

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120719\
 Data File : VX0137841.D
 Acq On : 07 Dec 2019 03:25 pm
 Operator : JC/SP
 Sample : K6198-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 09 02:13:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	99118	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	558196	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	481587	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	215463	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	11.13	95	214746	27.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.47%
63) Toluene-d8	8.71	98	656537	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

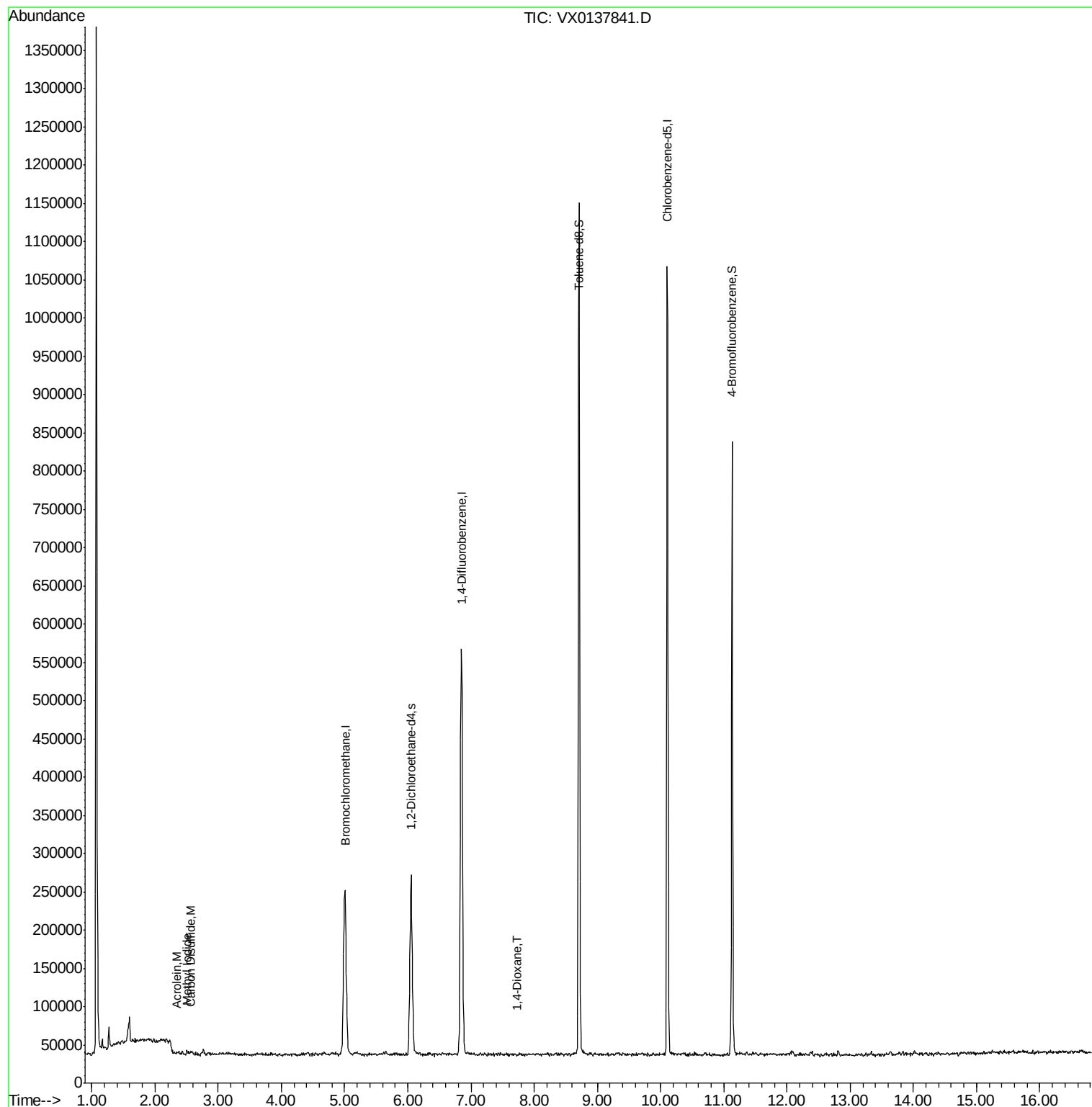
					Ovalue	
11) Methyl Iodide	2.51	142	3180	0.421	ug/l #	72
13) Acrolein	2.36	56	358	0.314	ug/l	88
16) Carbon Disulfide	2.56	76	4458	0.261	ug/l	99
45) 1,4-Dioxane	7.73	88	137	0.752	ug/l #	1

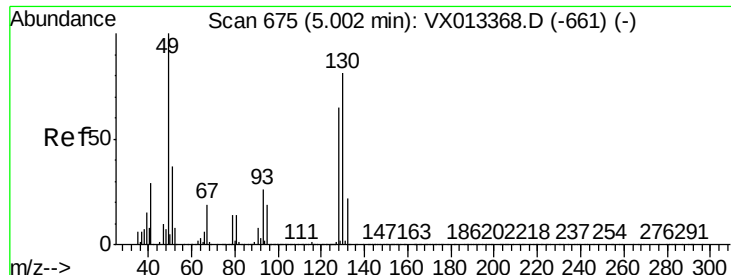
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 01:16:13 2019
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: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

Instrument :

MSVOA_X

ClientSampleId :

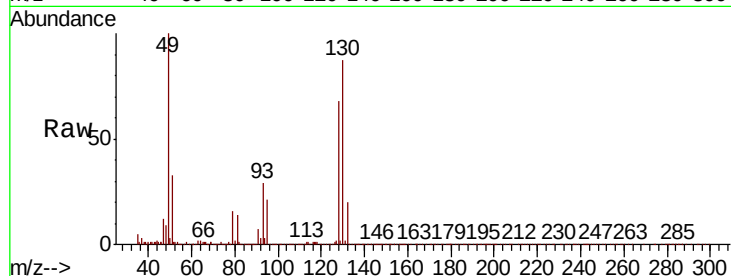
Tot Ion:128 Resp: 99118

Ion Ratio Lower Upper

128 100

49 158.9 0.0 388.3

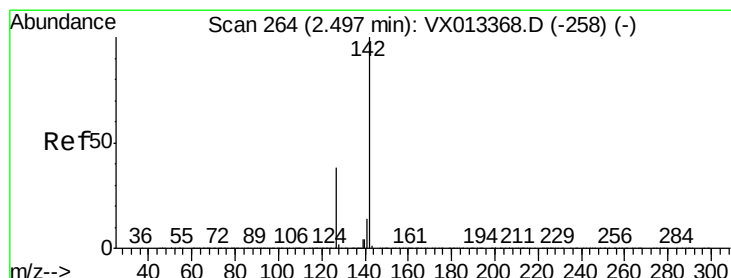
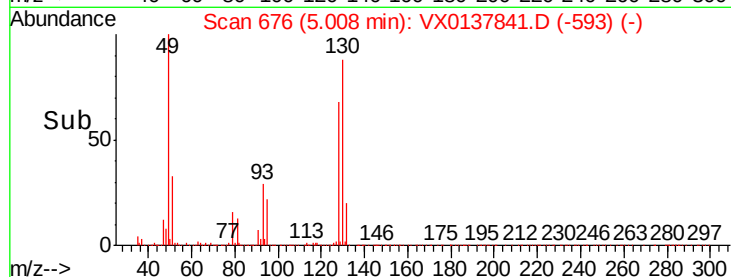
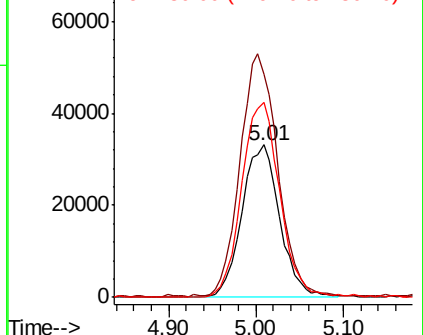
130 128.6 0.0 318.5



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: 0.421 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

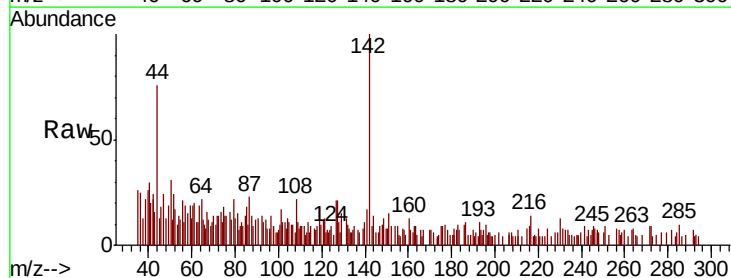
Tgt Ion:142 Resp: 3180

Ion Ratio Lower Upper

142 100

127 15.3 19.1 57.5#

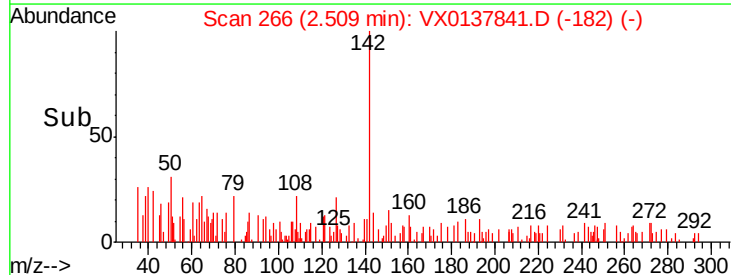
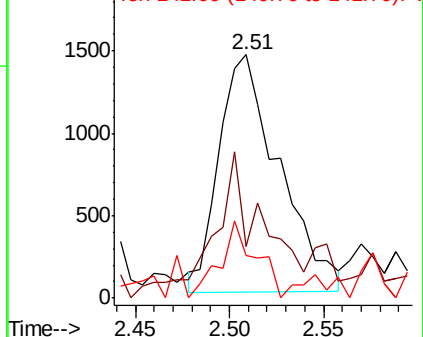
141 14.7 7.0 21.0

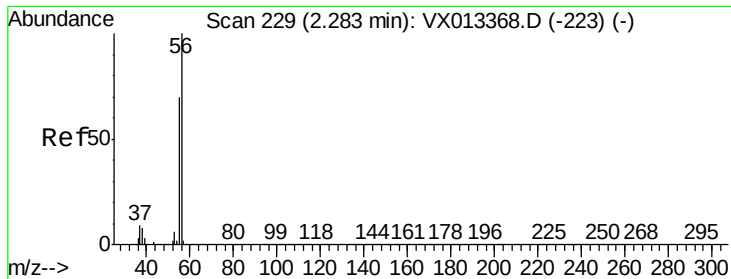


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.314 ug/l

RT: 2.36 min Scan# 241

Delta R.T. 0.07 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

Instrument :

MSVOA_X

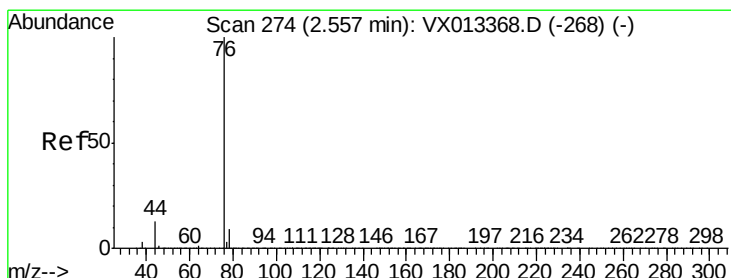
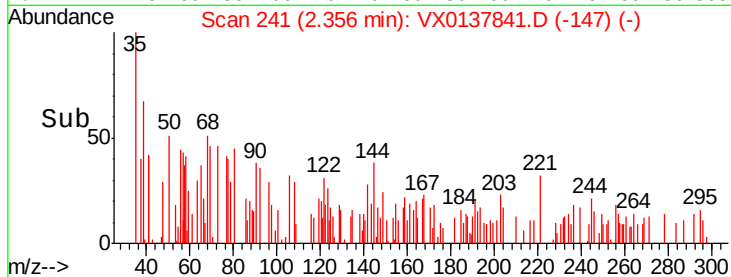
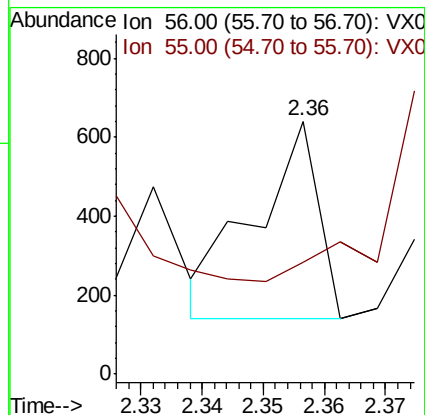
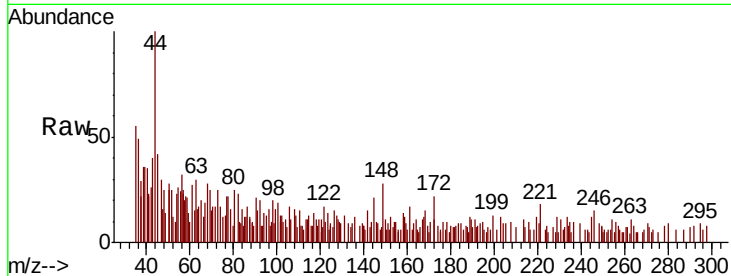
ClientSampleId :

Tot Ion: 56 Resp: 358

Ion Ratio Lower Upper

56 100

55 59.8 55.8 83.8



#16

Carbon Disulfide

Concen: 0.261 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX0137841.D

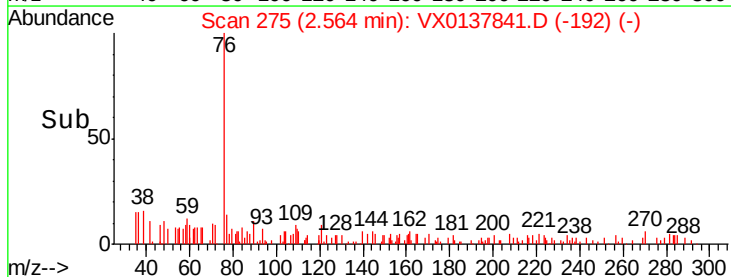
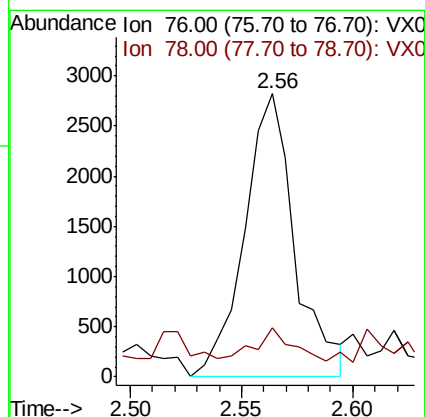
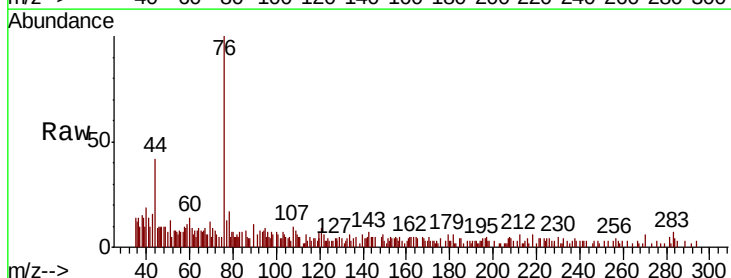
Acq: 07 Dec 2019 03:25 pm

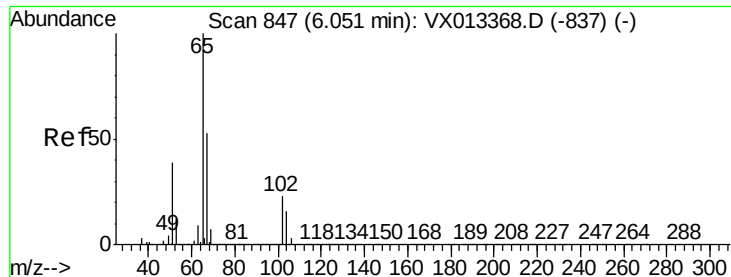
Tgt Ion: 76 Resp: 4458

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0





#27

1,2-Dichloroethane-d4

Concen: 29.439 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

Instrument :

MSVOA_X

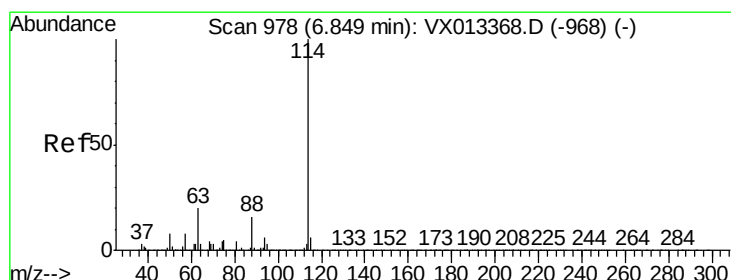
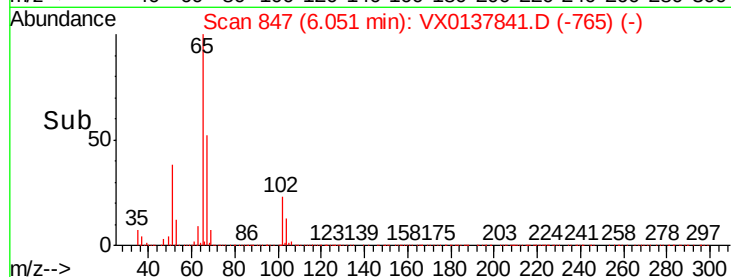
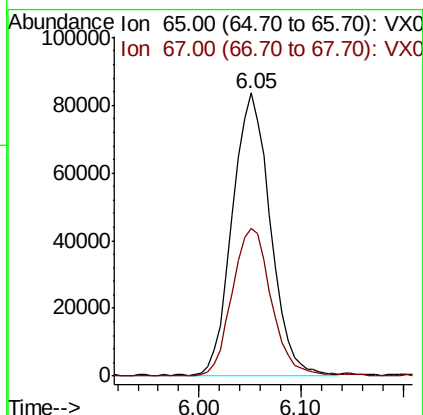
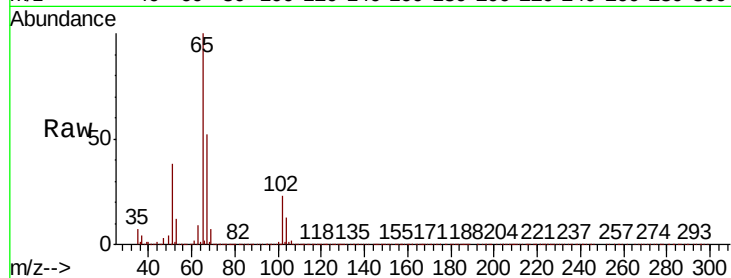
ClientSampleId :

Tot Ion: 65 Resp: 215463

Ion Ratio Lower Upper

65 100

67 53.5 41.0 61.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

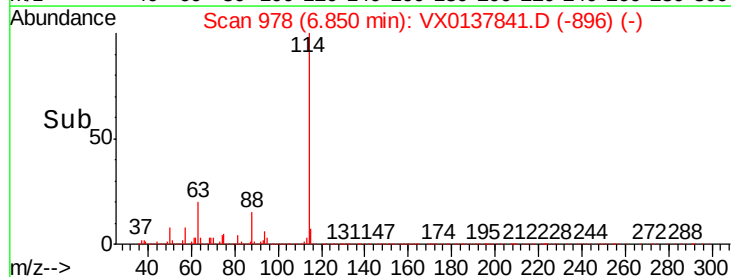
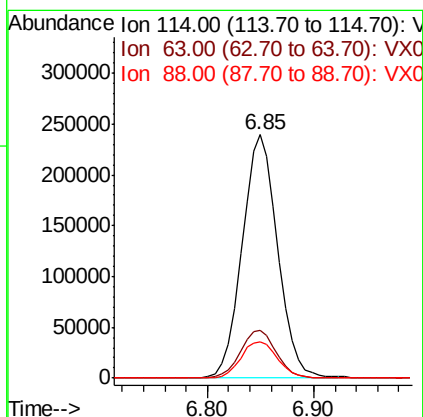
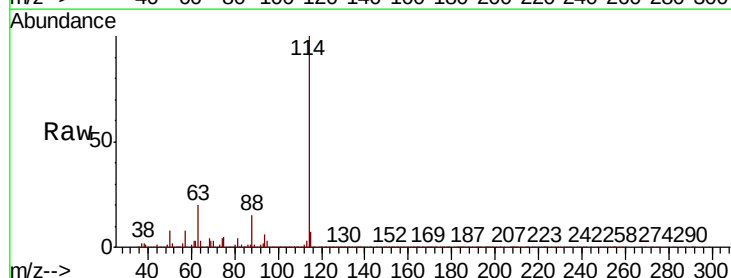
Tgt Ion: 114 Resp: 558196

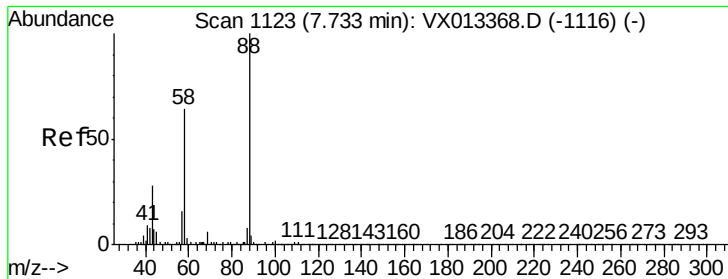
Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

88 15.5 12.3 18.5





#45

1,4-Dioxane

Concen: 0.752 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

Instrument :

MSVOA_X

ClientSampleId :

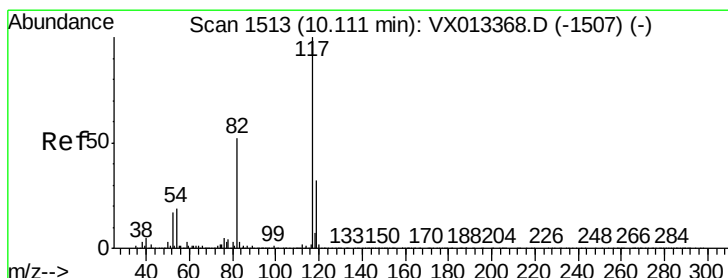
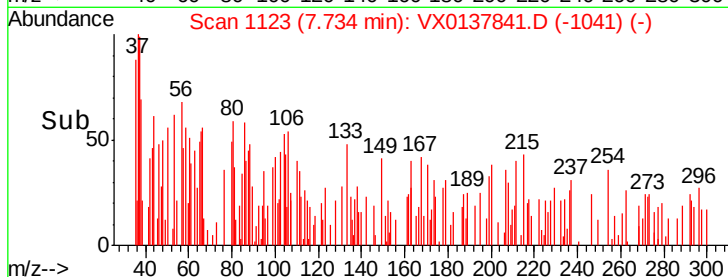
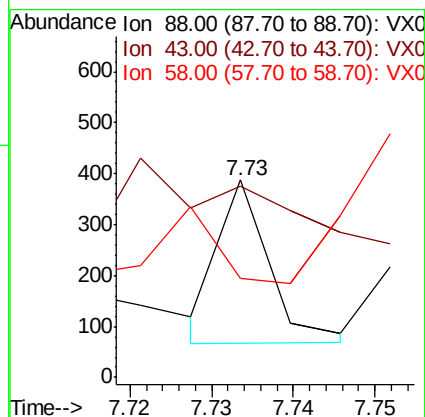
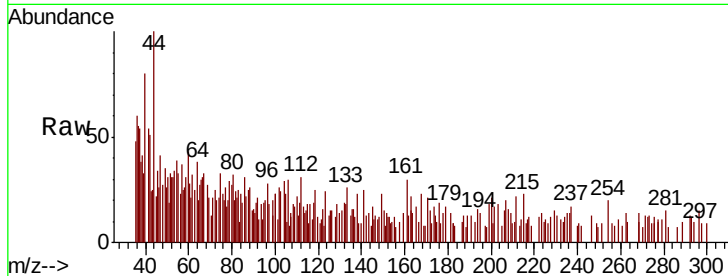
Tot Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

43 359.1 26.1 39.1#

58 51.1 55.8 83.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

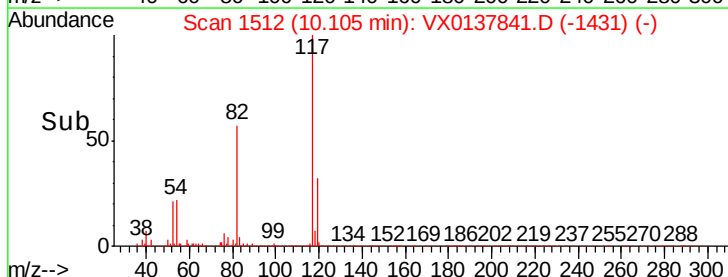
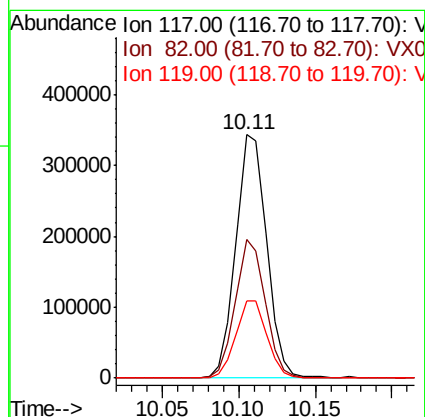
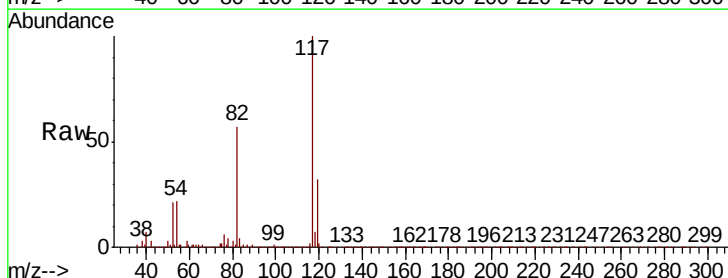
Tgt Ion: 117 Resp: 481587

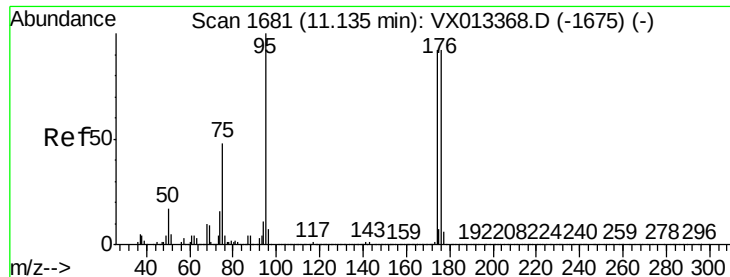
Ion Ratio Lower Upper

117 100

82 54.9 43.7 65.5

119 32.2 25.5 38.3





#60

4-Bromofluorobenzene

Concen: 27.743 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX0137841.D

Acq: 07 Dec 2019 03:25 pm

Instrument :

MSVOA_X

ClientSampleId :

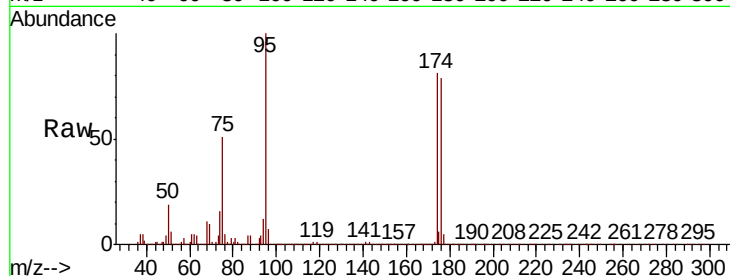
Tot Ion: 95 Resp: 214746

Ion Ratio Lower Upper

95 100

174 89.7 70.2 105.2

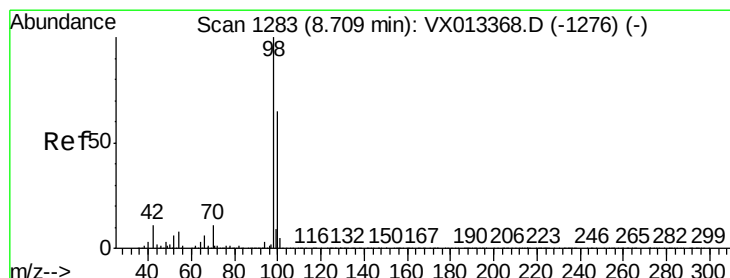
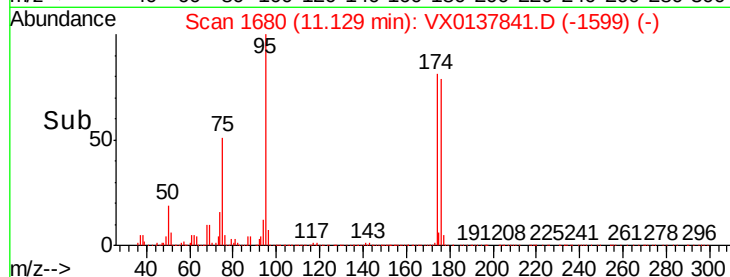
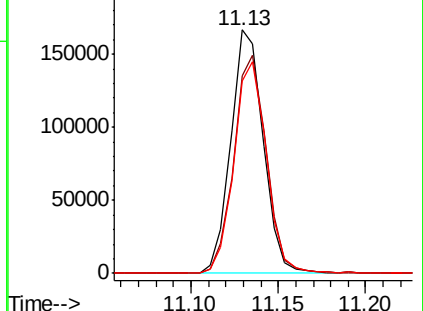
176 87.3 68.3 102.5



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.148 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0137841.D

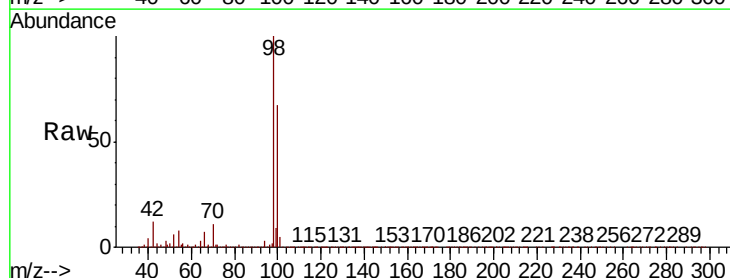
Acq: 07 Dec 2019 03:25 pm

Tgt Ion: 98 Resp: 656537

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

