

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014691.D
 Acq On : 24 Jan 2020 12:32
 Operator : JC/SP
 Sample : VX0124WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBL01

Quant Time: Jan 24 22:25:23 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	5.00	128	69168	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	365641	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	321281	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	154266	31.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.77%
60) 4-Bromofluorobenzene	11.13	95	136079	26.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.23%
63) Toluene-d8	8.71	98	438075	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

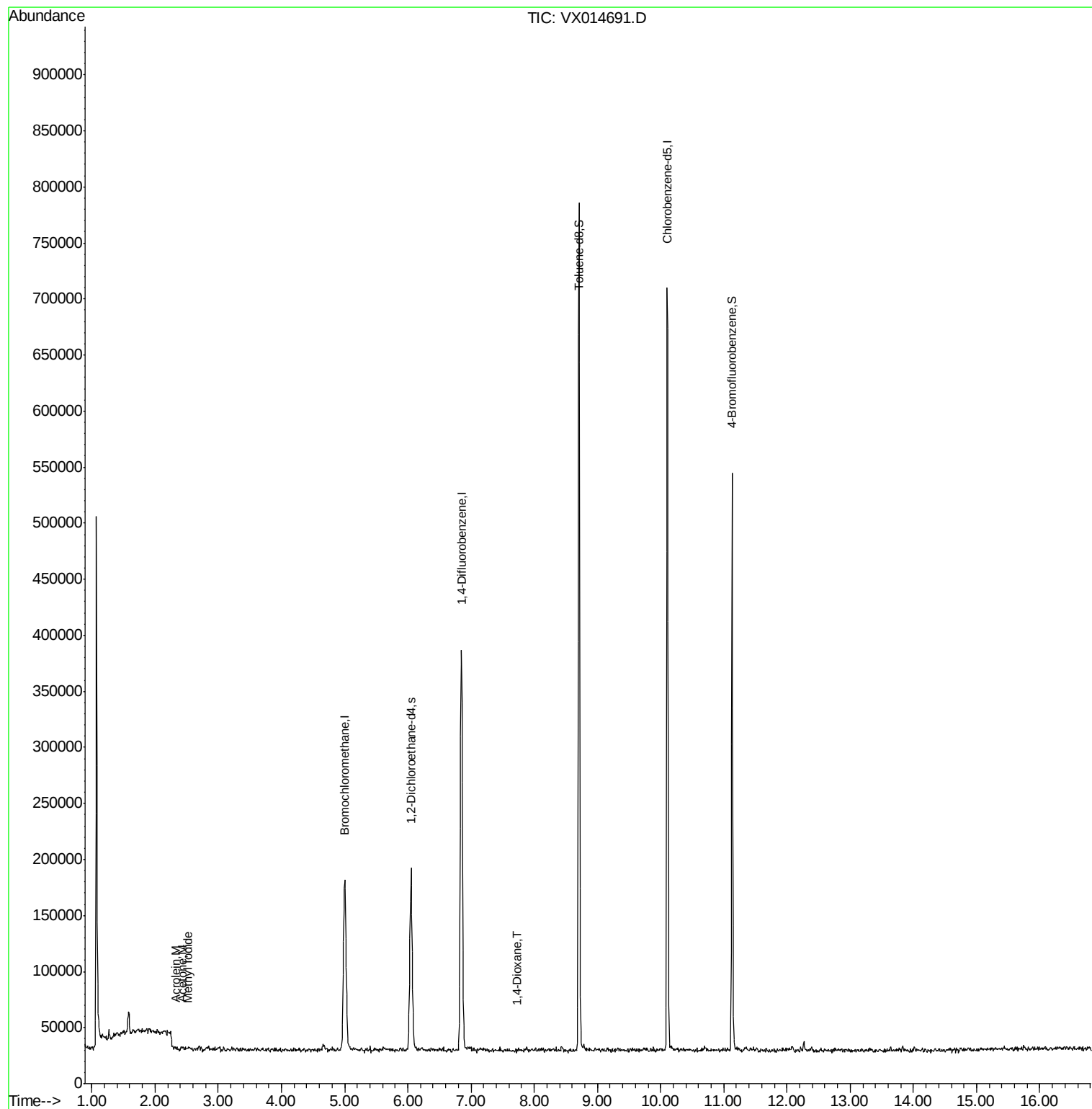
					Ovalue
11) Methyl Iodide	2.51	142	1299	0.253 ug/l	96
13) Acrolein	2.33	56	294	0.405 ug/l	91
15) Acetone	2.44	58	855	1.078 ug/l	97
45) 1,4-Dioxane	7.73	88	100	1.008 ug/l #	1

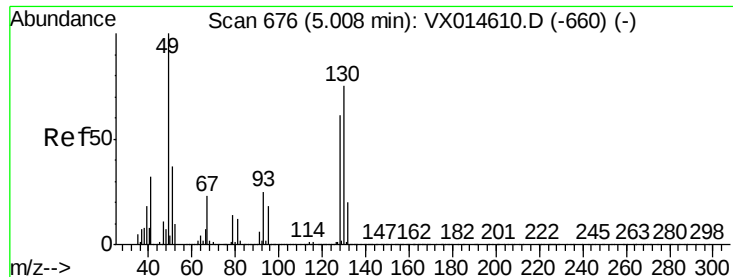
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014691.D

Acq: 24 Jan 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBL01

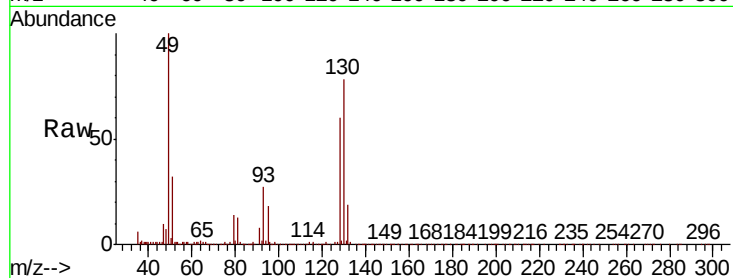
Tot Ion:128 Resp: 69168

Ion Ratio Lower Upper

128 100

49 163.4 0.0 405.0

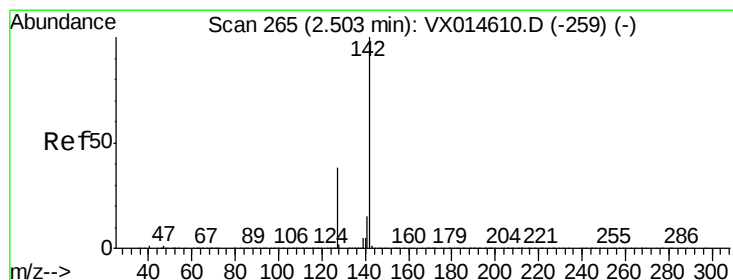
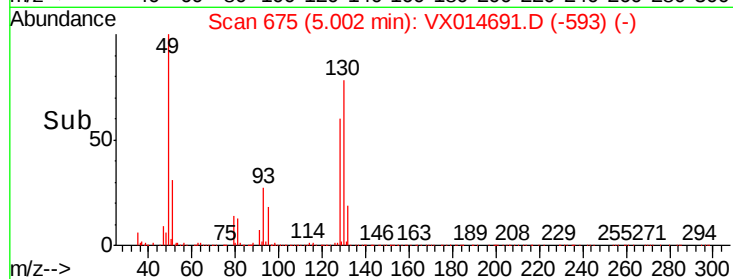
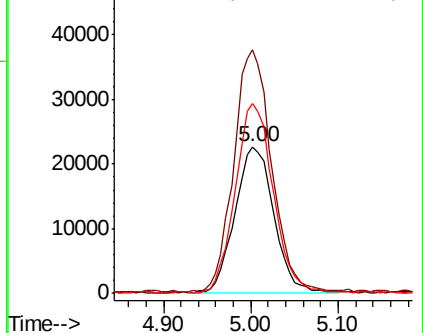
130 128.8 0.0 321.5



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



#11

Methyl Iodide

Concen: 0.253 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014691.D

Acq: 24 Jan 2020 12:32

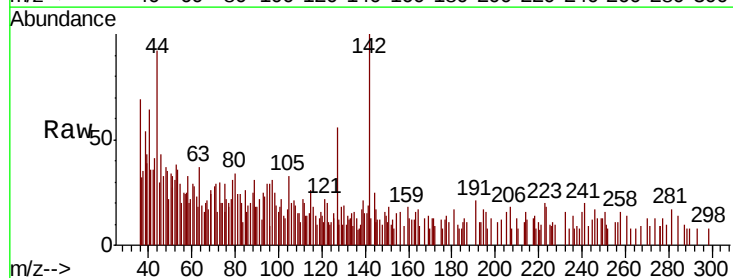
Tgt Ion:142 Resp: 1299

Ion Ratio Lower Upper

142 100

127 39.0 19.5 58.5

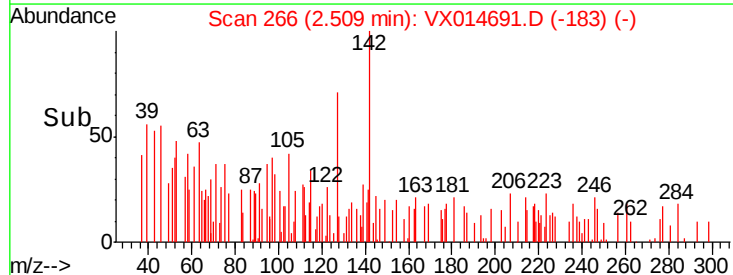
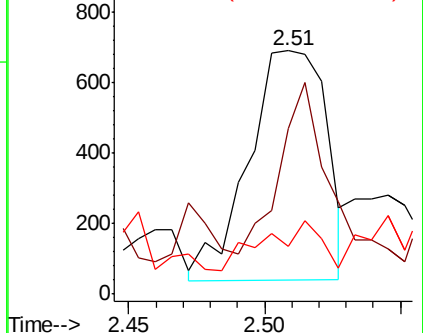
141 7.5 7.0 20.9

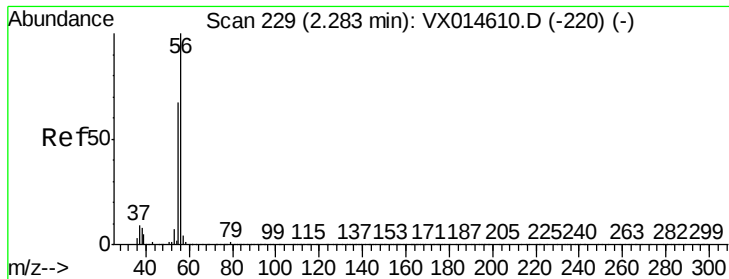


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.405 ug/l

RT: 2.33 min Scan# 236

Delta R.T. 0.04 min

Lab File: VX014691.D

Acq: 24 Jan 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

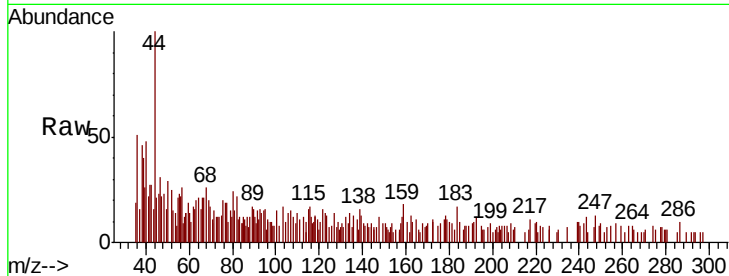
VX0124WBL01

Tot Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 61.2 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.33

600

500

400

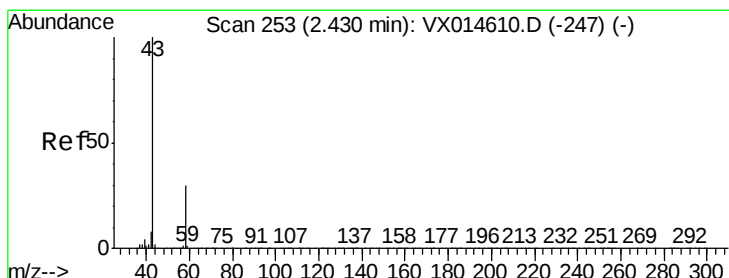
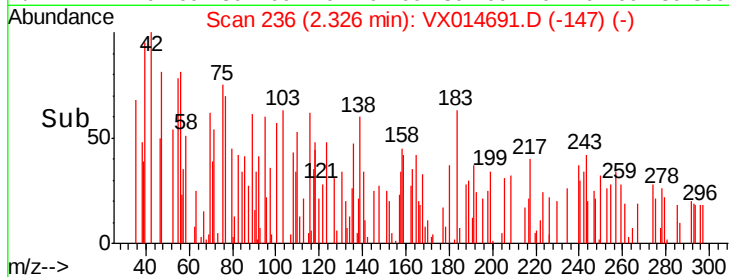
300

200

100

0

Time-->



#15

Acetone

Concen: 1.078 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX014691.D

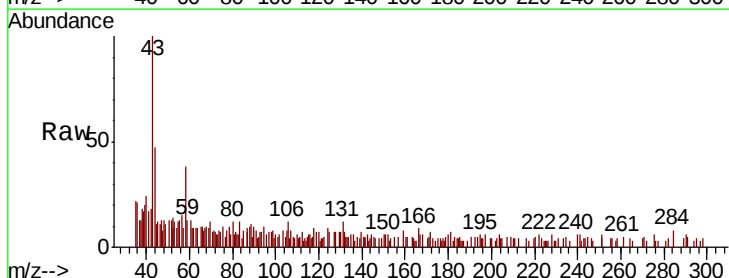
Acq: 24 Jan 2020 12:32

Tgt Ion: 58 Resp: 855

Ion Ratio Lower Upper

58 100

43 289.5 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

2500

2000

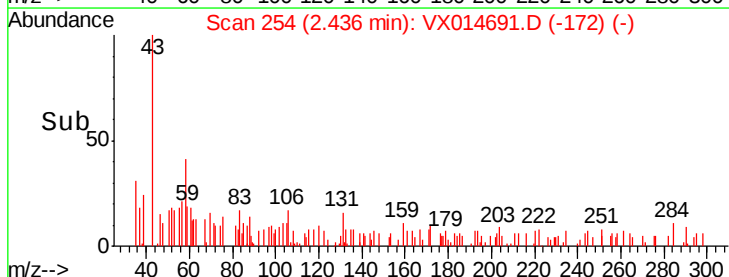
1500

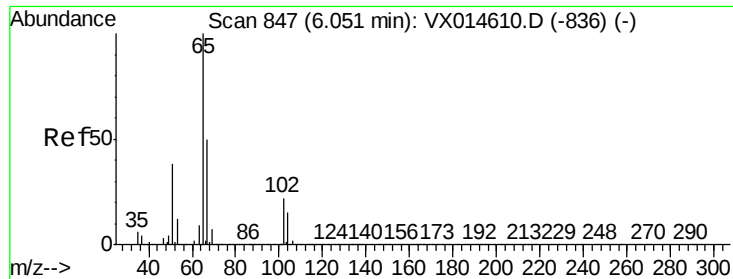
1000

500

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 31.731 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014691.D

Acq: 24 Jan 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

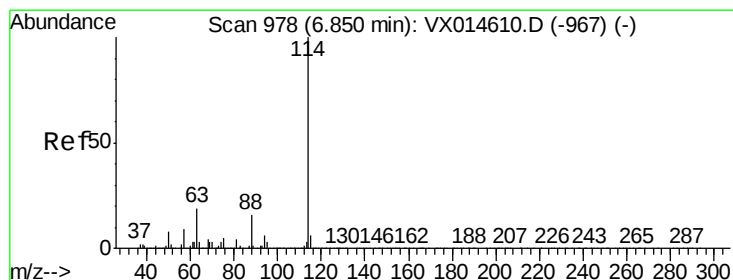
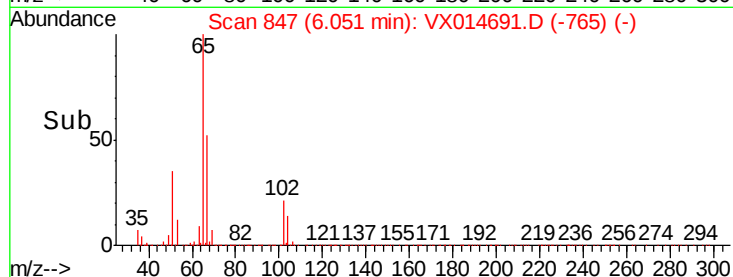
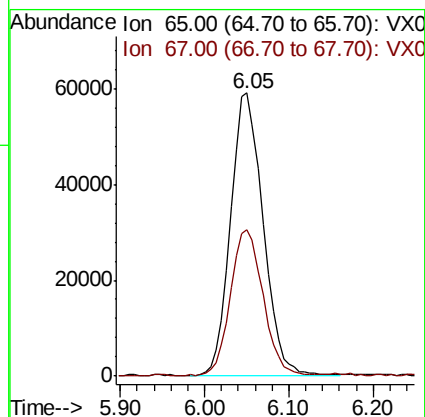
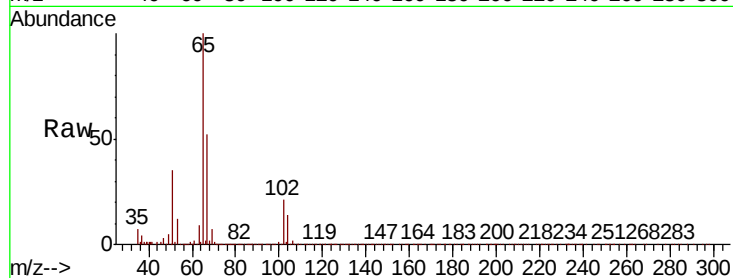
VX0124WBL01

Tot Ion: 65 Resp: 154266

Ion Ratio Lower Upper

65 100

67 51.7 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: VX014691.D

Acq: 24 Jan 2020 12:32

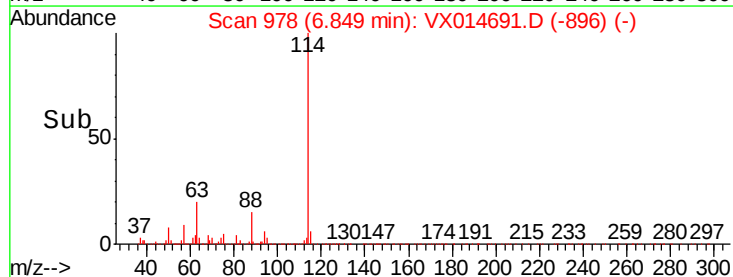
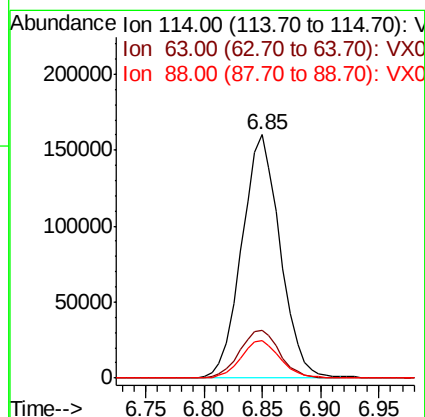
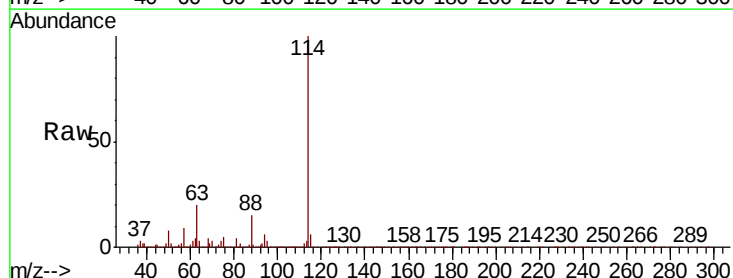
Tgt Ion: 114 Resp: 365641

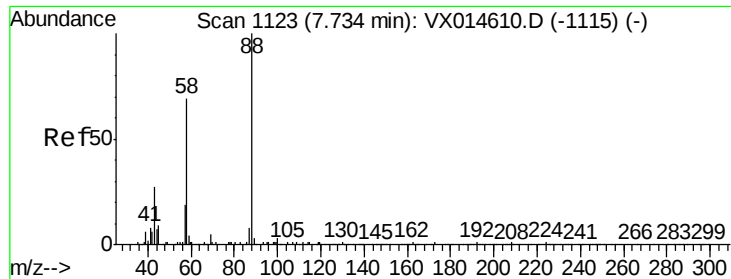
Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

88 15.6 12.5 18.7





#45

1,4-Dioxane

Concen: 1.008 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX014691.D

Acq: 24 Jan 2020 12:32

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBL01

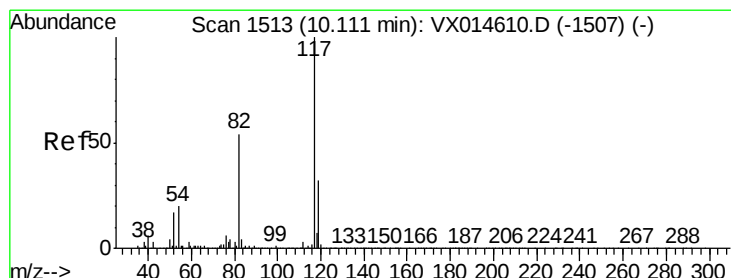
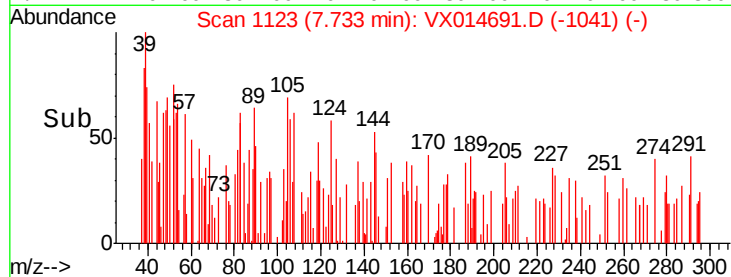
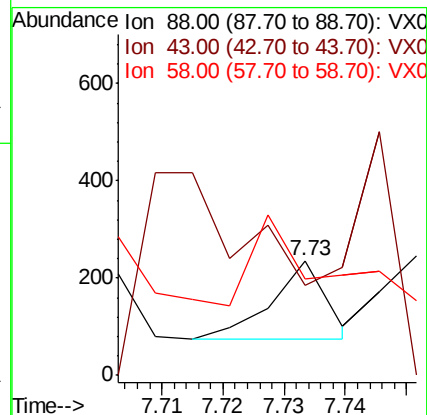
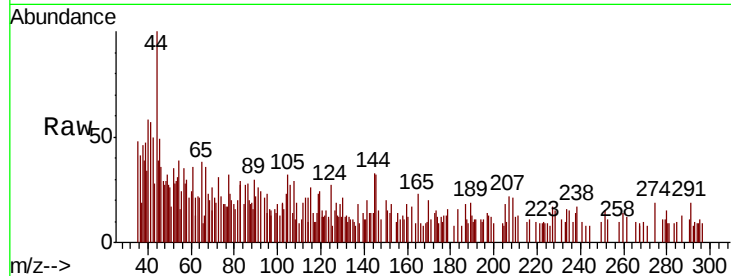
Tot Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 574.0 25.4 38.2#

58 98.0 56.5 84.7#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014691.D

Acq: 24 Jan 2020 12:32

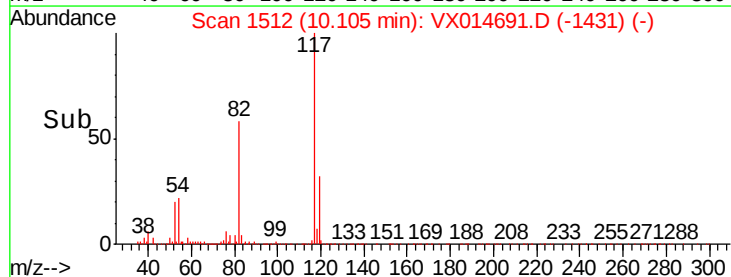
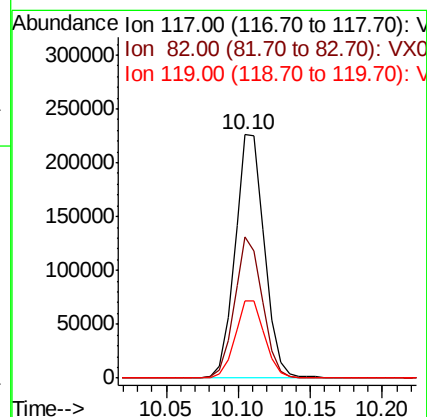
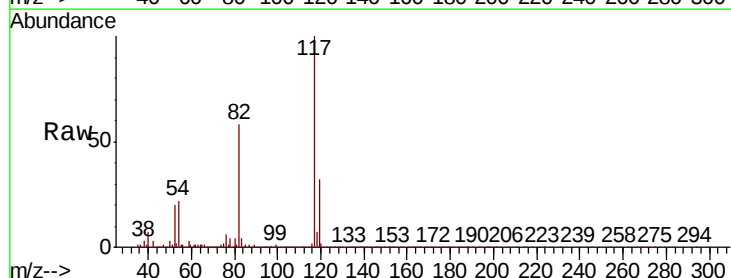
Tgt Ion: 117 Resp: 321281

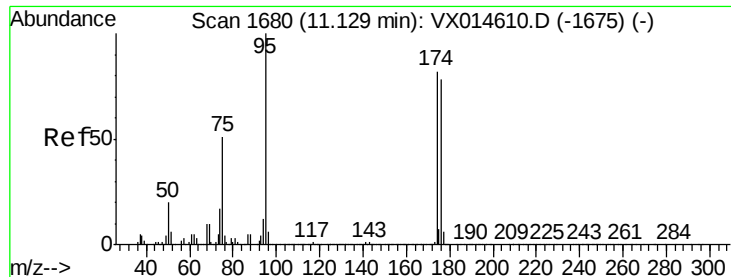
Ion Ratio Lower Upper

117 100

82 55.1 43.8 65.6

119 32.2 25.8 38.6

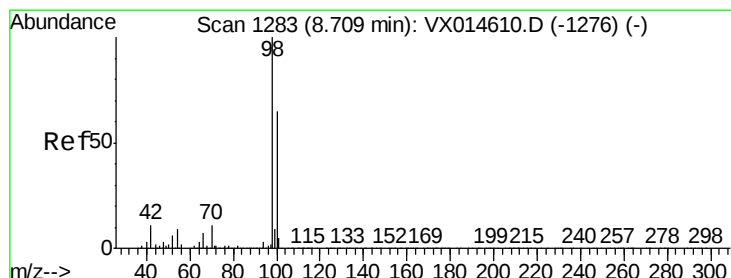
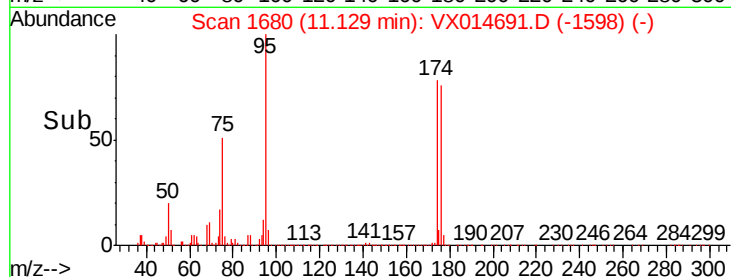
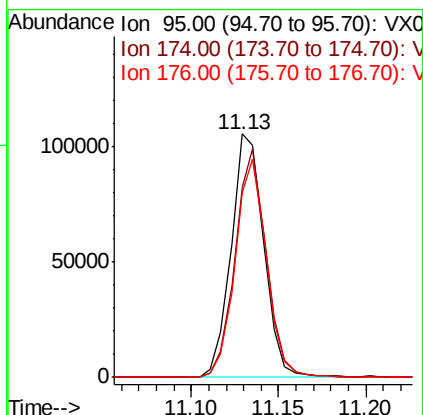
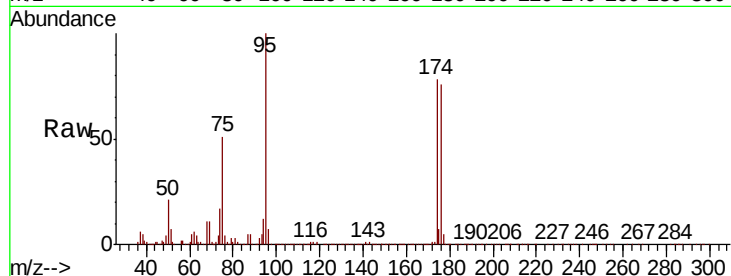




#60
4-Bromofluorobenzene
Concen: 26.469 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014691.D
Acq: 24 Jan 2020 12:32

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBL01

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.9	70.2	105.2
176	86.2	68.3	102.5



#63
Toluene-d8
Concen: 30.187 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014691.D
Acq: 24 Jan 2020 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.2	78.2

