

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014637.D
 Acq On : 16 Jan 2020 14:47
 Operator : JC/SP
 Sample : L1159-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 400115763

Quant Time: Jan 17 05:56:01 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	72649	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	387818	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	346173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	159516	31.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.13%
60) 4-Bromofluorobenzene	11.13	95	147531	26.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.77%
63) Toluene-d8	8.71	98	461224	29.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.33%

Target Compounds

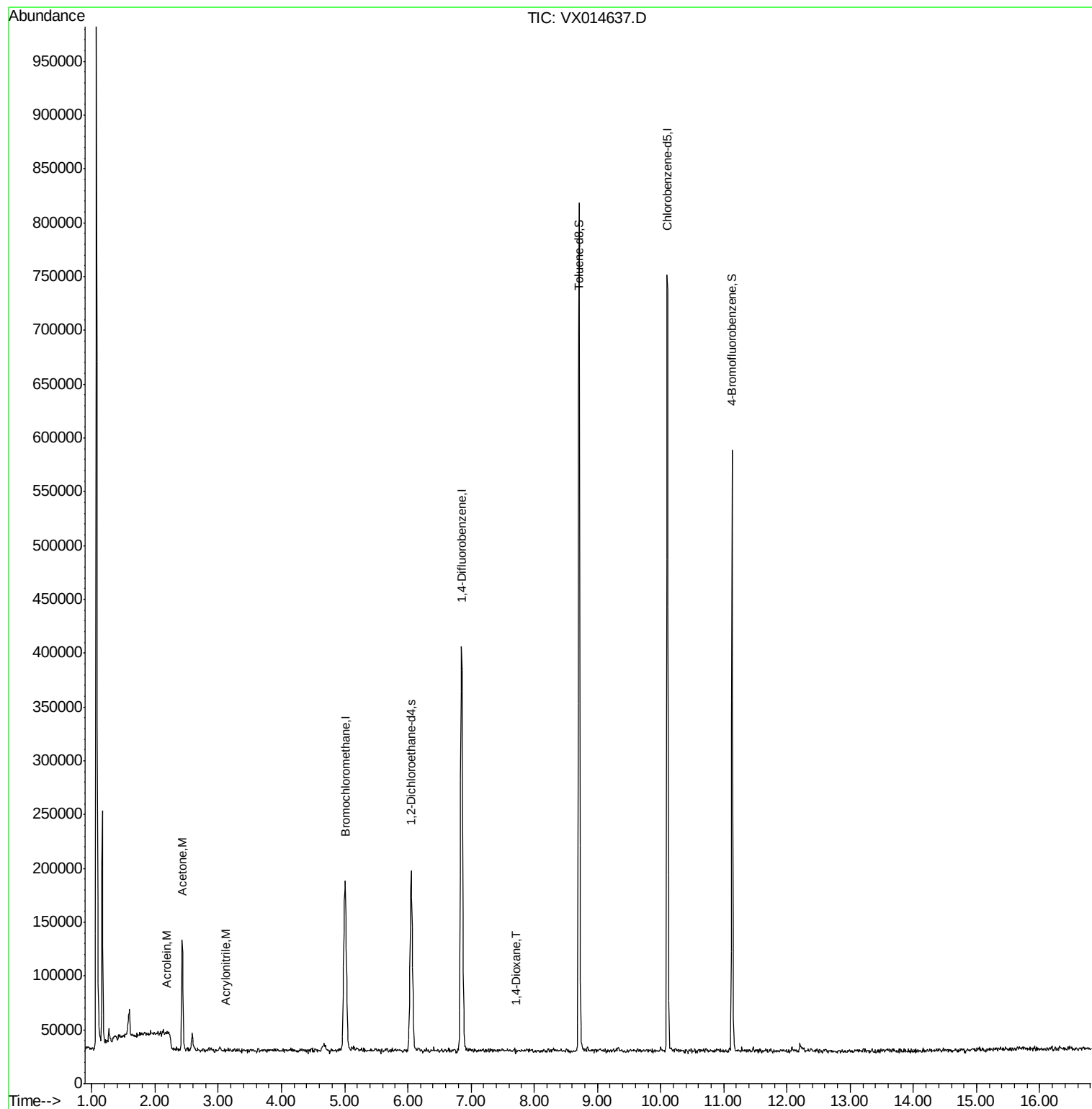
					Ovalue
13) Acrolein	2.20	56	223	0.292	ug/l 90
14) Acrylonitrile	3.12	53	622	0.250	ug/l # 25
15) Acetone	2.43	58	33757	40.506	ug/l 82
45) 1,4-Dioxane	7.72	88	83	0.789	ug/l # 1

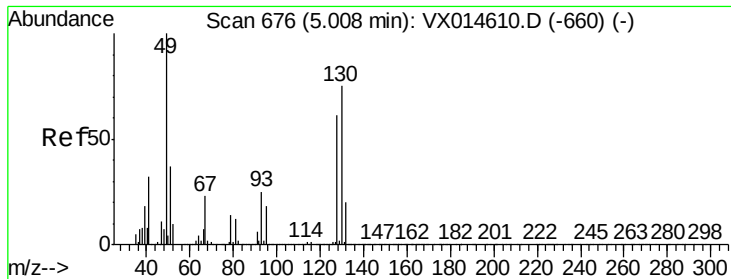
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014637.D

Acq: 16 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

400115763

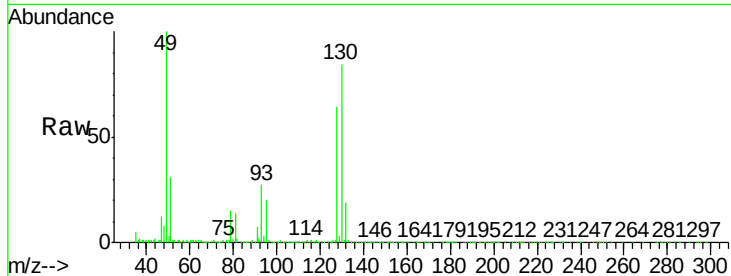
Tot Ion:128 Resp: 72649

Ion Ratio Lower Upper

128 100

49 159.0 0.0 405.0

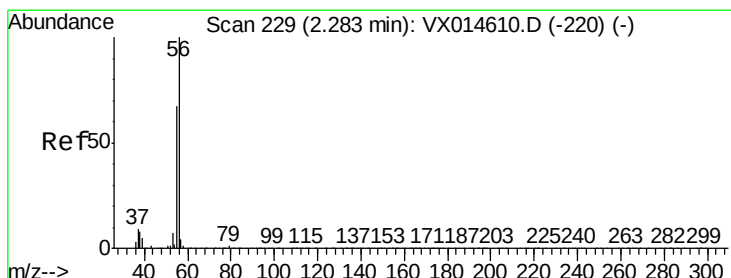
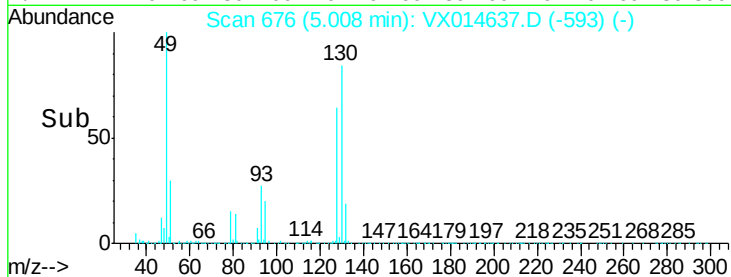
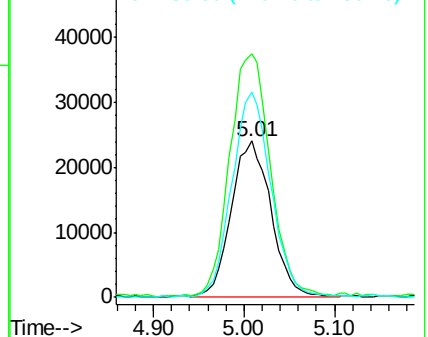
130 129.1 0.0 321.5



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: 0.292 ug/l

RT: 2.20 min Scan# 215

Delta R.T. -0.09 min

Lab File: VX014637.D

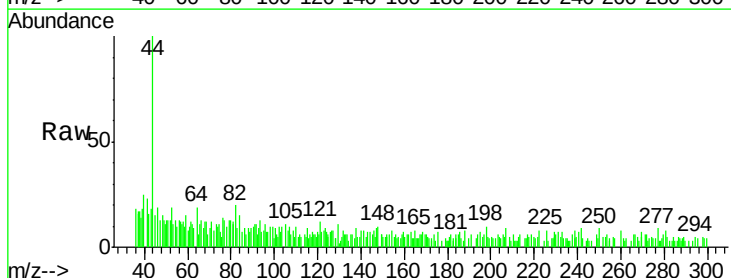
Acq: 16 Jan 2020 14:47

Tgt Ion: 56 Resp: 223

Ion Ratio Lower Upper

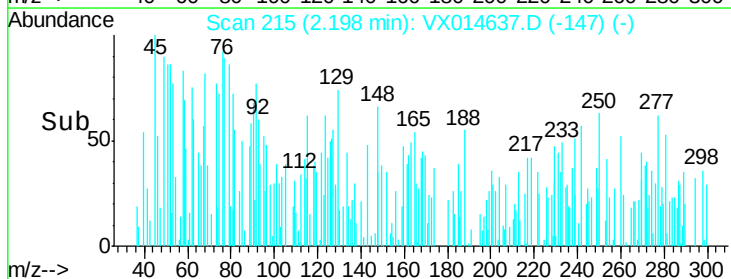
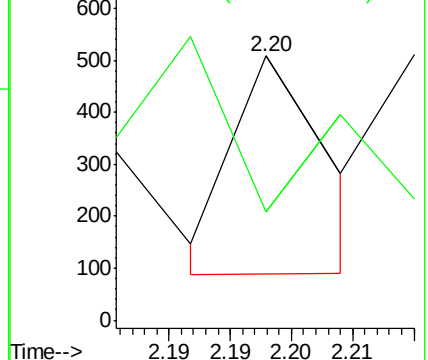
56 100

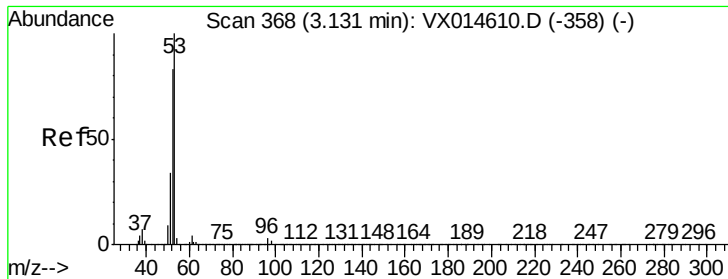
55 76.7 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#14

Acrylonitrile

Concen: 0.250 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX014637.D

Acq: 16 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

400115763

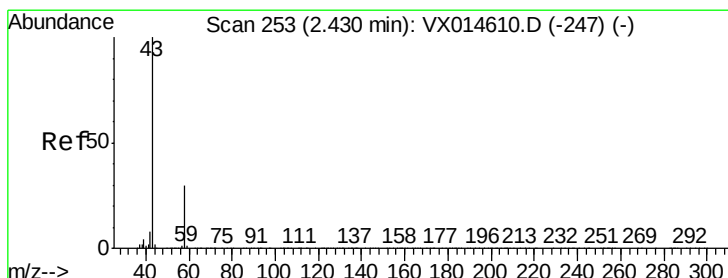
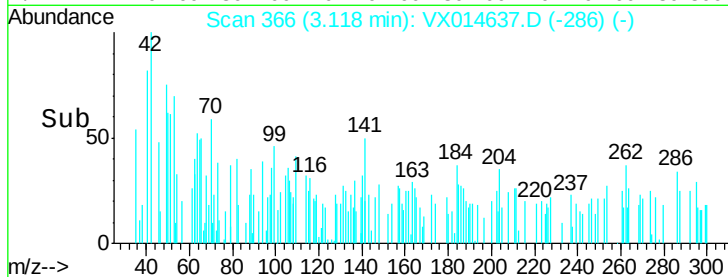
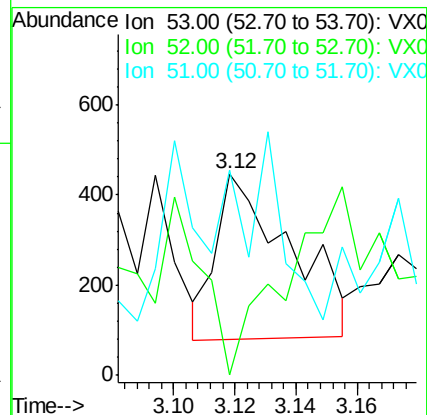
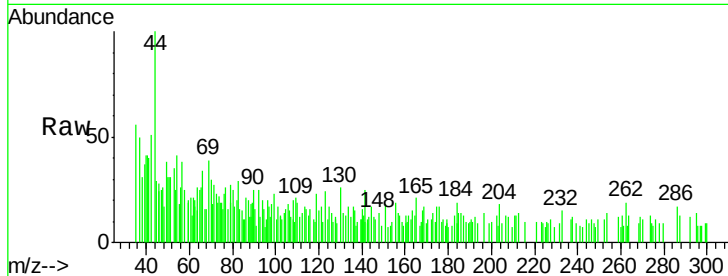
Tot Ion: 53 Resp: 622

Ion Ratio Lower Upper

53 100

52 0.0 41.5 124.6#

51 16.1 17.8 53.5#



#15

Acetone

Concen: 40.506 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014637.D

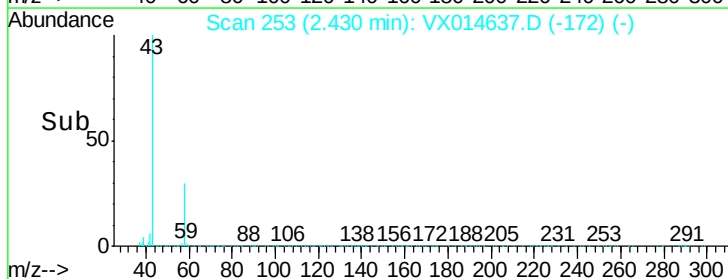
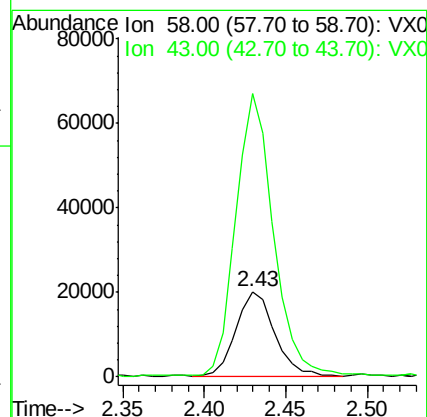
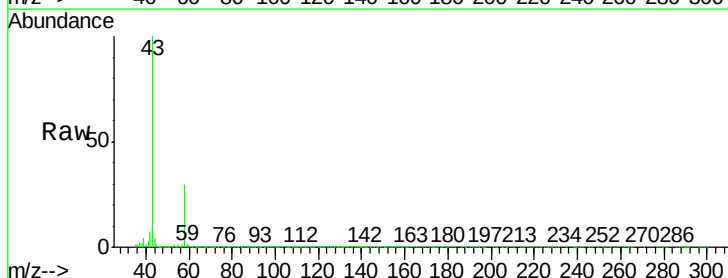
Acq: 16 Jan 2020 14:47

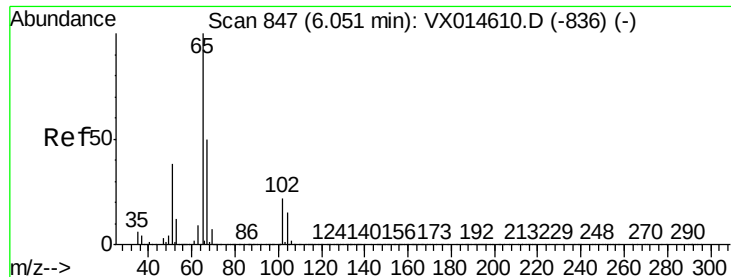
Tgt Ion: 58 Resp: 33757

Ion Ratio Lower Upper

58 100

43 330.4 236.3 354.5





#27

1,2-Dichloroethane-d4

Concen: 31.238 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014637.D

Acq: 16 Jan 2020 14:47

Instrument :

MSVOA_X

ClientSampleId :

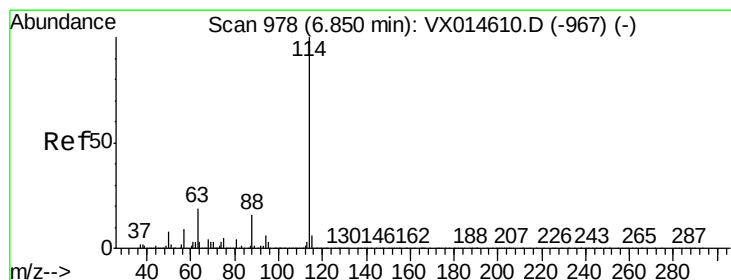
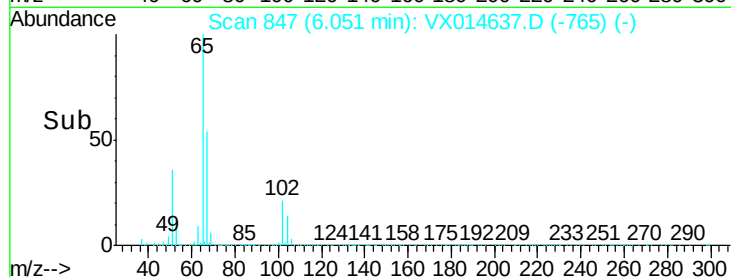
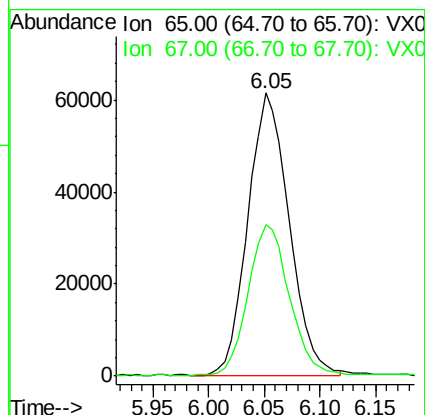
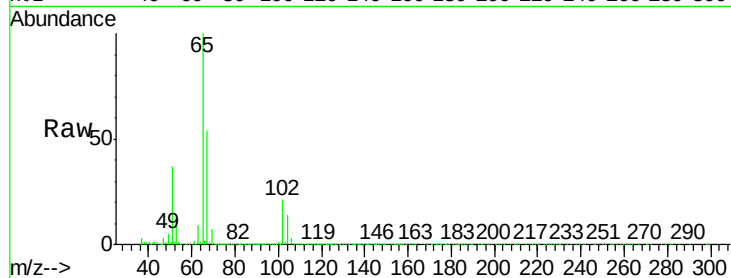
400115763

Tot Ion: 65 Resp: 159516

Ion Ratio Lower Upper

65 100

67 52.4 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: VX014637.D

Acq: 16 Jan 2020 14:47

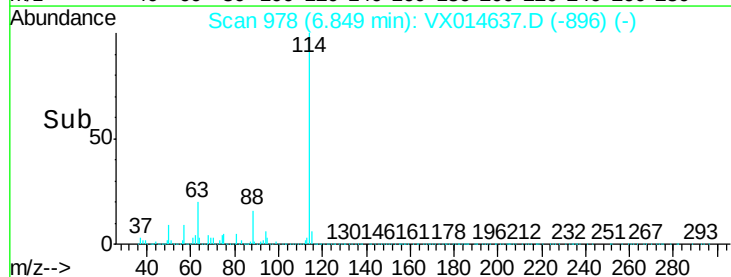
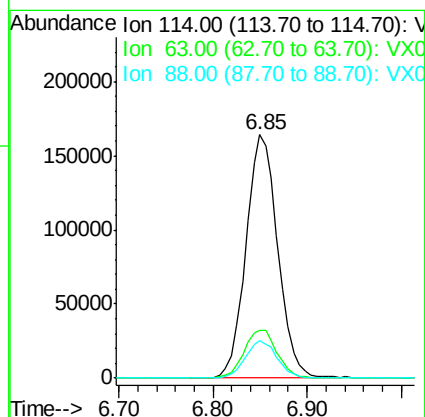
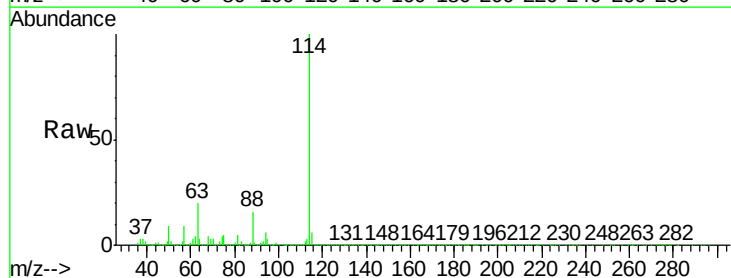
Tgt Ion: 114 Resp: 387818

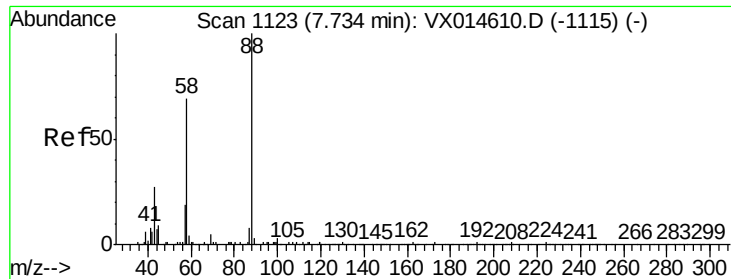
Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

88 15.2 12.5 18.7

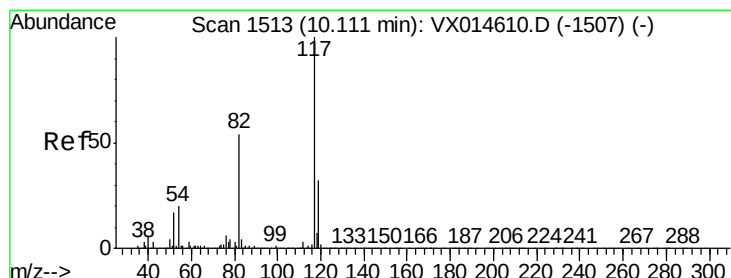
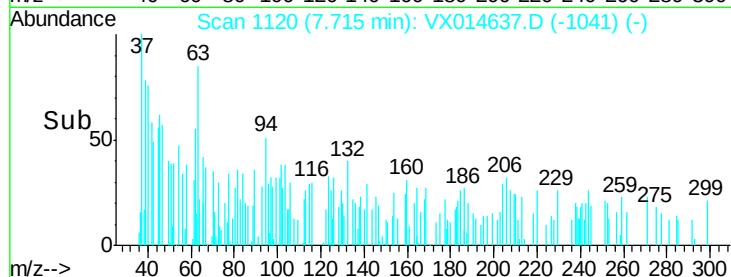
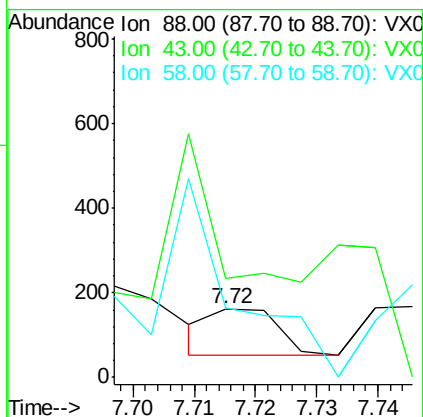
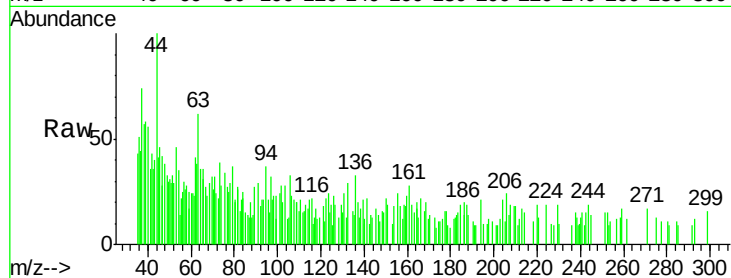




#45
1,4-Dioxane
Concen: 0.789 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VX014637.D
Acq: 16 Jan 2020 14:47

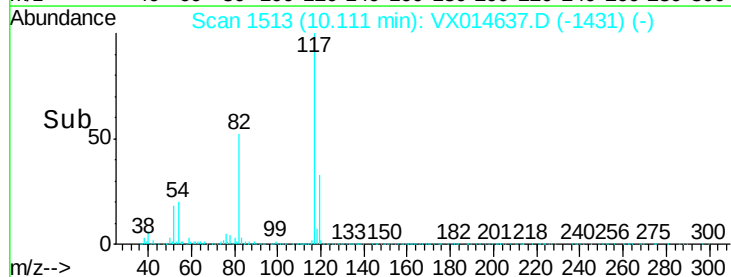
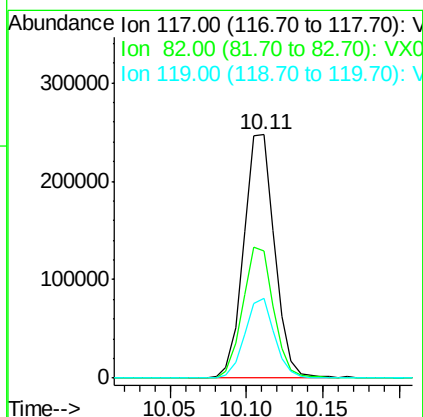
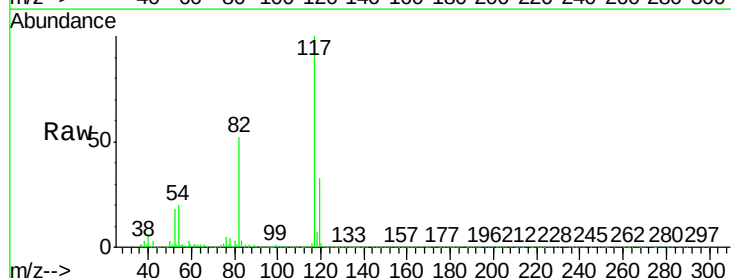
Instrument :
MSVOA_X
ClientSampleId :
400115763

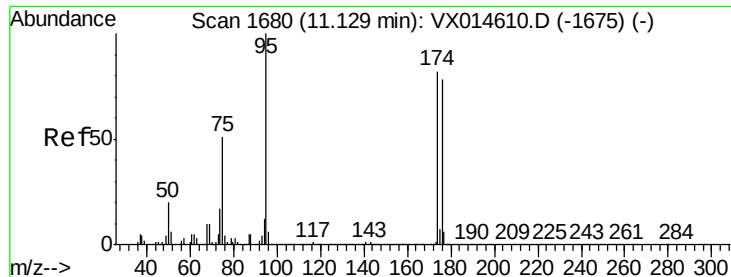
Tot Ion	Ratio	Lower	Upper
88	100		
43	194.0	25.4	38.2#
58	244.6	56.5	84.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014637.D
Acq: 16 Jan 2020 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.8	65.6
119	31.5	25.8	38.6

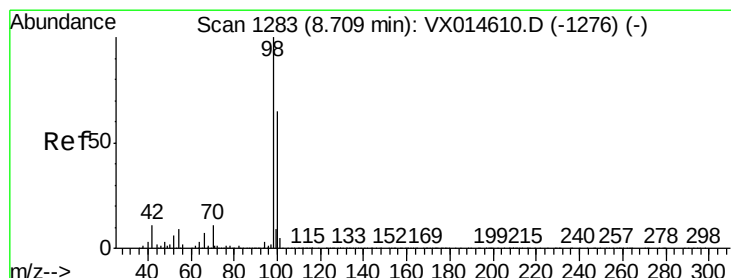
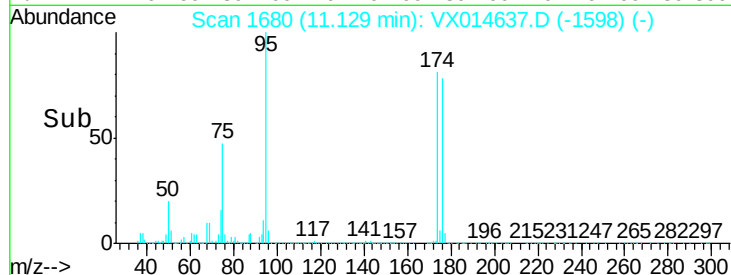
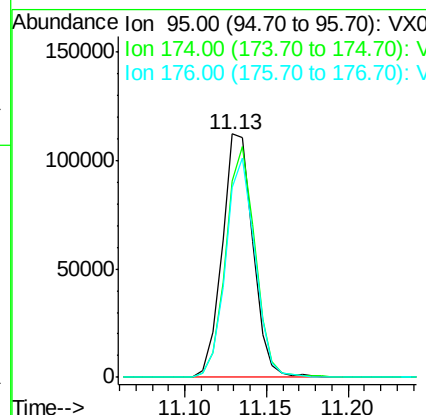
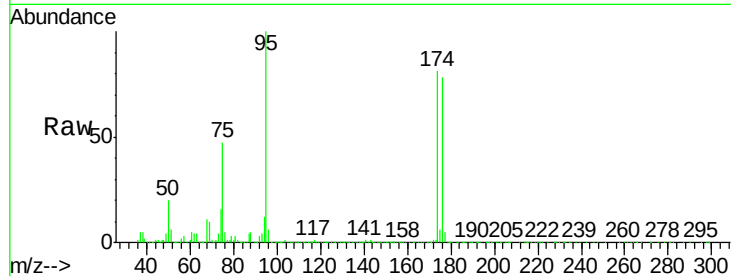




#60
4-Bromofluorobenzene
Concen: 26.633 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014637.D
Acq: 16 Jan 2020 14:47

Instrument :
MSVOA_X
ClientSampled :
400115763

Tot Ion	Ratio	Lower	Upper
95	100		
174	90.0	70.2	105.2
176	86.5	68.3	102.5



#63
Toluene-d8
Concen: 29.497 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014637.D
Acq: 16 Jan 2020 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.2	78.2

