

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041020\
 Data File : VX015614.D
 Acq On : 10 Apr 2020 12:33
 Operator : JC/SP
 Sample : VX0410WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 11 00:19:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	191918	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1098813	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	999210	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	477556	31.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.13%
60) 4-Bromofluorobenzene	11.12	95	507771	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	8.70	98	1288619	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

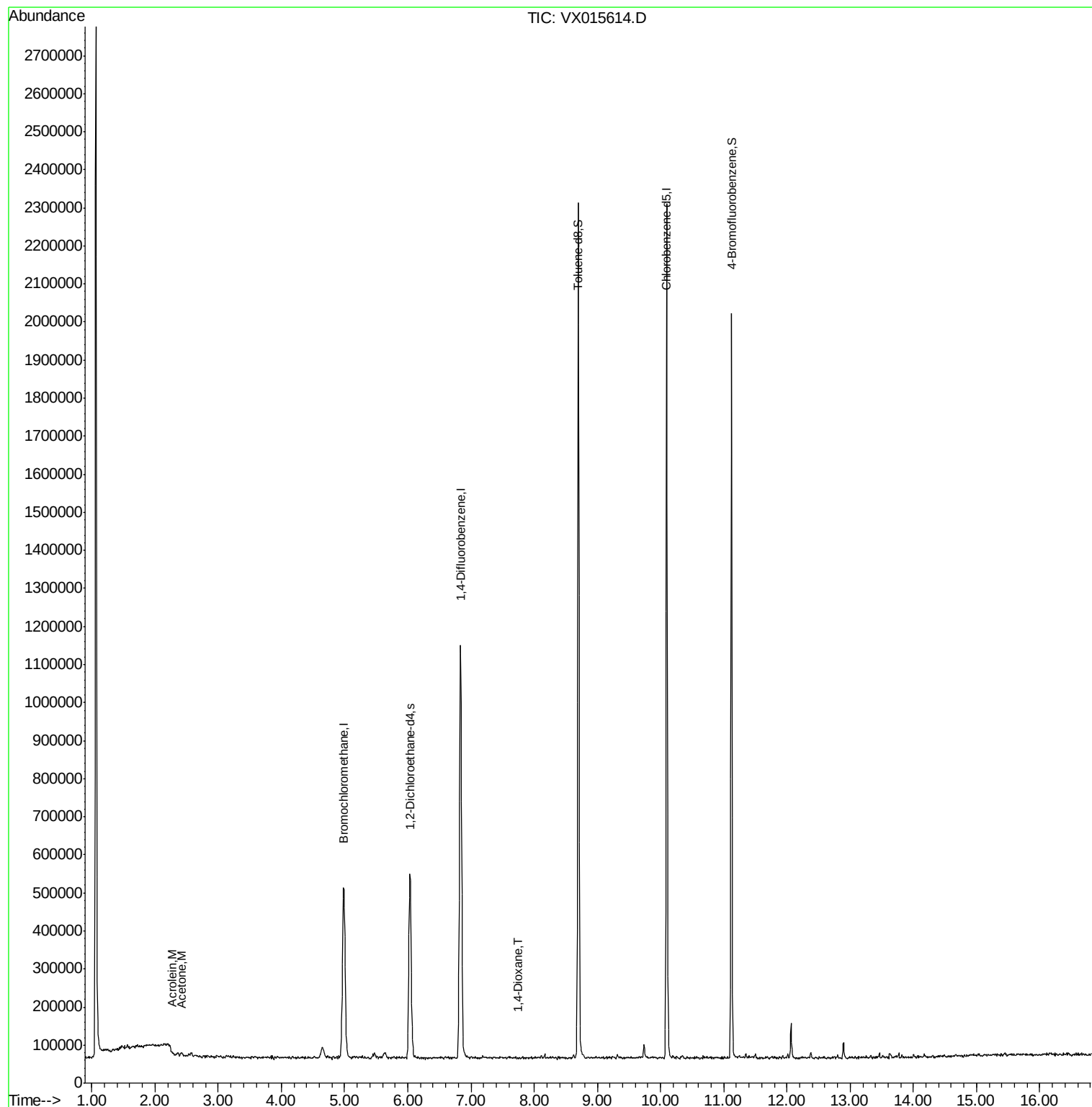
					Ovalue
13) Acrolein	2.28	56	619	0.311 ug/l	85
15) Acetone	2.42	58	3401	2.043 ug/l	81
45) 1,4-Dioxane	7.73	88	477	1.495 ug/l #	11

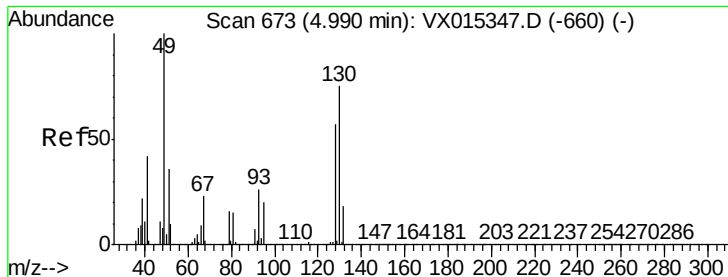
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.01 min

Lab File: VX015614.D

Acq: 10 Apr 2020 12:33

Instrument :

MSVOA_X

ClientSampled :

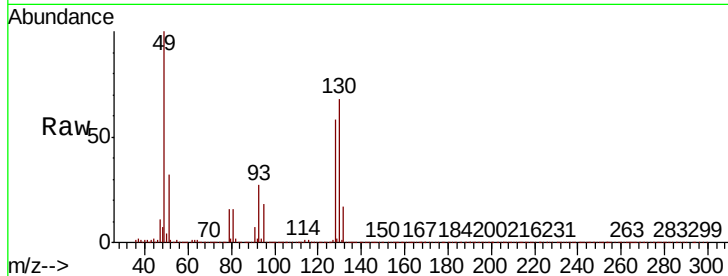
Tot Ion:128 Resp: 191918

Ion Ratio Lower Upper

128 100

49 172.8 0.0 428.0

130 127.4 0.0 324.5



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

150000

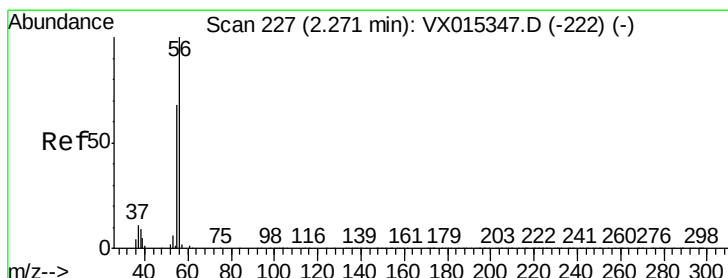
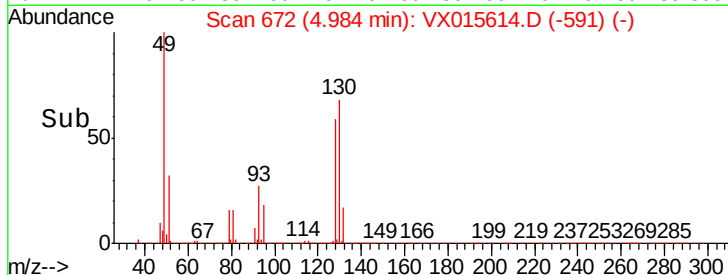
100000

50000

0

4.90 5.00 5.10

Time-->



#13

Acrolein

Concen: 0.311 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.01 min

Lab File: VX015614.D

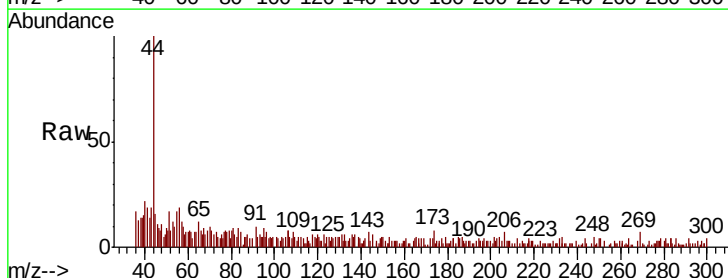
Acq: 10 Apr 2020 12:33

Tgt Ion: 56 Resp: 619

Ion Ratio Lower Upper

56 100

55 54.8 53.5 80.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

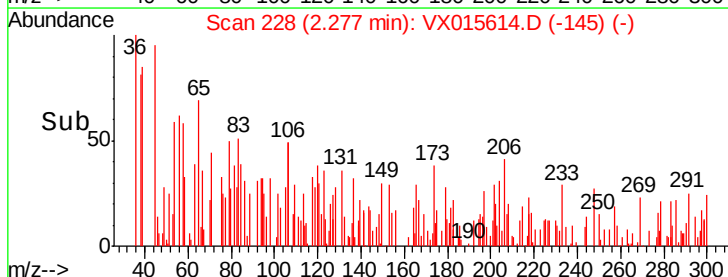
1000

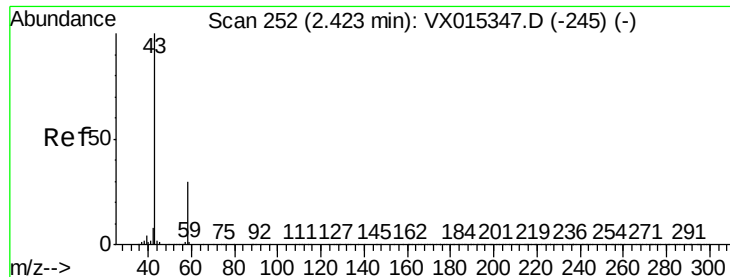
500

0

2.26 2.27 2.28

Time-->





#15

Acetone

Concen: 2.043 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.00 min

Lab File: VX015614.D

Acq: 10 Apr 2020 12:33

Instrument :

MSVOA_X

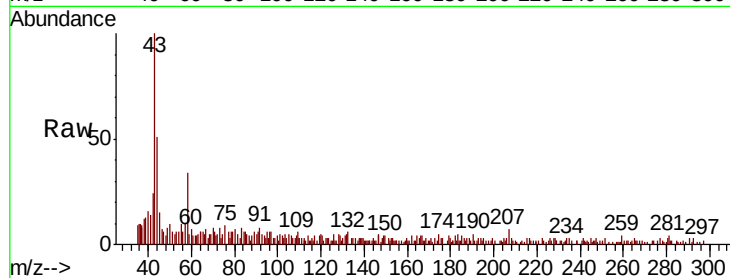
ClientSampleId :

Tot Ion: 58 Resp: 3401

Ion Ratio Lower Upper

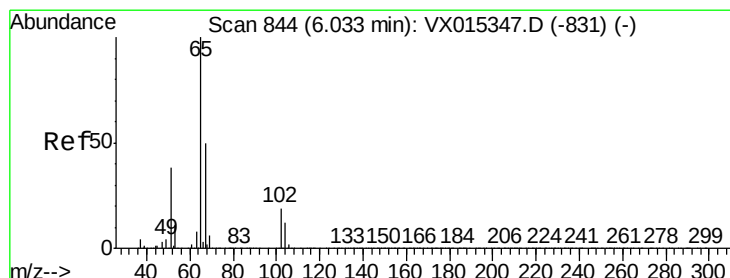
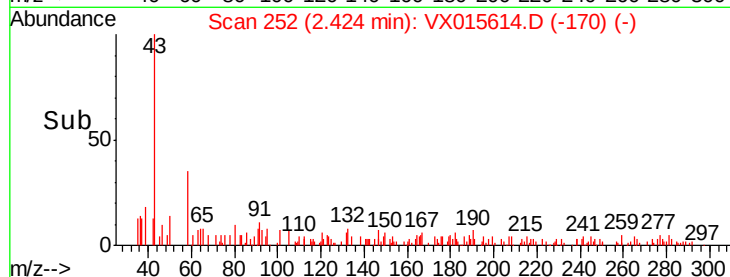
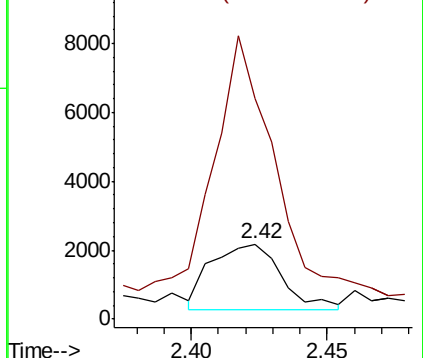
58 100

43 294.6 267.8 401.8



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 31.844 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015614.D

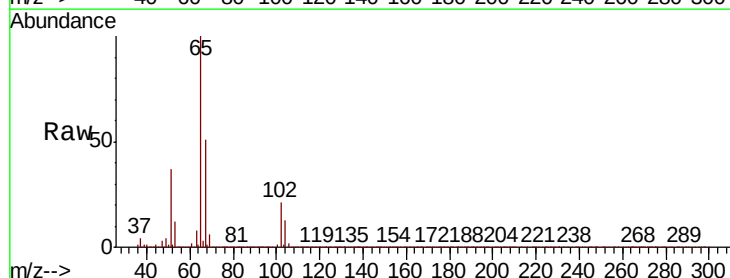
Acq: 10 Apr 2020 12:33

Tgt Ion: 65 Resp: 477556

Ion Ratio Lower Upper

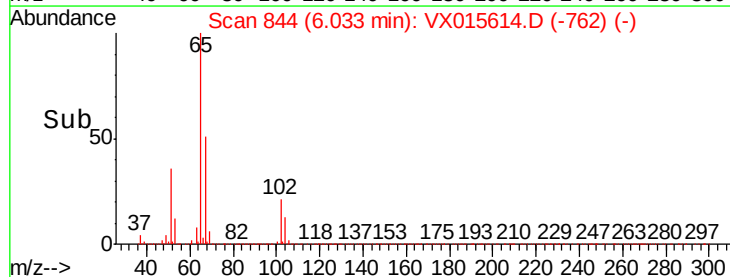
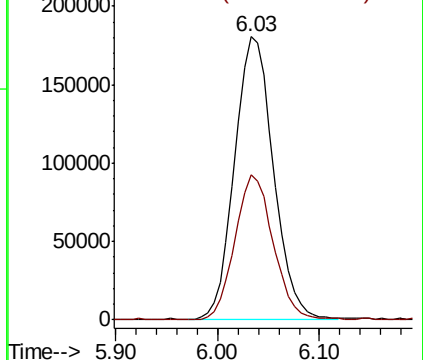
65 100

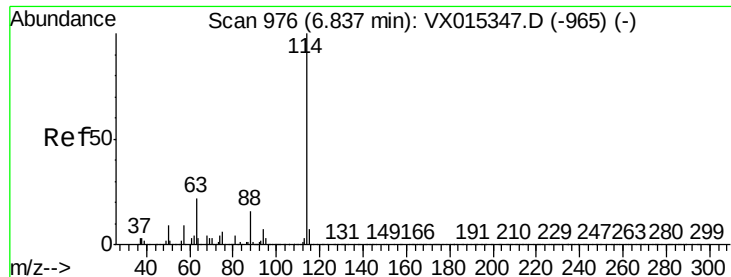
67 50.0 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

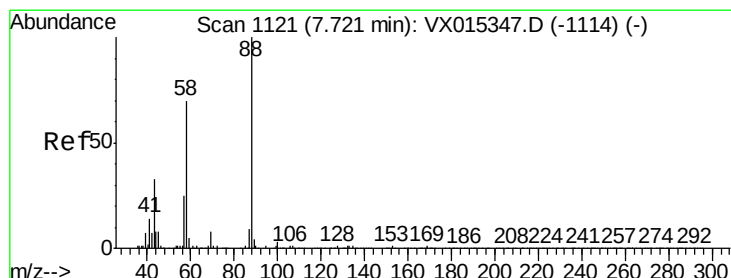
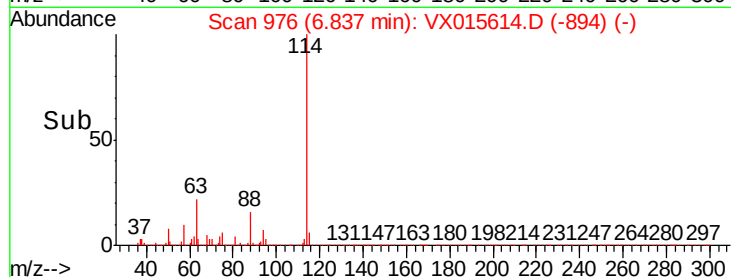
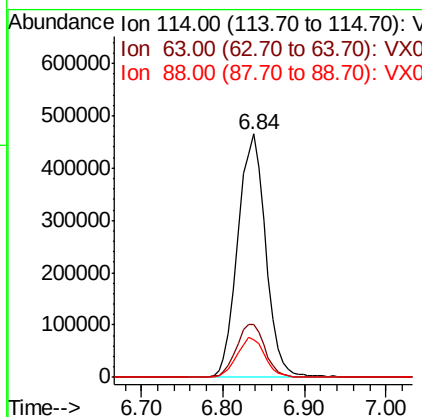
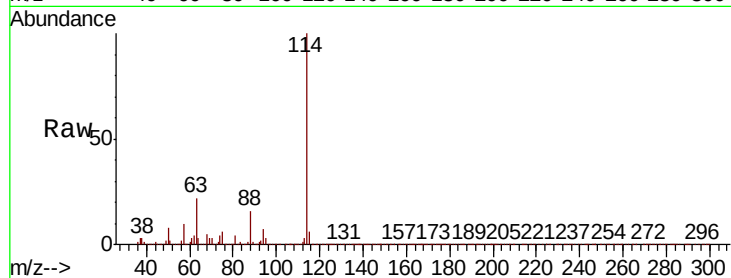




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015614.D
 Acq: 10 Apr 2020 12:33

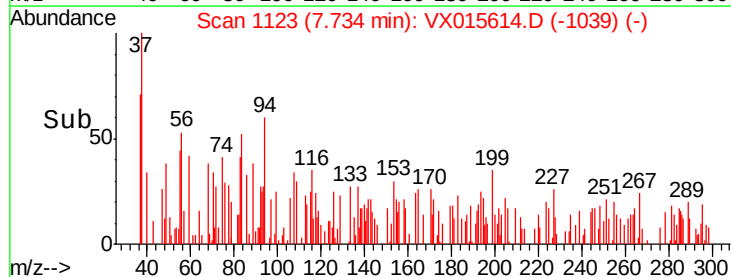
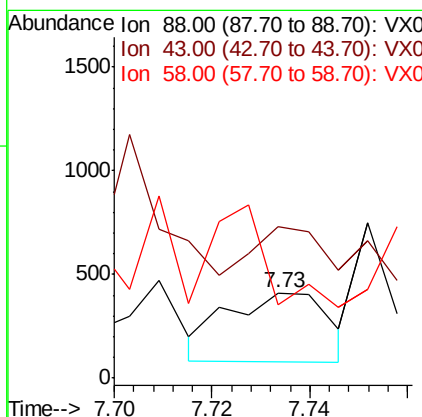
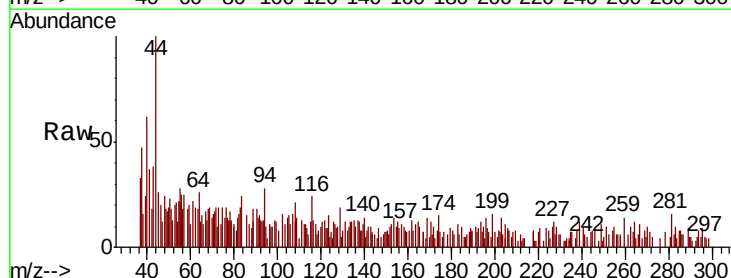
Instrument :
 MSVOA_X
 ClientSampleId :

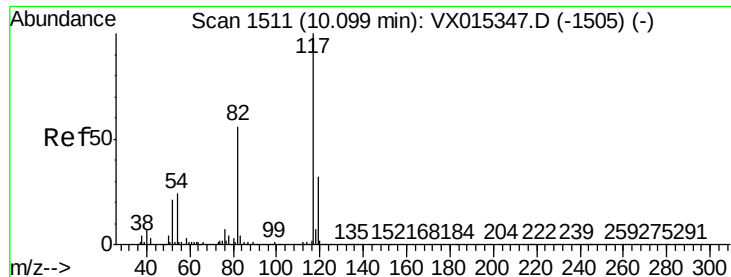
Tot Ion:114 Resp: 1098813
 Ion Ratio Lower Upper
 114 100
 63 22.1 17.4 26.2
 88 16.2 12.9 19.3



#45
 1,4-Dioxane
 Concen: 1.495 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VX015614.D
 Acq: 10 Apr 2020 12:33

Tgt Ion: 88 Resp: 477
 Ion Ratio Lower Upper
 88 100
 43 173.0 32.1 48.1#
 58 91.4 59.4 89.0#

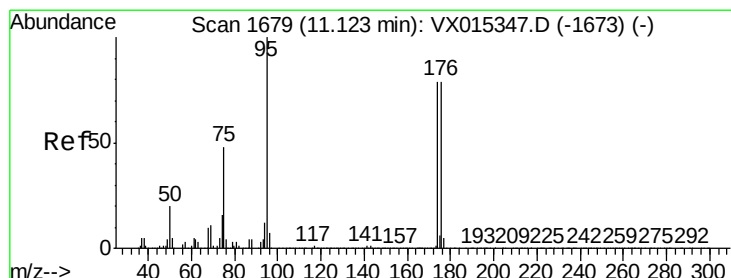
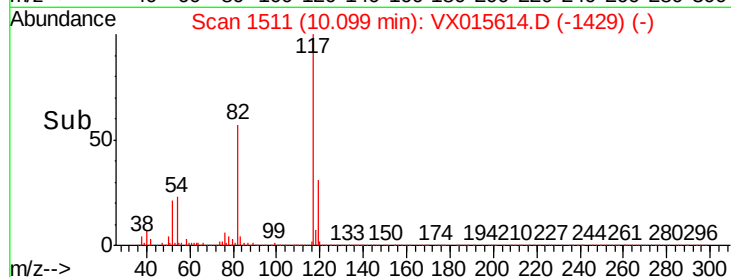
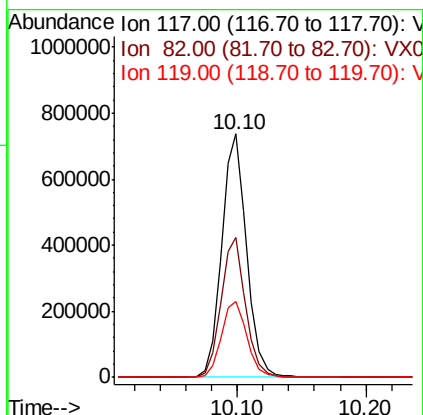
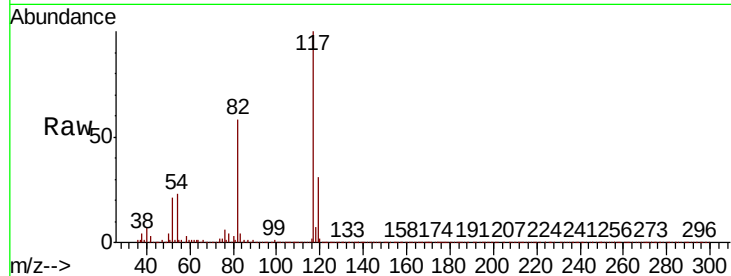




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015614.D
Acq: 10 Apr 2020 12:33

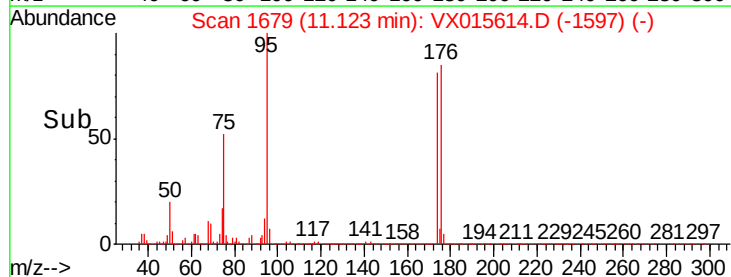
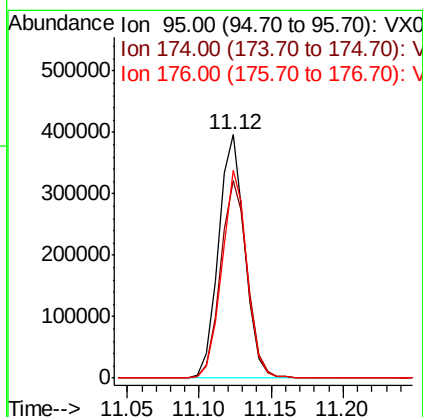
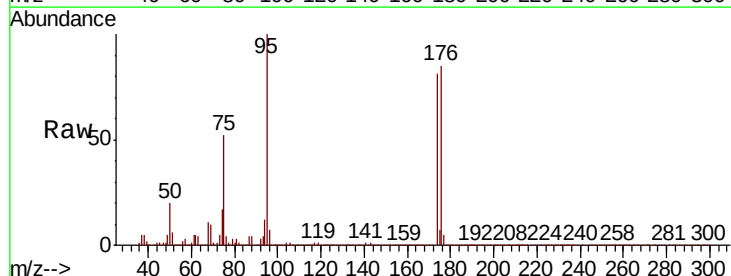
Instrument :
MSVOA_X
ClientSampleId :

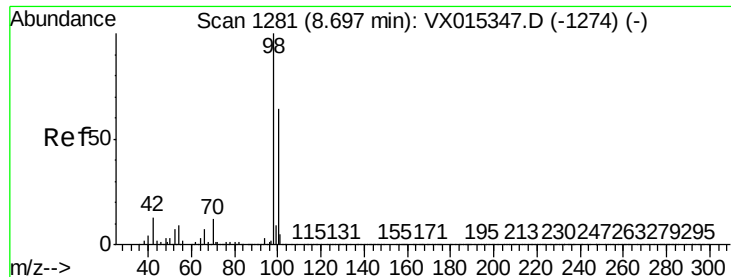
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.0	67.6
119	32.0	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 29.694 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015614.D
Acq: 10 Apr 2020 12:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	66.4	99.6
176	82.1	64.1	96.1





#63

Toluene-d8

Concen: 30.354 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015614.D

Acq: 10 Apr 2020 12:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 1288619

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2

