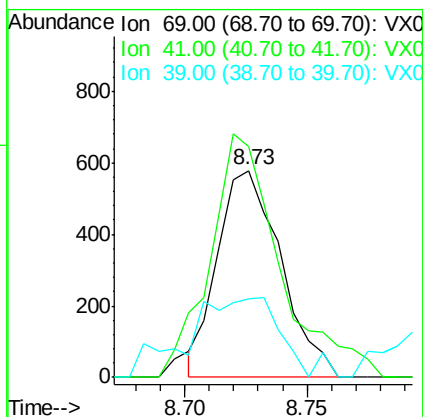
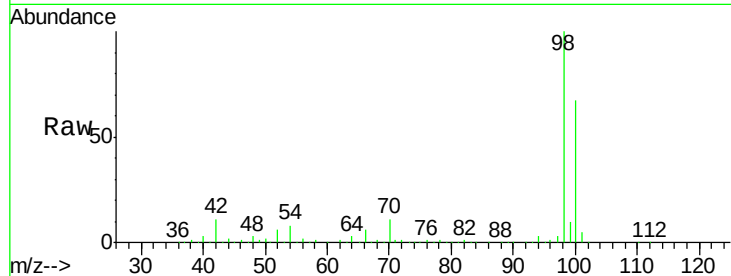




#51
Ethyl methacrylate
Concen: 0.24 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.46 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

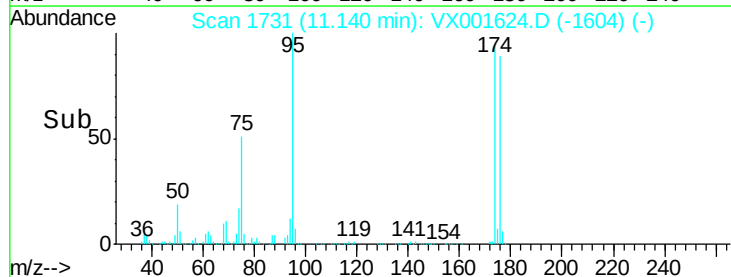
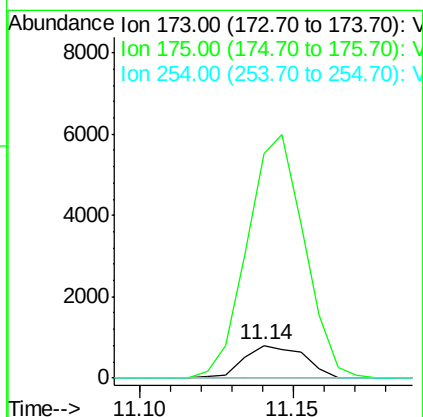
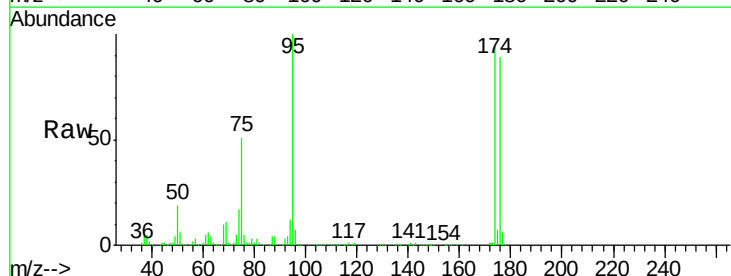
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBL01

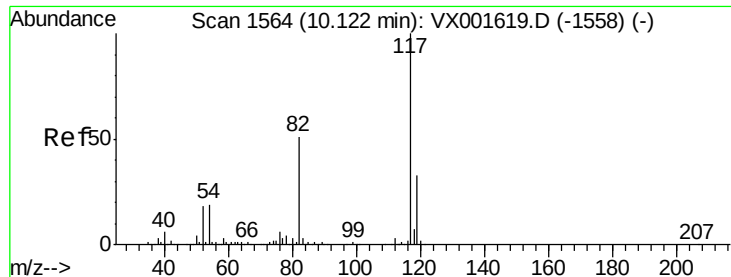
Tgt Ion: 69 Resp: 1042
Ion Ratio Lower Upper
69 100
41 96.4 33.9 101.6
39 37.7 18.4 55.2



#56
Bromoform
Concen: 0.43 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.27 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

Tgt Ion: 173 Resp: 1110
Ion Ratio Lower Upper
173 100
175 696.9 39.8 59.8#
254 0.0 10.7 16.1#

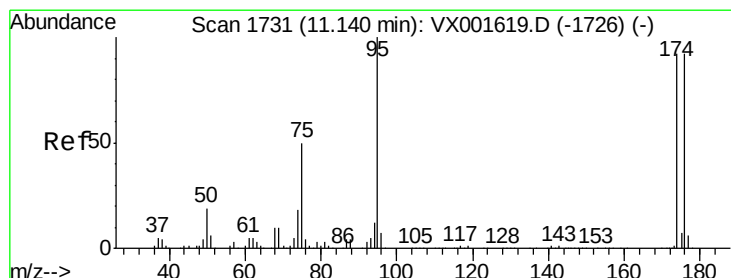
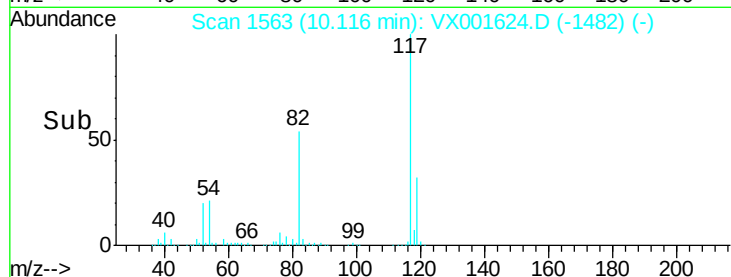
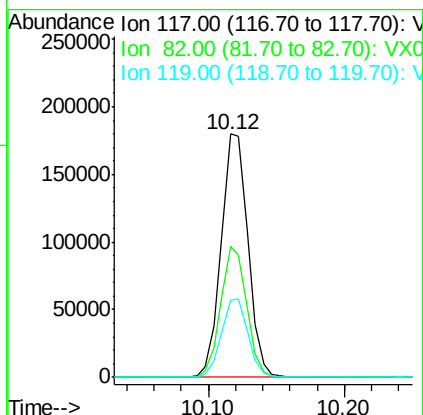
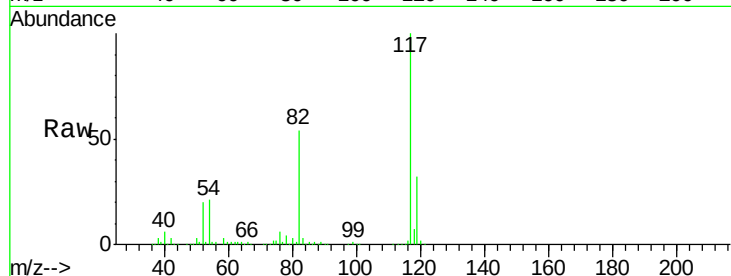




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

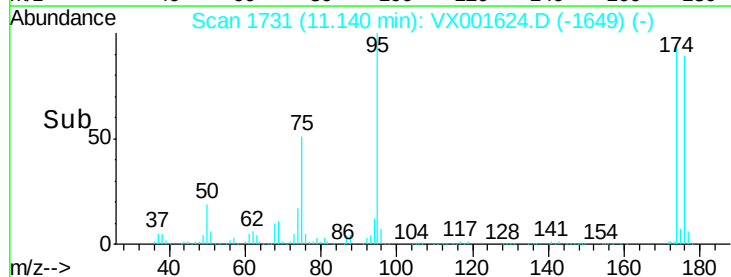
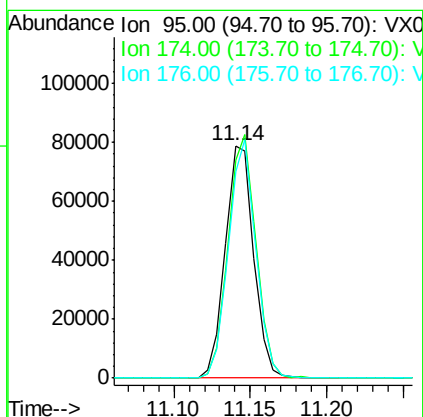
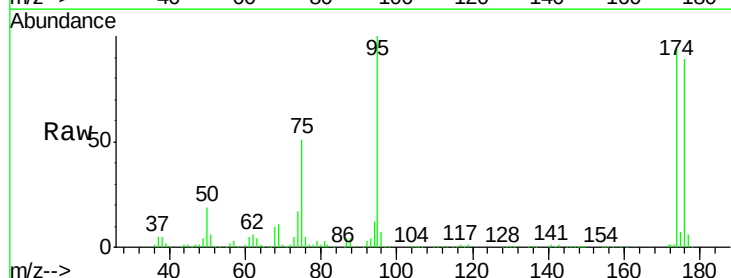
Instrument :
MSVOA_X
ClientSampleId :
VX0510WBL01

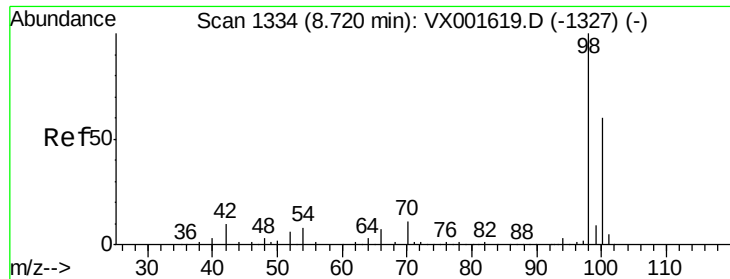
Tgt Ion: 117 Resp: 245248
Ion Ratio Lower Upper
117 100
82 52.1 42.2 63.2
119 32.2 26.3 39.5



#60
4-Bromofluorobenzene
Concen: 26.12 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

Tgt Ion: 95 Resp: 101384
Ion Ratio Lower Upper
95 100
174 102.9 80.2 120.2
176 98.7 79.2 118.8

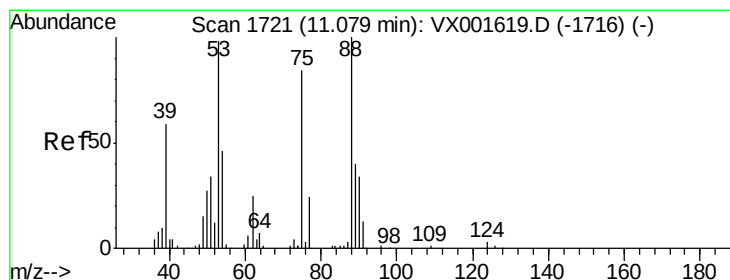
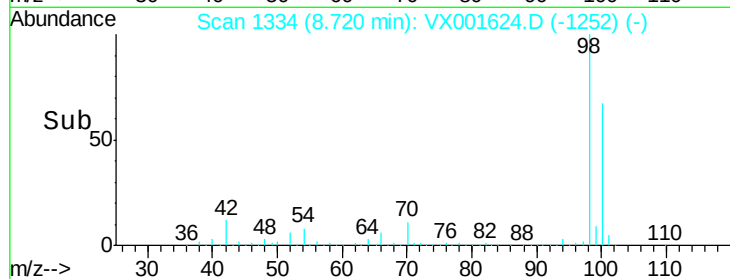
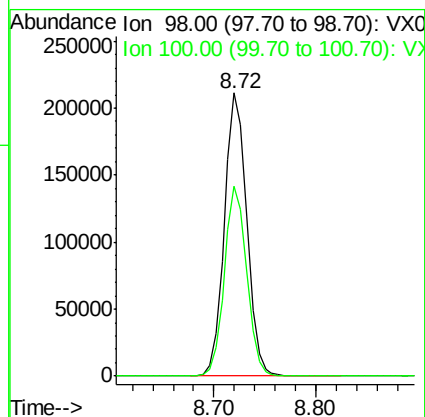
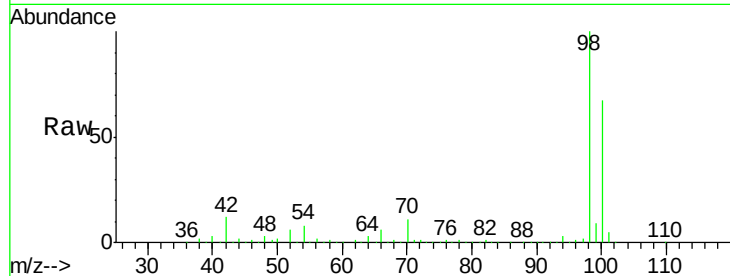




#63
Toluene-d8
Concen: 29.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBL01

Tgt Ion: 98 Resp: 323585
Ion Ratio Lower Upper
98 100
100 66.7 52.2 78.2



#77
t-1,4-Dichloro-2-butene
Concen: 48.56 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001624.D
Acq: 11 May 2018 02:09

Tgt Ion: 75 Resp: 50569
Ion Ratio Lower Upper
75 100
53 0.2 58.3 174.8#
89 0.0 23.9 71.8#

