

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014638.D
 Acq On : 16 Jan 2020 15:10
 Operator : JC/SP
 Sample : L1160-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 400115761

Quant Time: Jan 17 05:56:13 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	72114	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	390040	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	346073	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	160743	31.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.70%
60) 4-Bromofluorobenzene	11.13	95	150481	27.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.57%
63) Toluene-d8	8.71	98	467191	29.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.63%

Target Compounds

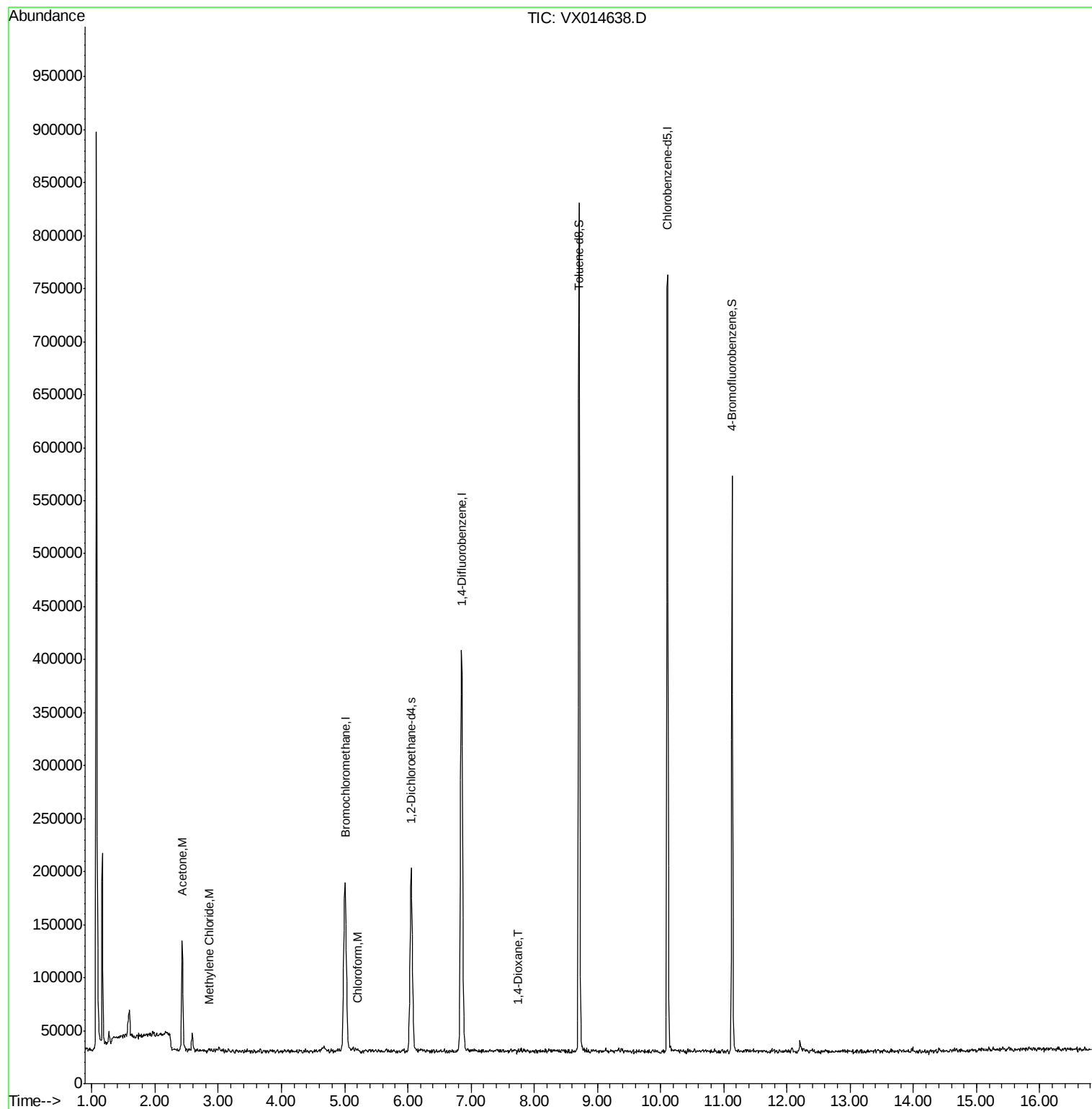
					Ovalue
15) Acetone	2.43	58	34397	41.580	ug/l 88
18) Methylene Chloride	2.84	84	958	0.205	ug/l # 67
25) Chloroform	5.21	83	2630	0.342	ug/l 97
45) 1,4-Dioxane	7.75	88	297	2.806	ug/l # 1

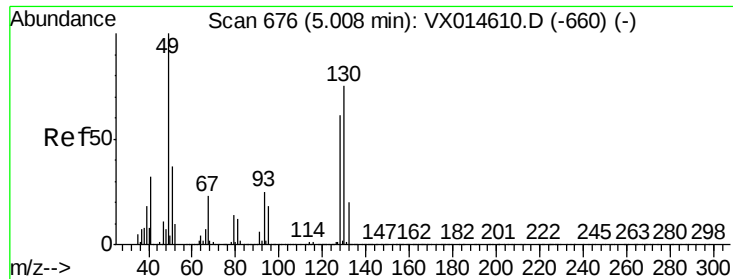
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 12:41:12 2020
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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: VX014638.D

Acq: 16 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

400115761

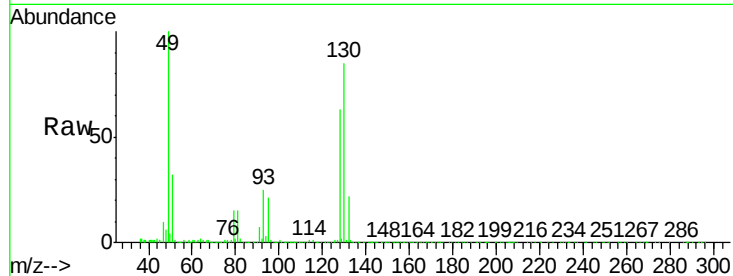
Tot Ion:128 Resp: 72114

Ion Ratio Lower Upper

128 100

49 161.3 0.0 405.0

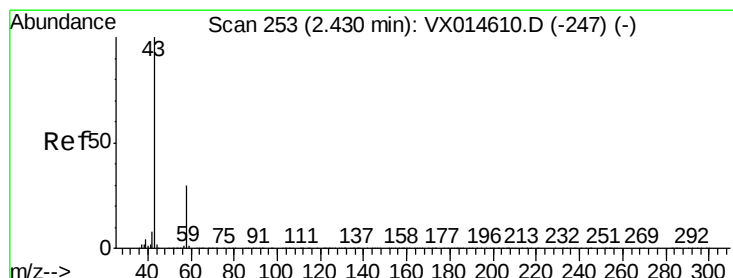
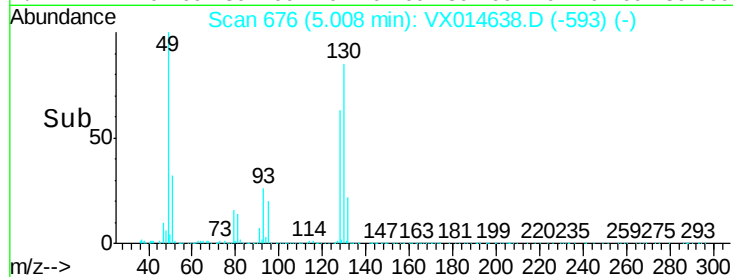
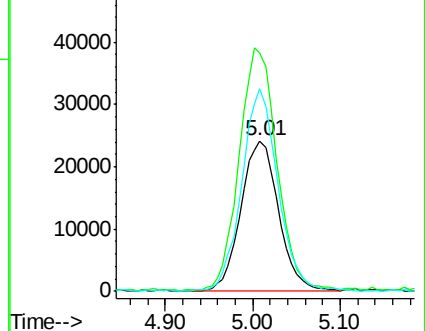
130 127.9 0.0 321.5



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: 41.580 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014638.D

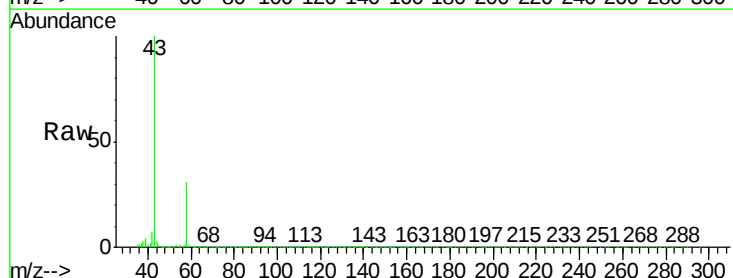
Acq: 16 Jan 2020 15:10

Tgt Ion: 58 Resp: 34397

Ion Ratio Lower Upper

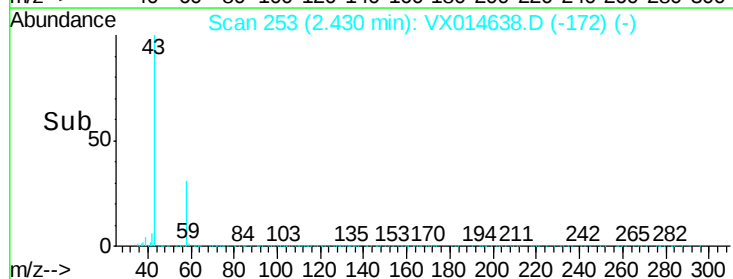
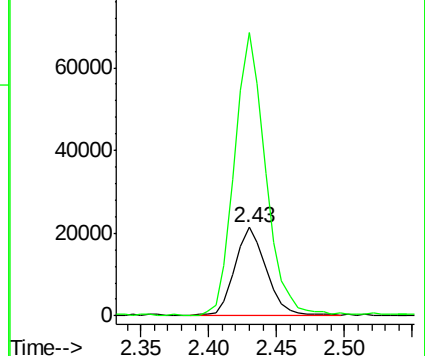
58 100

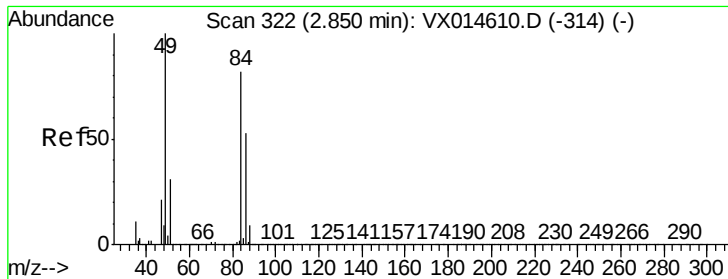
43 319.1 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

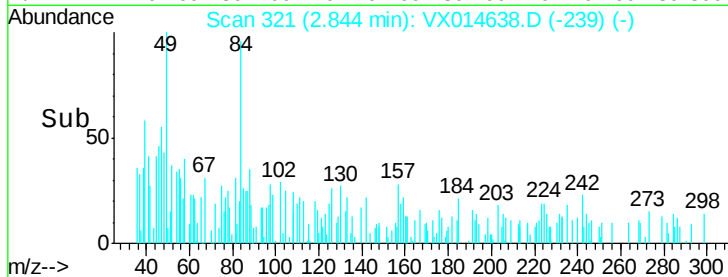
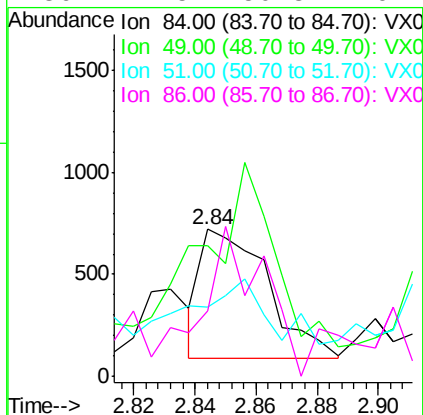
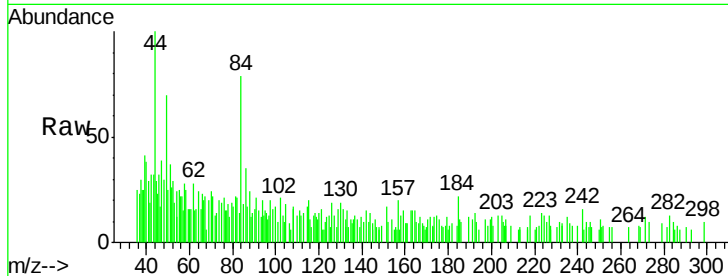




#18
Methvlene Chloride
Concen: 0.205 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX014638.D
Acq: 16 Jan 2020 15:10

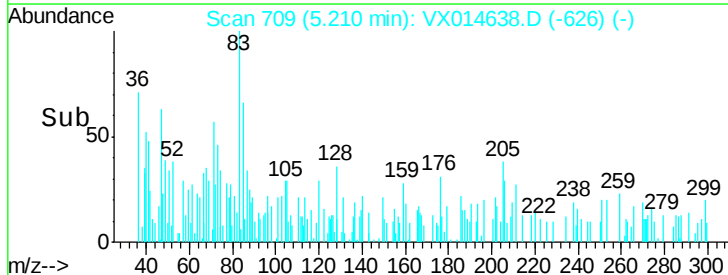
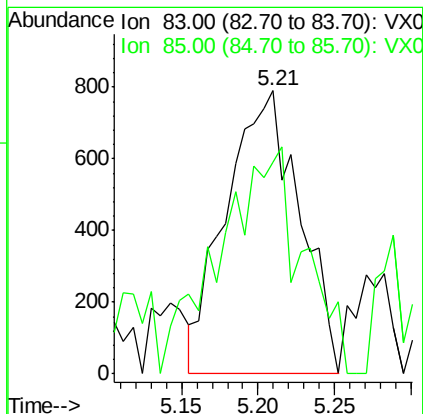
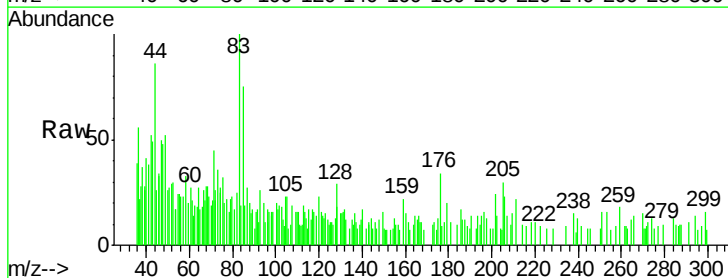
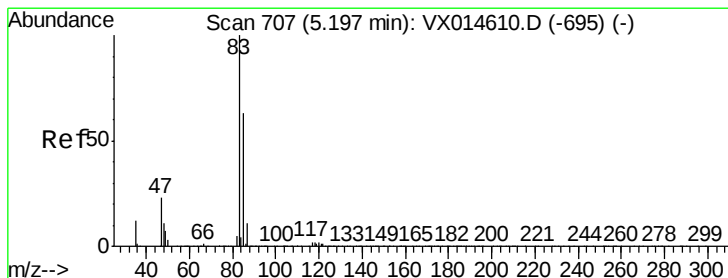
Instrument :
MSVOA_X
ClientSampleId :
400115761

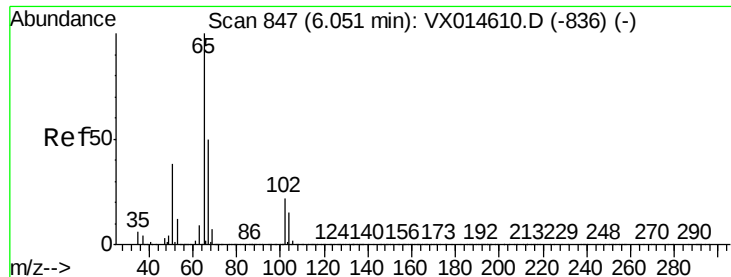
Tot Ion: 84 Resp: 958
Ion Ratio Lower Upper
84 100
49 79.9 102.2 153.2#
51 26.4 31.4 47.0#
86 44.5 50.8 76.2#



#25
Chloroform
Concen: 0.342 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX014638.D
Acq: 16 Jan 2020 15:10

Tgt Ion: 83 Resp: 2630
Ion Ratio Lower Upper
83 100
85 68.4 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 31.712 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014638.D

Acq: 16 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

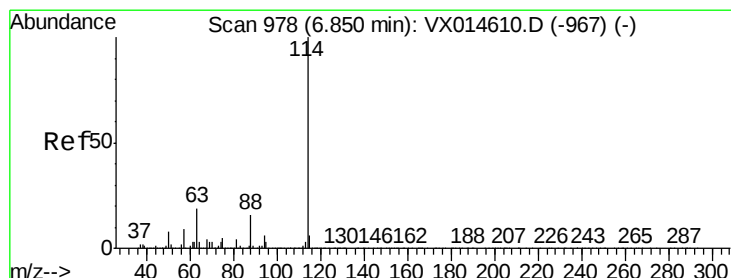
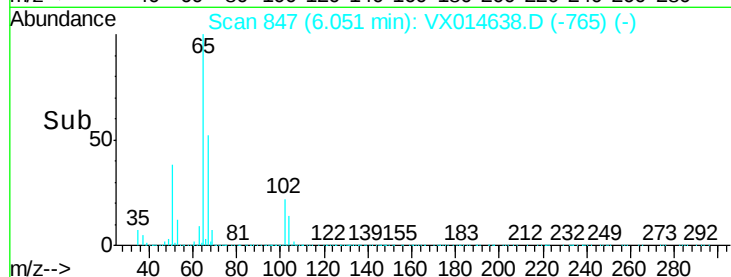
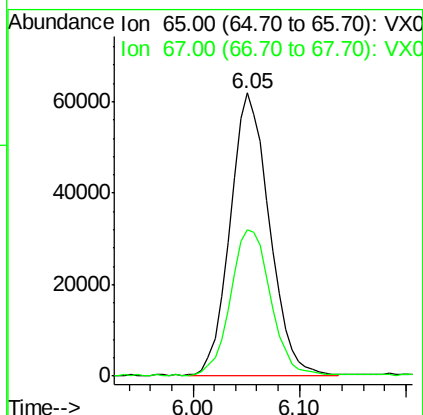
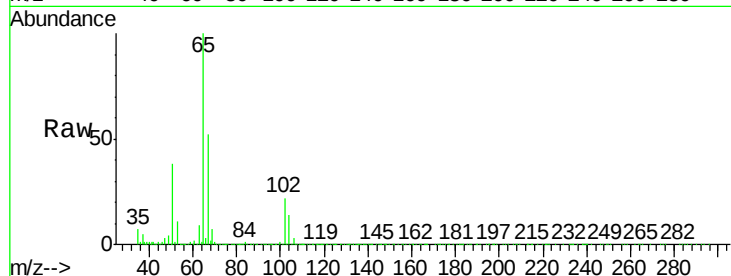
400115761

Tot Ion: 65 Resp: 160743

Ion Ratio Lower Upper

65 100

67 52.8 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: VX014638.D

Acq: 16 Jan 2020 15:10

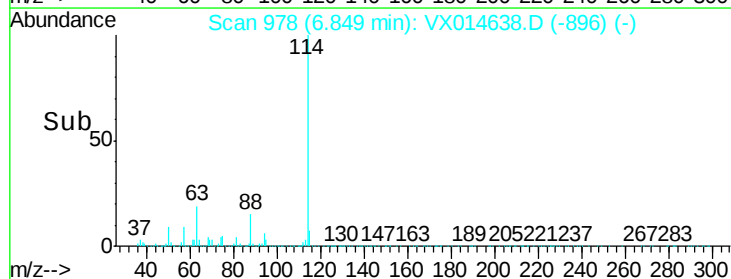
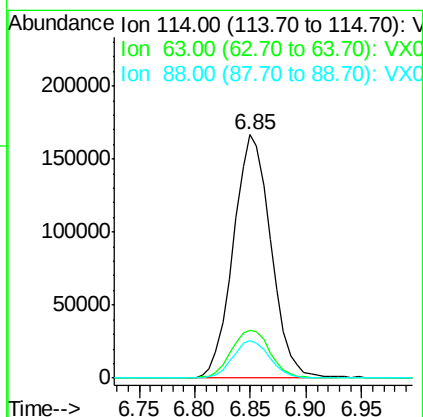
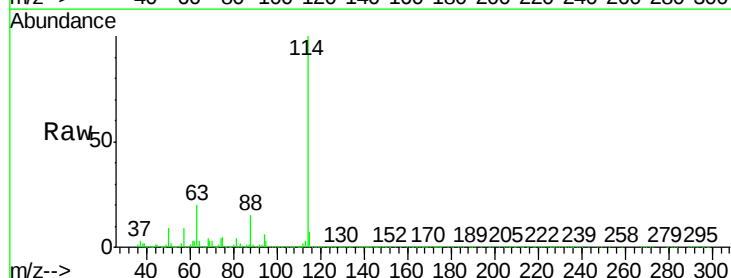
Tgt Ion: 114 Resp: 390040

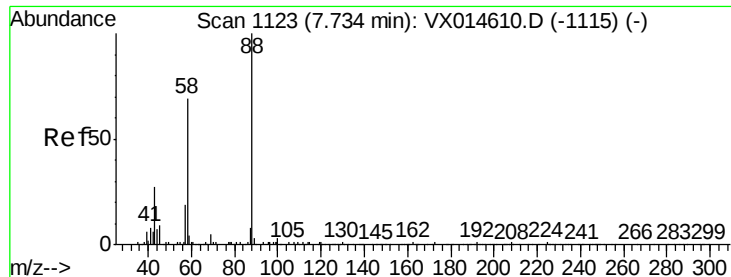
Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

88 15.0 12.5 18.7





#45

1,4-Dioxane

Concen: 2.806 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX014638.D

Acq: 16 Jan 2020 15:10

Instrument :

MSVOA_X

ClientSampleId :

400115761

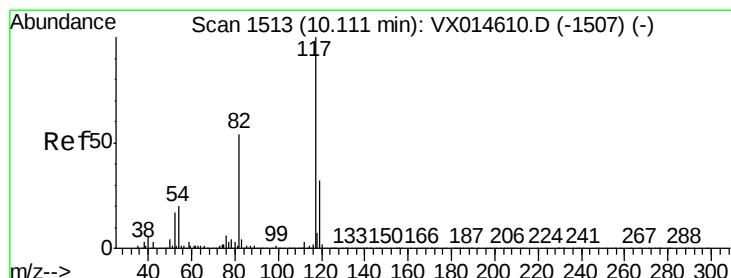
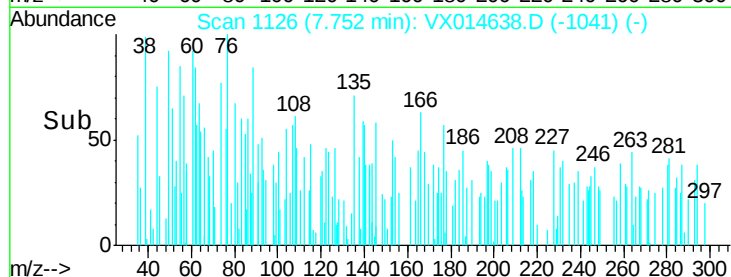
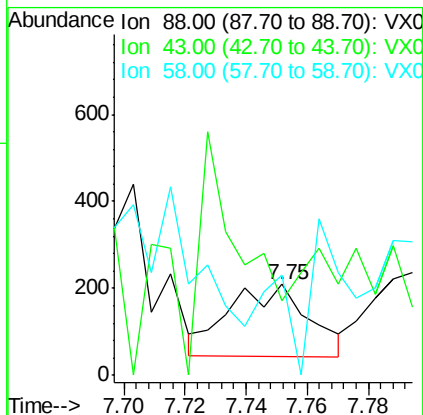
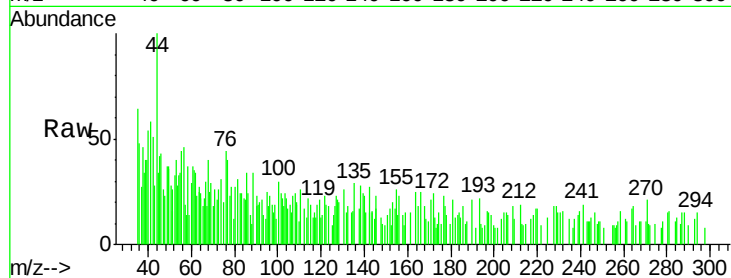
Tot Ion: 88 Resp: 297

Ion Ratio Lower Upper

88 100

43 197.0 25.4 38.2#

58 51.9 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: VX014638.D

Acq: 16 Jan 2020 15:10

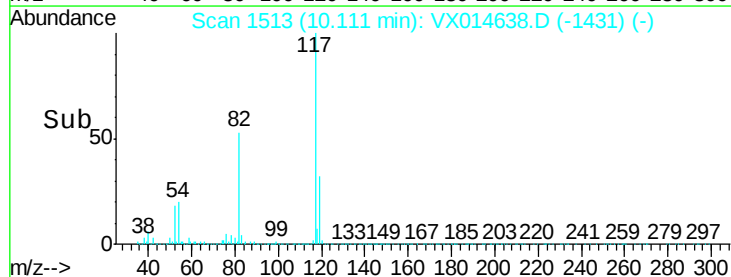
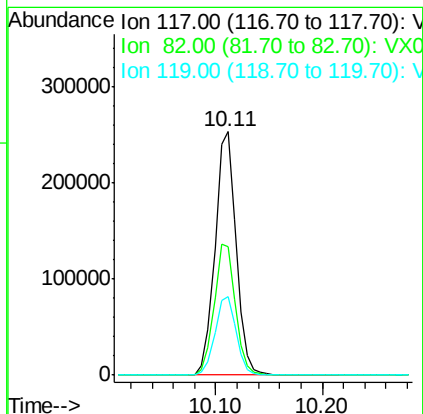
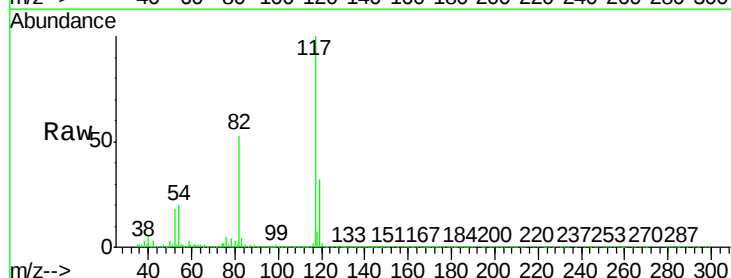
Tgt Ion: 117 Resp: 346073

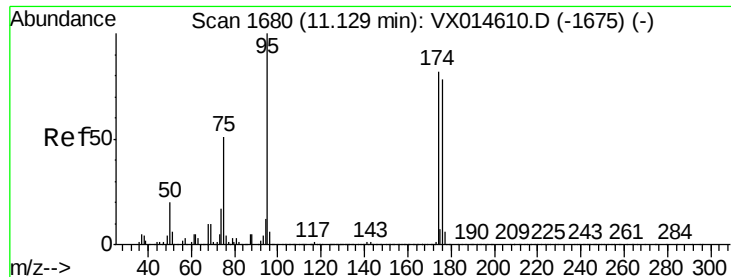
Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.6

119 32.3 25.8 38.6

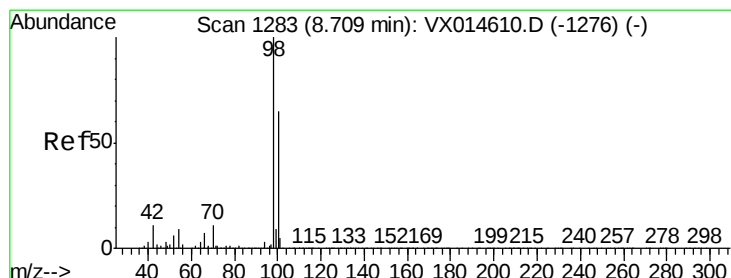
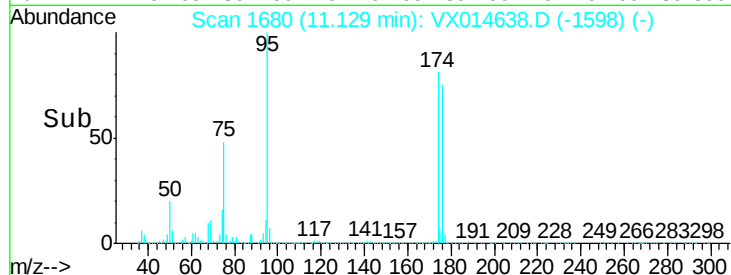
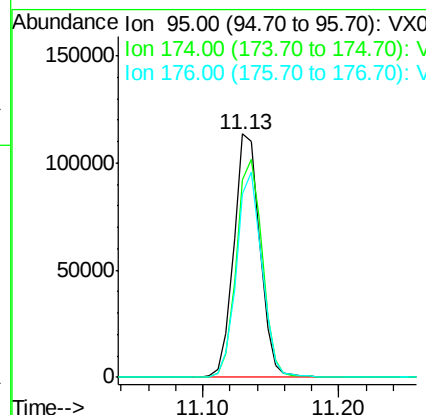
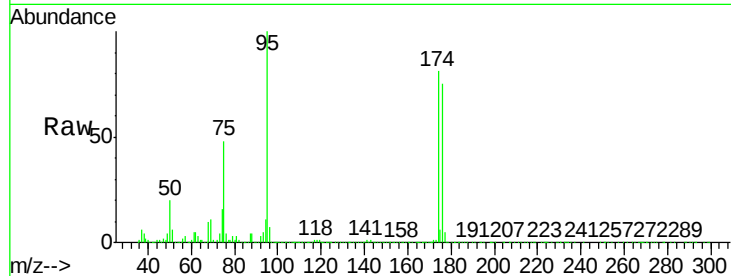




#60
4-Bromofluorobenzene
Concen: 27.173 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014638.D
Acq: 16 Jan 2020 15:10

Instrument :
MSVOA_X
ClientSampleId :
400115761

Tot Ion: 95 Resp: 150481
Ion Ratio Lower Upper
95 100
174 89.1 70.2 105.2
176 83.0 68.3 102.5



#63
Toluene-d8
Concen: 29.887 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014638.D
Acq: 16 Jan 2020 15:10

Tgt Ion: 98 Resp: 467191
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2

