

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120519\
 Data File : VX013767.D
 Acq On : 05 Dec 2019 11:10
 Operator : JC/SP
 Sample : VX1205WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1205WBL01

Quant Time: Dec 06 02:19:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	111777	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	631890	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	536206	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	242370	29.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.87%
60) 4-Bromofluorobenzene	11.13	95	239280	27.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.53%
63) Toluene-d8	8.71	98	730198	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

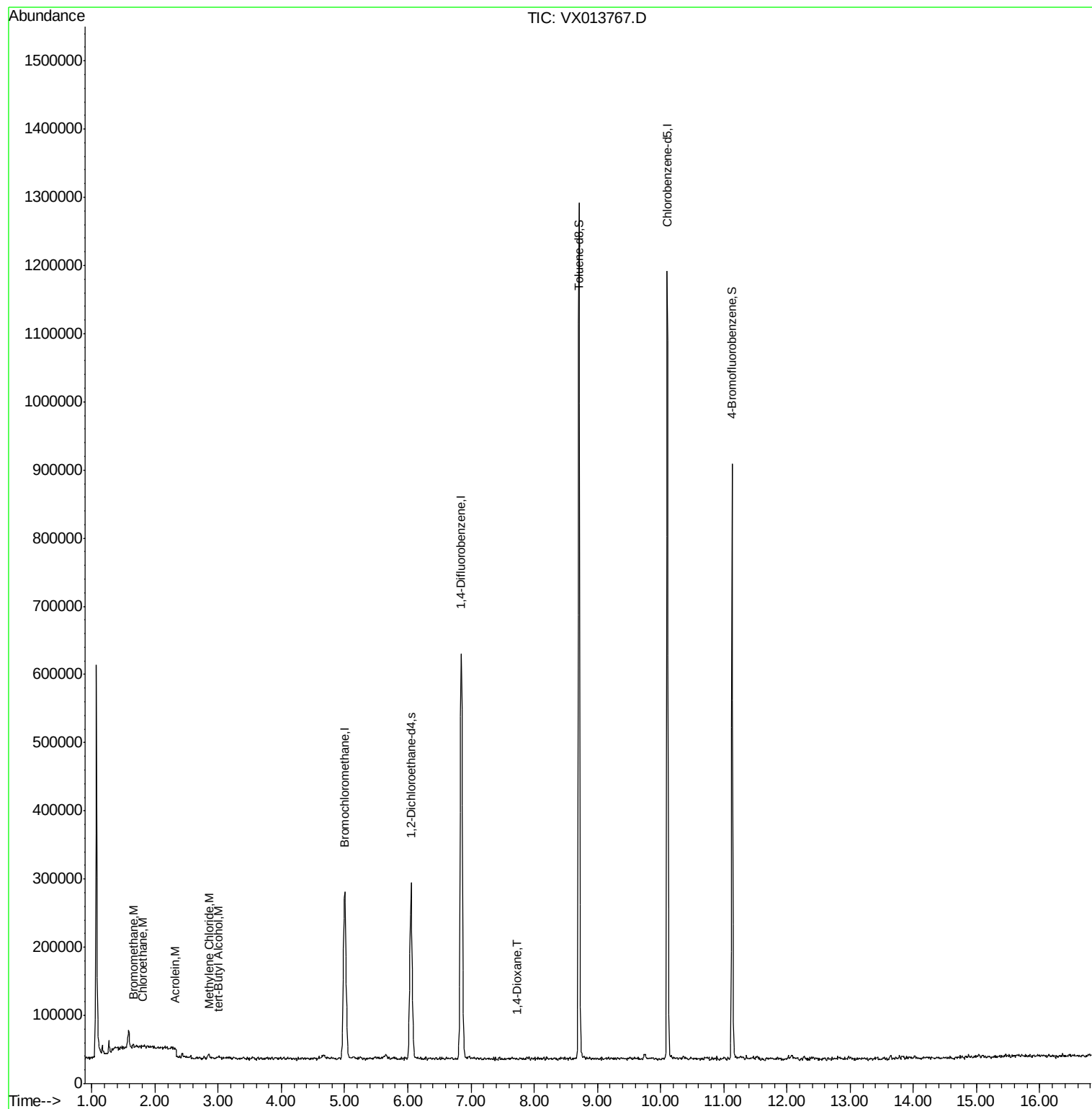
					Ovalue
5) Bromomethane	1.66	94	2231	0.358 ug/l	88
6) Chloroethane	1.80	64	1196	0.210 ug/l	98
13) Acrolein	2.31	56	450	0.350 ug/l	98
18) Methylene Chloride	2.85	84	3876	0.495 ug/l	94
23) tert-Butyl Alcohol	3.01	59	1649	0.770 ug/l #	98
45) 1,4-Dioxane	7.74	88	271	1.314 ug/l #	1

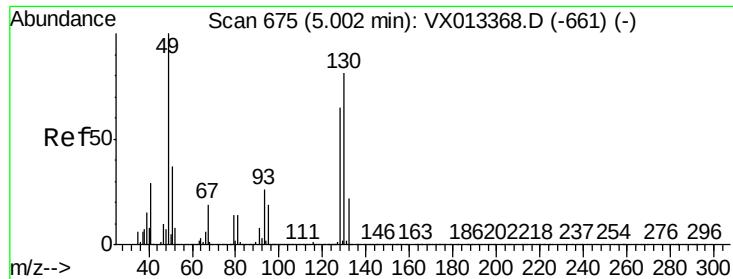
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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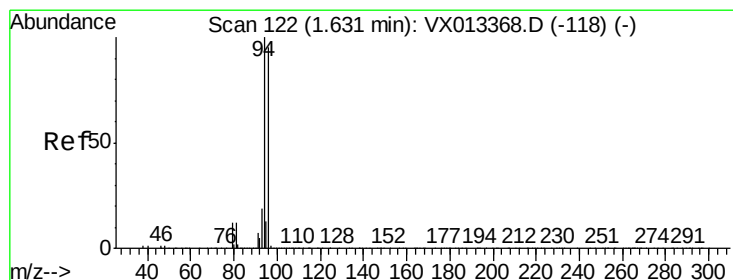
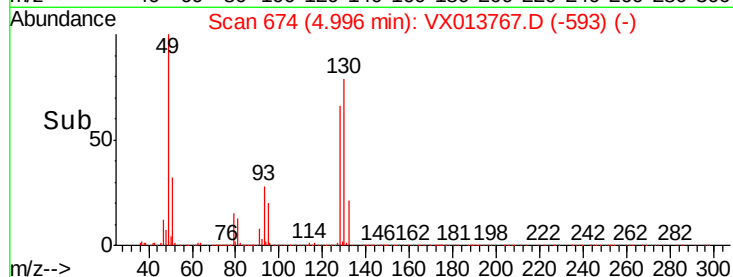
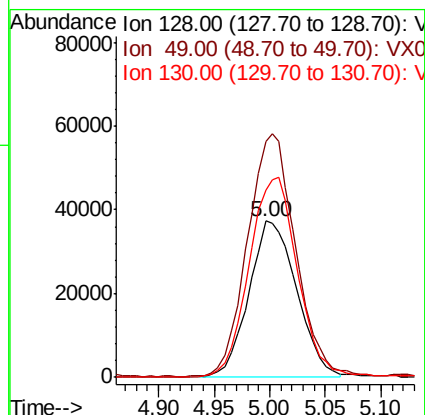
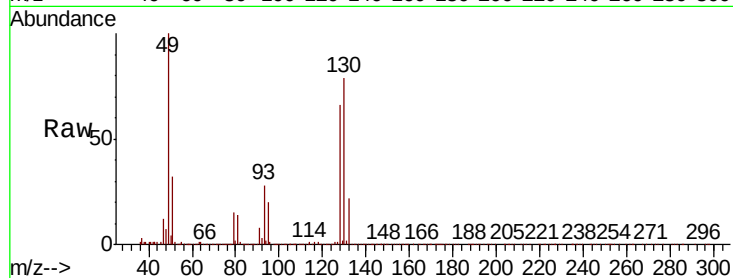




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX013767.D
Acq: 05 Dec 2019 11:10

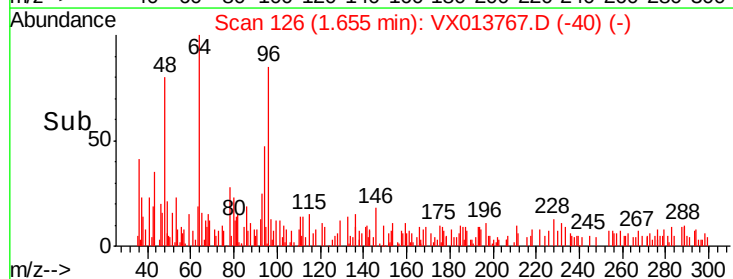
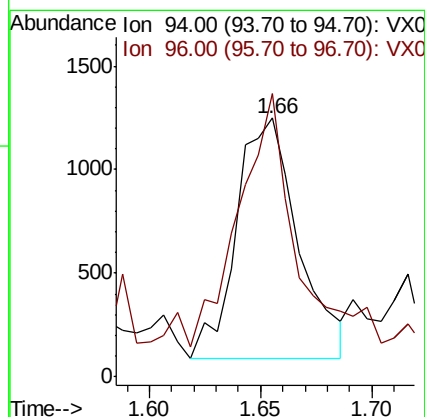
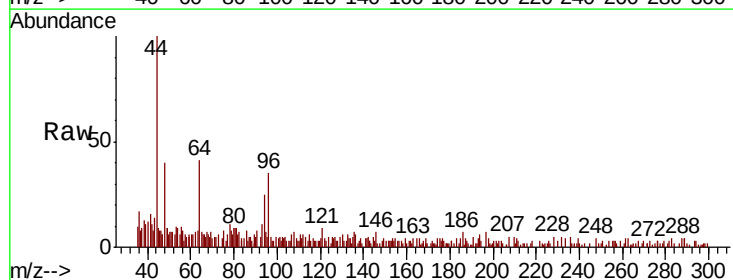
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

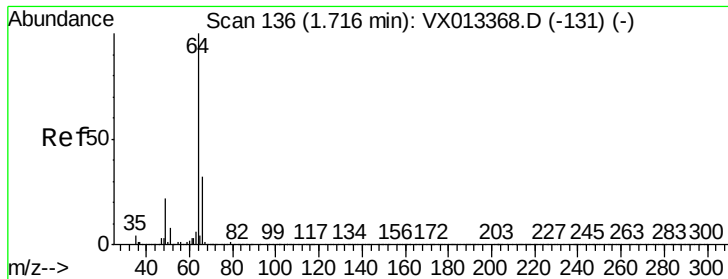
Tot Ion	Ratio	Lower	Upper
128	100		
49	156.0	0.0	388.3
130	129.6	0.0	318.5



#5
Bromomethane
Concen: 0.358 ug/l
RT: 1.66 min Scan# 126
Delta R.T. 0.02 min
Lab File: VX013767.D
Acq: 05 Dec 2019 11:10

Tgt Ion	Ratio	Lower	Upper
94	100		
96	105.8	75.7	113.5





#6

Chloroethane

Concen: 0.210 ug/l

RT: 1.80 min Scan# 150

Delta R.T. 0.09 min

Lab File: VX013767.D

Acq: 05 Dec 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

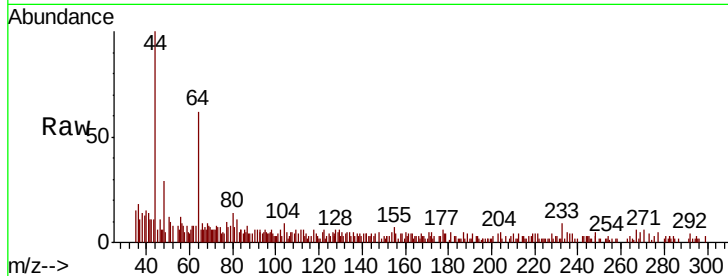
VX1205WBL01

Tot Ion: 64 Resp: 1196

Ion Ratio Lower Upper

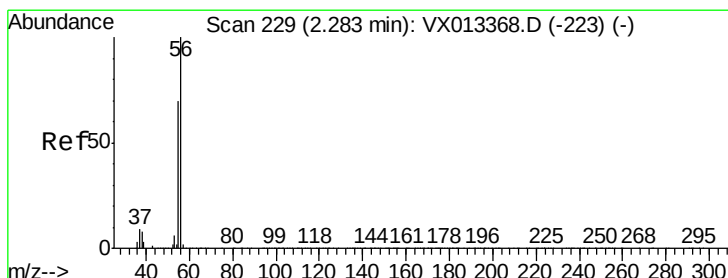
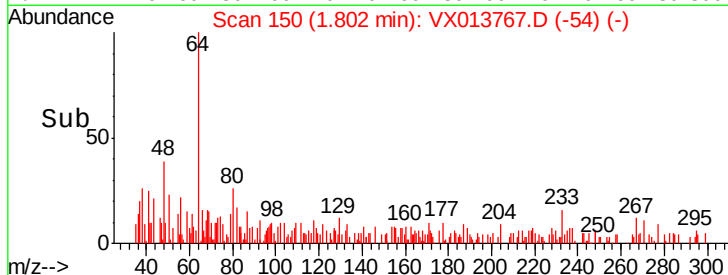
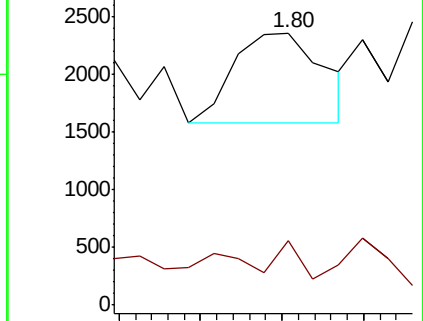
64 100

66 31.0 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



#13

Acrolein

Concen: 0.350 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX013767.D

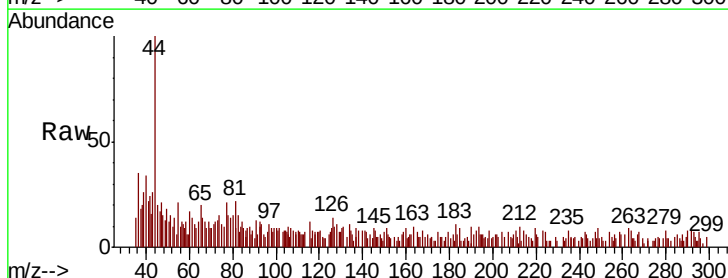
Acq: 05 Dec 2019 11:10

Tgt Ion: 56 Resp: 450

Ion Ratio Lower Upper

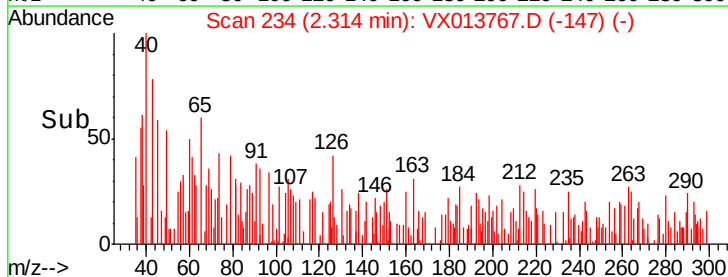
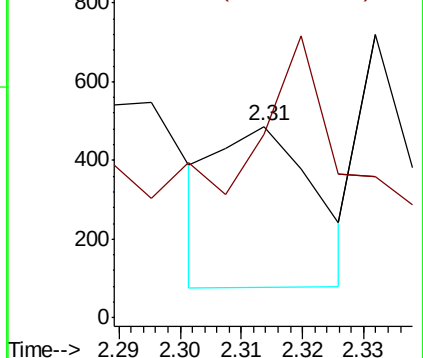
56 100

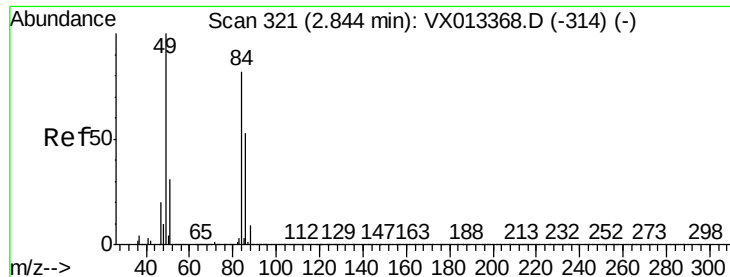
55 71.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

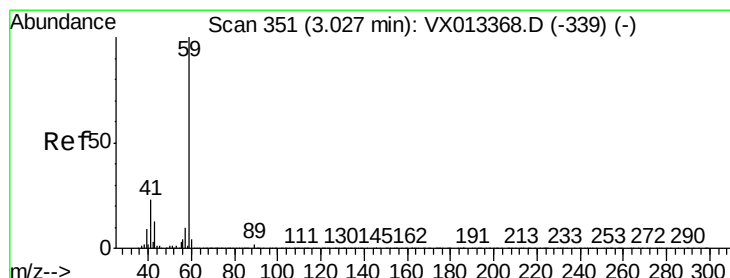
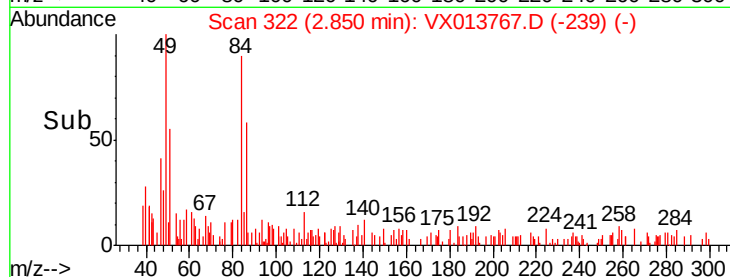
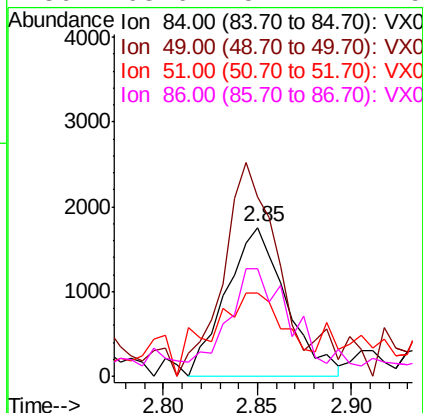
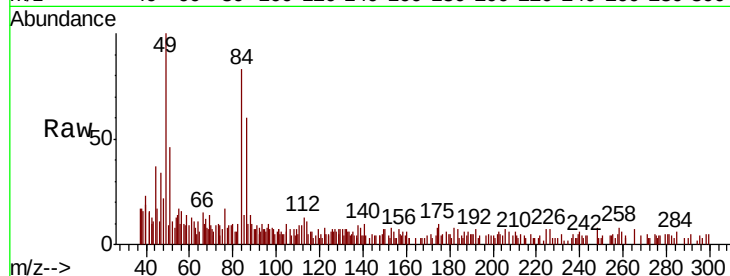




#18
Methylene Chloride
Concen: 0.495 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013767.D
Acq: 05 Dec 2019 11:10

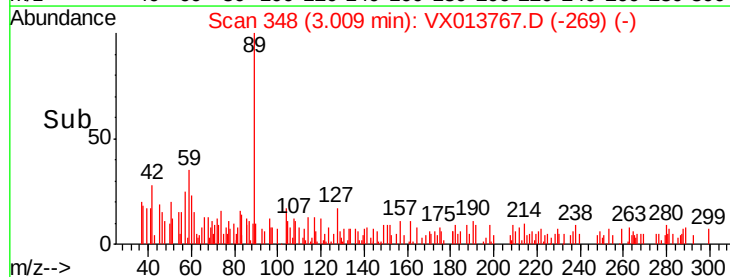
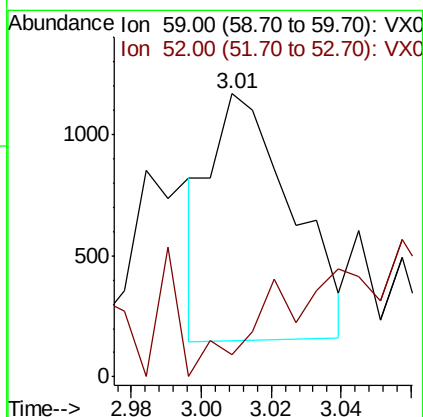
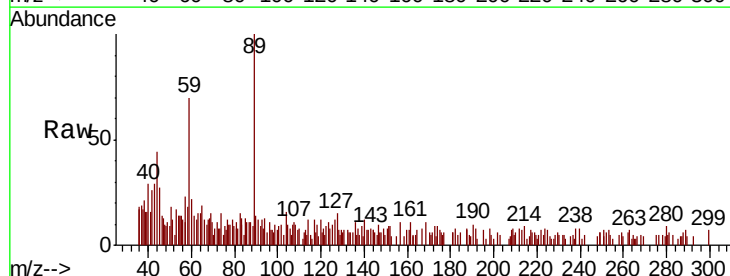
Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

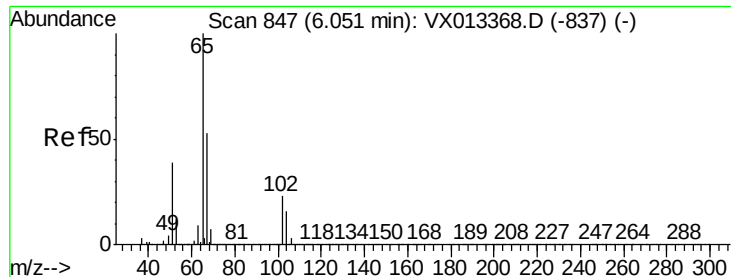
Tot Ion:	84	Resp:	3876
Ion	Ratio	Lower	Upper
84	100		
49	108.7	96.8	145.2
51	37.4	30.0	45.0
86	63.6	51.7	77.5



#23
tert-Butyl Alcohol
Concen: 0.770 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013767.D
Acq: 05 Dec 2019 11:10

Tgt Ion:	59	Resp:	1649
Ion	Ratio	Lower	Upper
59	100		
52	5.3	0.1	0.1#



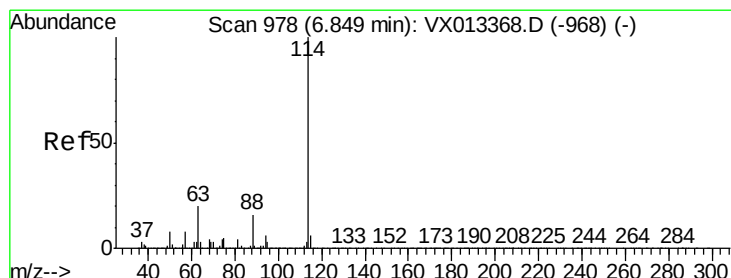
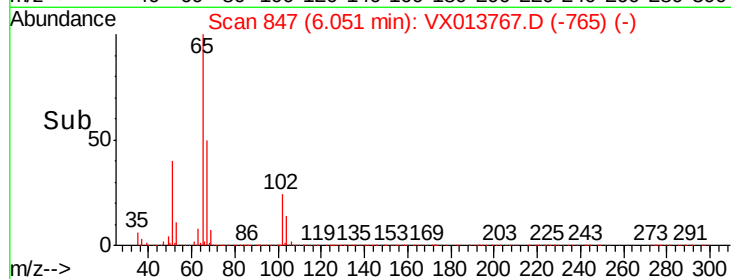
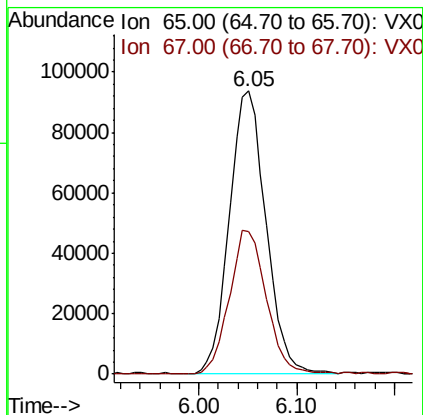
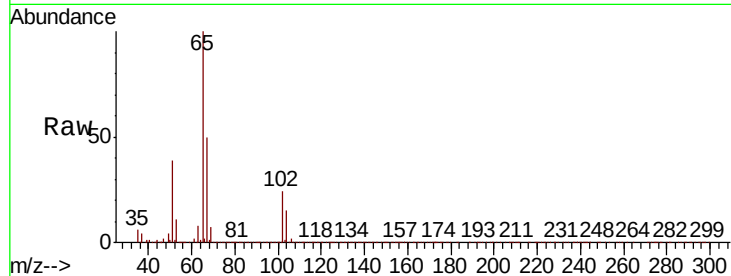


#27

1,2-Dichloroethane-d4
Concen: 29.365 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013767.D
Acq: 05 Dec 2019 11:10

Instrument :
MSVOA_X
ClientSampleId :
VX1205WBL01

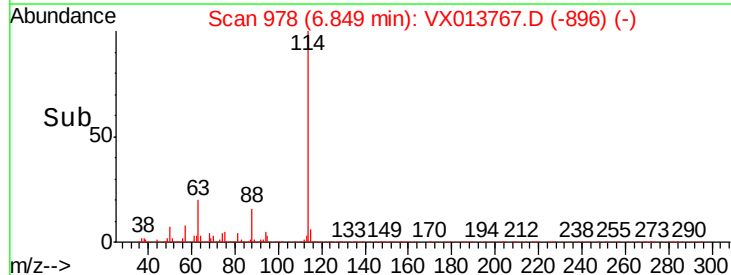
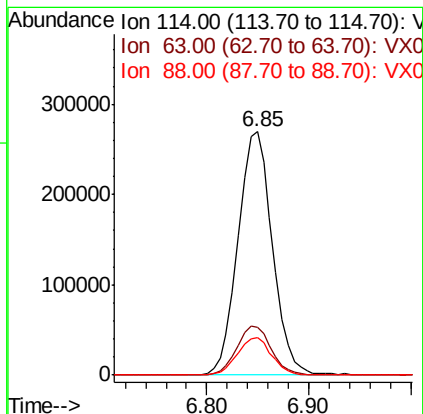
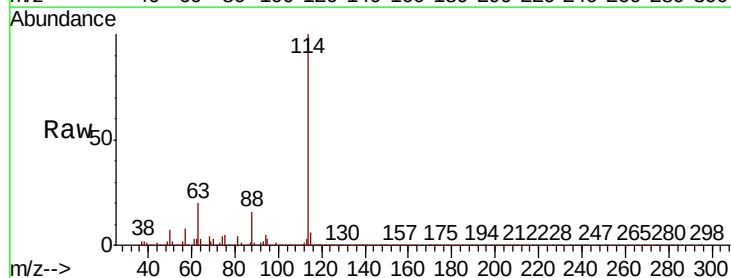
Tot Ion: 65 Resp: 242370
Ion Ratio Lower Upper
65 100
67 51.4 41.0 61.6

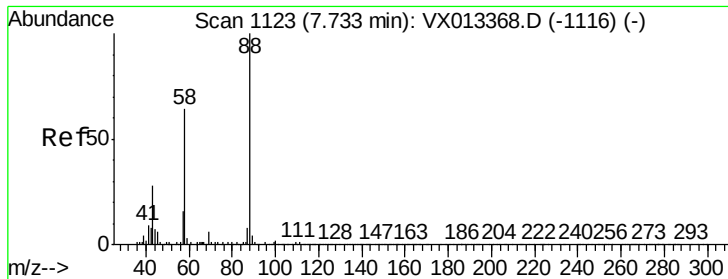


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013767.D
Acq: 05 Dec 2019 11:10

Tgt Ion: 114 Resp: 631890
Ion Ratio Lower Upper
114 100
63 20.2 16.1 24.1
88 15.5 12.3 18.5





#45

1,4-Dioxane

Concen: 1.314 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013767.D

Acq: 05 Dec 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

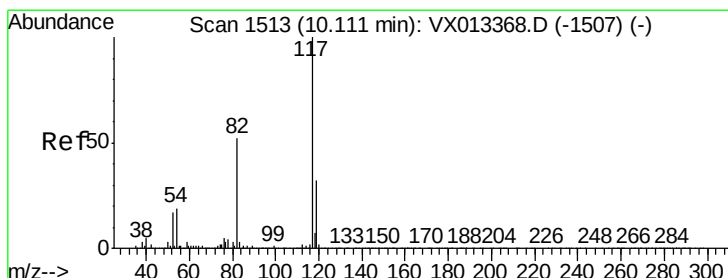
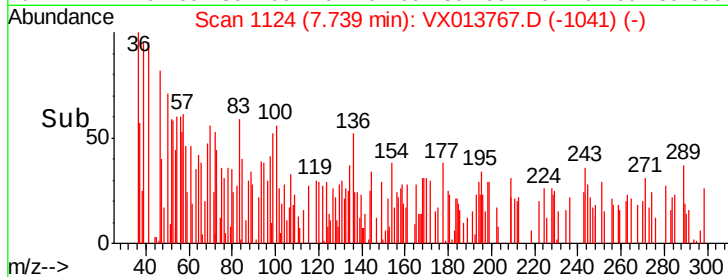
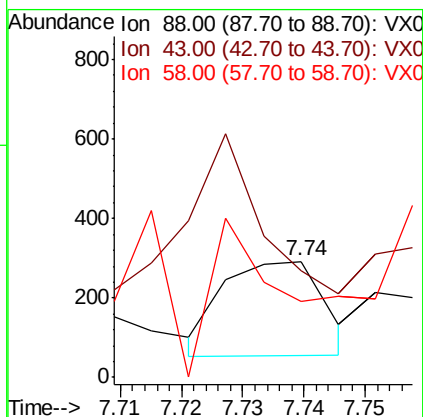
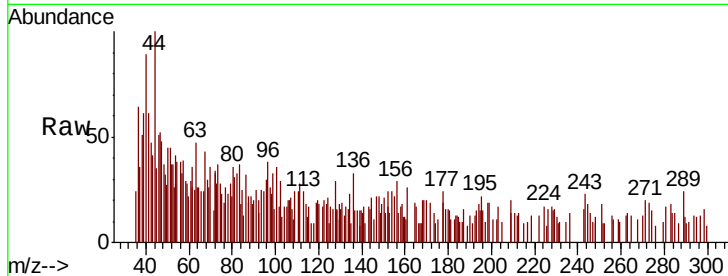
Tot Ion: 88 Resp: 271

Ion Ratio Lower Upper

88 100

43 115.9 26.1 39.1#

58 166.4 55.8 83.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013767.D

Acq: 05 Dec 2019 11:10

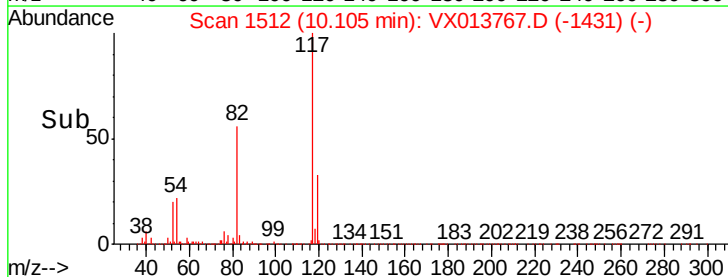
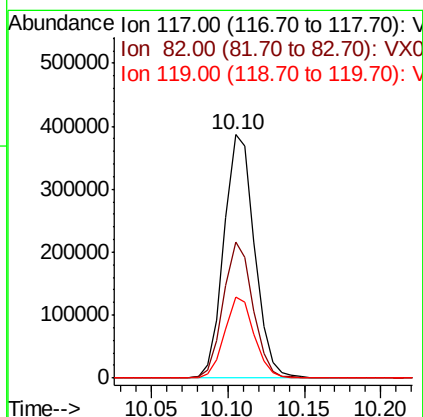
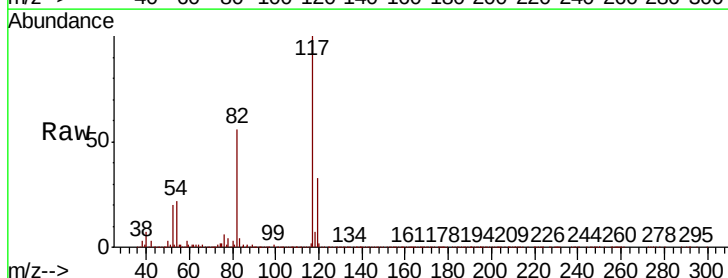
Tgt Ion: 117 Resp: 536206

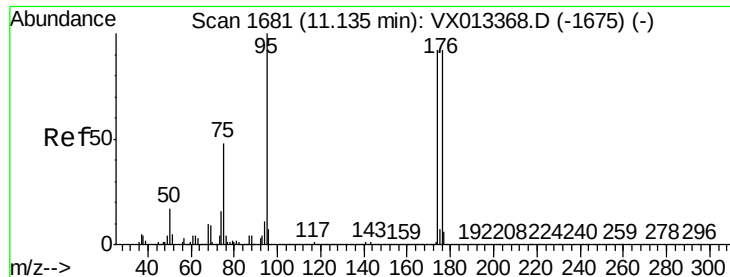
Ion Ratio Lower Upper

117 100

82 54.2 43.7 65.5

119 32.2 25.5 38.3





#60

4-Bromofluorobenzene

Concen: 27.764 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013767.D

Acq: 05 Dec 2019 11:10

Instrument :

MSVOA_X

ClientSampleId :

VX1205WBL01

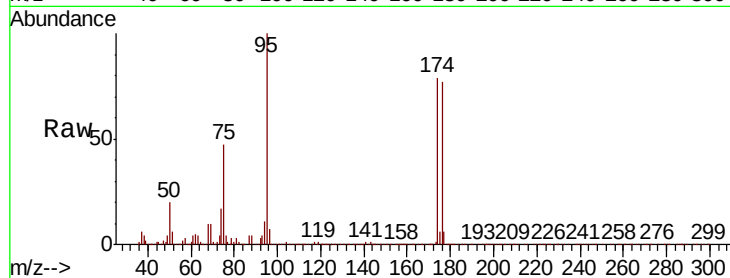
Tot Ion: 95 Resp: 239280

Ion Ratio Lower Upper

95 100

174 90.1 70.2 105.2

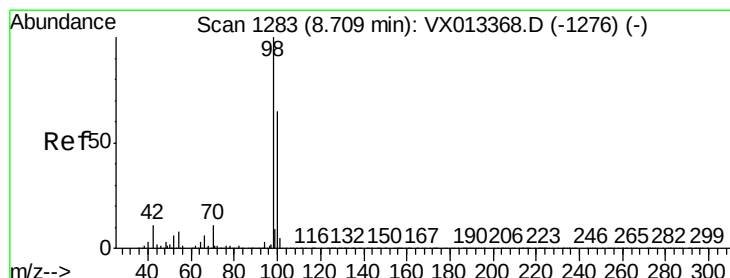
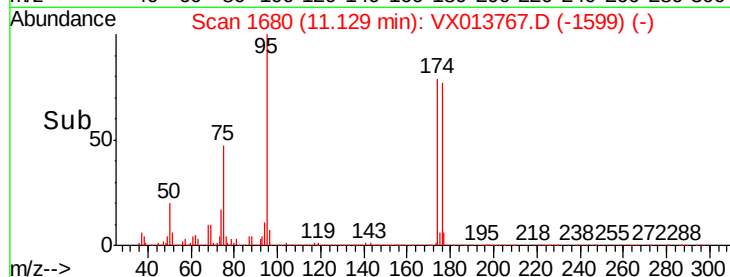
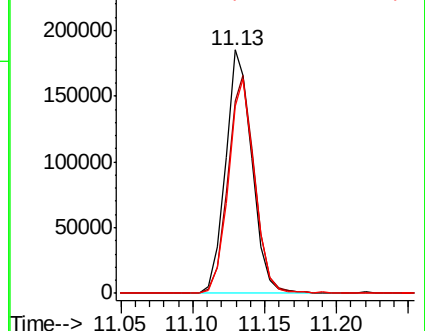
176 86.7 68.3 102.5



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: 30.115 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013767.D

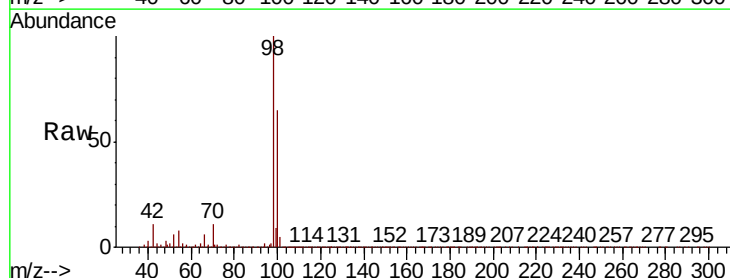
Acq: 05 Dec 2019 11:10

Tgt Ion: 98 Resp: 730198

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

