

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091120\
 Data File : VX018358.D
 Acq On : 11 Sep 2020 13:39
 Operator : JC/SP
 Sample : L3955-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 12 05:45:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	74654	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	367350	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	348251	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	178297	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	11.12	95	159233	26.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.93%
63) Toluene-d8	8.70	98	444103	28.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.43%

Target Compounds

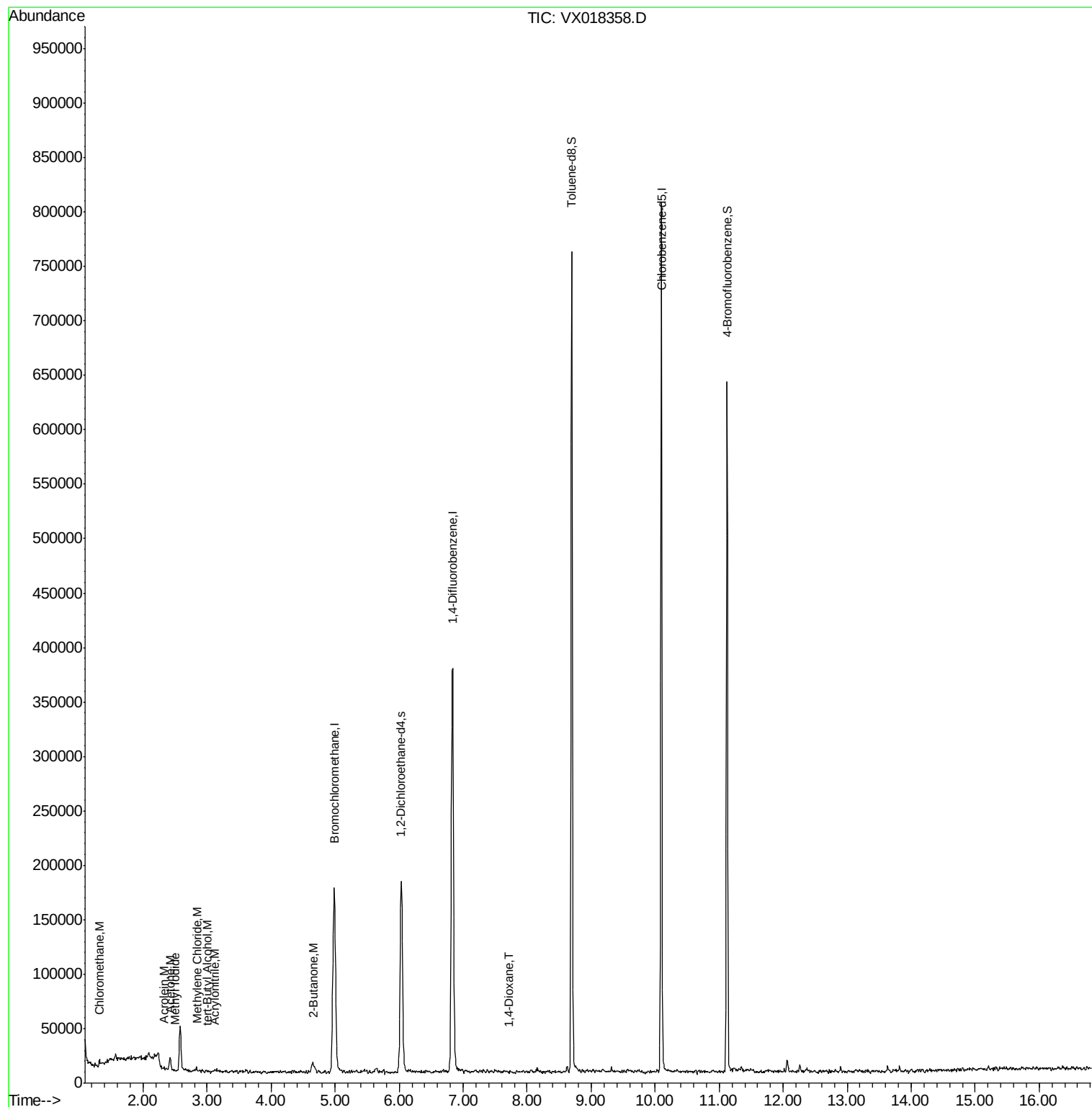
					Ovalue	
3) Chloromethane	1.31	50	2261	0.539	ug/l	91
11) Methyl Iodide	2.50	142	560	7.654	ug/l #	61
13) Acrolein	2.32	56	281	0.704	ug/l	89
14) Acrylonitrile	3.12	53	591	0.264	ug/l #	54
15) Acetone	2.42	58	4266	7.005	ug/l	78
18) Methylene Chloride	2.84	84	1756	0.398	ug/l #	58
23) tert-Butyl Alcohol	3.00	59	880	0.907	ug/l #	55
30) 2-Butanone	4.65	43	1796	0.585	ug/l #	85
45) 1,4-Dioxane	7.71	88	28	0.341	ug/l #	1

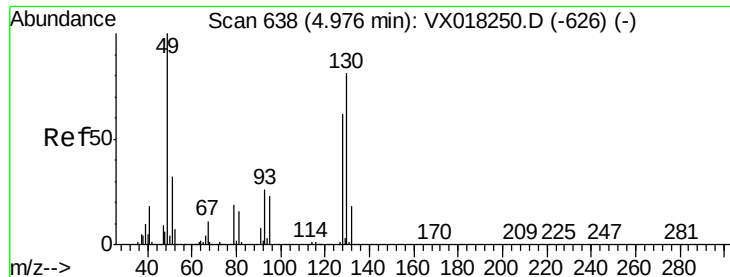
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
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QLast Update : Fri Sep 04 12:13:41 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX018358.D

Acq: 11 Sep 2020 13:39

Instrument :

MSVOA_X

ClientSampled :

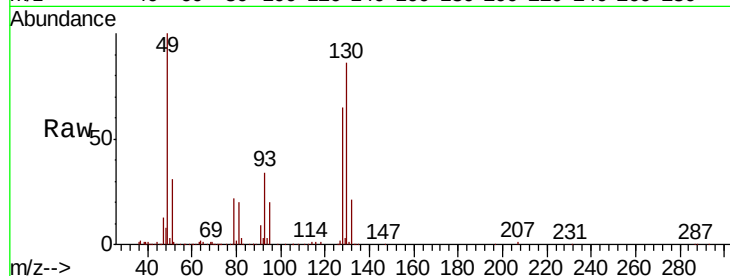
Tot Ion:128 Resp: 74654

Ion Ratio Lower Upper

128 100

49 152.1 0.0 392.0

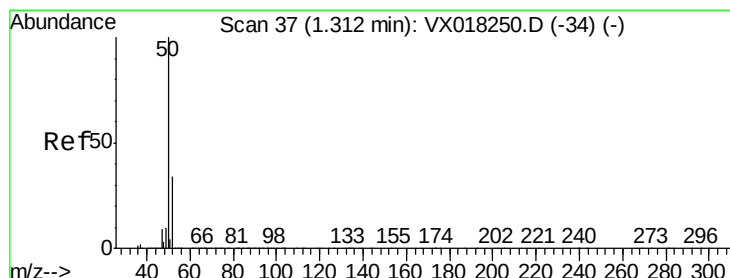
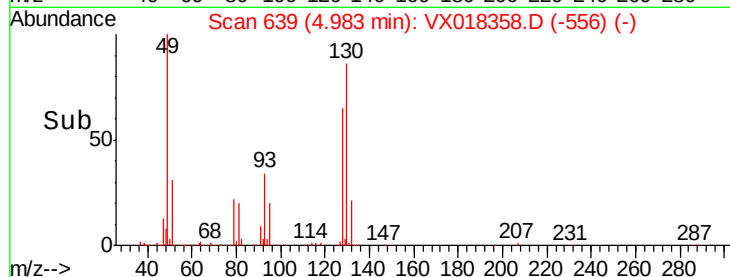
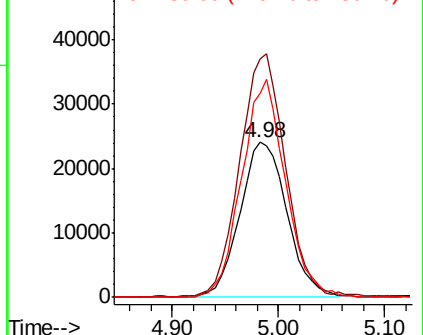
130 131.1 0.0 320.2



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: 0.539 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018358.D

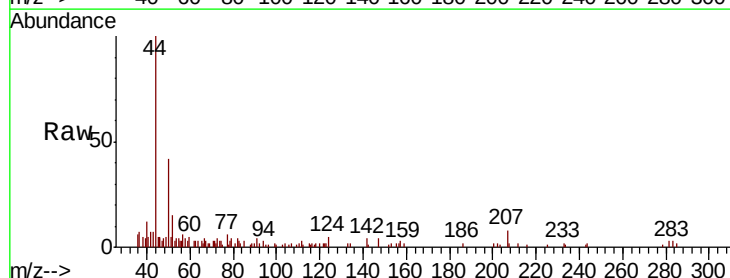
Acq: 11 Sep 2020 13:39

Tgt Ion: 50 Resp: 2261

Ion Ratio Lower Upper

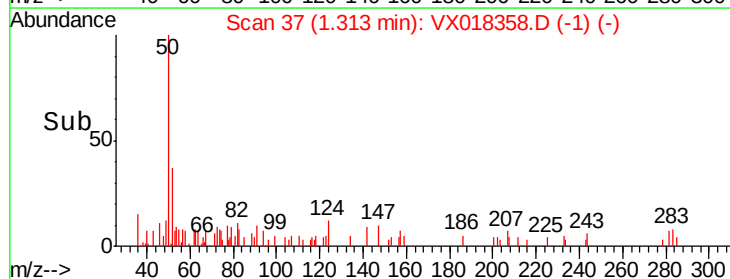
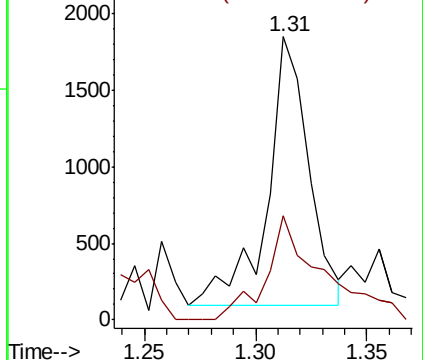
50 100

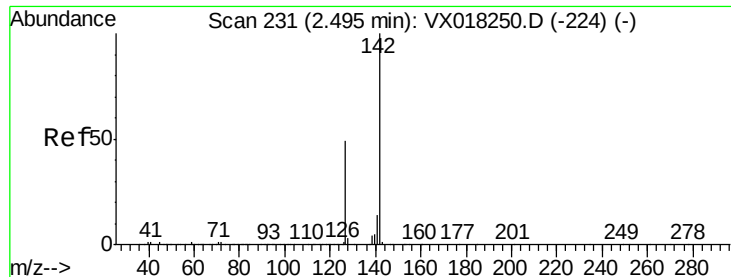
52 38.8 27.1 40.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

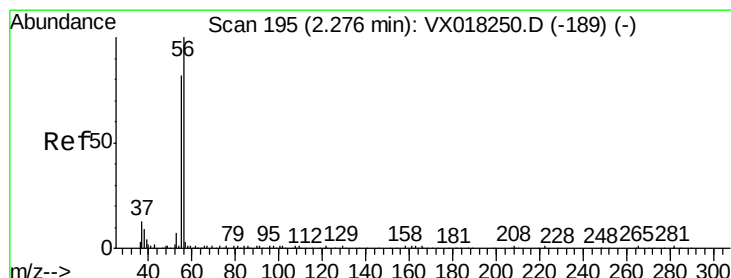
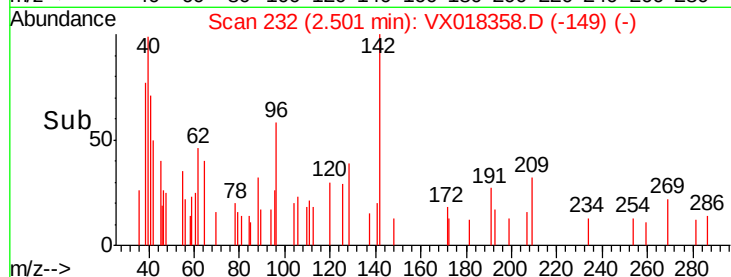
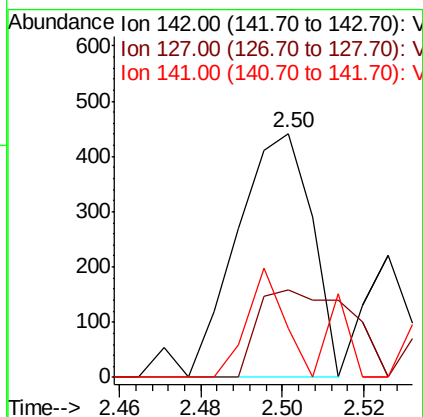
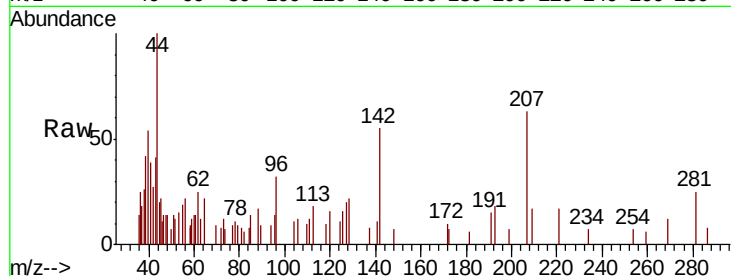




#11
Methyl Iodide
Concen: 7.654 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

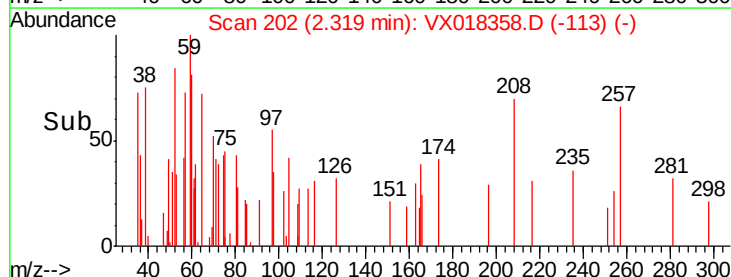
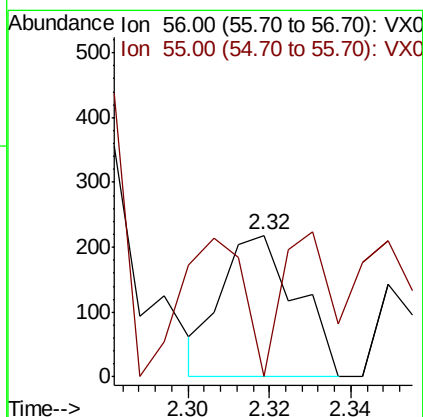
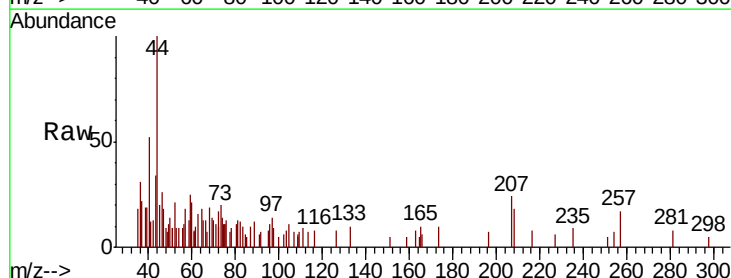
Instrument :
MSVOA_X
ClientSampled :

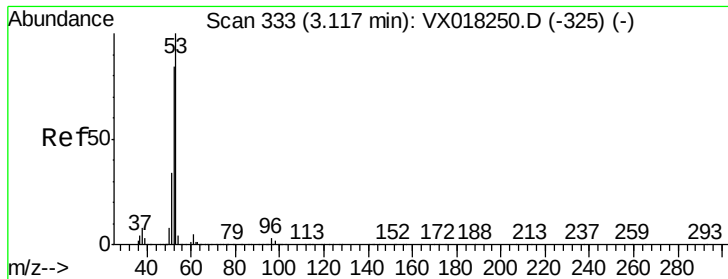
Tot Ion:142 Resp: 560
Ion Ratio Lower Upper
142 100
127 19.8 24.6 74.0#
141 3.3 7.0 21.0#



#13
Acrolein
Concen: 0.704 ug/l
RT: 2.32 min Scan# 202
Delta R.T. 0.04 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

Tgt Ion: 56 Resp: 281
Ion Ratio Lower Upper
56 100
55 65.1 59.7 89.5





#14

Acrylonitrile

Concen: 0.264 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018358.D

Acq: 11 Sep 2020 13:39

Instrument :

MSVOA_X

ClientSampleId :

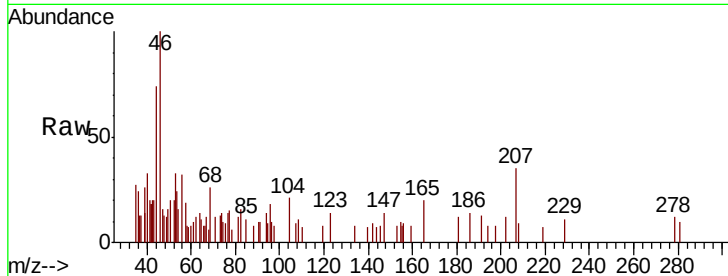
Tot Ion: 53 Resp: 591

Ion Ratio Lower Upper

53 100

52 36.2 41.9 125.7#

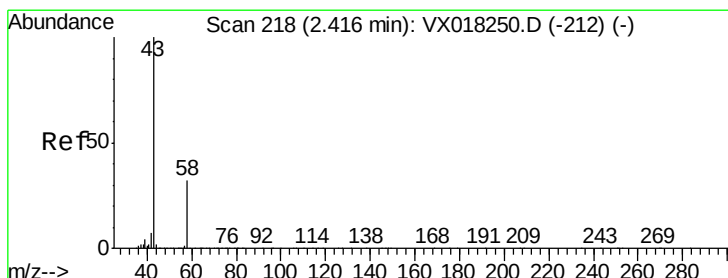
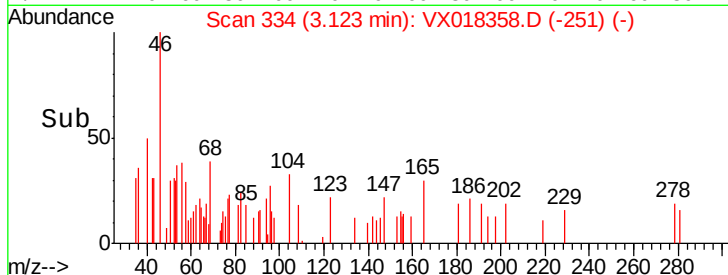
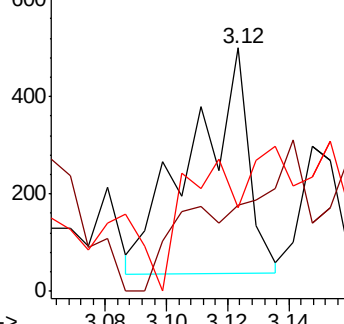
51 55.7 18.3 54.8#



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: 7.005 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX018358.D

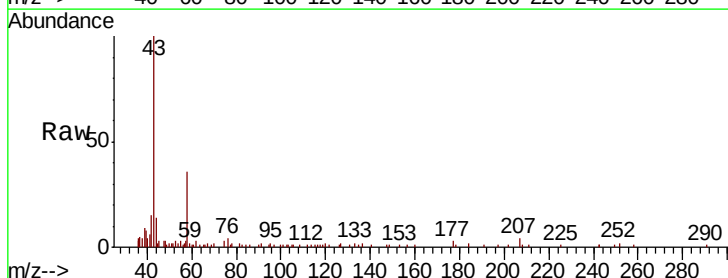
Acq: 11 Sep 2020 13:39

Tgt Ion: 58 Resp: 4266

Ion Ratio Lower Upper

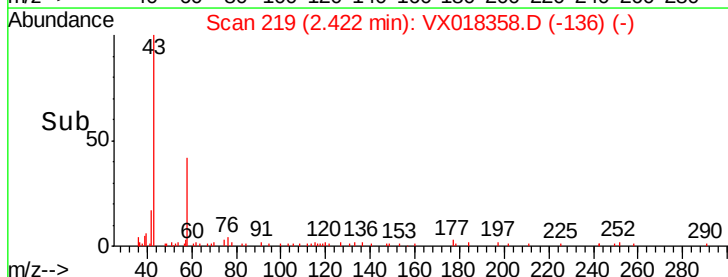
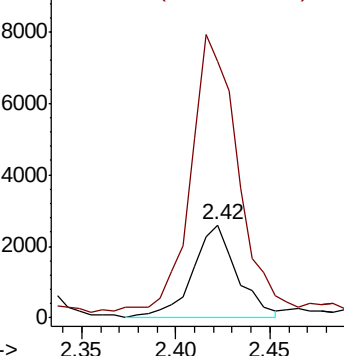
58 100

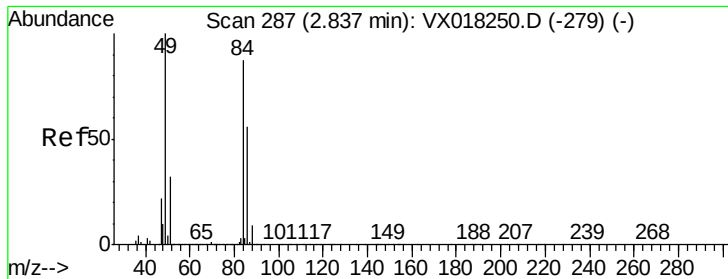
43 265.4 248.2 372.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

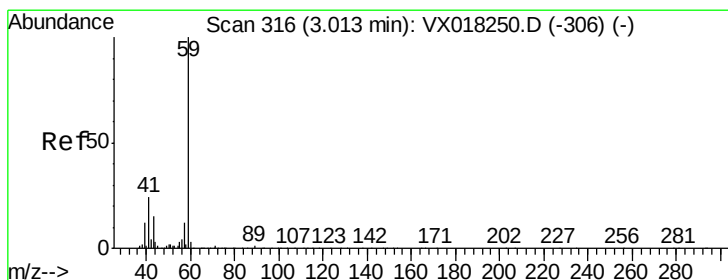
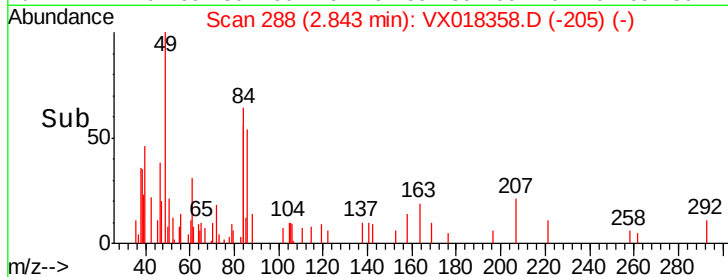
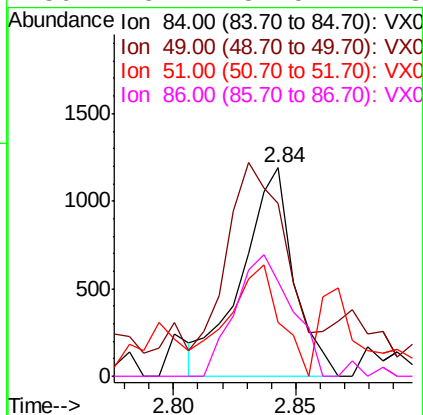
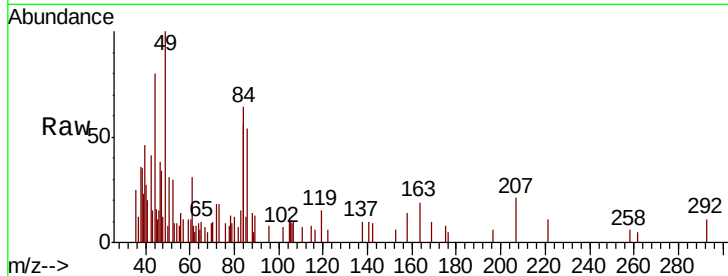




#18
Methylene Chloride
Concen: 0.398 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

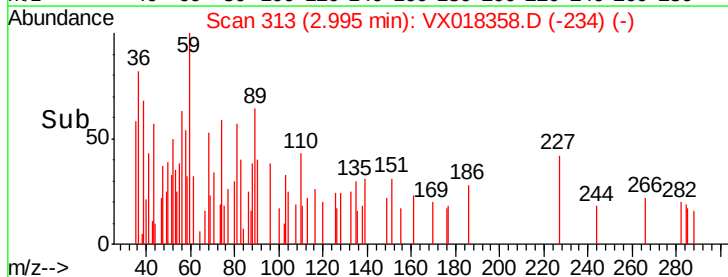
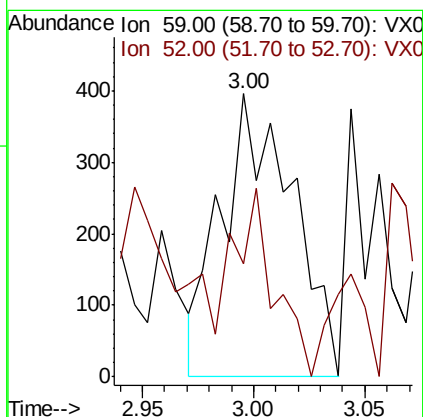
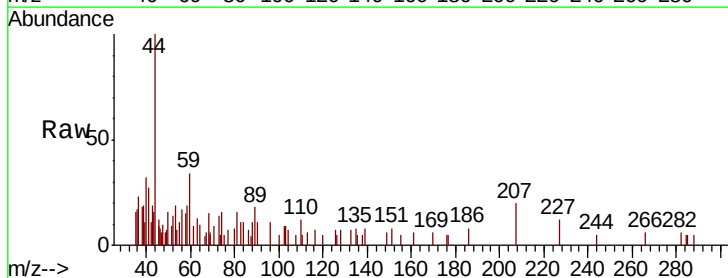
Instrument :
MSVOA_X
ClientSampled :

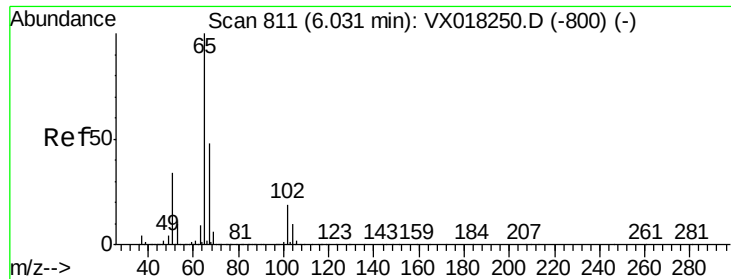
Tot Ion:	84	Resp:	1756
Ion	Ratio	Lower	Upper
84	100		
49	56.9	91.6	137.4#
51	14.0	29.4	44.0#
86	45.2	51.5	77.3#



#23
tert-Butyl Alcohol
Concen: 0.907 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

Tgt Ion:	59	Resp:	880
Ion	Ratio	Lower	Upper
59	100		
52	29.9	0.4	0.6#

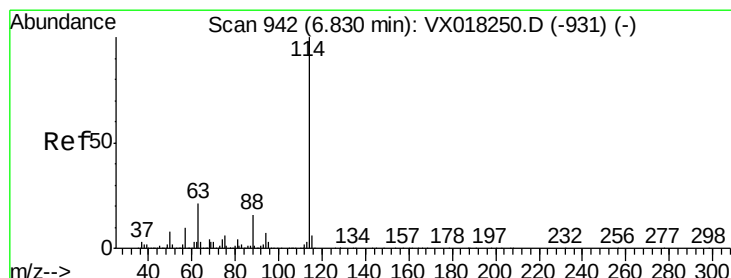
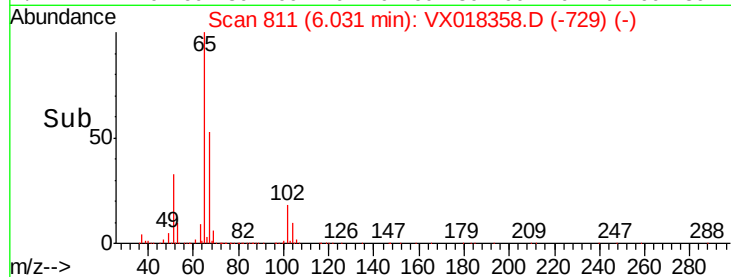
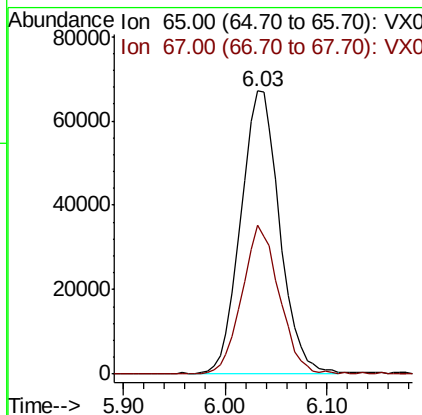
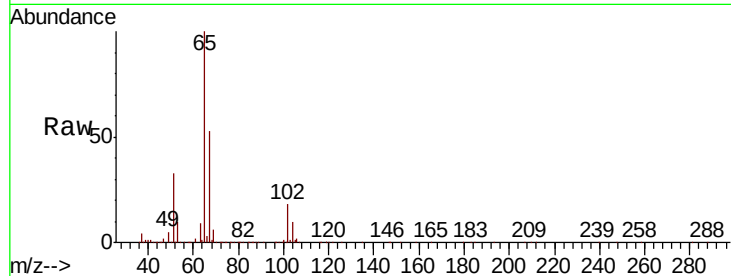




#27
 1,2-Dichloroethane-d4
 Concen: 30.273 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX018358.D
 Acq: 11 Sep 2020 13:39

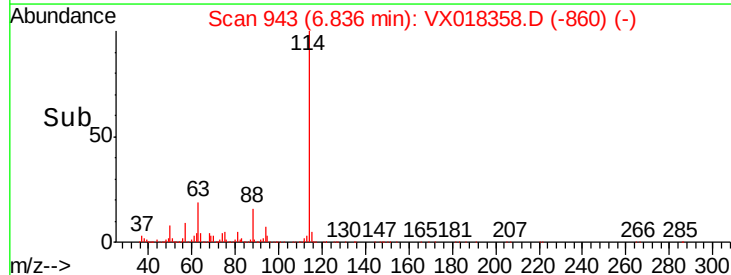
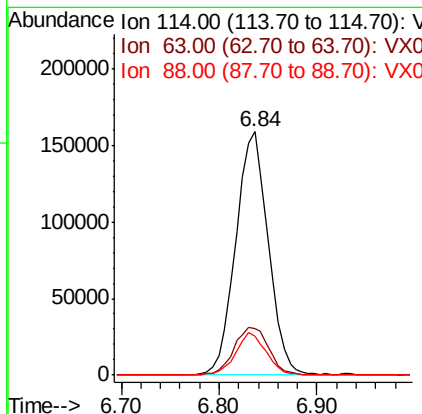
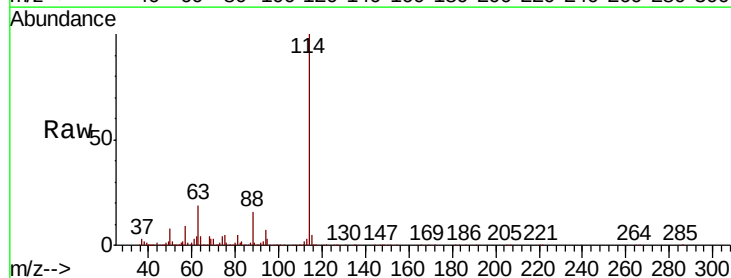
Instrument :
 MSVOA_X
 ClientSampleId :

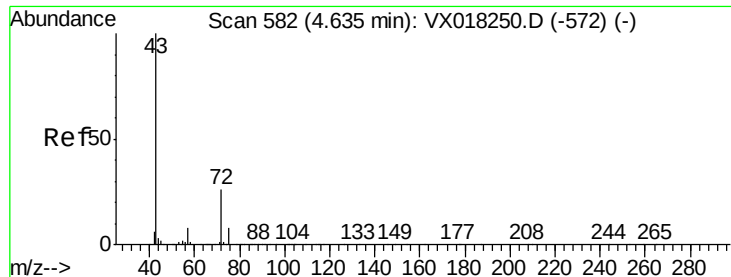
Tot Ion: 65 Resp: 178297
 Ion Ratio Lower Upper
 65 100
 67 50.2 39.9 59.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX018358.D
 Acq: 11 Sep 2020 13:39

Tgt Ion: 114 Resp: 367350
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.7 25.1
 88 16.5 12.6 18.8

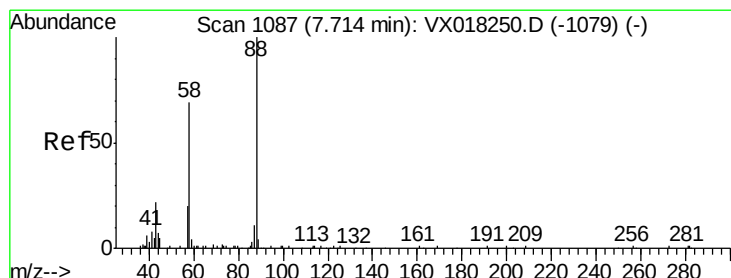
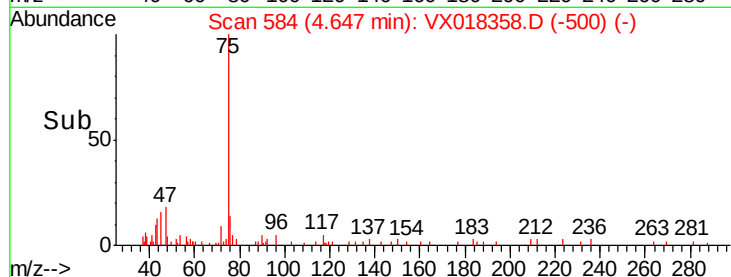
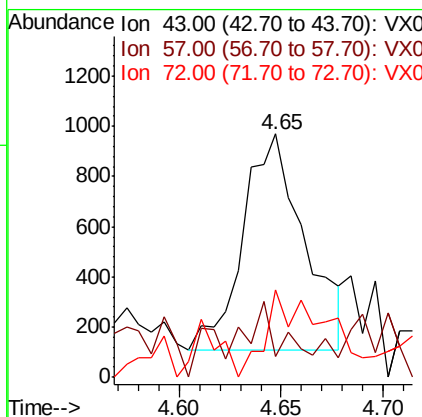
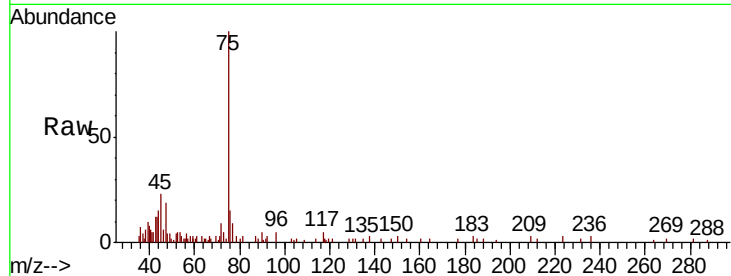




#30
2-Butanone
Concen: 0.585 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

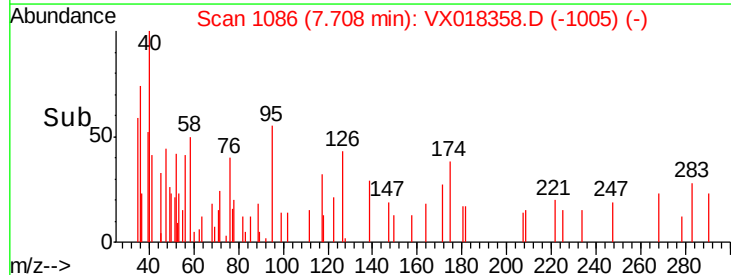
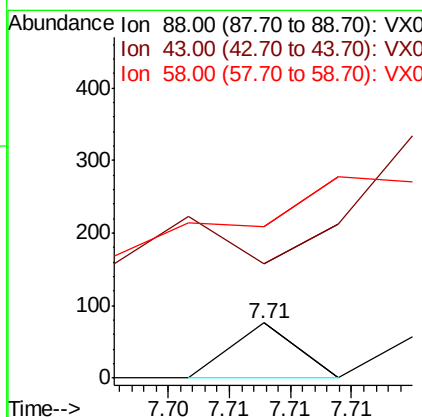
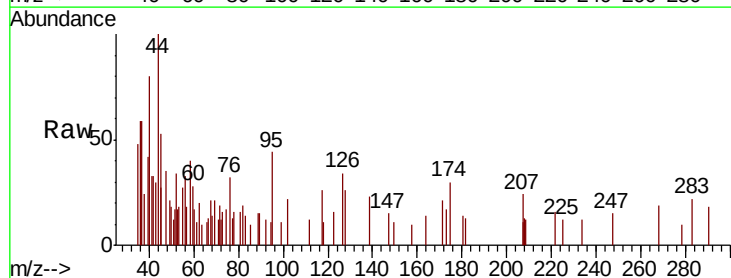
Instrument :
MSVOA_X
ClientSampleId :

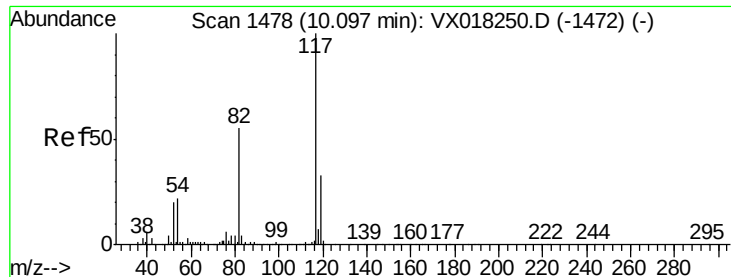
Tot Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
57 7.8 6.7 10.1
72 15.4 20.0 30.0#



#45
1,4-Dioxane
Concen: 0.341 ug/l
RT: 7.71 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 717.9 13.6 20.4#
58 2039.3 58.2 87.4#

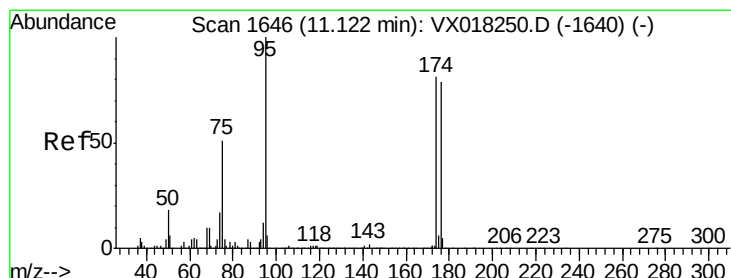
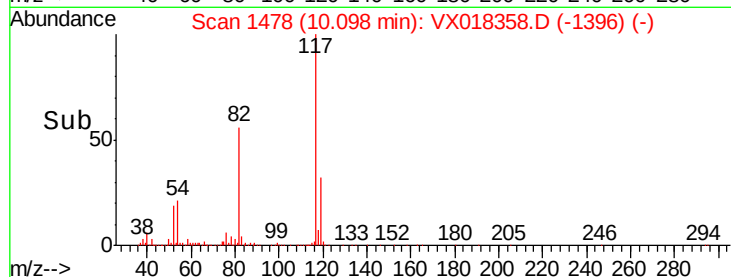
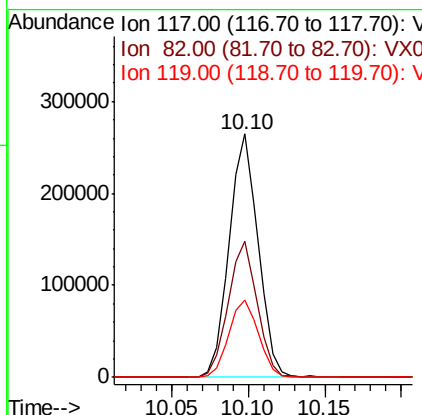
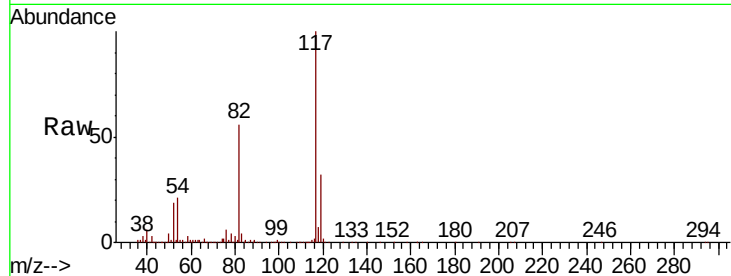




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

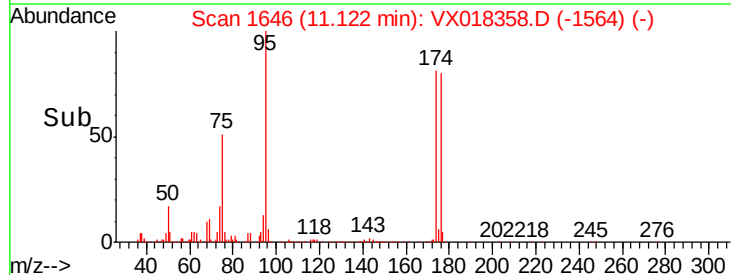
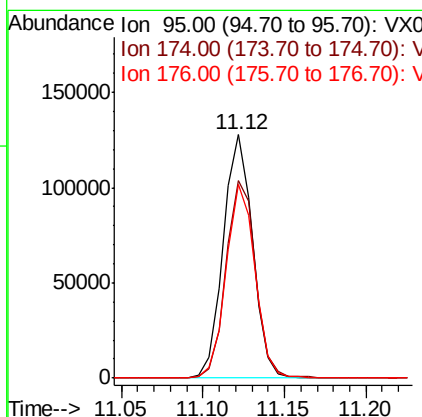
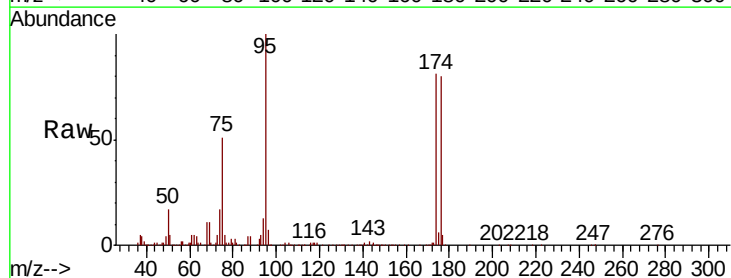
Instrument :
MSVOA_X
ClientSampleId :

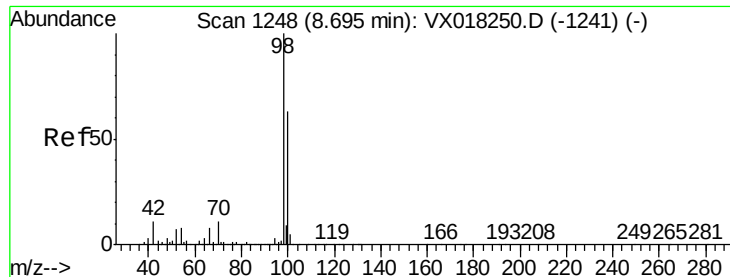
Tot Ion:117 Resp: 348251
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 33.0 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 26.380 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018358.D
Acq: 11 Sep 2020 13:39

Tgt Ion: 95 Resp: 159233
Ion Ratio Lower Upper
95 100
174 81.3 64.2 96.4
176 79.1 62.2 93.4





#63

Toluene-d8

Concen: 28.933 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX018358.D

Acq: 11 Sep 2020 13:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 444103

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

