

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014697.D
 Acq On : 24 Jan 2020 15:08
 Operator : JC/SP
 Sample : L1232-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-25

Quant Time: Jan 24 22:56:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	67830	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	362359	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	326193	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.05	65	153378	32.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.23%
60) 4-Bromofluorobenzene	11.14	95	141552	27.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.40%
63) Toluene-d8	8.71	98	440229	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

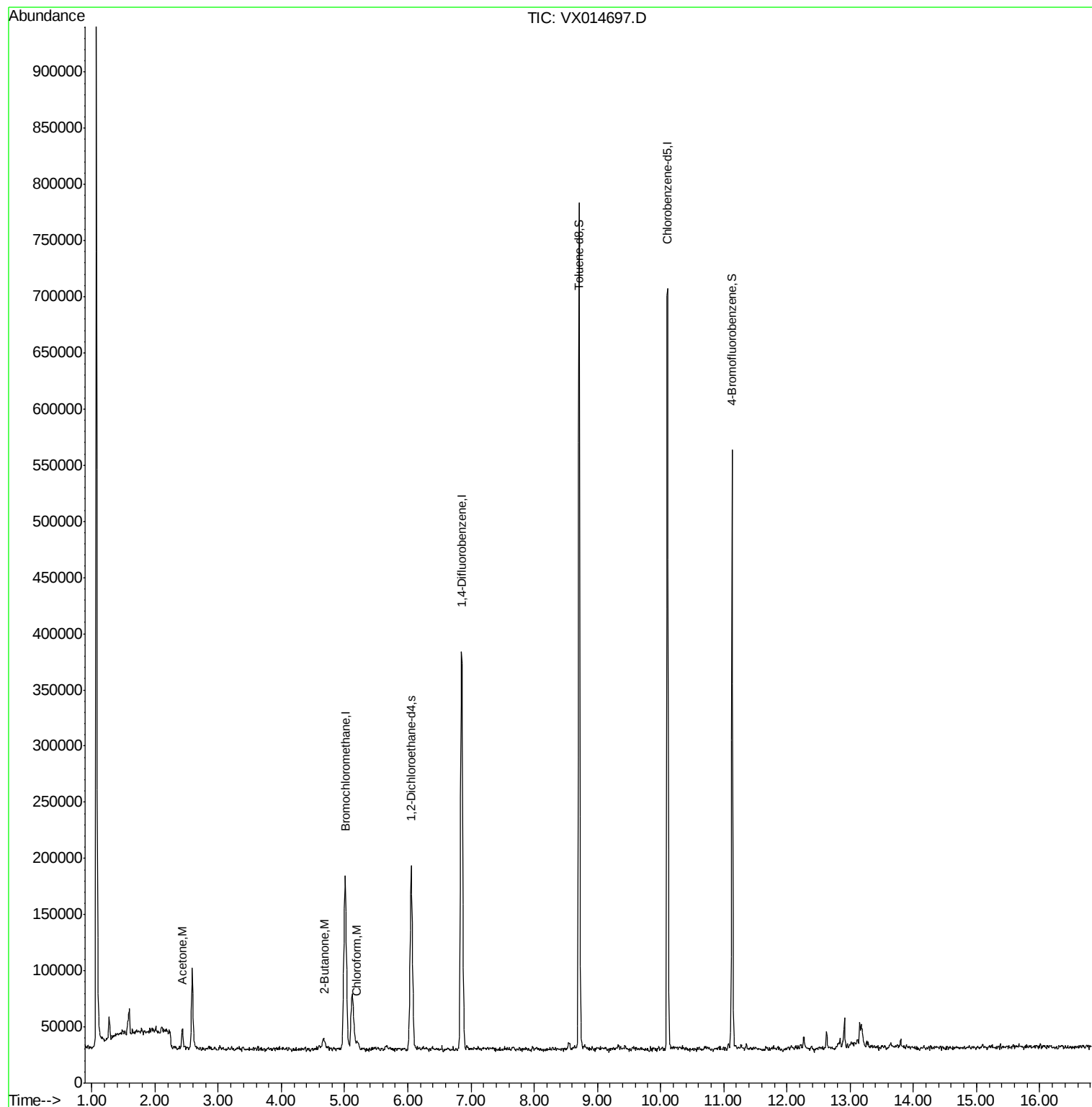
Target Compounds					Ovalue
15) Acetone	2.44	58	5964	7.665	ug/l 99
25) Chloroform	5.20	83	6325	0.874	ug/l 92
30) 2-Butanone	4.67	43	16809	4.993	ug/l # 90

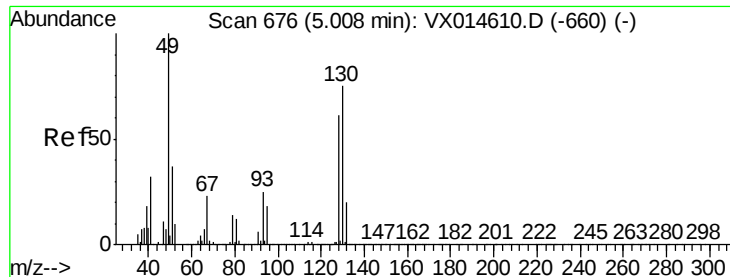
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

55-ST-25

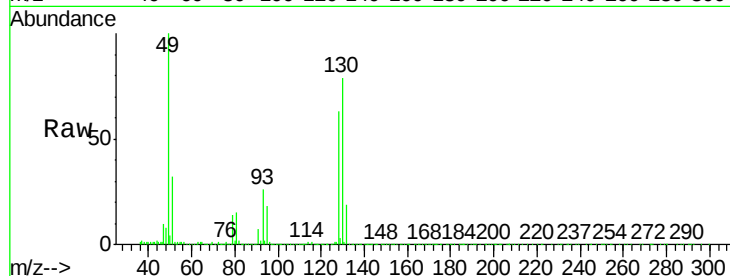
Tot Ion:128 Resp: 67830

Ion Ratio Lower Upper

128 100

49 163.3 0.0 405.0

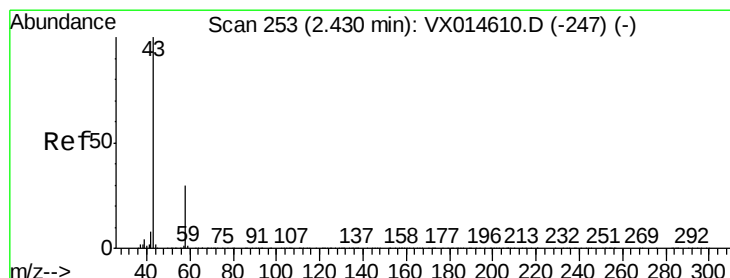
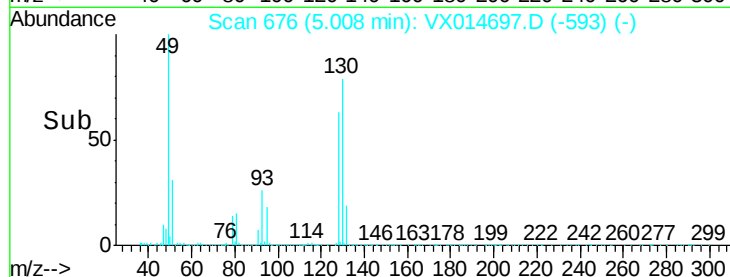
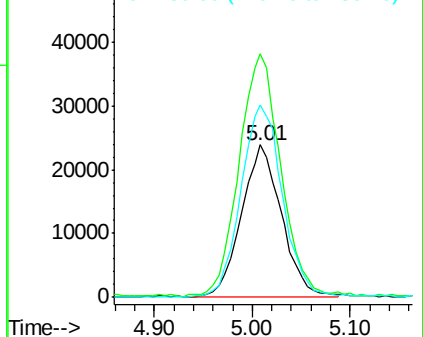
130 130.8 0.0 321.5



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



#15

Acetone

Concen: 7.665 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014697.D

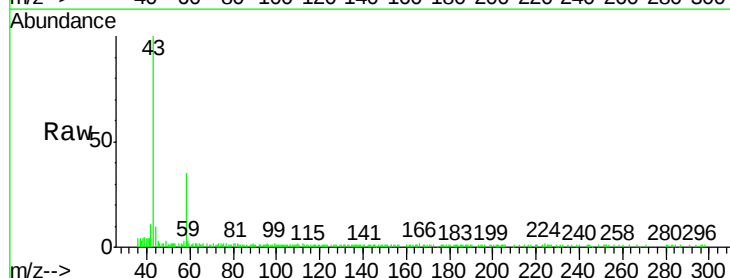
Acq: 24 Jan 2020 15:08

Tgt Ion: 58 Resp: 5964

Ion Ratio Lower Upper

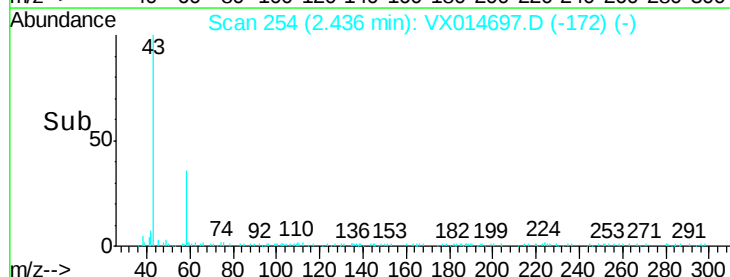
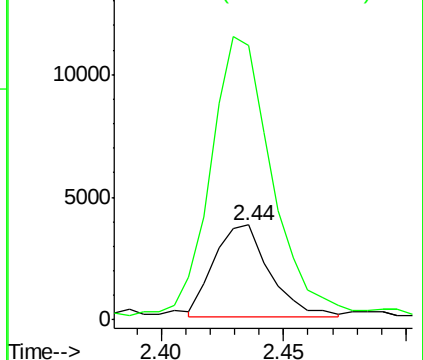
58 100

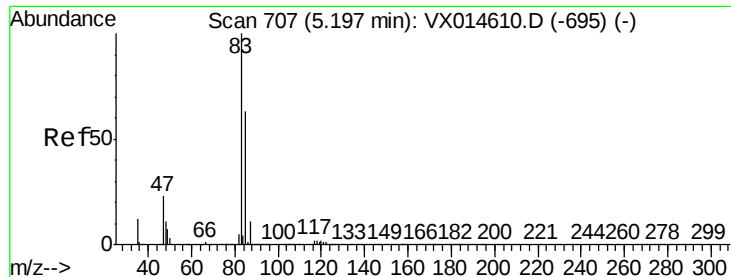
43 292.8 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 0.874 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

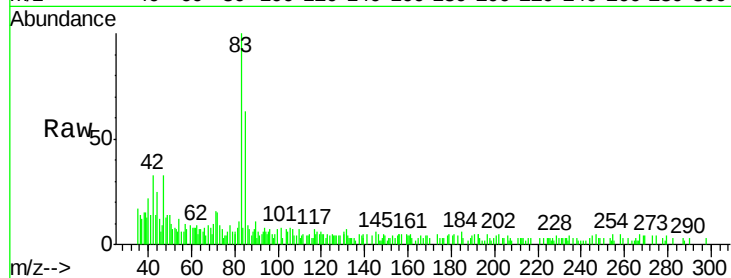
55-ST-25

Tot Ion: 83 Resp: 6325

Ion Ratio Lower Upper

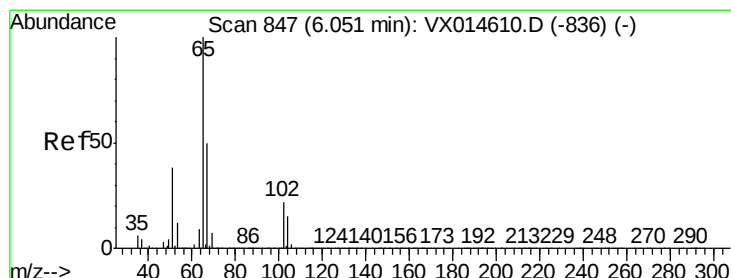
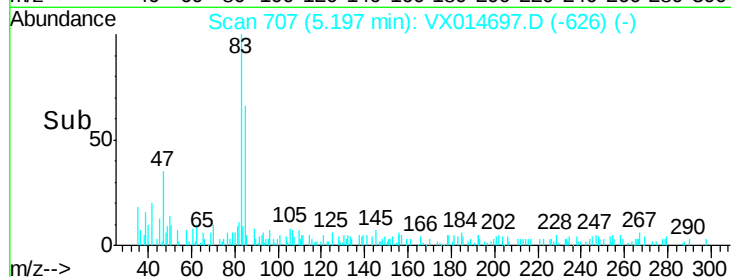
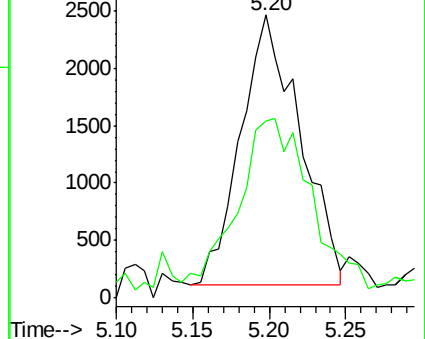
83 100

85 59.5 52.7 79.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 32.170 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014697.D

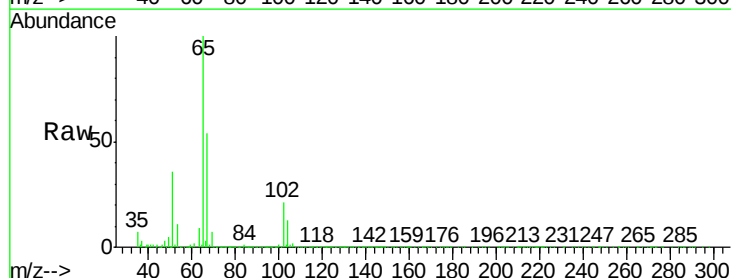
Acq: 24 Jan 2020 15:08

Tgt Ion: 65 Resp: 153378

Ion Ratio Lower Upper

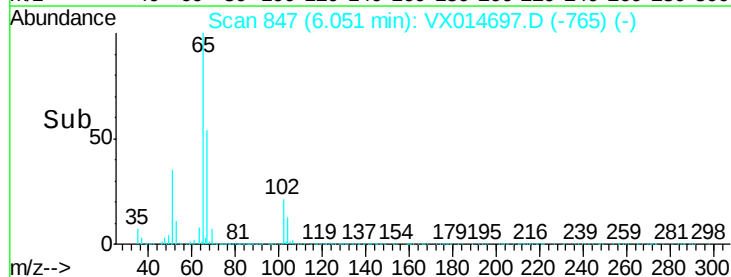
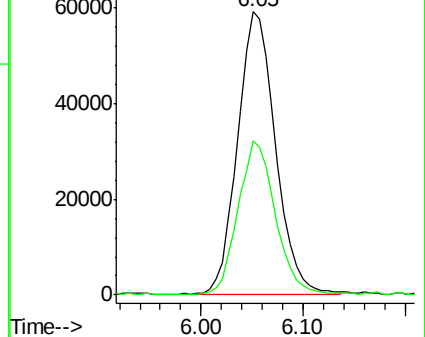
65 100

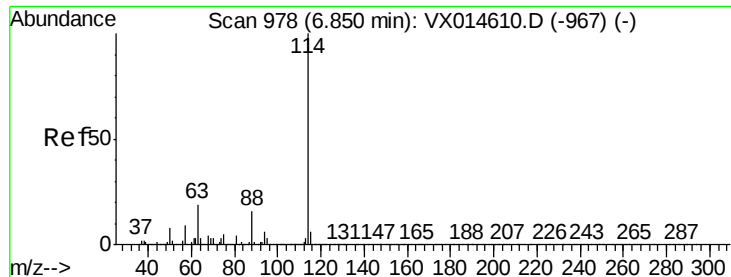
67 52.7 43.1 64.7



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

55-ST-25

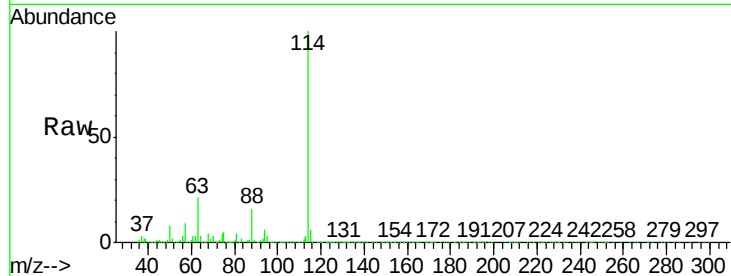
Tot Ion:114 Resp: 362359

Ion Ratio Lower Upper

114 100

63 20.7 16.1 24.1

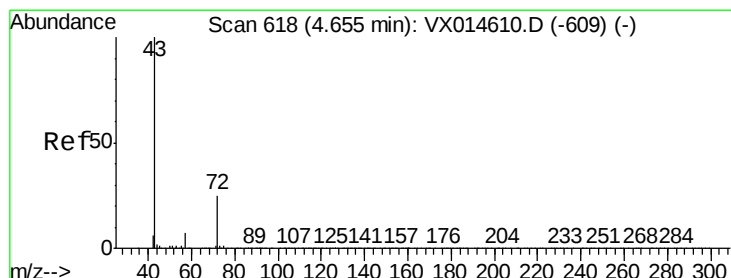
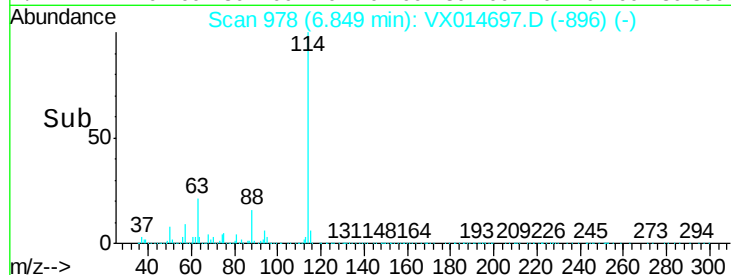
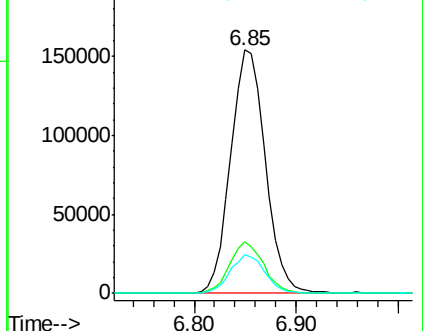
88 15.9 12.5 18.7



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



#30

2-Butanone

Concen: 4.993 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

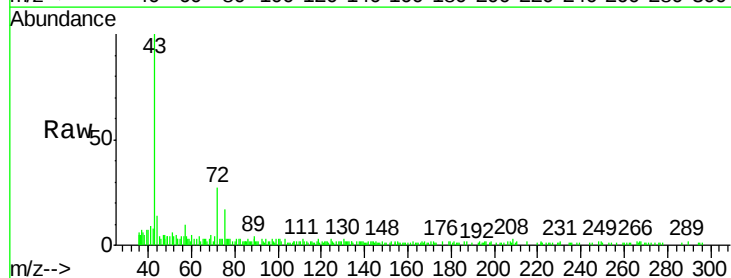
Tgt Ion: 43 Resp: 16809

Ion Ratio Lower Upper

43 100

57 2.3 6.2 9.2#

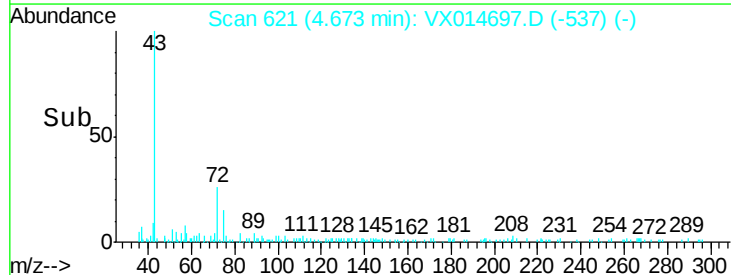
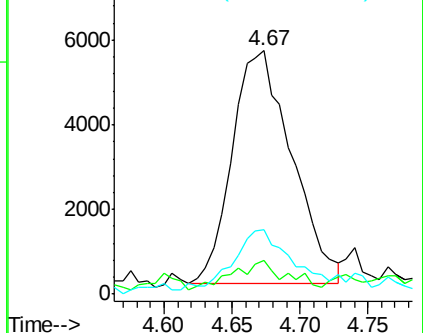
72 21.2 20.3 30.5

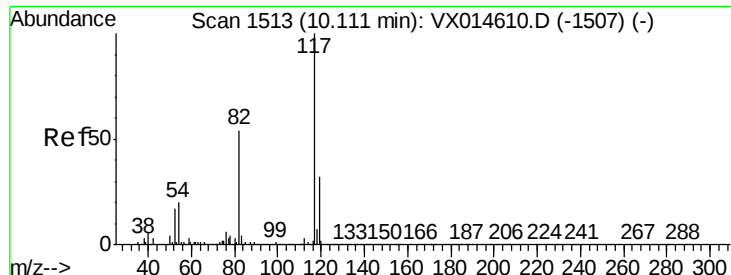


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

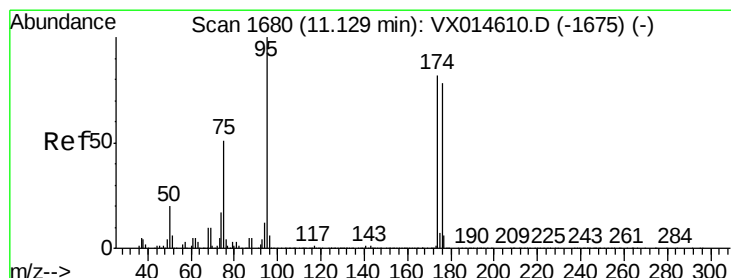
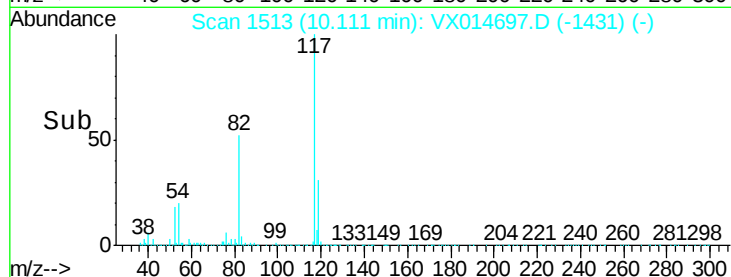
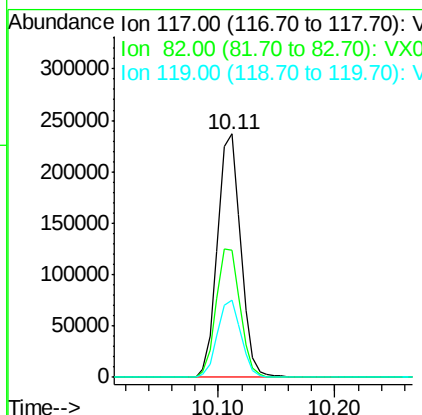
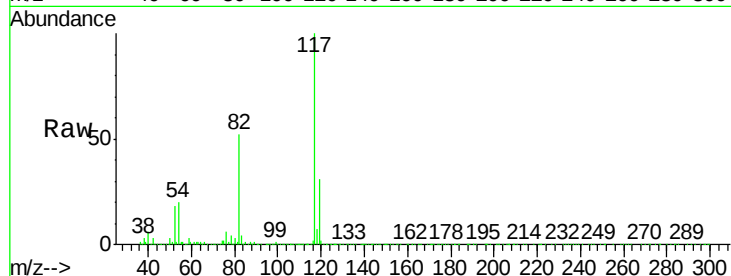




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

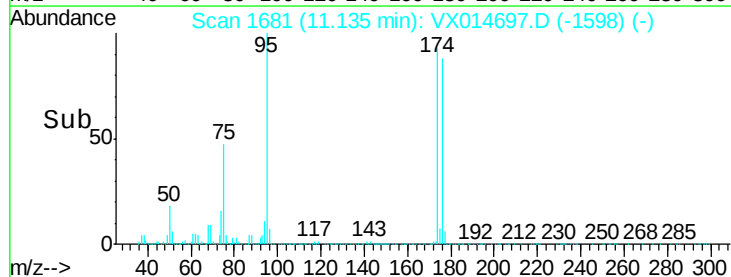
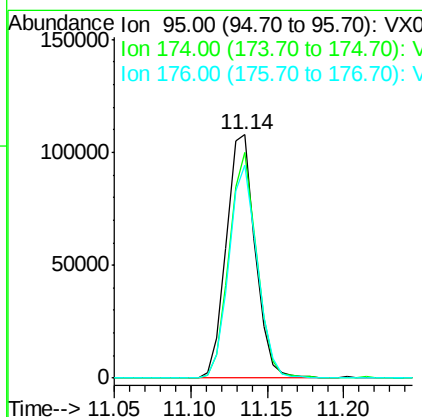
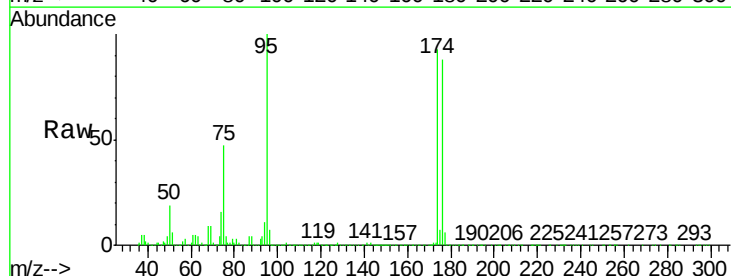
Instrument :
MSVOA_X
ClientSampleId :
55-ST-25

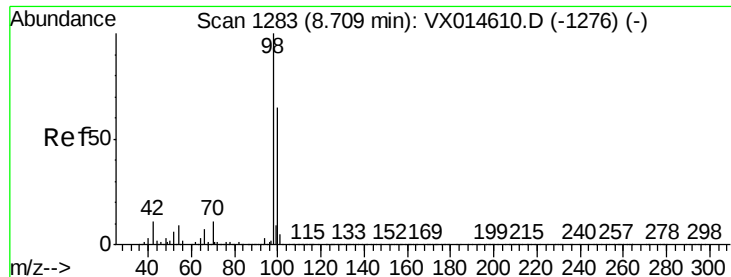
Tot Ion:117 Resp: 326193
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.6
119 32.0 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.118 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

Tgt Ion: 95 Resp: 141552
Ion Ratio Lower Upper
95 100
174 88.6 70.2 105.2
176 85.9 68.3 102.5





#63

Toluene-d8

Concen: 29.878 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

Instrument :

MSVOA_X

ClientSampleId :

55-ST-25

Tot Ion: 98 Resp: 440229

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.2

