

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013541.D
 Acq On : 22 Nov 2019 18:18
 Operator : JC/SP
 Sample : K5978-03 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

Quant Time: Nov 22 22:26:10 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	5.00	128	114270	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	618956	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	535668	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	242197	28.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.67%
60) 4-Bromofluorobenzene	11.14	95	234445	27.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.77%
63) Toluene-d8	8.71	98	727122	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

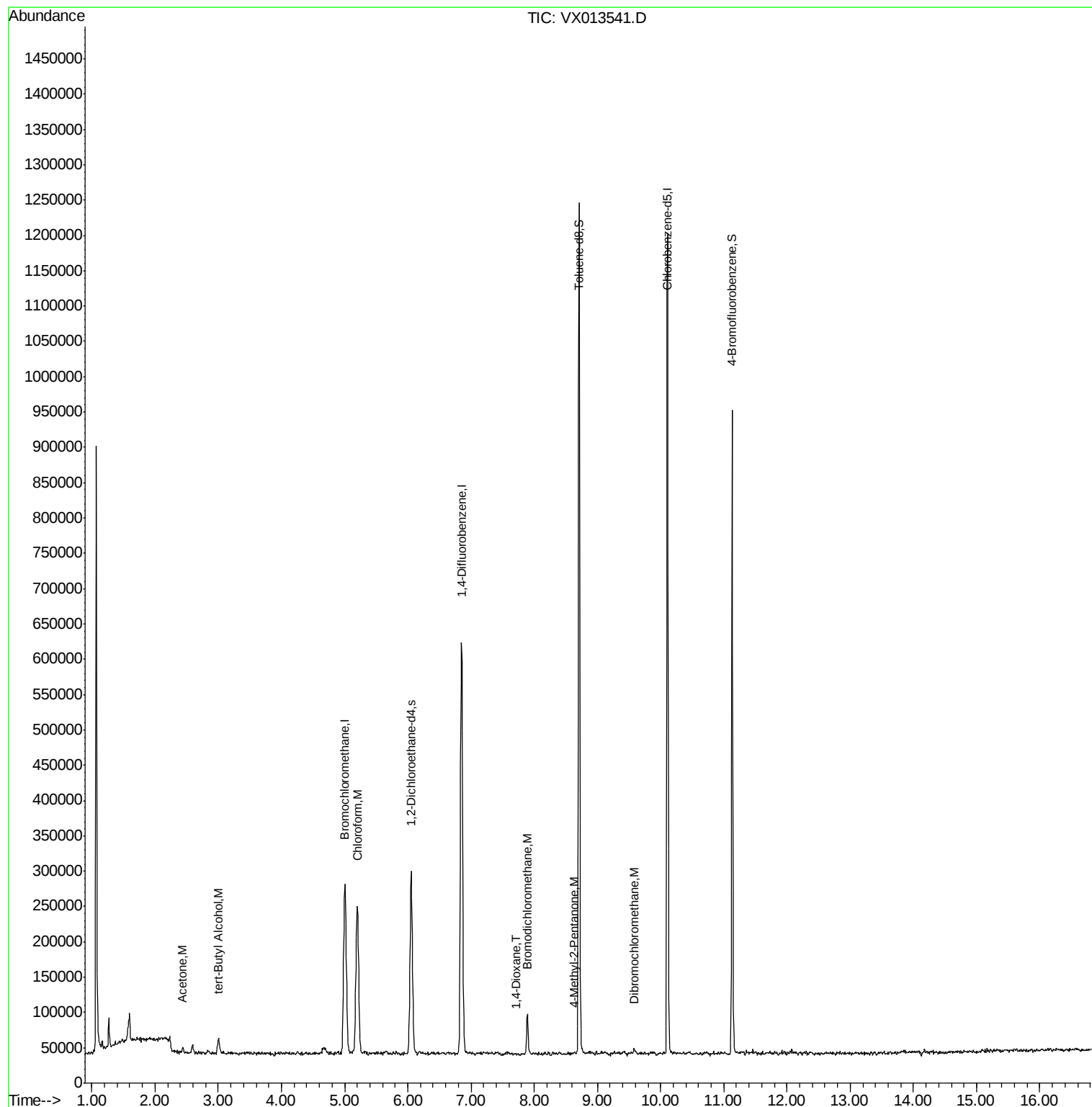
					Ovalue
15) Acetone	2.43	58	2171	1.576	ug/l 90
23) tert-Butyl Alcohol	3.01	59	13399	6.123	ug/l # 97
25) Chloroform	5.20	83	257882	19.345	ug/l 95
41) Bromodichloromethane	7.89	83	36304	3.769	ug/l 98
45) 1,4-Dioxane	7.72	88	180	0.891	ug/l # 70
53) Dibromochloromethane	9.58	129	2890	0.373	ug/l 86
58) 4-Methyl-2-Pentanone	8.63	43	2755	0.246	ug/l # 53

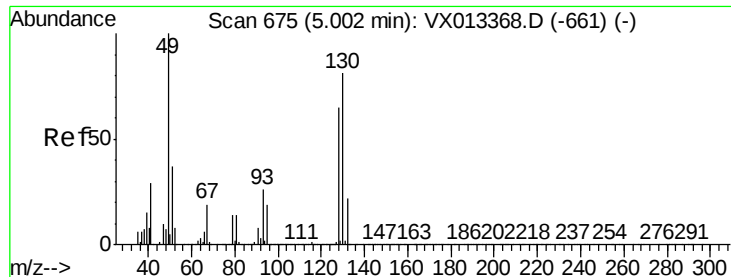
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

14B-3

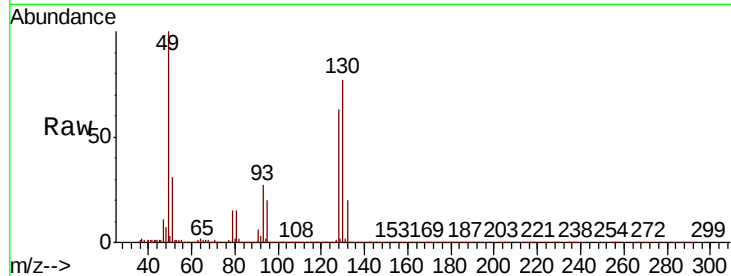
Tot Ion:128 Resp: 114270

Ion Ratio Lower Upper

128 100

49 152.2 0.0 388.3

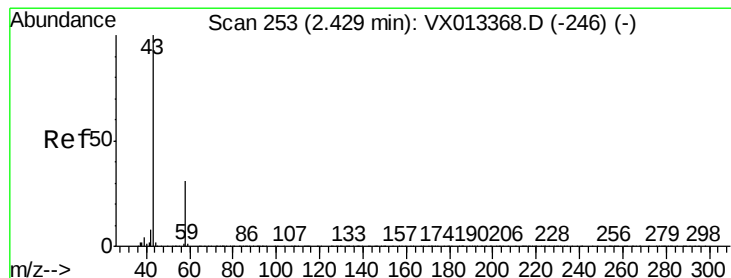
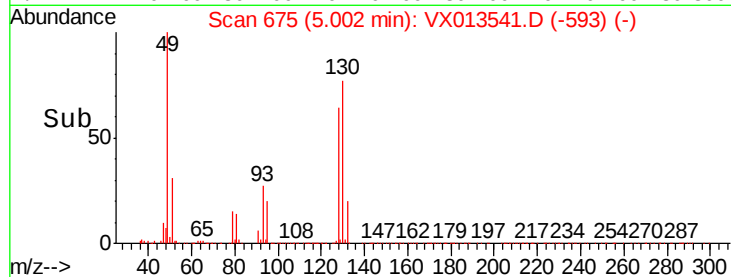
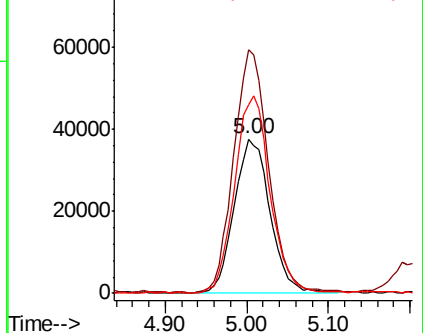
130 125.8 0.0 318.5



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



#15

Acetone

Concen: 1.576 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013541.D

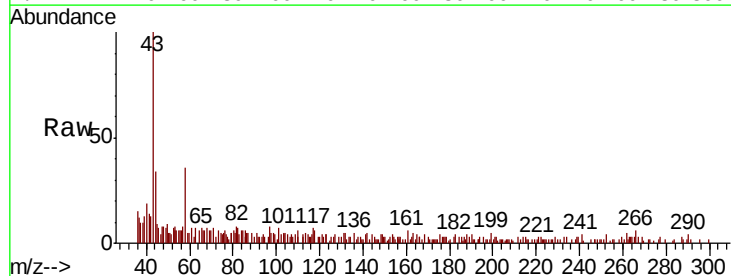
Acq: 22 Nov 2019 18:18

Tgt Ion: 58 Resp: 2171

Ion Ratio Lower Upper

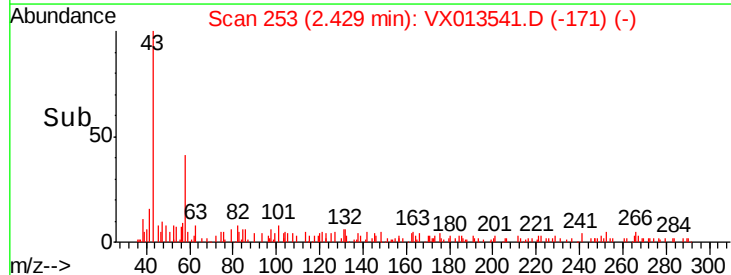
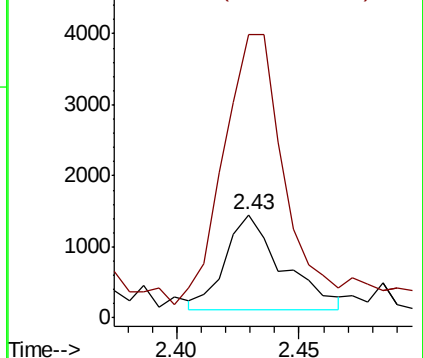
58 100

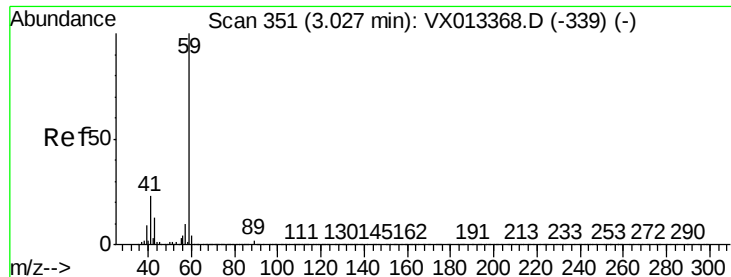
43 307.1 261.4 392.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#23

tert-Butyl Alcohol

Concen: 6.123 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

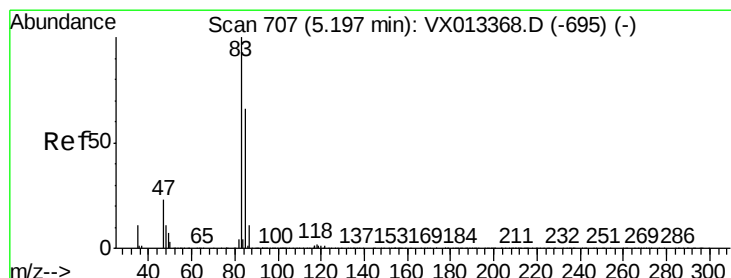
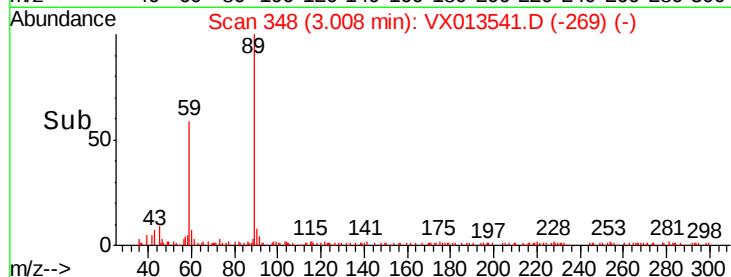
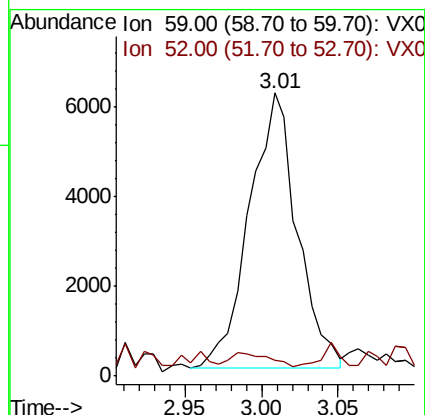
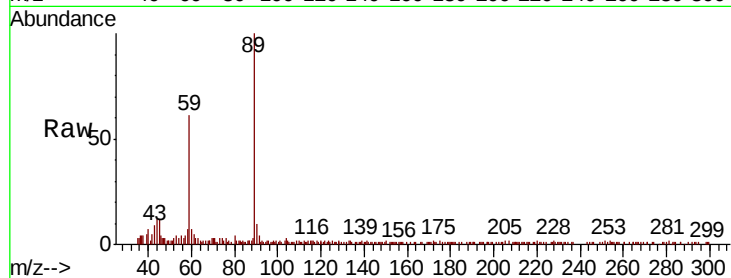
14B-3

Tot Ion: 59 Resp: 13399

Ion Ratio Lower Upper

59 100

52 6.2 0.1 0.1#



#25

Chloroform

Concen: 19.345 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013541.D

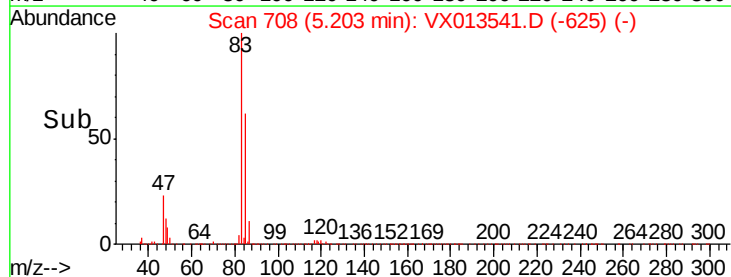
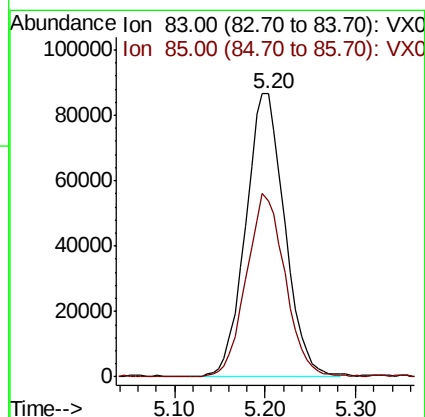
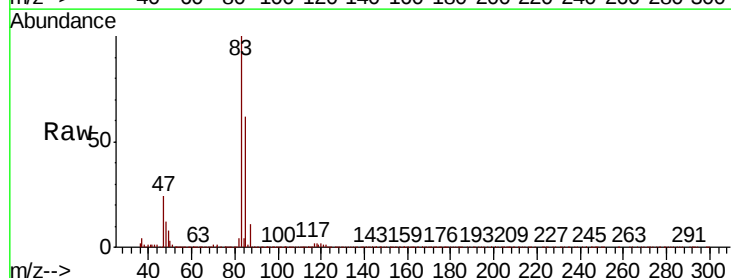
Acq: 22 Nov 2019 18:18

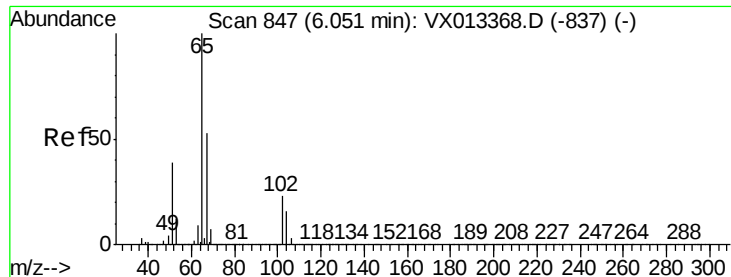
Tgt Ion: 83 Resp: 257882

Ion Ratio Lower Upper

83 100

85 61.7 52.4 78.6





#27

1,2-Dichloroethane-d4

Concen: 28.703 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

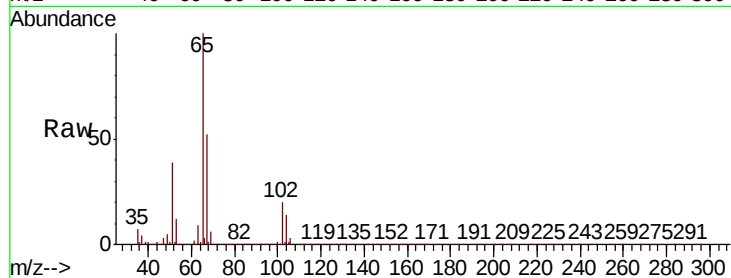
14B-3

Tot Ion: 65 Resp: 242197

Ion Ratio Lower Upper

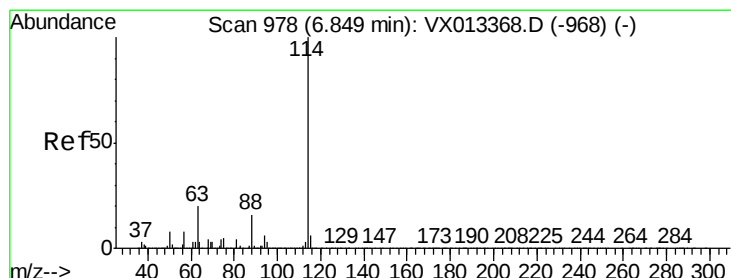
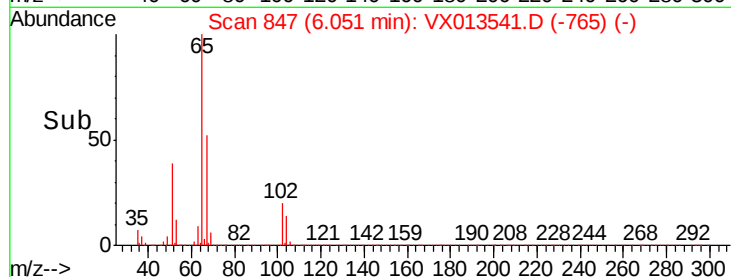
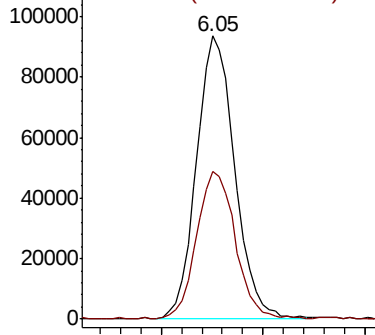
65 100

67 52.1 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

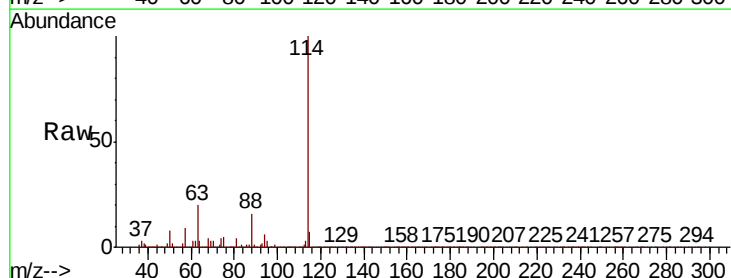
Tgt Ion: 114 Resp: 618956

Ion Ratio Lower Upper

114 100

63 20.0 16.1 24.1

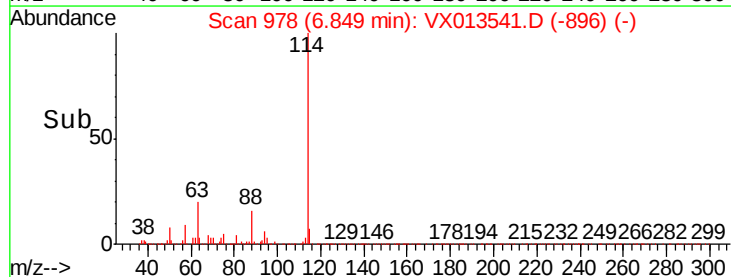
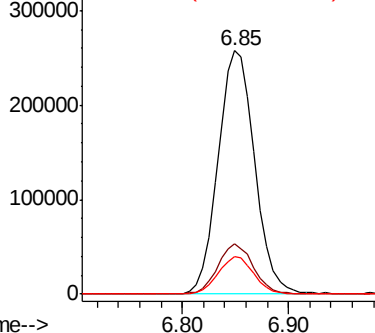
88 15.1 12.3 18.5

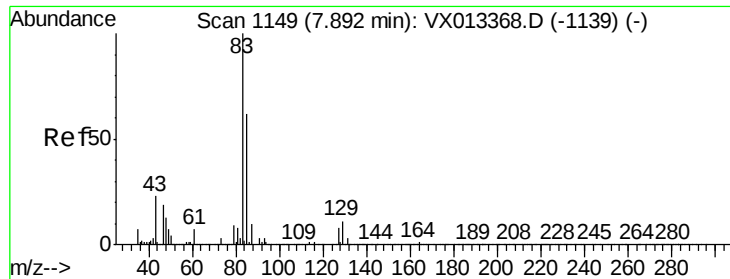


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#41

Bromodichloromethane

Concen: 3.769 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampled :

14B-3

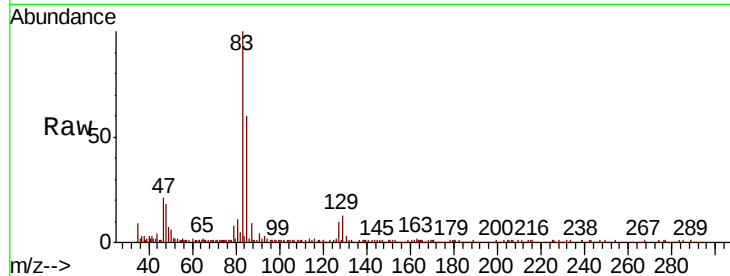
Tot Ion: 83 Resp: 36304

Ion Ratio Lower Upper

83 100

85 59.8 49.3 73.9

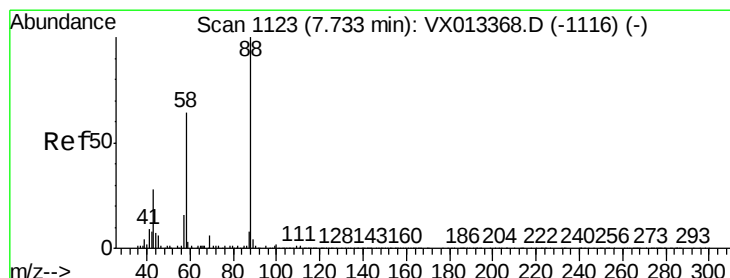
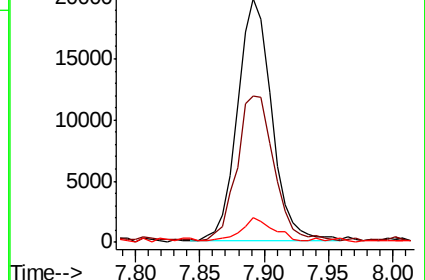
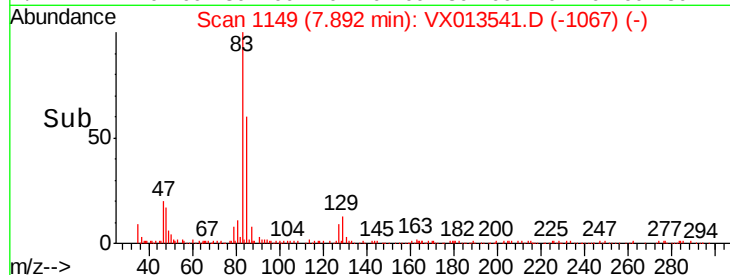
127 8.7 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#45

1,4-Dioxane

Concen: 0.891 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

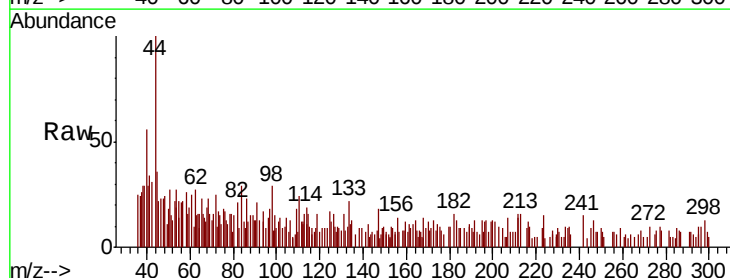
Tgt Ion: 88 Resp: 180

Ion Ratio Lower Upper

88 100

43 66.7 26.1 39.1#

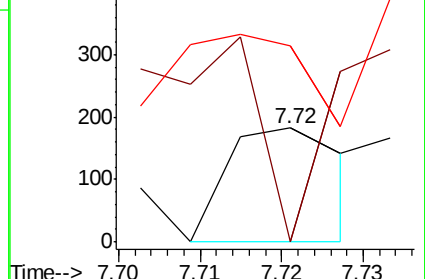
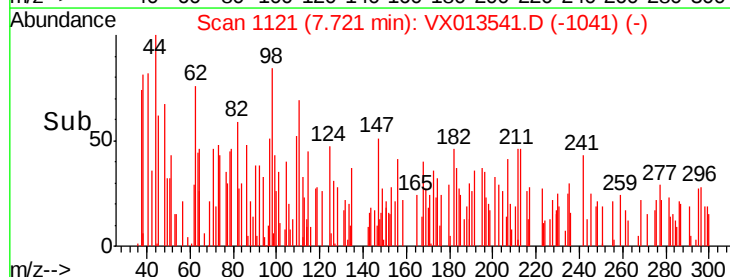
58 82.2 55.8 83.8

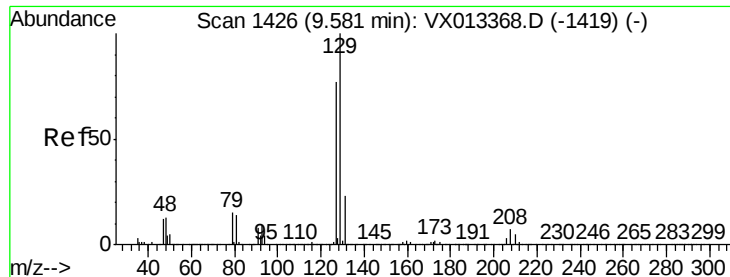


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#53

Dibromochloromethane

Concen: 0.373 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

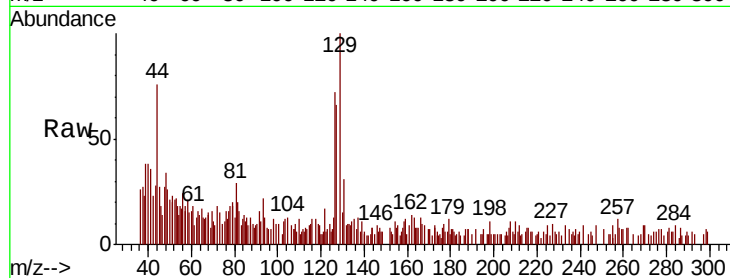
14B-3

Tot Ion:129 Resp: 2890

Ion Ratio Lower Upper

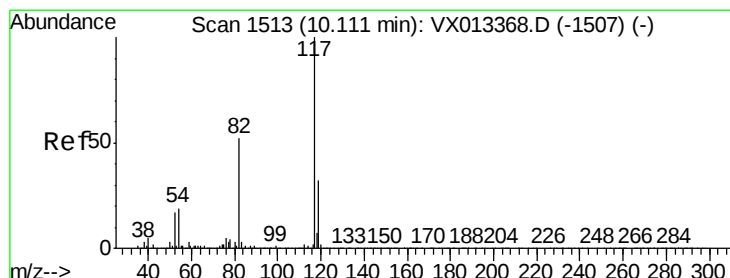
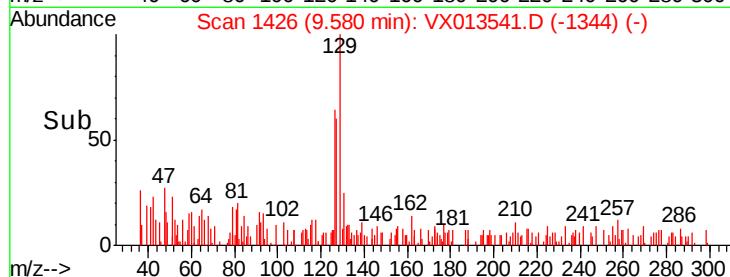
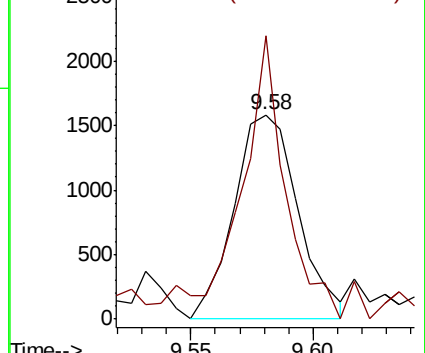
129 100

127 92.0 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

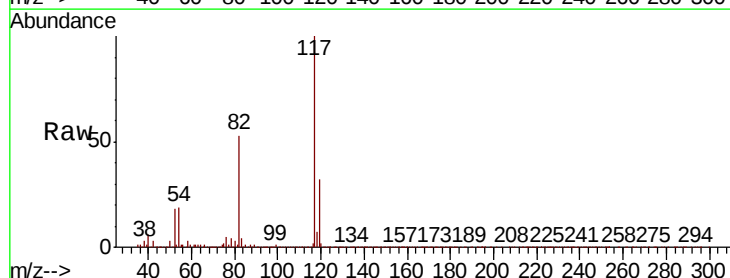
Tgt Ion:117 Resp: 535668

Ion Ratio Lower Upper

117 100

82 54.0 43.7 65.5

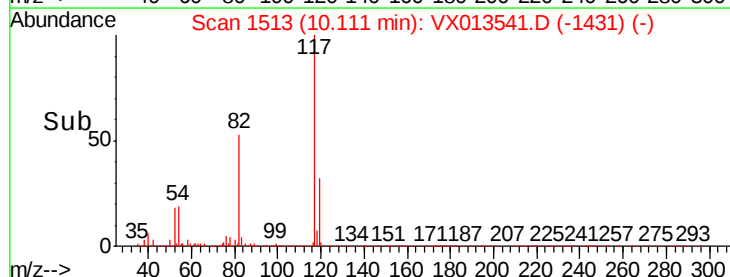
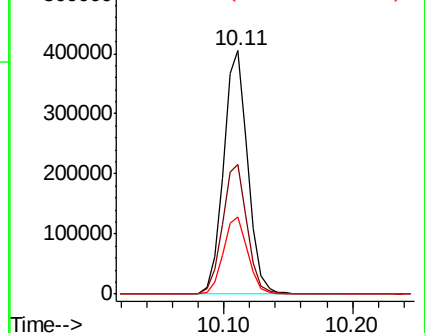
119 31.9 25.5 38.3

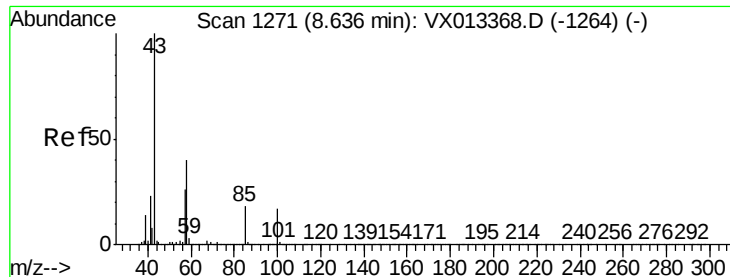


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

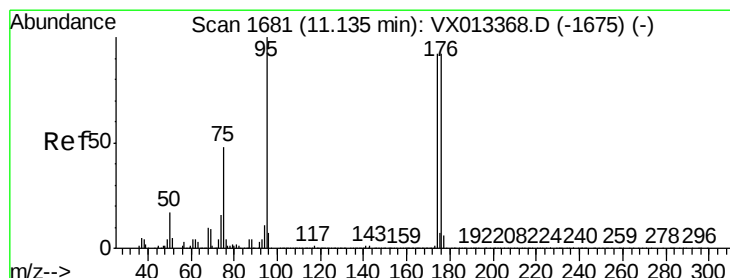
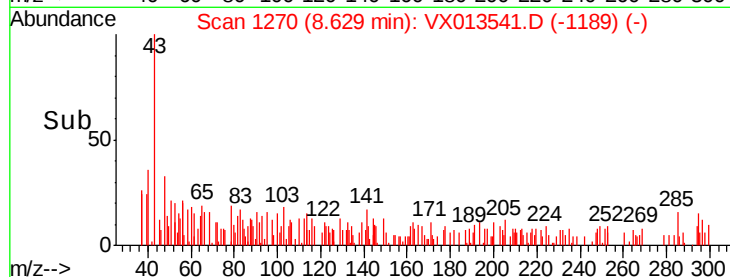
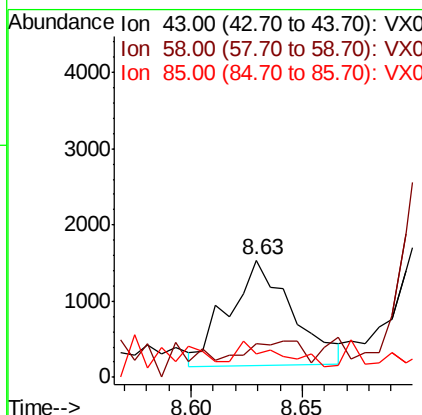
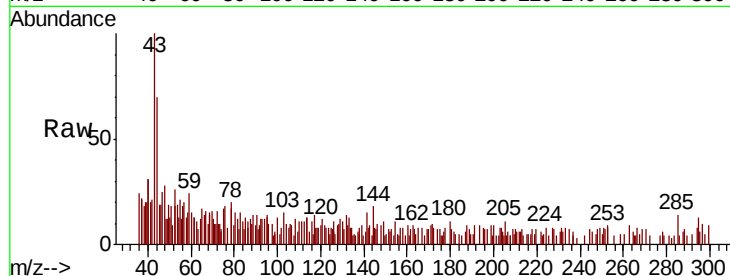




#58
 4-Methyl-2-Pentanone
 Concen: 0.246 ug/l
 RT: 8.63 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VX013541.D
 Acq: 22 Nov 2019 18:18

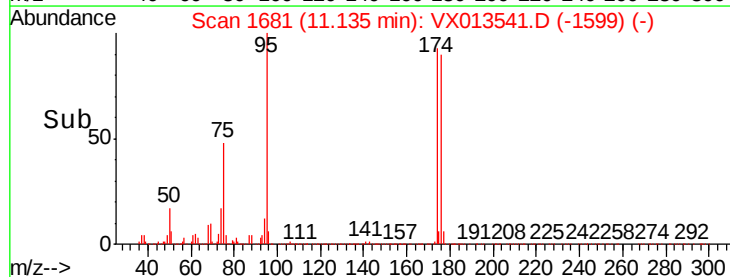
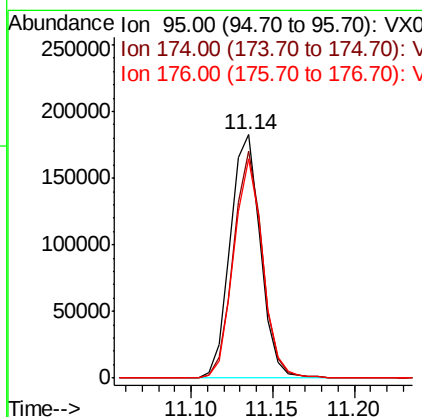
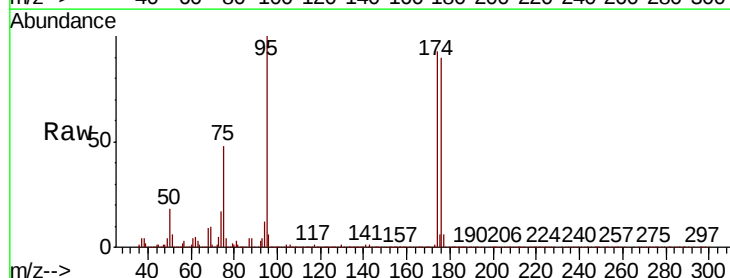
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-3

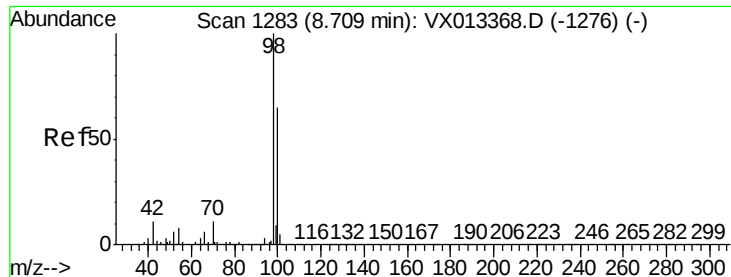
Tot Ion: 43 Resp: 2755
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.6 47.4#
 85 14.2 14.2 21.2



#60
 4-Bromofluorobenzene
 Concen: 27.230 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013541.D
 Acq: 22 Nov 2019 18:18

Tgt Ion: 95 Resp: 234445
 Ion Ratio Lower Upper
 95 100
 174 89.5 70.2 105.2
 176 87.3 68.3 102.5





#63

Toluene-d8

Concen: 30.018 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013541.D

Acq: 22 Nov 2019 18:18

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 98 Resp: 727122

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7

