

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013416.D
 Acq On : 14 Nov 2019 12:53
 Operator : JC/SP
 Sample : K5834-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:54:37 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	109852	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	606511	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	532372	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	236386	29.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.13%
60) 4-Bromofluorobenzene	11.13	95	242759	28.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.57%
63) Toluene-d8	8.71	98	729151	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

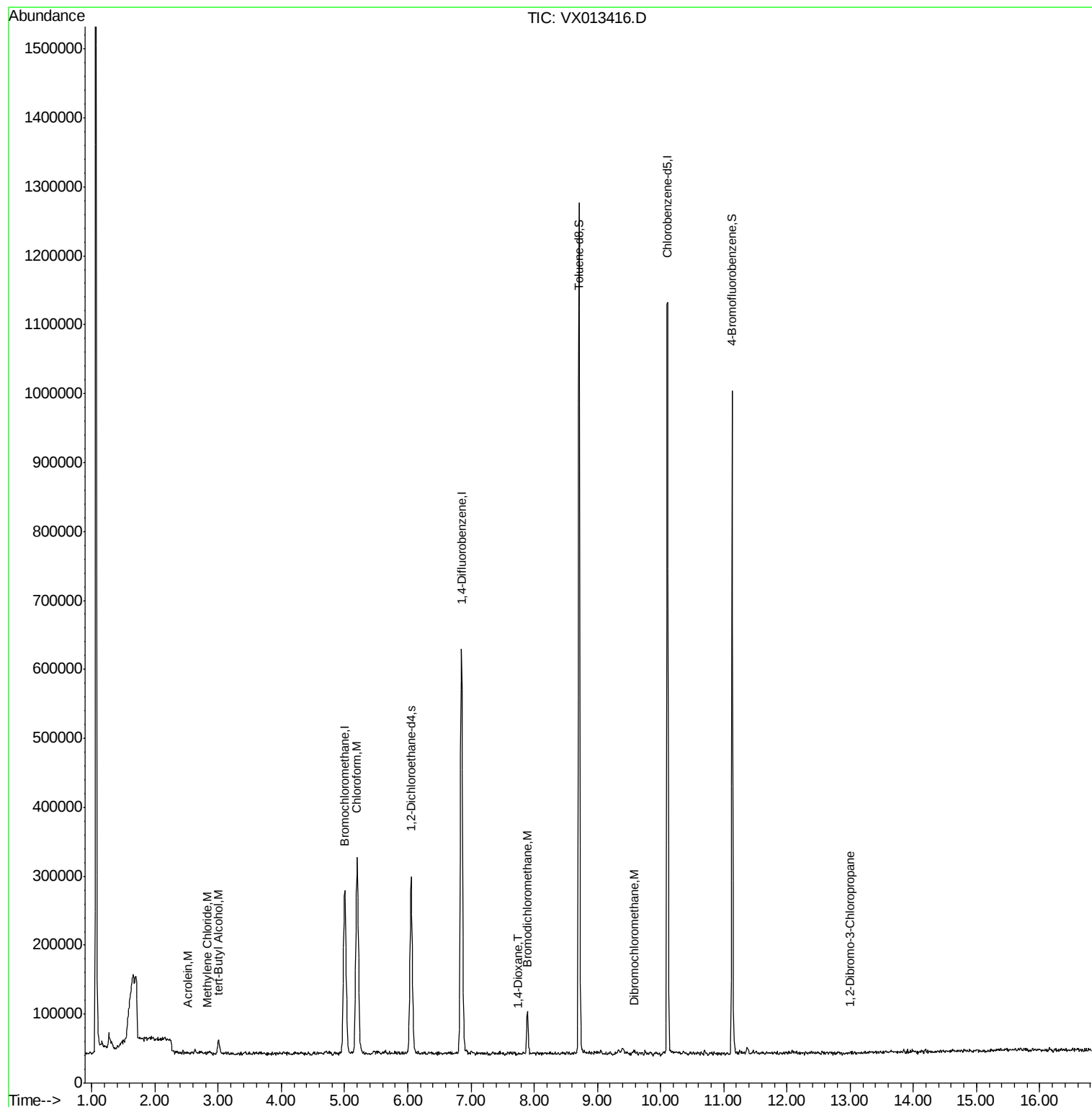
					Ovalue	
13) Acrolein	2.52	56	477	0.378	ug/l	95
18) Methylene Chloride	2.83	84	1657	0.215	ug/l #	61
23) tert-Butyl Alcohol	3.00	59	13059	6.207	ug/l #	100
25) Chloroform	5.20	83	334938	26.136	ug/l	97
41) Bromodichloromethane	7.89	83	41890	4.438	ug/l	96
45) 1,4-Dioxane	7.74	88	197	0.995	ug/l #	23
53) Dibromochloromethane	9.58	129	3464	0.457	ug/l	90
88) 1,2-Dibromo-3-Chloropropan	13.00	75	514	0.201	ug/l #	1

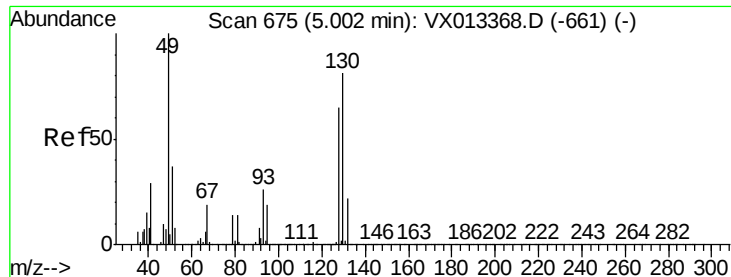
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX013416.D

Acq: 14 Nov 2019 12:53

Instrument :

MSVOA_X

ClientSampleId :

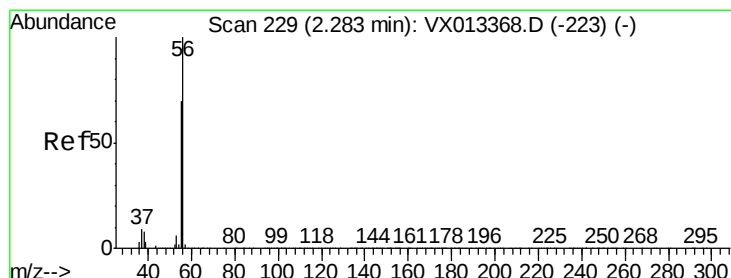
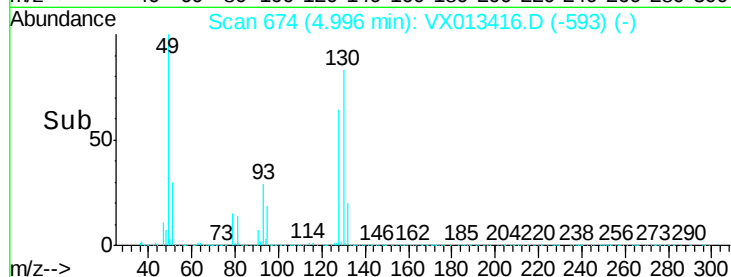
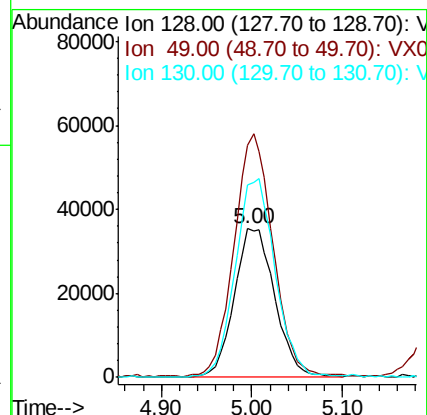
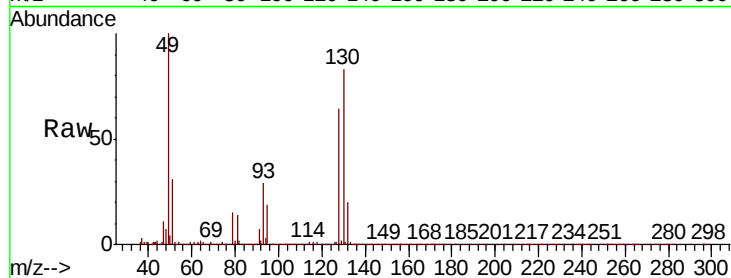
Tot Ion:128 Resp: 109852

Ion Ratio Lower Upper

128 100

49 158.9 0.0 388.3

130 131.4 0.0 318.5



#13

Acrolein

Concen: 0.378 ug/l

RT: 2.52 min Scan# 268

Delta R.T. 0.24 min

Lab File: VX013416.D

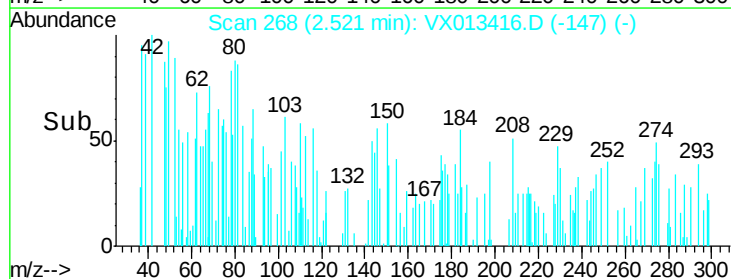
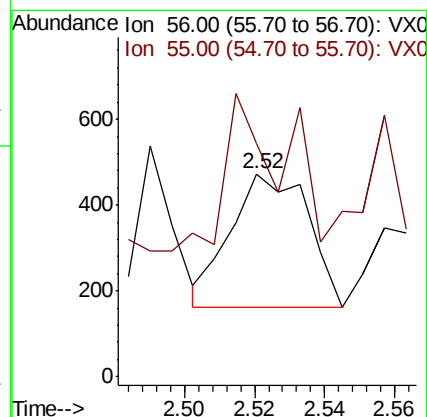
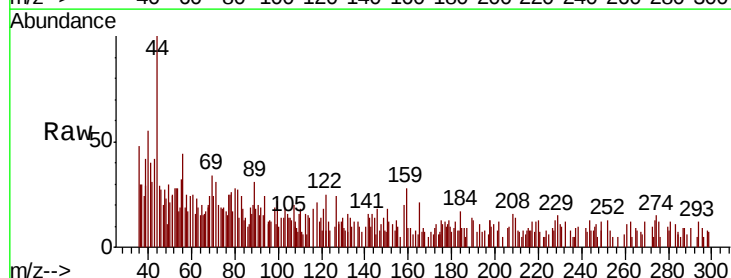
Acq: 14 Nov 2019 12:53

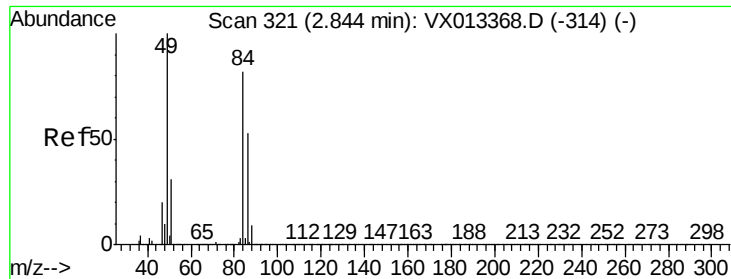
Tgt Ion: 56 Resp: 477

Ion Ratio Lower Upper

56 100

55 65.4 55.8 83.8

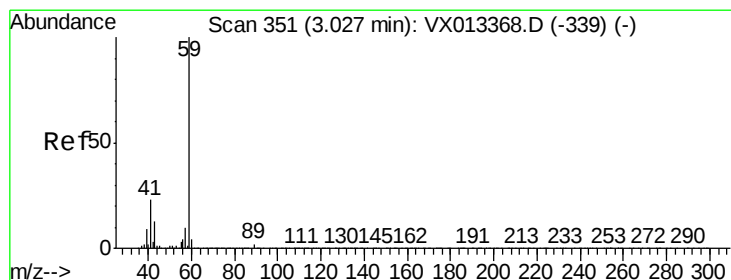
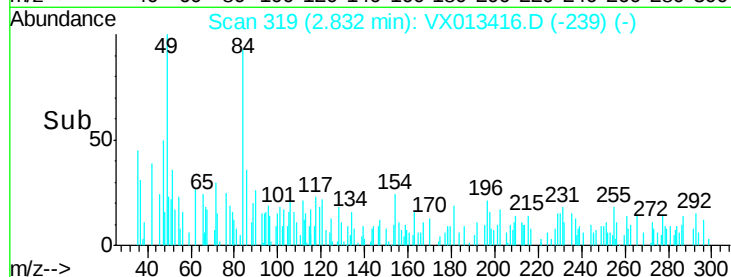
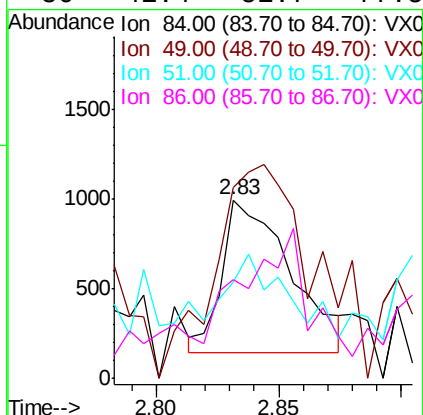
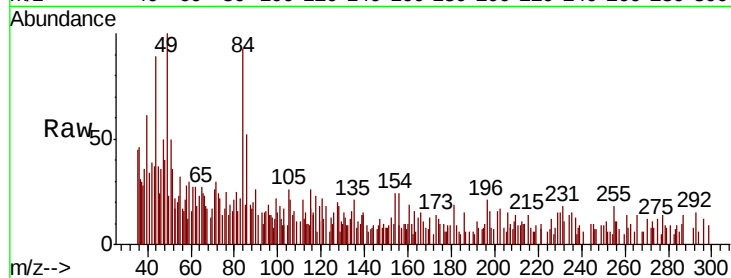




#18
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.01 min
Lab File: VX013416.D
Acq: 14 Nov 2019 12:53

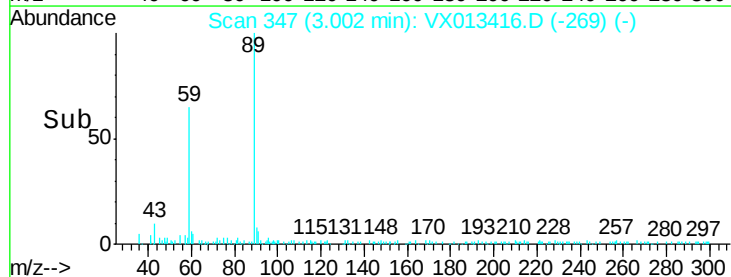
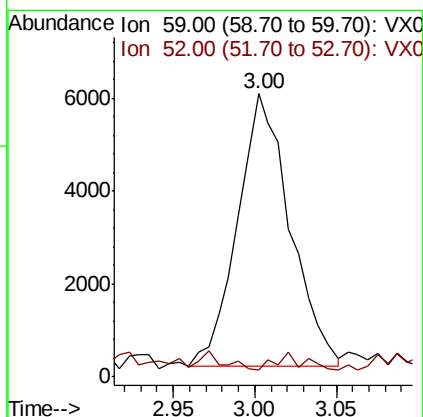
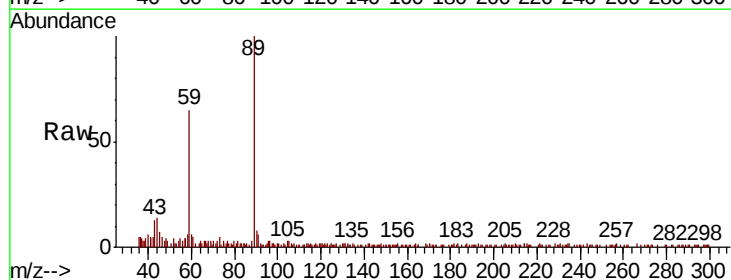
Instrument :
MSVOA_X
ClientSampleId :

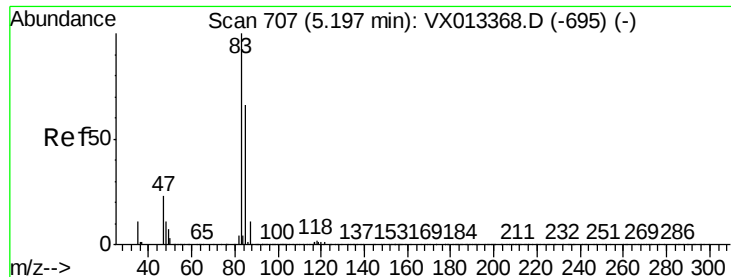
Tot Ion: 84 Resp: 1657
Ion Ratio Lower Upper
84 100
49 89.4 96.8 145.2#
51 90.3 30.0 45.0#
86 41.4 51.7 77.5#



#23
tert-Butyl Alcohol
Concen: 6.207 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX013416.D
Acq: 14 Nov 2019 12:53

Tgt Ion: 59 Resp: 13059
Ion Ratio Lower Upper
59 100
52 1.1 0.1 0.1#





#25

Chloroform

Concen: 26.136 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013416.D

Acq: 14 Nov 2019 12:53

Instrument :

MSVOA_X

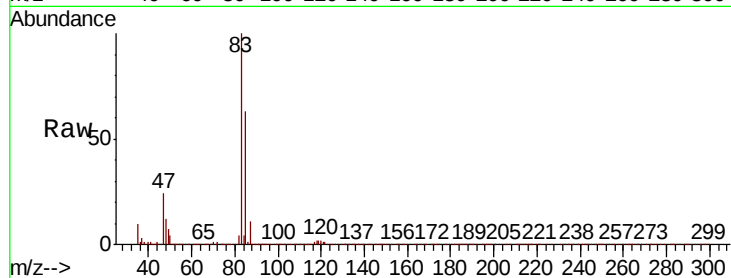
ClientSampleId :

Tot Ion: 83 Resp: 334938

Ion Ratio Lower Upper

83 100

85 63.0 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

120000

100000

80000

60000

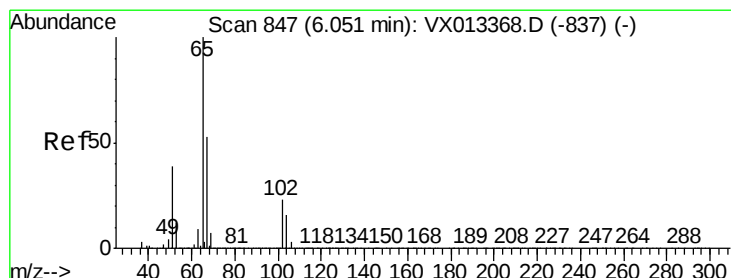
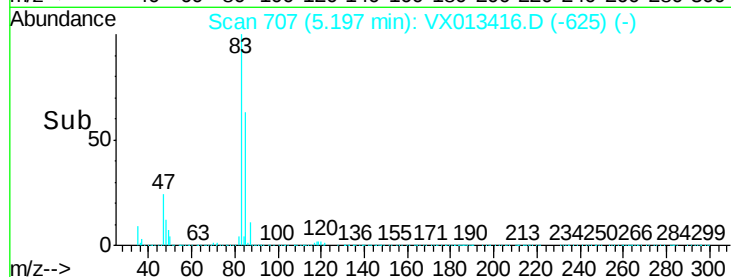
40000

20000

0

5.10 5.20 5.30

Time-->



#27

1,2-Dichloroethane-d4

Concen: 29.141 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013416.D

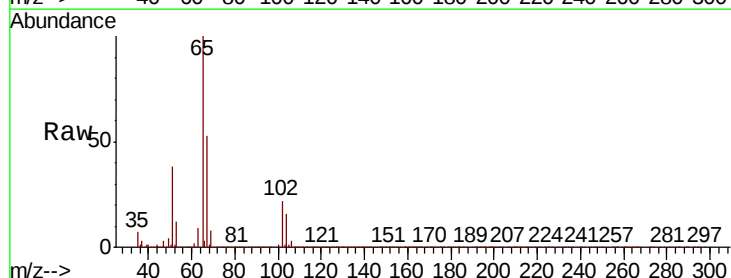
Acq: 14 Nov 2019 12:53

Tgt Ion: 65 Resp: 236386

Ion Ratio Lower Upper

65 100

67 53.2 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

100000

80000

60000

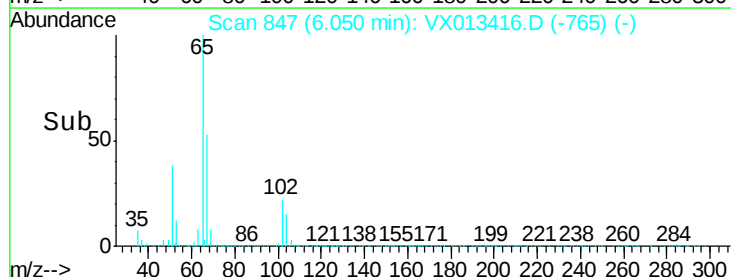
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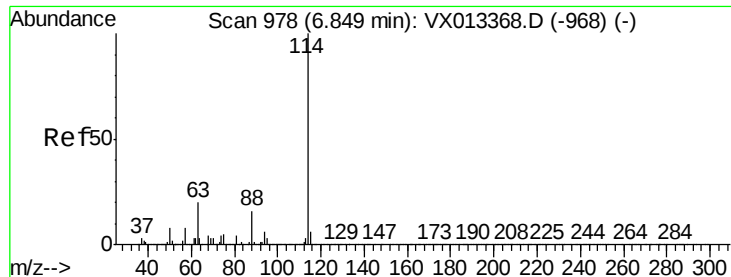
20000

0

6.00 6.10

Time-->

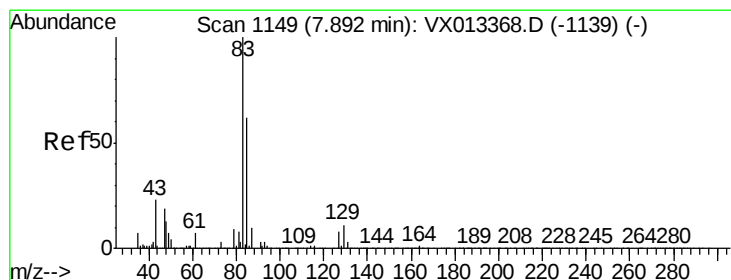
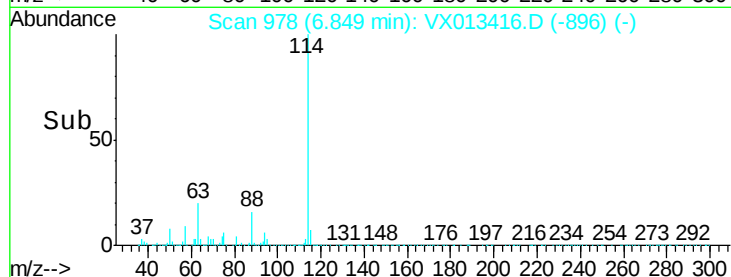
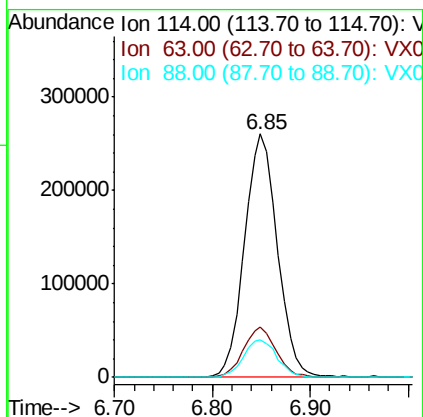
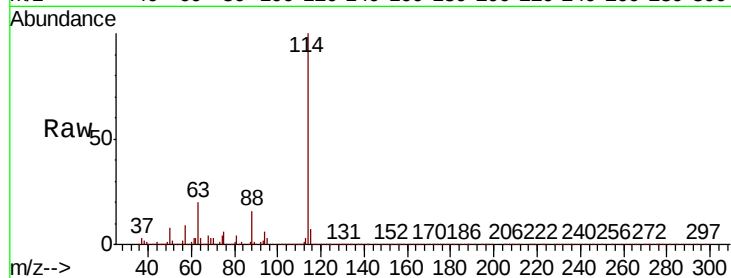




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013416.D
 Acq: 14 Nov 2019 12:53

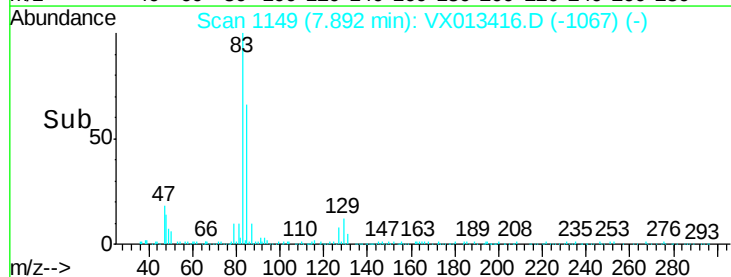
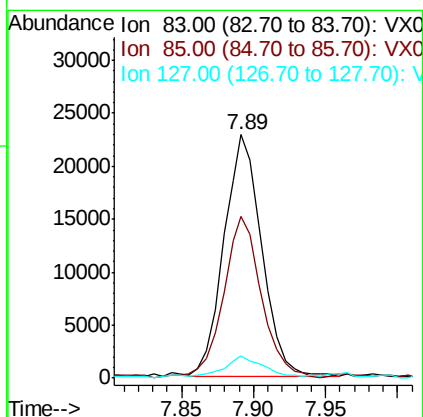
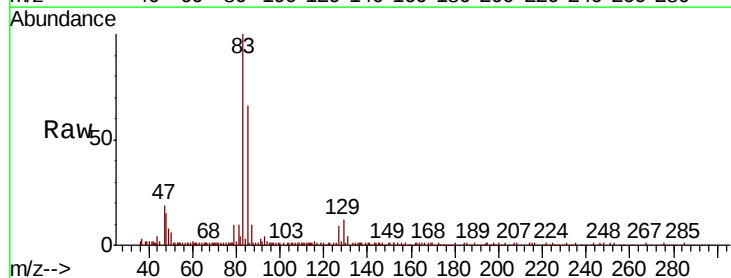
Instrument :
 MSVOA_X
 ClientSampleId :

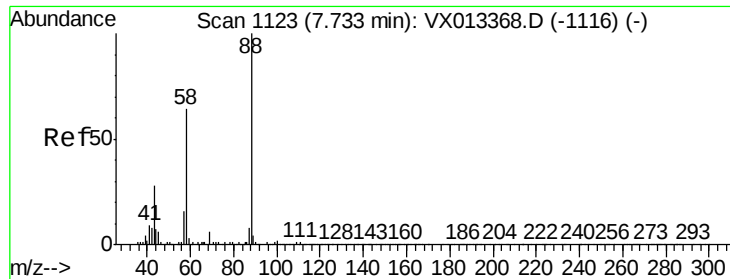
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	15.9	12.3	18.5



#41
 Bromodichloromethane
 Concen: 4.438 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013416.D
 Acq: 14 Nov 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.3	73.9
127	8.4	6.6	10.0

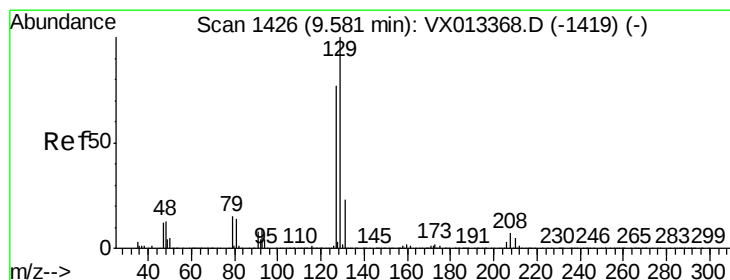
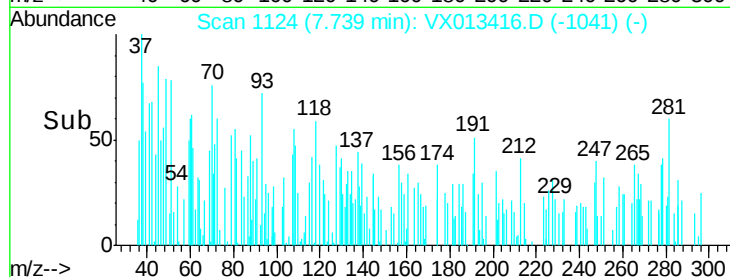
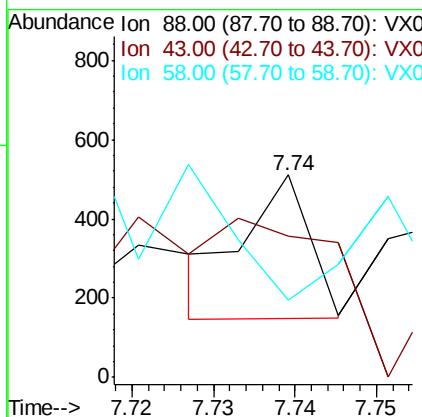
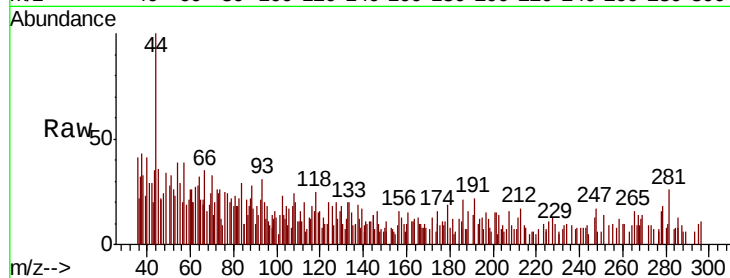




#45
1,4-Dioxane
Concen: 0.995 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013416.D
Acq: 14 Nov 2019 12:53

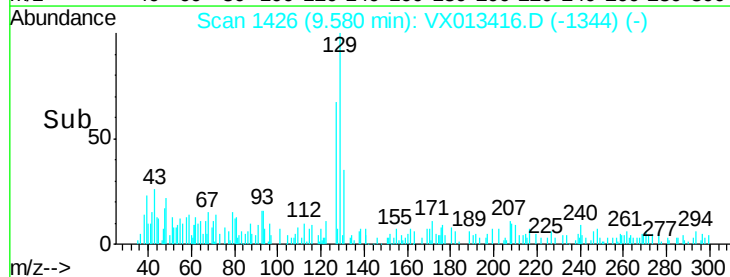
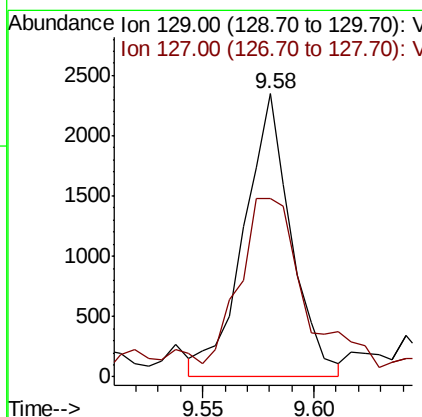
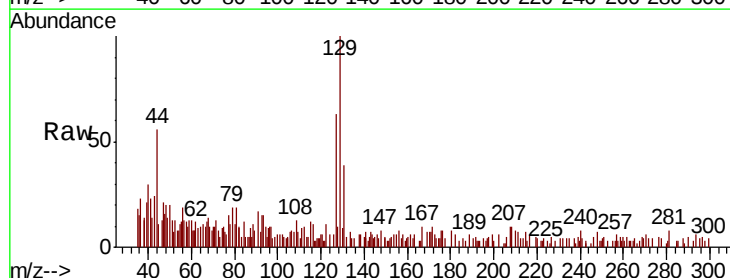
Instrument :
MSVOA_X
ClientSampled :

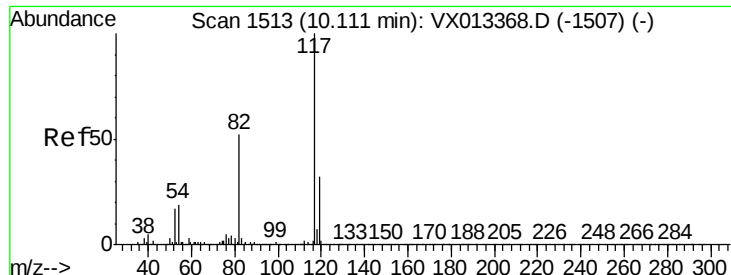
Tot Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 0.0 26.1 39.1#
58 0.0 55.8 83.8#



#53
Dibromochloromethane
Concen: 0.457 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. -0.00 min
Lab File: VX013416.D
Acq: 14 Nov 2019 12:53

Tgt Ion: 129 Resp: 3464
Ion Ratio Lower Upper
129 100
127 70.2 39.6 119.0

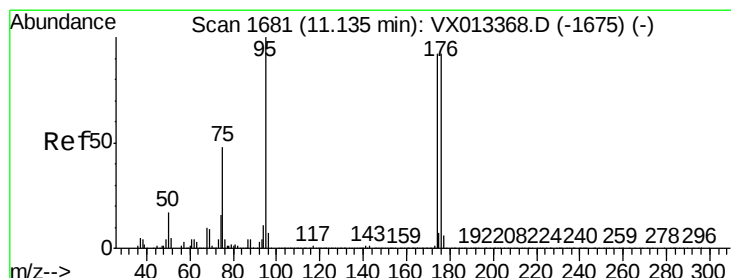
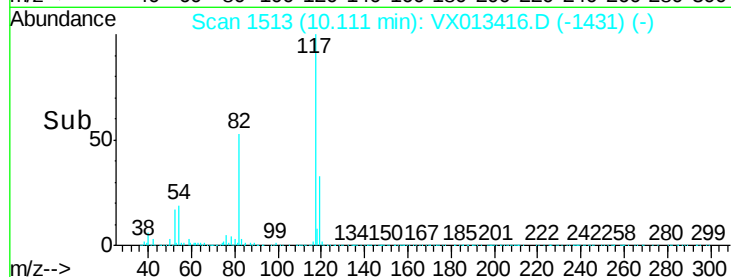
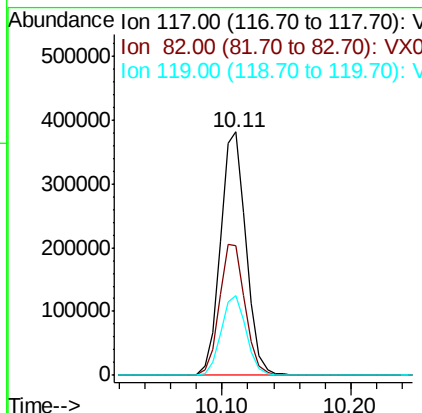
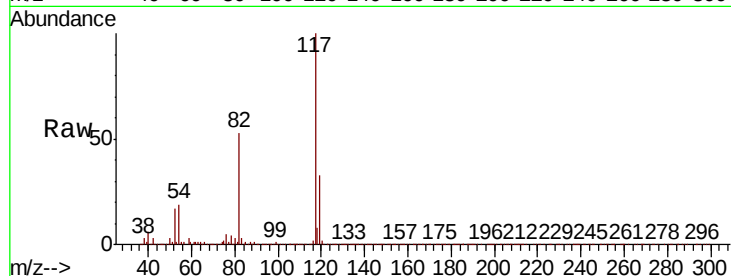




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013416.D
Acq: 14 Nov 2019 12:53

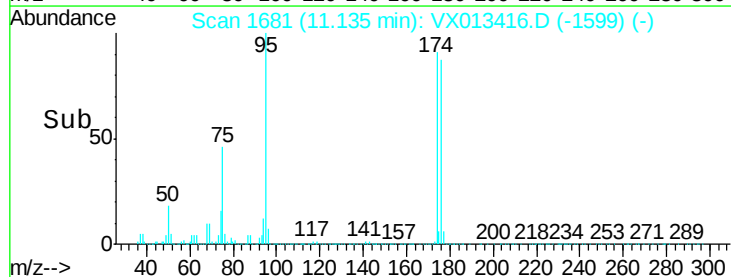
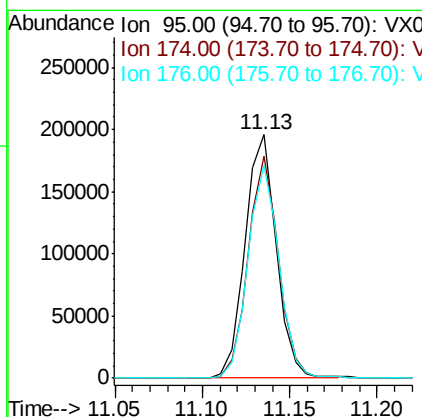
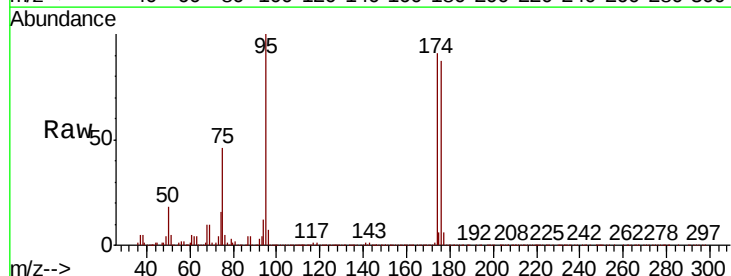
Instrument :
MSVOA_X
ClientSampled :

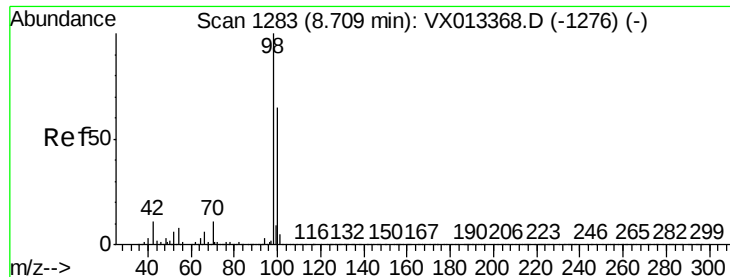
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.7	65.5
119	32.3	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 28.371 ug/l
RT: 11.13 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013416.D
Acq: 14 Nov 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	70.2	105.2
176	86.5	68.3	102.5





#63

Toluene-d8

Concen: 30.288 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013416.D

Acq: 14 Nov 2019 12:53

Instrument :

MSVOA_X

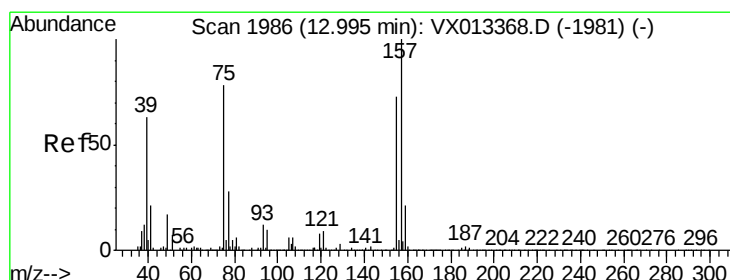
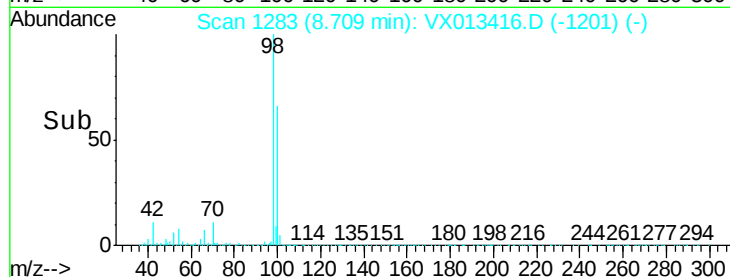
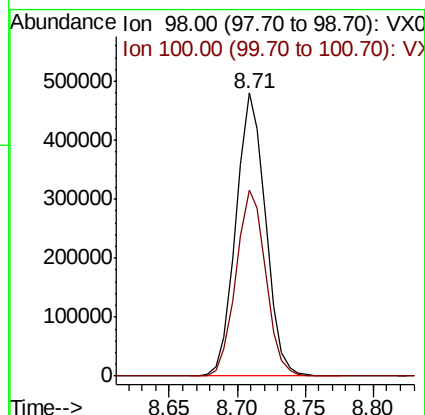
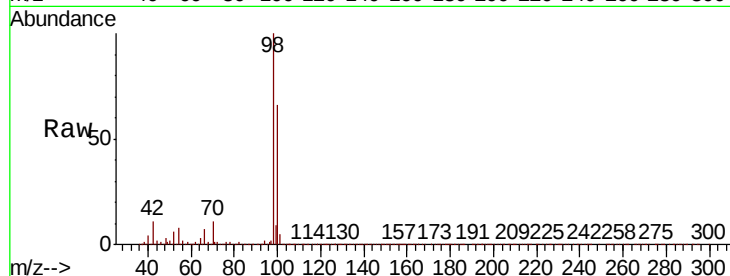
ClientSampled :

Tot Ion: 98 Resp: 729151

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.201 ug/l

RT: 13.00 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VX013416.D

Acq: 14 Nov 2019 12:53

Tgt Ion: 75 Resp: 514

Ion Ratio Lower Upper

75 100

155 0.0 76.9 115.3#

157 3.1 101.2 151.8#

