

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 22:27:25 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

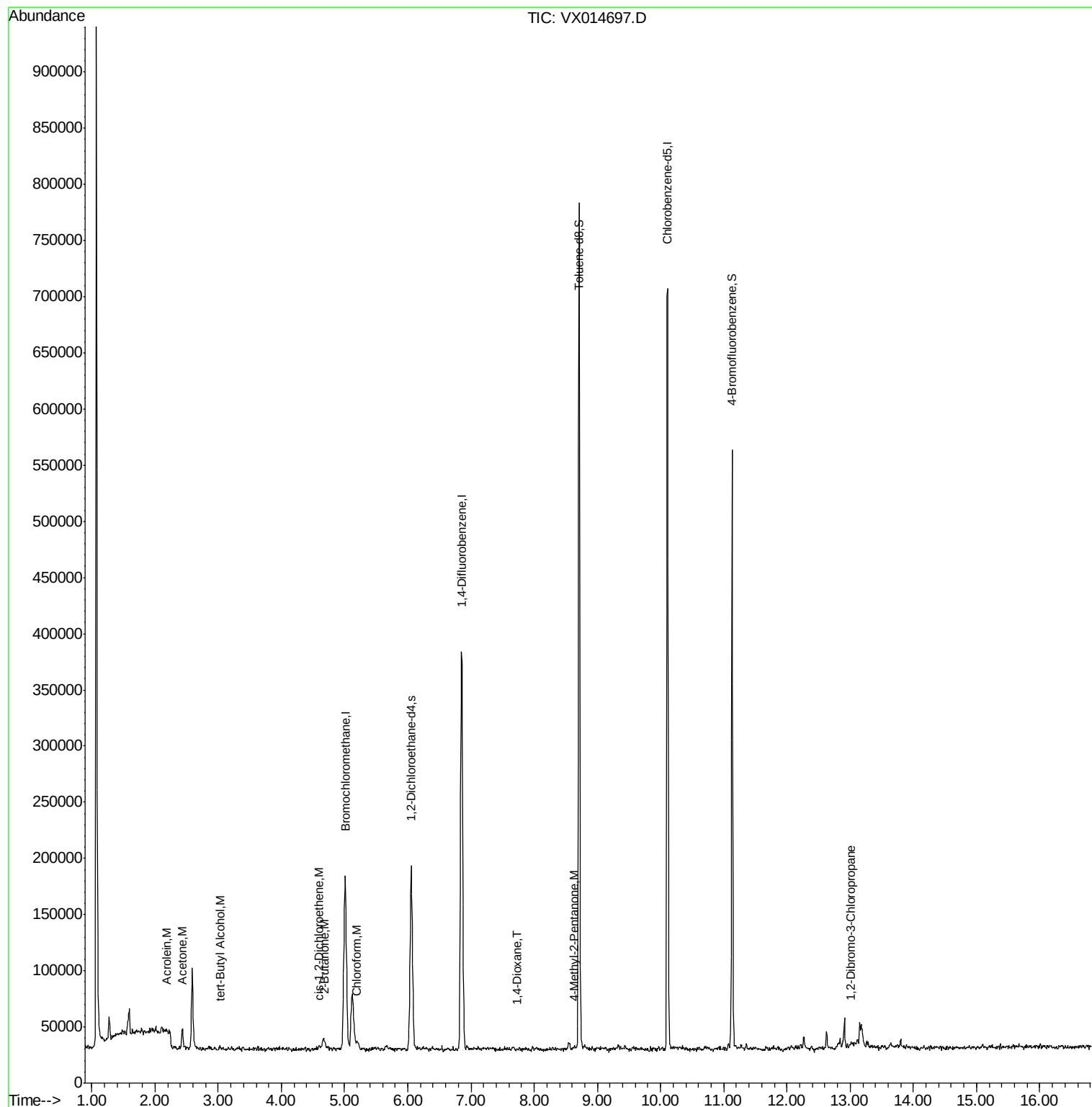
					Ovalue
13) Acrolein	2.18	56	288	0.404 ug/l	90
15) Acetone	2.44	58	5964	7.665 ug/l	99
22) cis-1,2-Dichloroethene	4.59	96	1243	0.268 ug/l #	71
23) tert-Butyl Alcohol	3.03	59	2251	2.345 ug/l #	69
25) Chloroform	5.20	83	6325	0.874 ug/l	92
30) 2-Butanone	4.67	43	16809	4.993 ug/l #	90
45) 1,4-Dioxane	7.73	88	88	0.895 ug/l #	1
58) 4-Methyl-2-Pentanone	8.64	43	1835	0.299 ug/l #	75
88) 1,2-Dibromo-3-Chloropropan	13.00	75	337	0.254 ug/l #	11

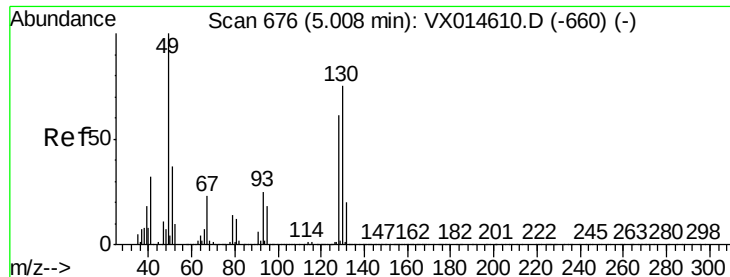
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
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QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#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

ClientSampled :

55-ST-25

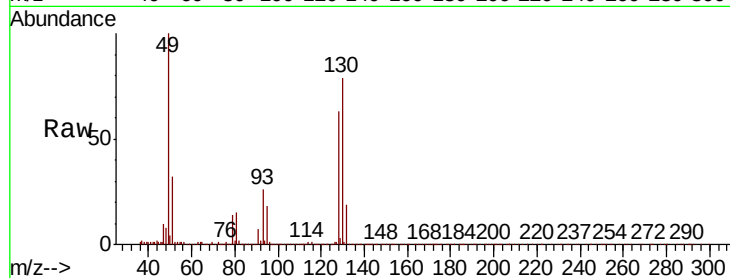
Tot Ion:128 Resp: 67830

Ion Ratio Lower Upper

128 100

49 163.3 0.0 405.0

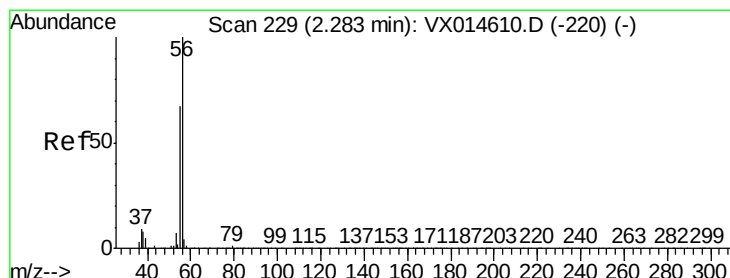
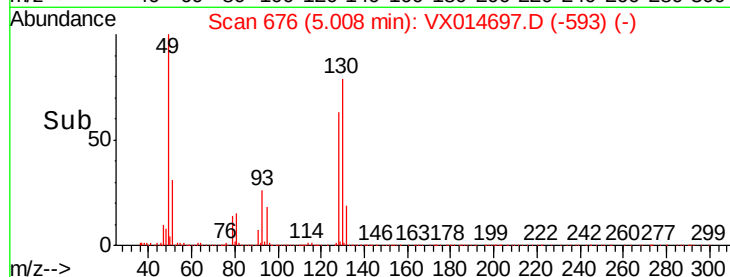
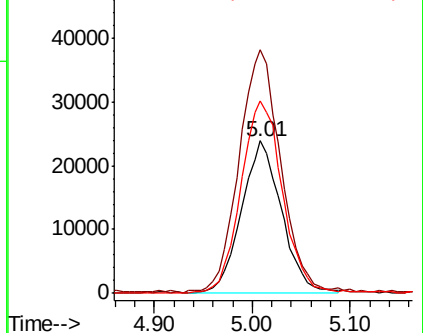
130 130.8 0.0 321.5



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



#13

Acrolein

Concen: 0.404 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.10 min

Lab File: VX014697.D

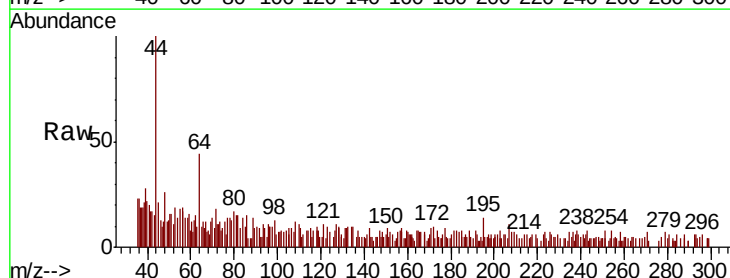
Acq: 24 Jan 2020 15:08

Tgt Ion: 56 Resp: 288

Ion Ratio Lower Upper

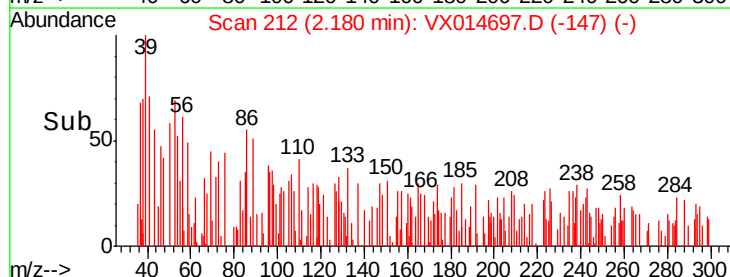
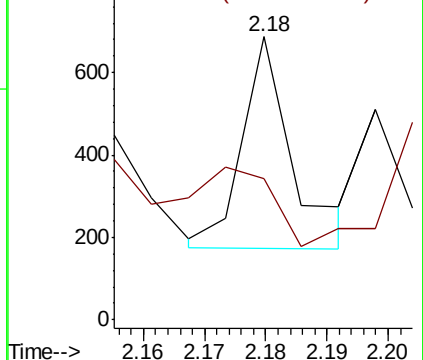
56 100

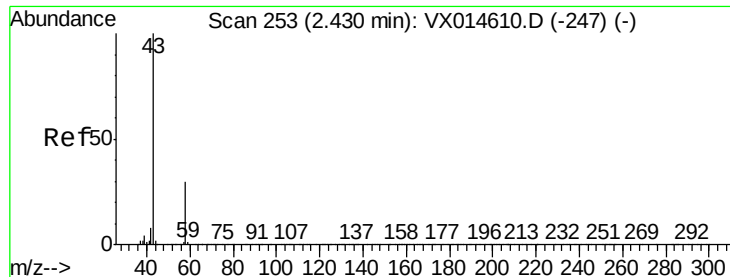
55 60.4 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#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

Instrument :

MSVOA_X

ClientSampleId :

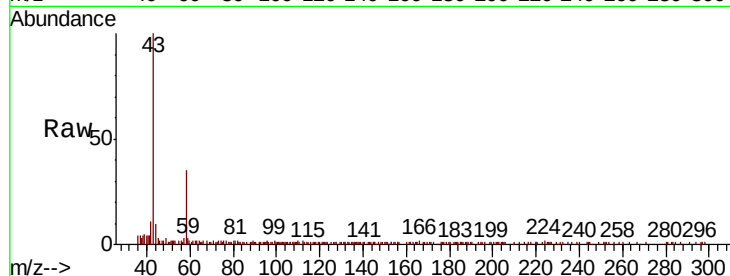
55-ST-25

Tot 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

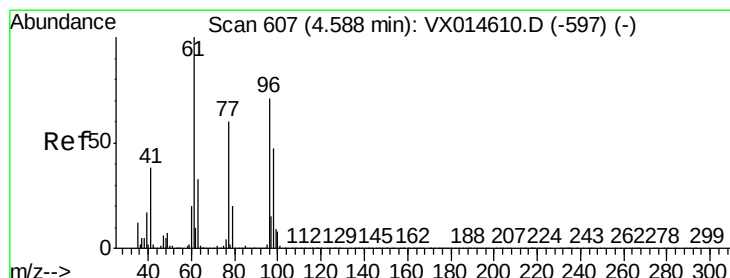
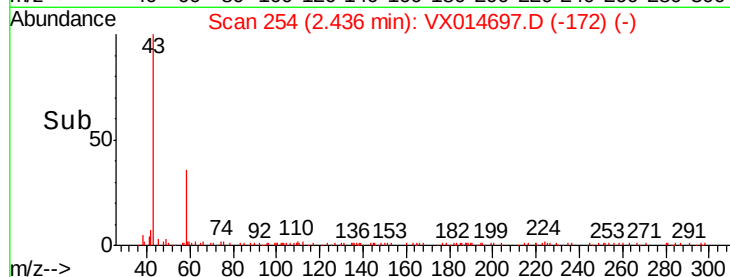
Ion 43.00 (42.70 to 43.70): VX0

10000

5000

2.44

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.268 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

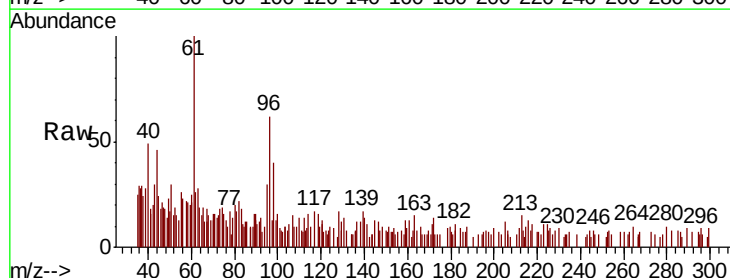
Tgt Ion: 96 Resp: 1243

Ion Ratio Lower Upper

96 100

61 96.9 112.4 168.6#

98 73.5 50.3 75.5



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

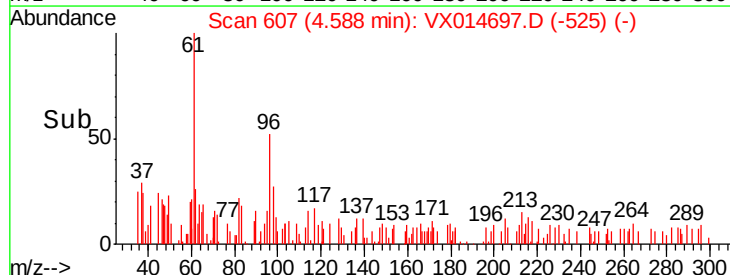
Ion 98.00 (97.70 to 98.70): VX0

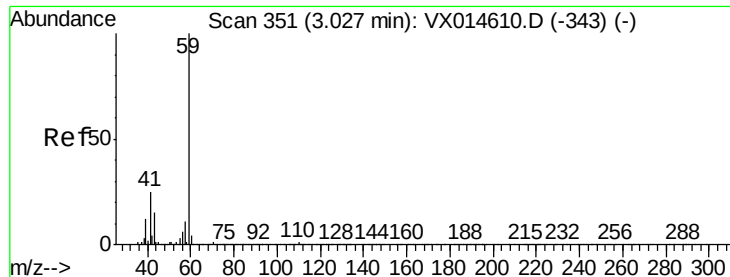
1000

500

4.59

Time-->





#23

tert-Butyl Alcohol

Concen: 2.345 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.02 min

Lab File: VX014697.D

Acq: 24 Jan 2020 15:08

Instrument :

MSVOA_X

ClientSampled :

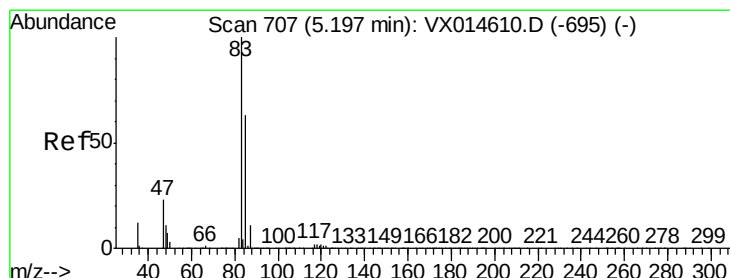
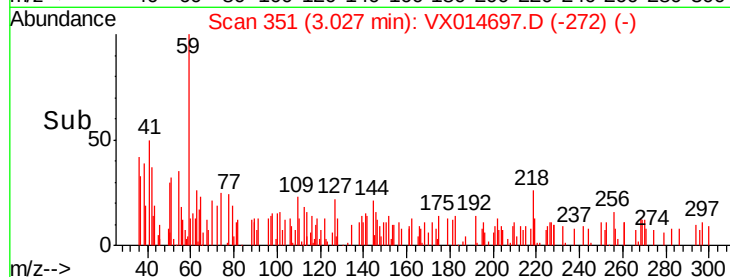
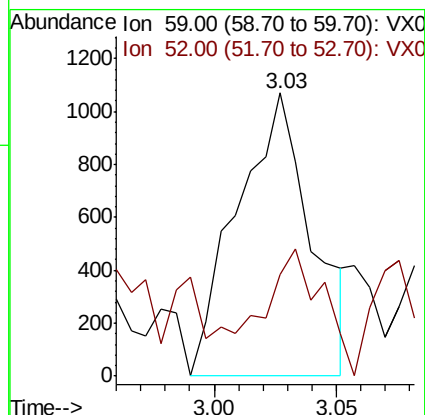
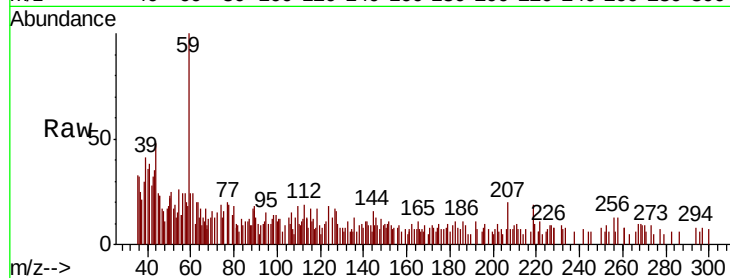
55-ST-25

Tot Ion: 59 Resp: 2251

Ion Ratio Lower Upper

59 100

52 40.0 0.2 0.2#



#25

Chloroform

Concen: 0.874 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX014697.D

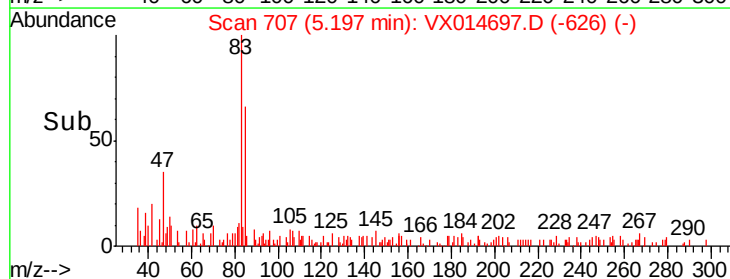
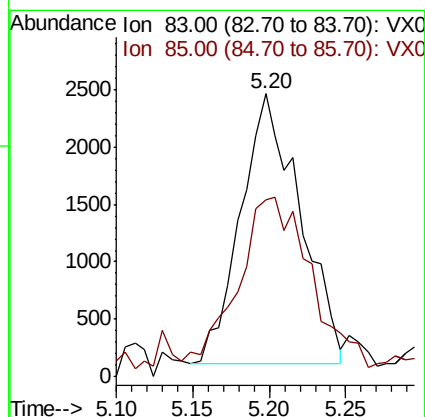
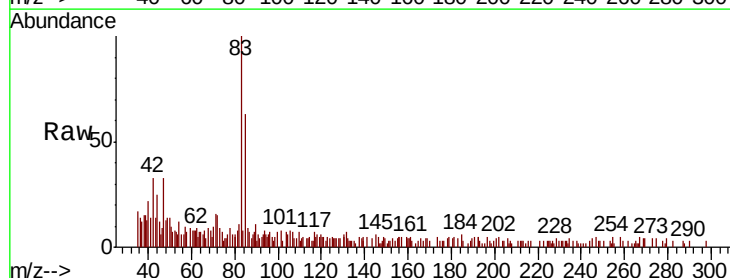
Acq: 24 Jan 2020 15:08

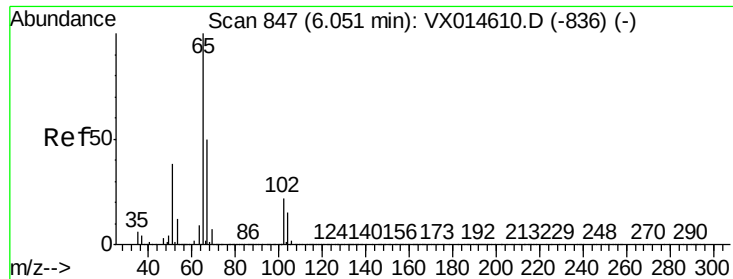
Tgt Ion: 83 Resp: 6325

Ion Ratio Lower Upper

83 100

85 59.5 52.7 79.1

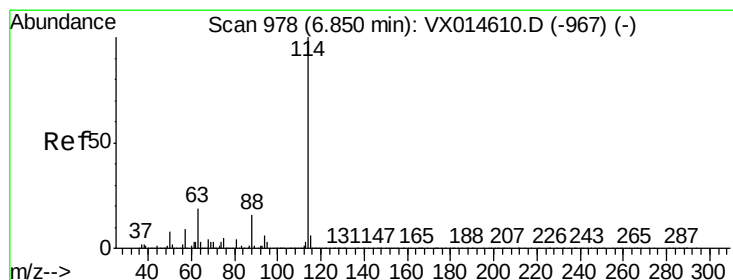
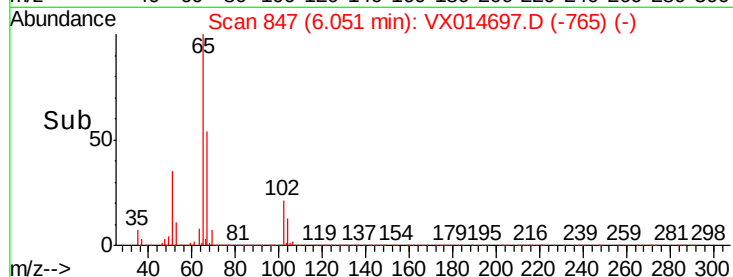
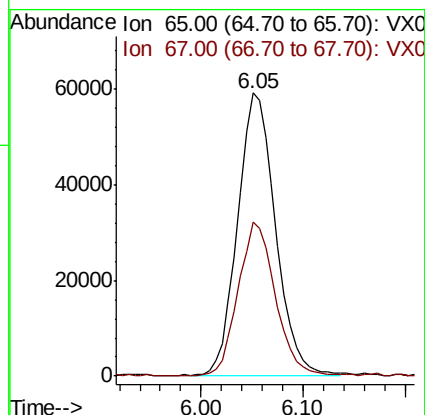
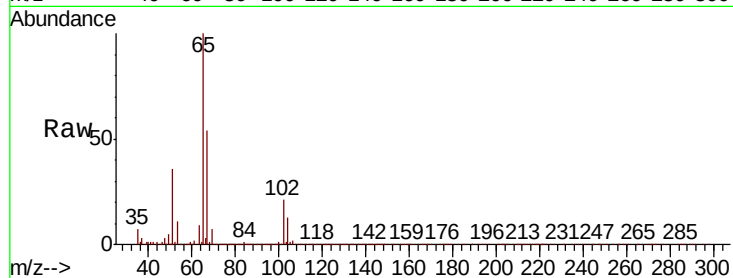




#27
 1,2-Dichloroethane-d4
 Concen: 32.170 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014697.D
 Acq: 24 Jan 2020 15:08

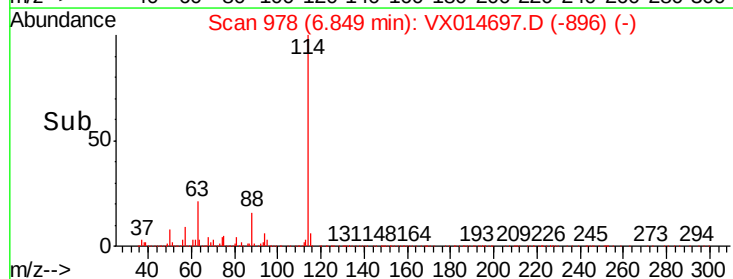
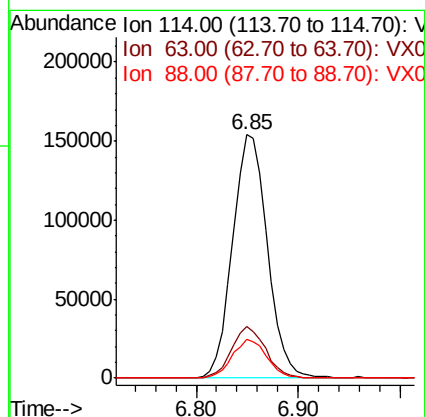
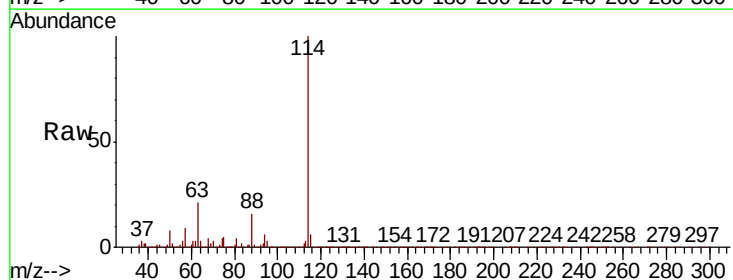
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-25

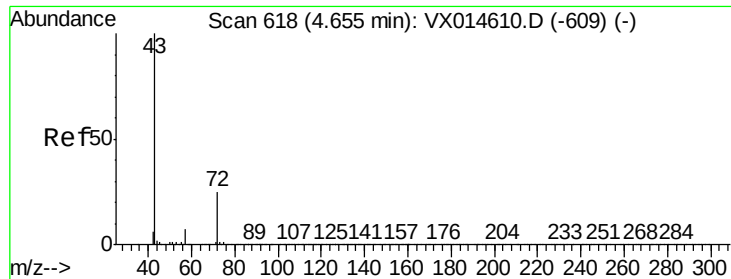
Tot Ion: 65 Resp: 153378
 Ion Ratio Lower Upper
 65 100
 67 52.7 43.1 64.7



#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

Tgt Ion: 114 Resp: 362359
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.1 24.1
 88 15.9 12.5 18.7

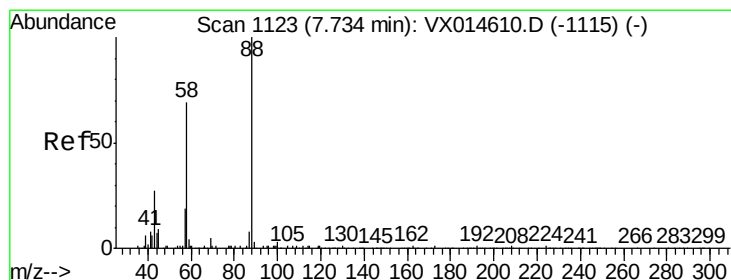
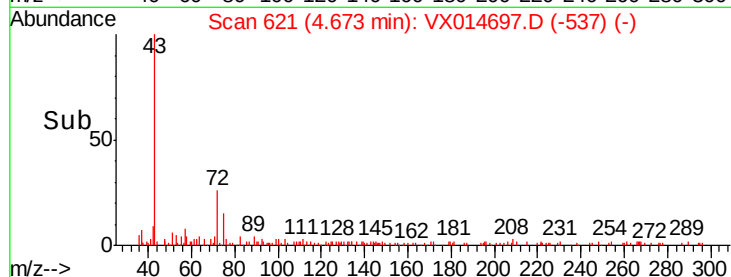
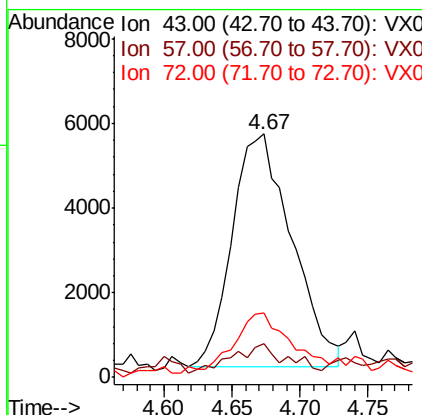
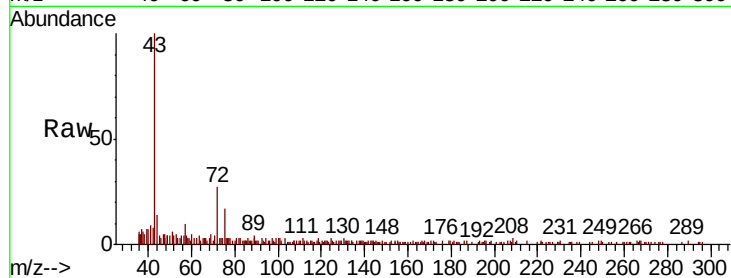




#30
2-Butanone
Concen: 4.993 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

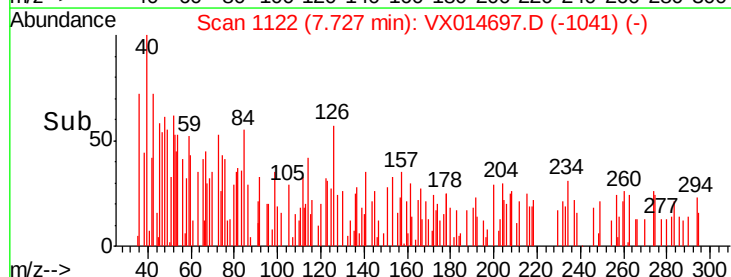
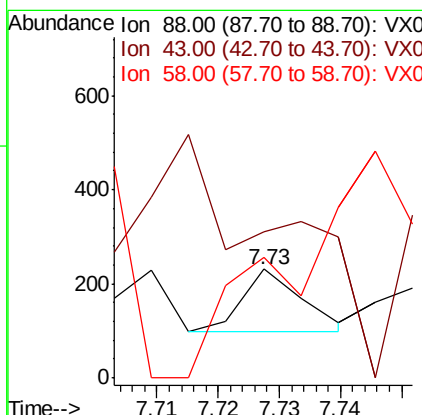
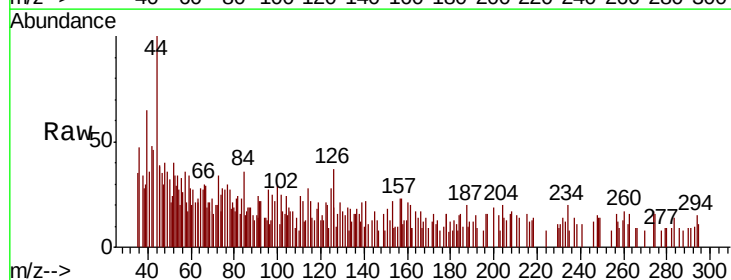
Instrument :
MSVOA_X
ClientSampleId :
55-ST-25

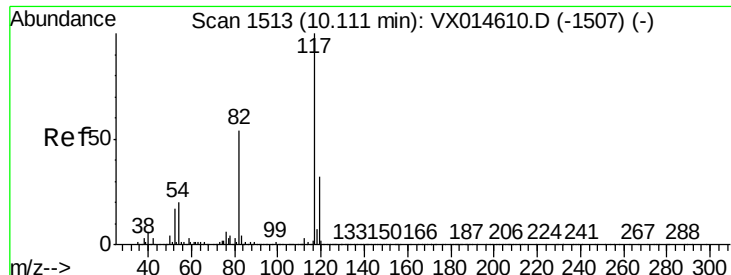
Tot Ion	Ratio	Lower	Upper
43	100		
57	2.3	6.2	9.2#
72	21.2	20.3	30.5



#45
1,4-Dioxane
Concen: 0.895 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
88	100		
43	392.0	25.4	38.2#
58	259.1	56.5	84.7#

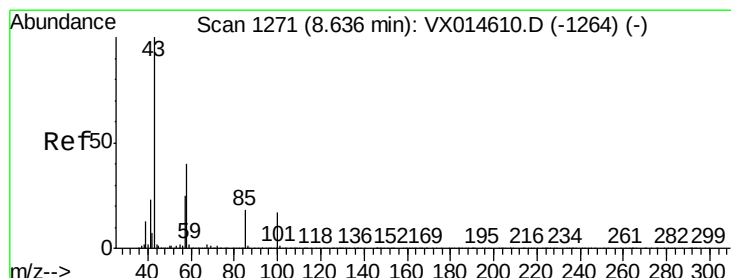
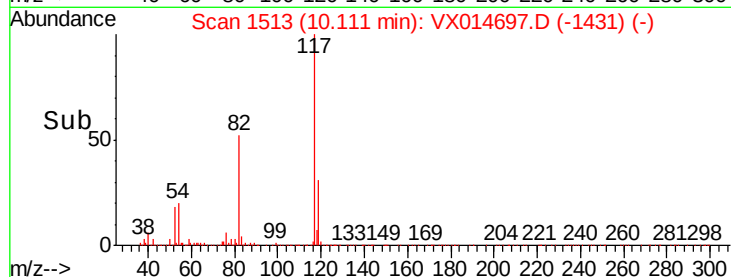
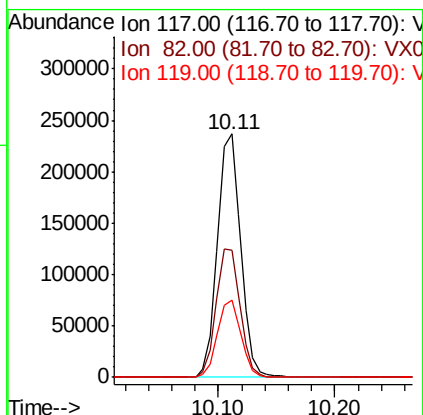
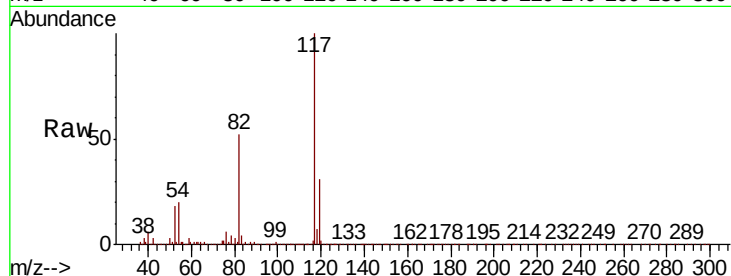




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

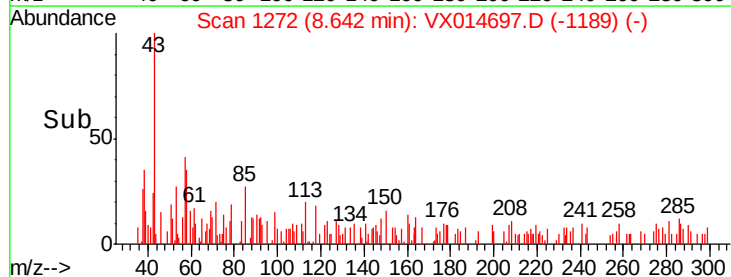
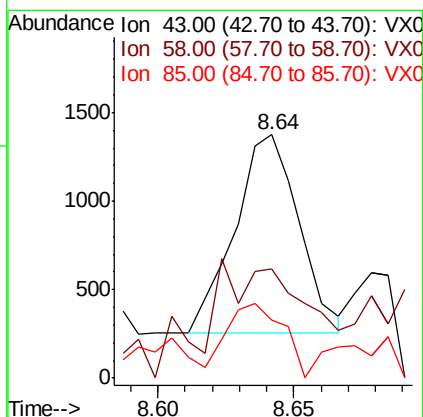
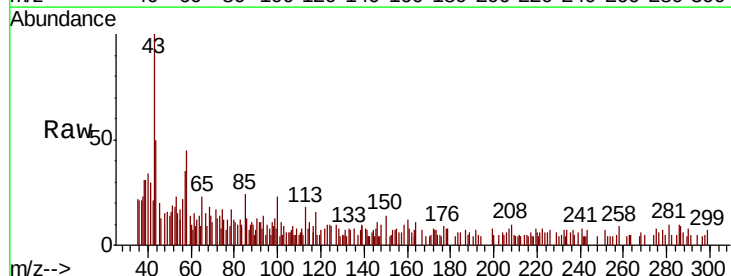
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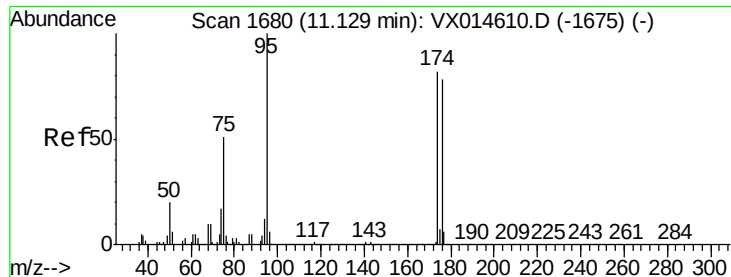
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.8	65.6
119	32.0	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 0.299 ug/l
RT: 8.64 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.6	31.2	46.8#
85	32.9	14.2	21.2#

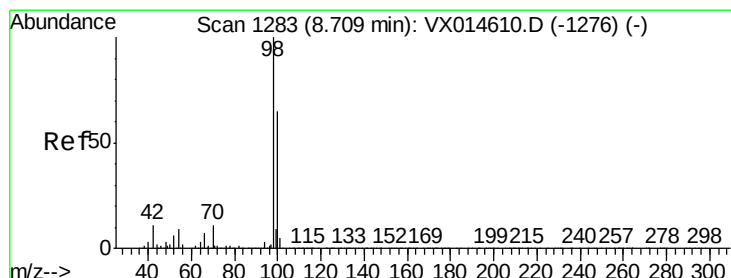
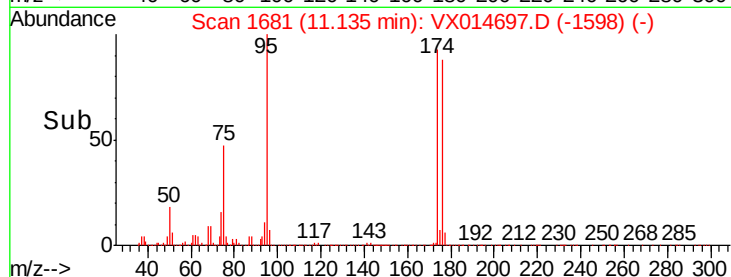
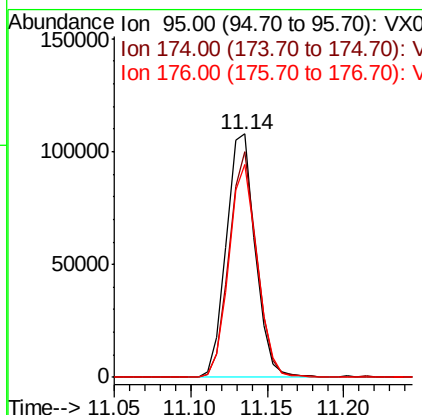
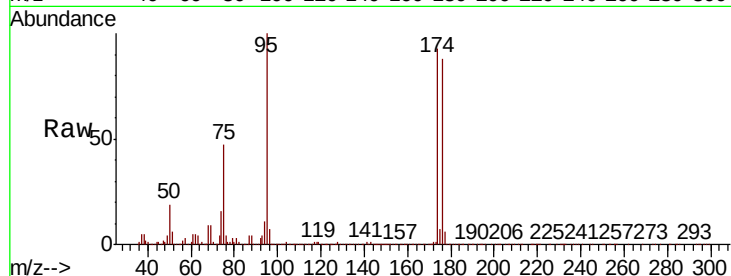




#60
4-Bromofluorobenzene
Concen: 27.118 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014697.D
Acq: 24 Jan 2020 15:08

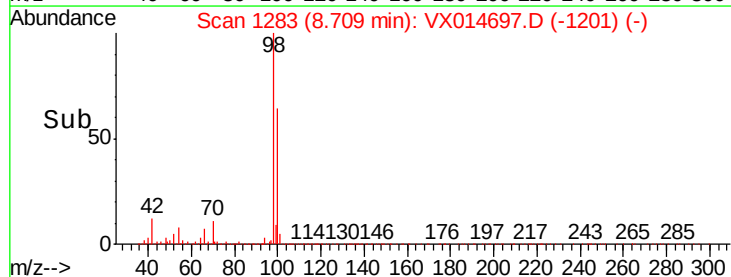
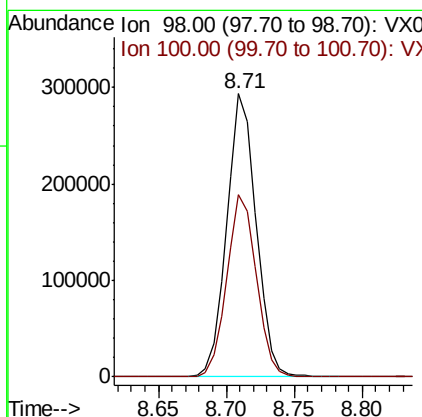
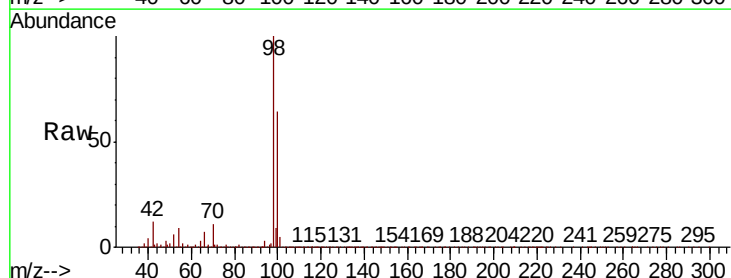
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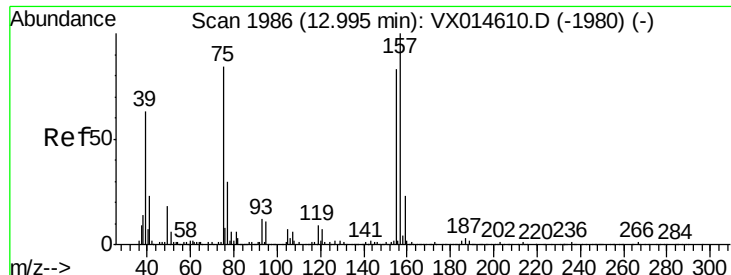
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.6	70.2	105.2
176	85.9	68.3	102.5



#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

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.254 ug/l

RT: 13.00 min Scan# 1987

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: 75 Resp: 337

Ion Ratio Lower Upper

75 100

155 29.4 73.8 110.6#

157 0.0 95.0 142.4#

