

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013430.D
 Acq On : 14 Nov 2019 18:53
 Operator : JC/SP
 Sample : K5859-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:59:19 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	104908	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	598249	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	522118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	235927	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.14	95	244146	29.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.97%
63) Toluene-d8	8.71	98	710355	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

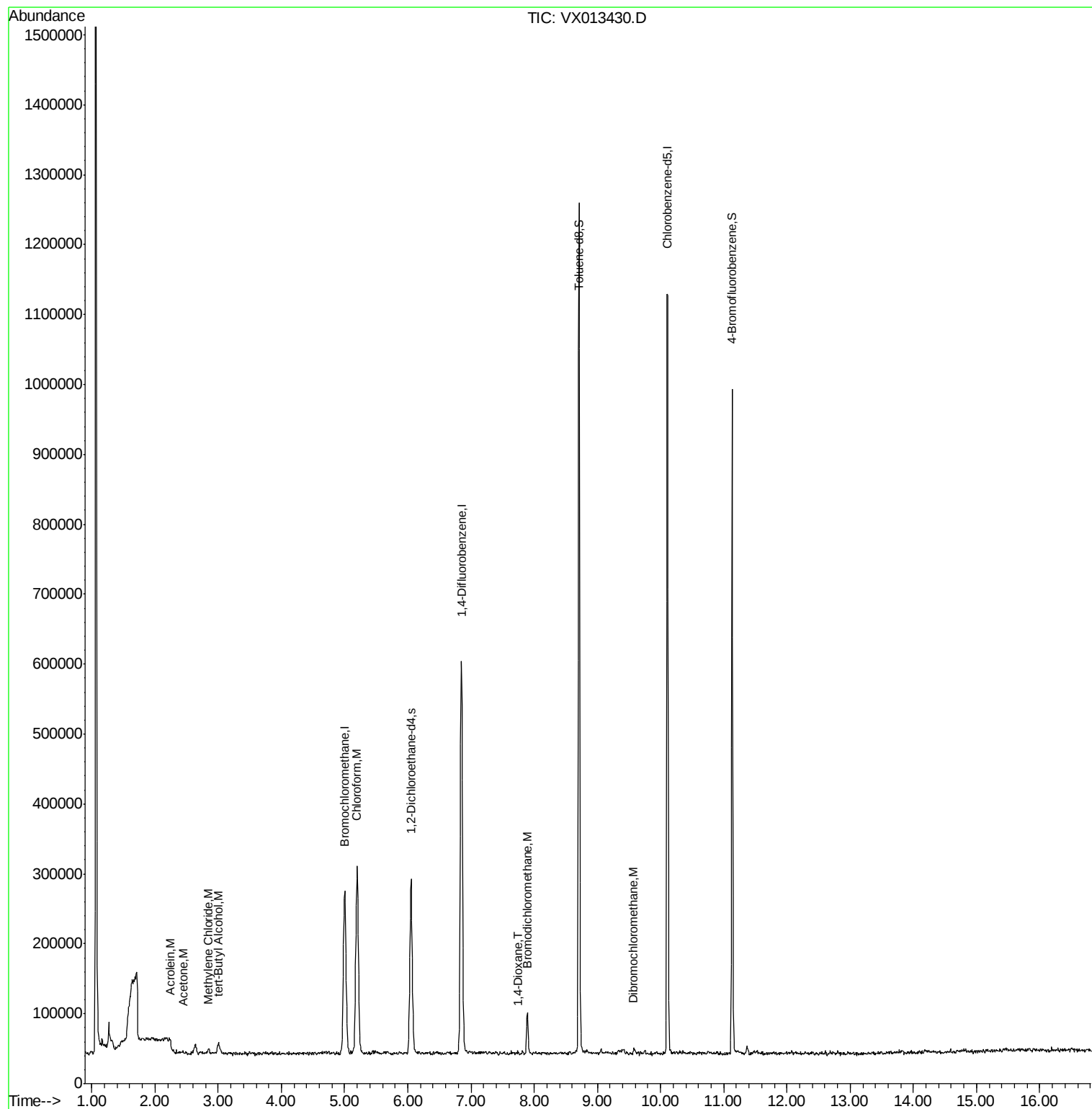
					Ovalue	
13) Acrolein	2.25	56	459	0.381	ug/l	91
15) Acetone	2.44	58	1088	0.860	ug/l	81
18) Methylene Chloride	2.84	84	3203	0.436	ug/l	96
23) tert-Butyl Alcohol	3.01	59	11219	5.584	ug/l #	99
25) Chloroform	5.20	83	304137	24.851	ug/l	97
41) Bromodichloromethane	7.89	83	38522	4.138	ug/l	98
45) 1,4-Dioxane	7.75	88	178	0.912	ug/l #	1
53) Dibromochloromethane	9.58	129	2865	0.383	ug/l	97

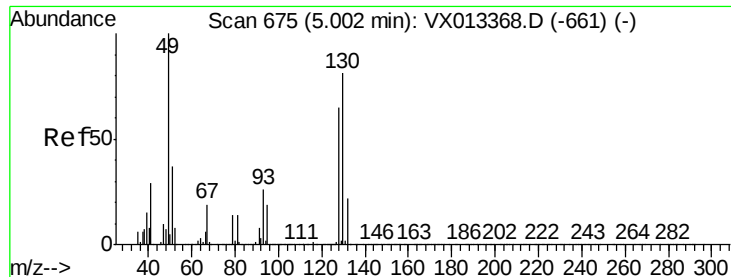
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
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QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

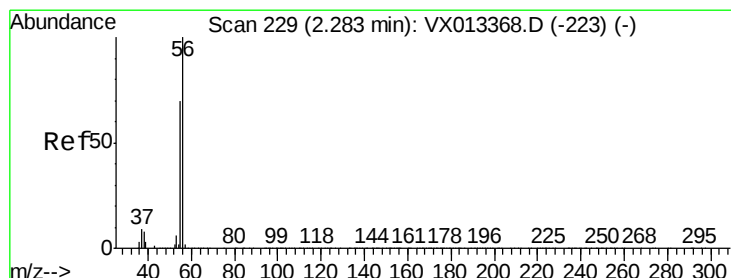
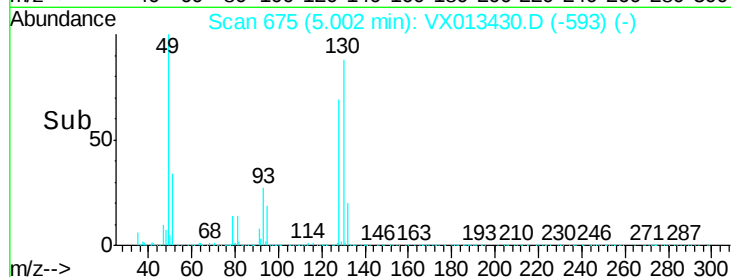
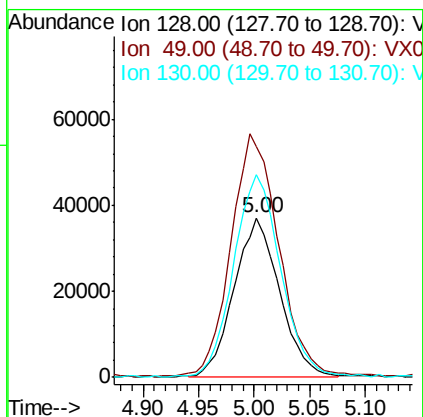
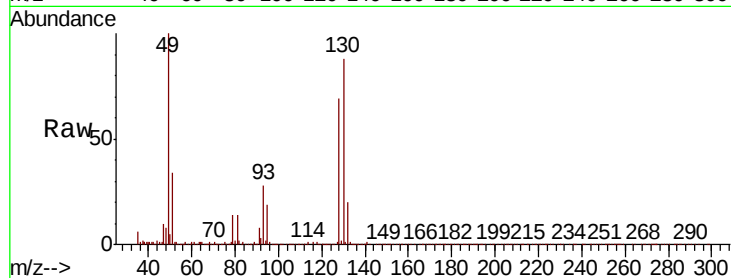
Delta R.T. -0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	128	Resp:	104908
Ion	Ratio	Lower	Upper
128	100		
49	158.6	0.0	388.3
130	131.4	0.0	318.5



#13

Acrolein

Concen: 0.381 ug/l

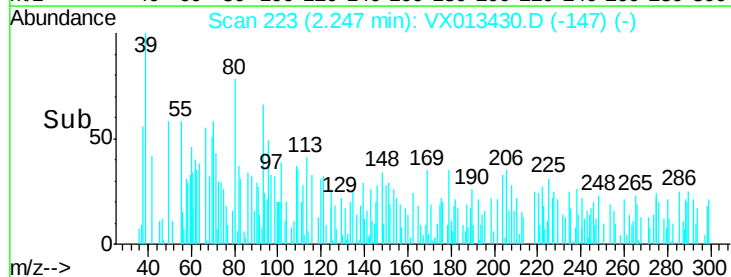
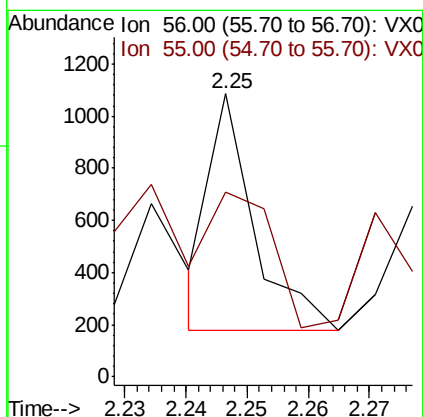
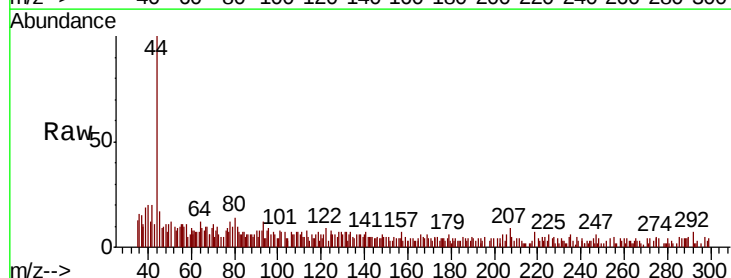
RT: 2.25 min Scan# 223

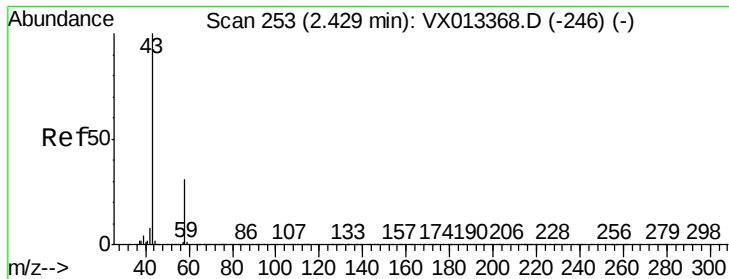
Delta R.T. -0.04 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Tgt Ion:	56	Resp:	459
Ion	Ratio	Lower	Upper
56	100		
55	77.3	55.8	83.8





#15

Acetone

Concen: 0.860 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

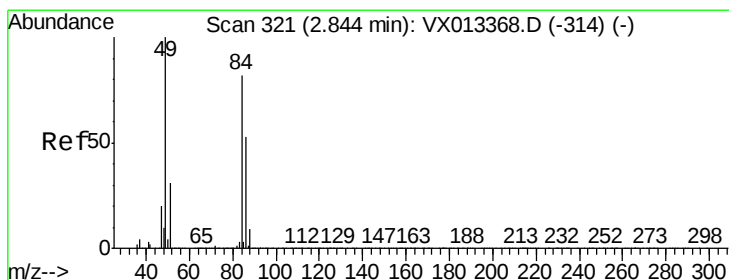
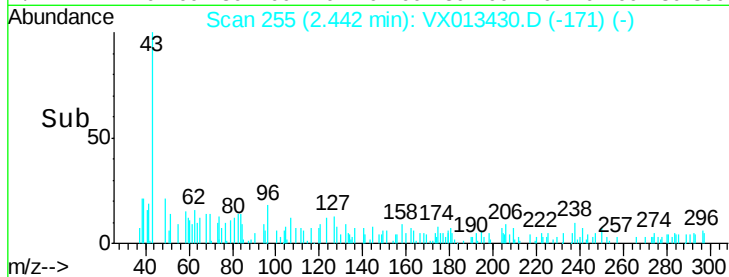
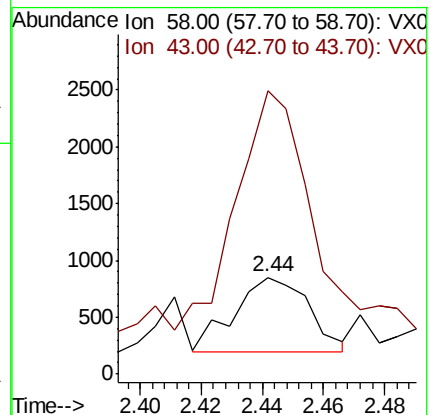
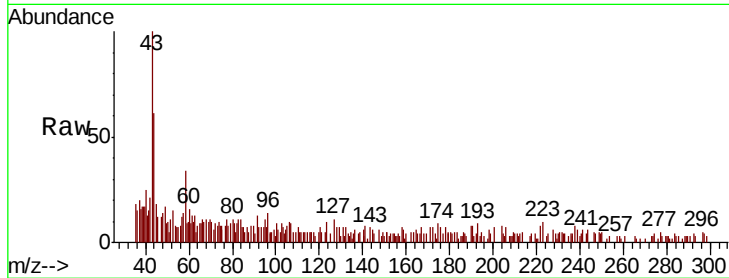
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 58 Resp: 1088

Ion Ratio Lower Upper

58 100

43 287.1 261.4 392.2



#18

Methylene Chloride

Concen: 0.436 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Tgt Ion: 84 Resp: 3203

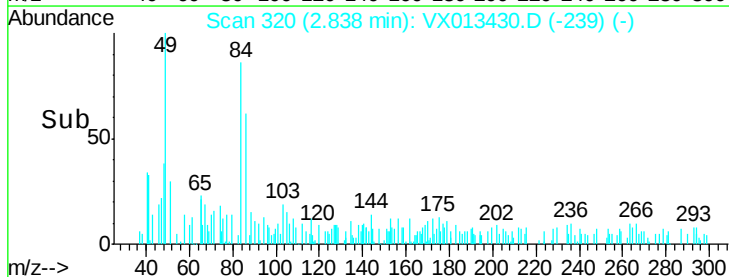
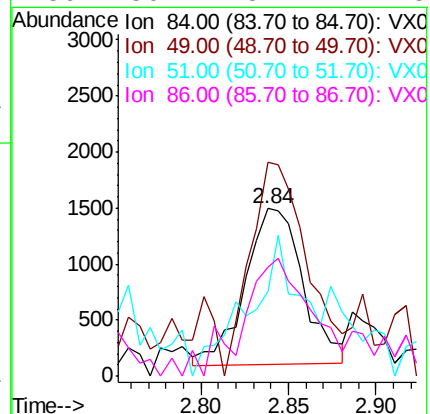
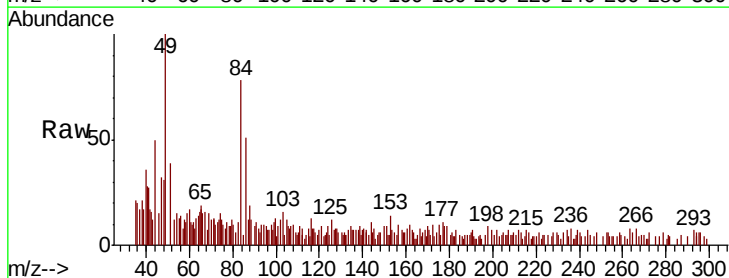
Ion Ratio Lower Upper

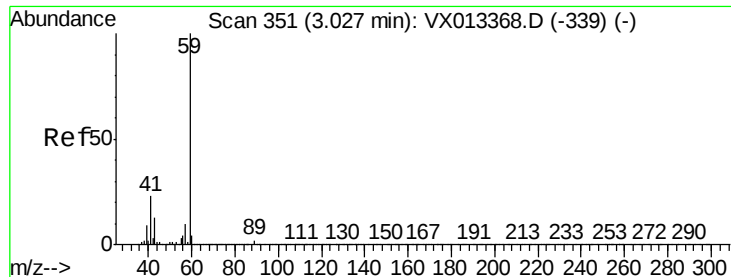
84 100

49 119.9 96.8 145.2

51 39.3 30.0 45.0

86 56.2 51.7 77.5



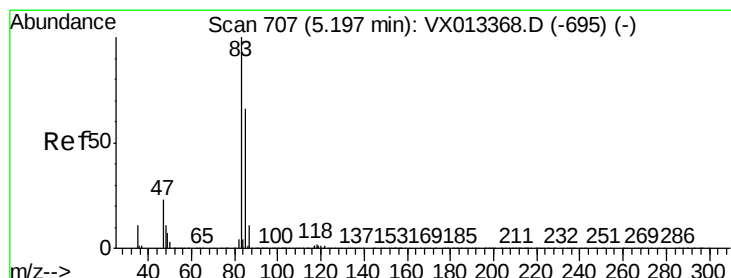
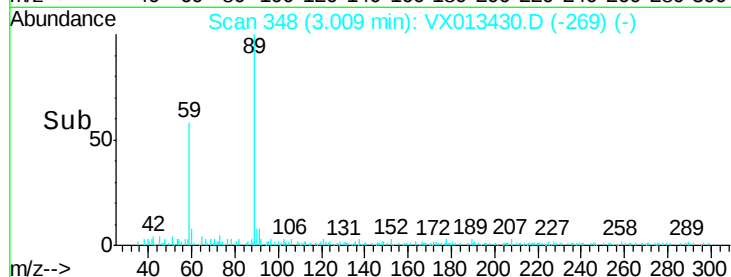
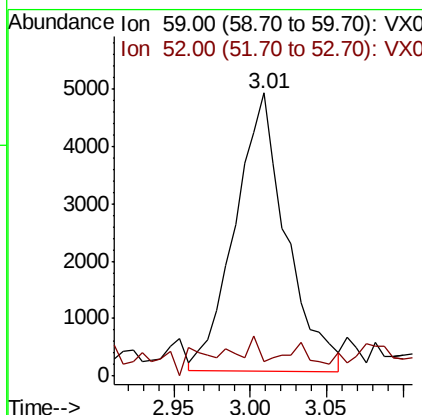
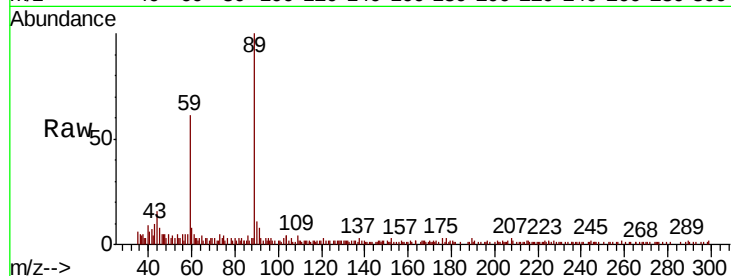


#23

tert-Butyl Alcohol
Concen: 5.584 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013430.D
Acq: 14 Nov 2019 18:53

Instrument :
MSVOA_X
ClientSampled :

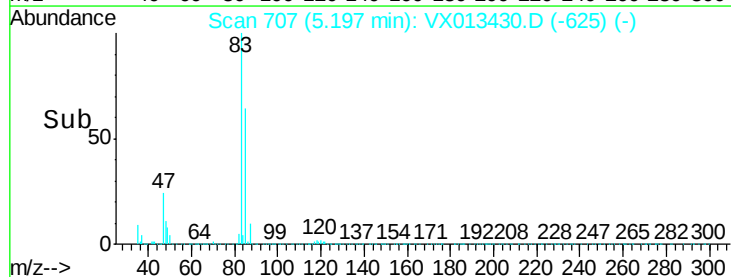
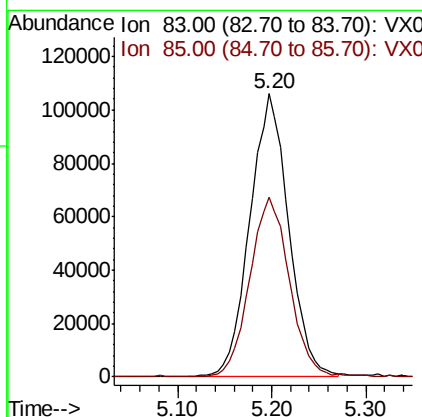
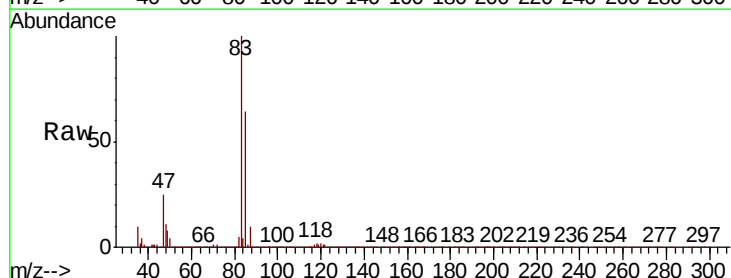
Tot Ion: 59 Resp: 11219
Ion Ratio Lower Upper
59 100
52 2.5 0.1 0.1#

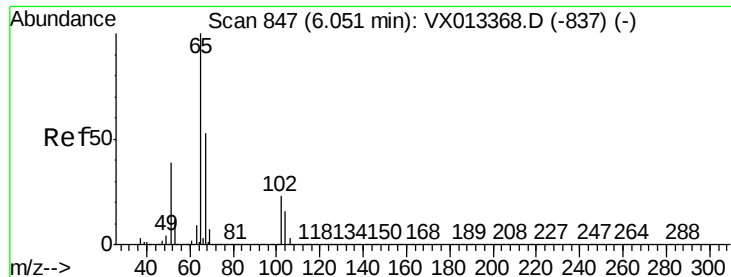


#25

Chloroform
Concen: 24.851 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013430.D
Acq: 14 Nov 2019 18:53

Tgt Ion: 83 Resp: 304137
Ion Ratio Lower Upper
83 100
85 63.3 52.4 78.6





#27

1,2-Dichloroethane-d4

Concen: 30.456 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Instrument :

MSVOA_X

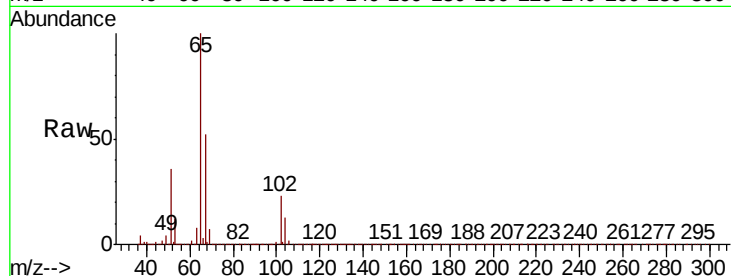
ClientSampleId :

Tot Ion: 65 Resp: 235927

Ion Ratio Lower Upper

65 100

67 52.1 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

100000

80000

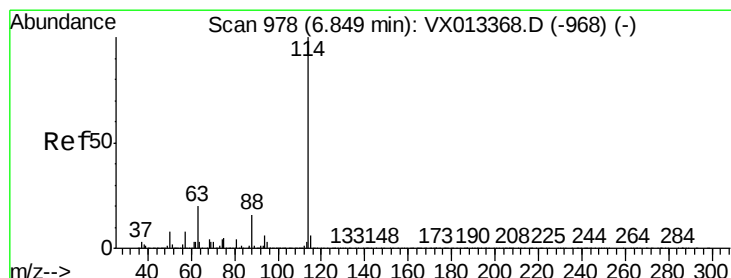
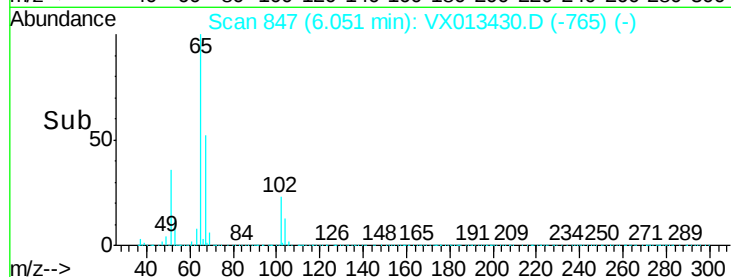
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

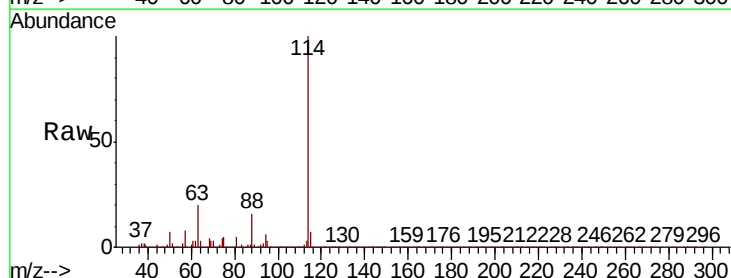
Tgt Ion: 114 Resp: 598249

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.4 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.85

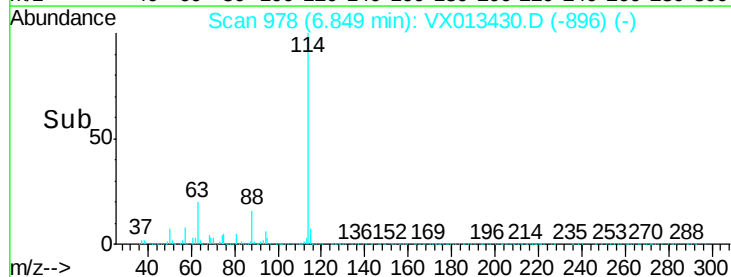
300000

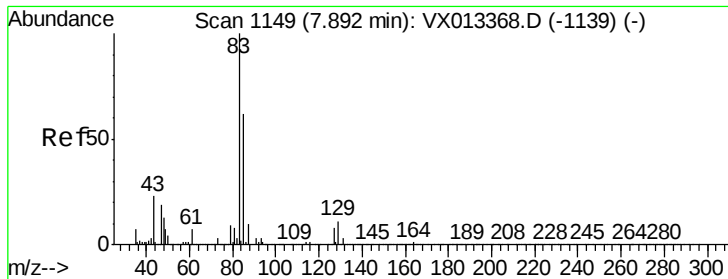
200000

100000

0

Time-->





#41

Bromodichloromethane

Concen: 4.138 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

Instrument :

MSVOA_X

ClientSampled :

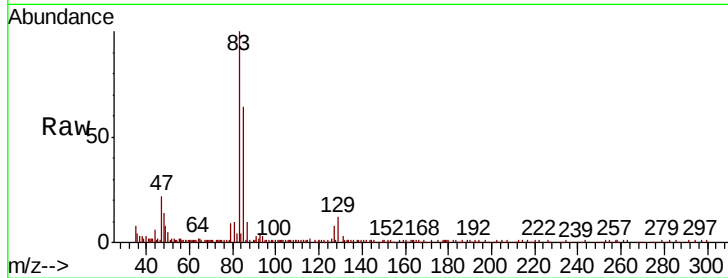
Tot Ion: 83 Resp: 38522

Ion Ratio Lower Upper

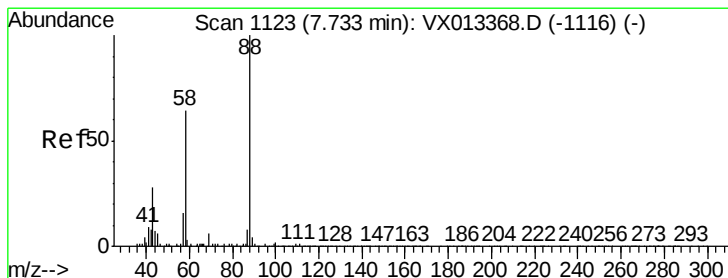
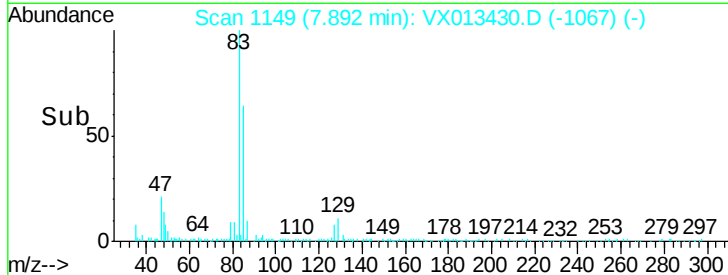
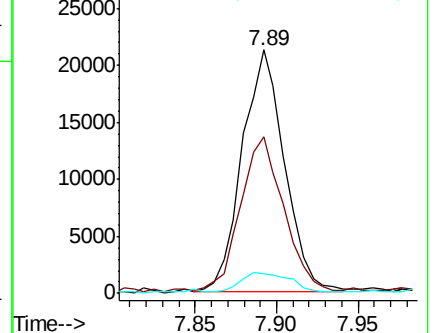
83 100

85 63.4 49.3 73.9

127 8.8 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#45

1,4-Dioxane

Concen: 0.912 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

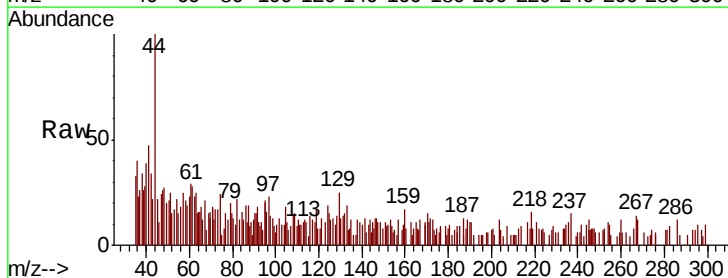
Tgt Ion: 88 Resp: 178

Ion Ratio Lower Upper

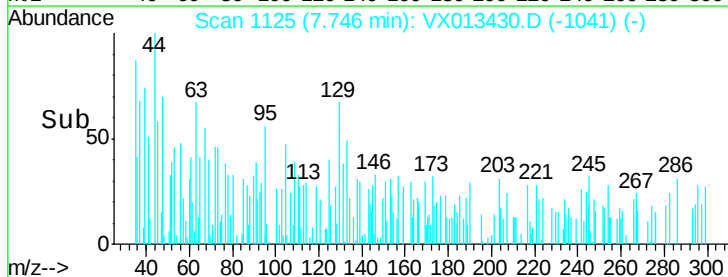
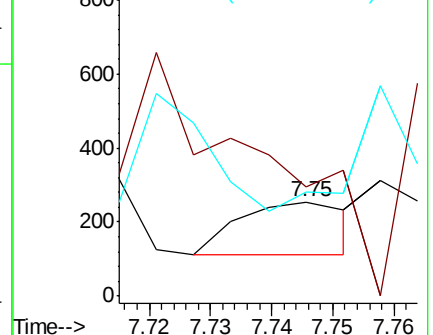
88 100

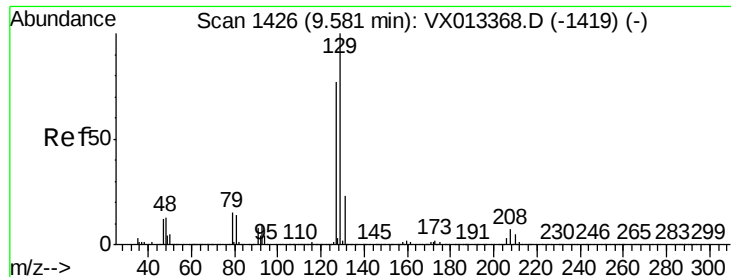
43 80.3 26.1 39.1#

58 173.6 55.8 83.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#53

Dibromochloromethane

Concen: 0.383 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

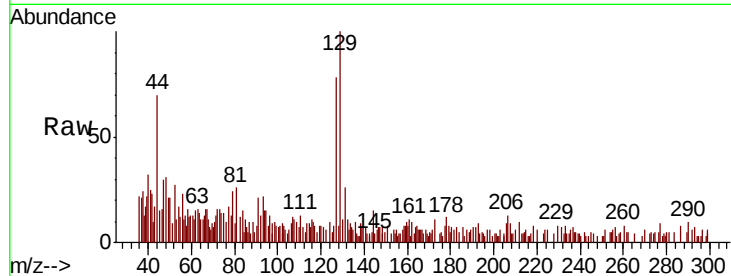
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 2865

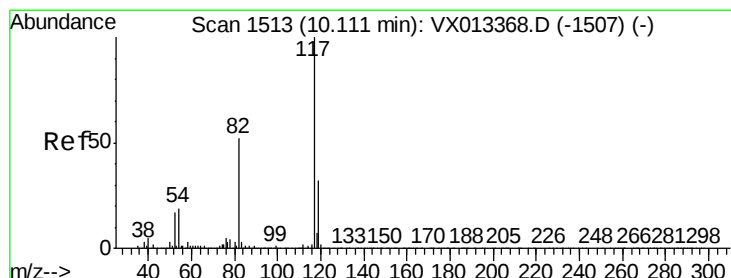
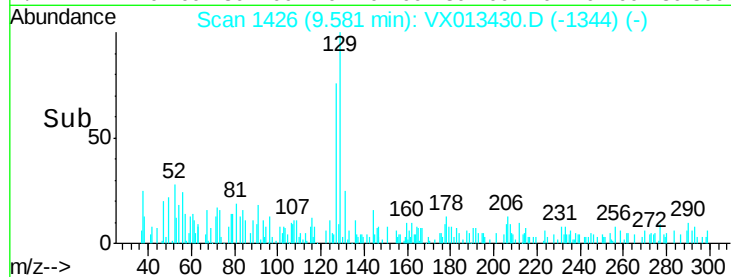
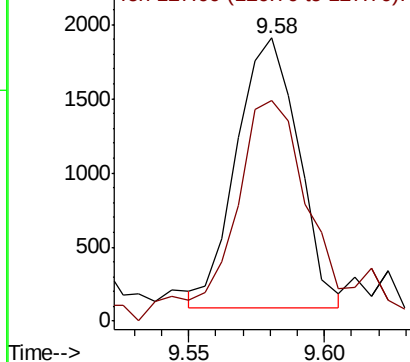
Ion Ratio Lower Upper

129 100

127 76.6 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013430.D

Acq: 14 Nov 2019 18:53

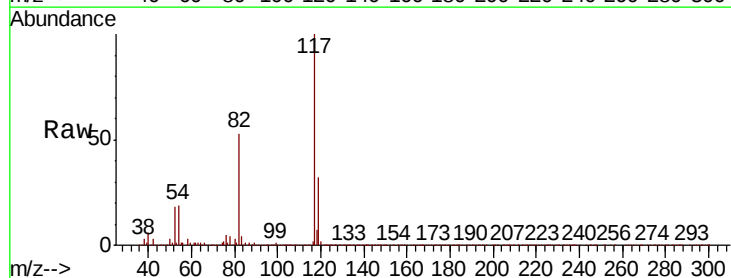
Tgt Ion:117 Resp: 522118

Ion Ratio Lower Upper

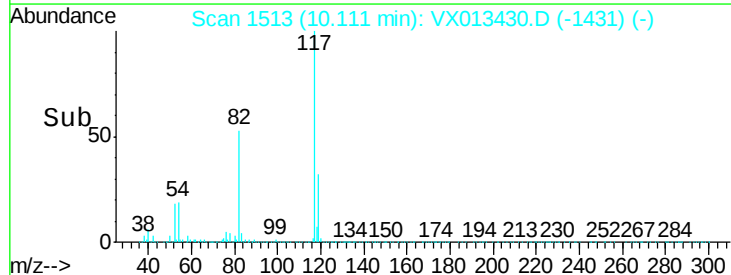
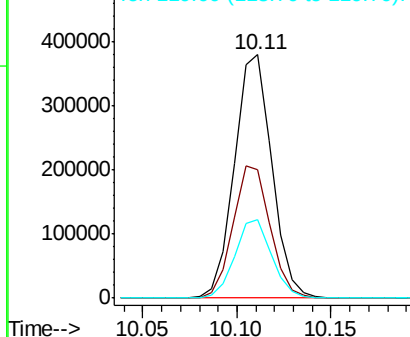
117 100

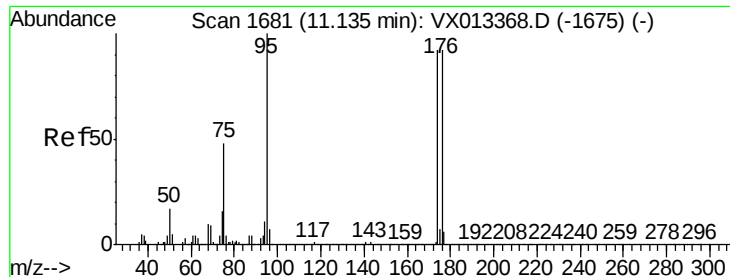
82 54.4 43.7 65.5

119 31.8 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

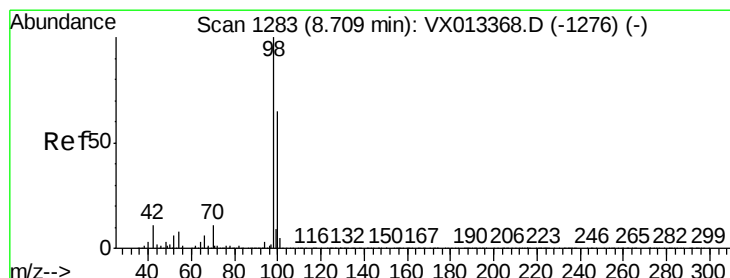
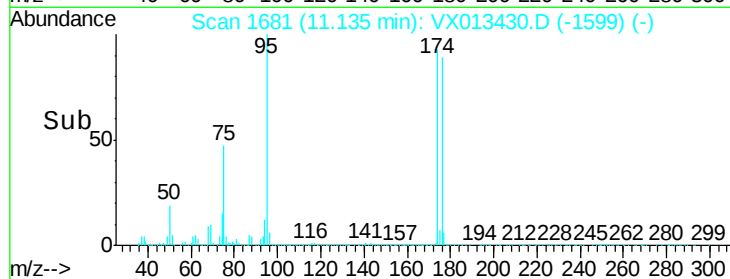
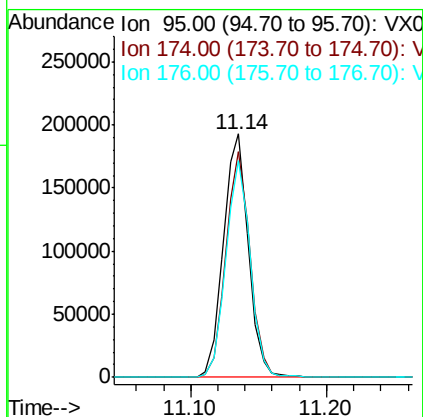
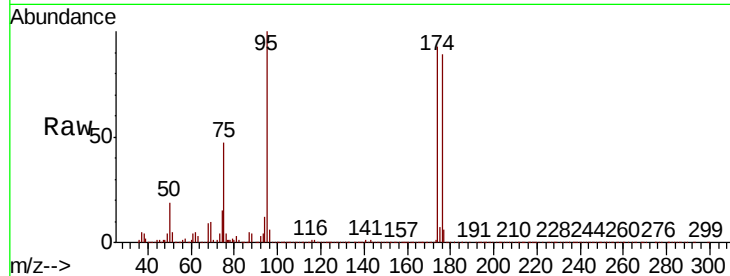




#60
4-Bromofluorobenzene
Concen: 29.093 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013430.D
Acq: 14 Nov 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.9	70.2	105.2
176	86.9	68.3	102.5



#63
Toluene-d8
Concen: 30.087 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013430.D
Acq: 14 Nov 2019 18:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

