

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014349.D
 Acq On : 30 Dec 2019 13:03
 Operator : JC/SP
 Sample : K6434-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 01:13:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	76693	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	437250	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	381230	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	168993	30.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.57%
60) 4-Bromofluorobenzene	11.14	95	165233	26.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.47%
63) Toluene-d8	8.71	98	516619	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

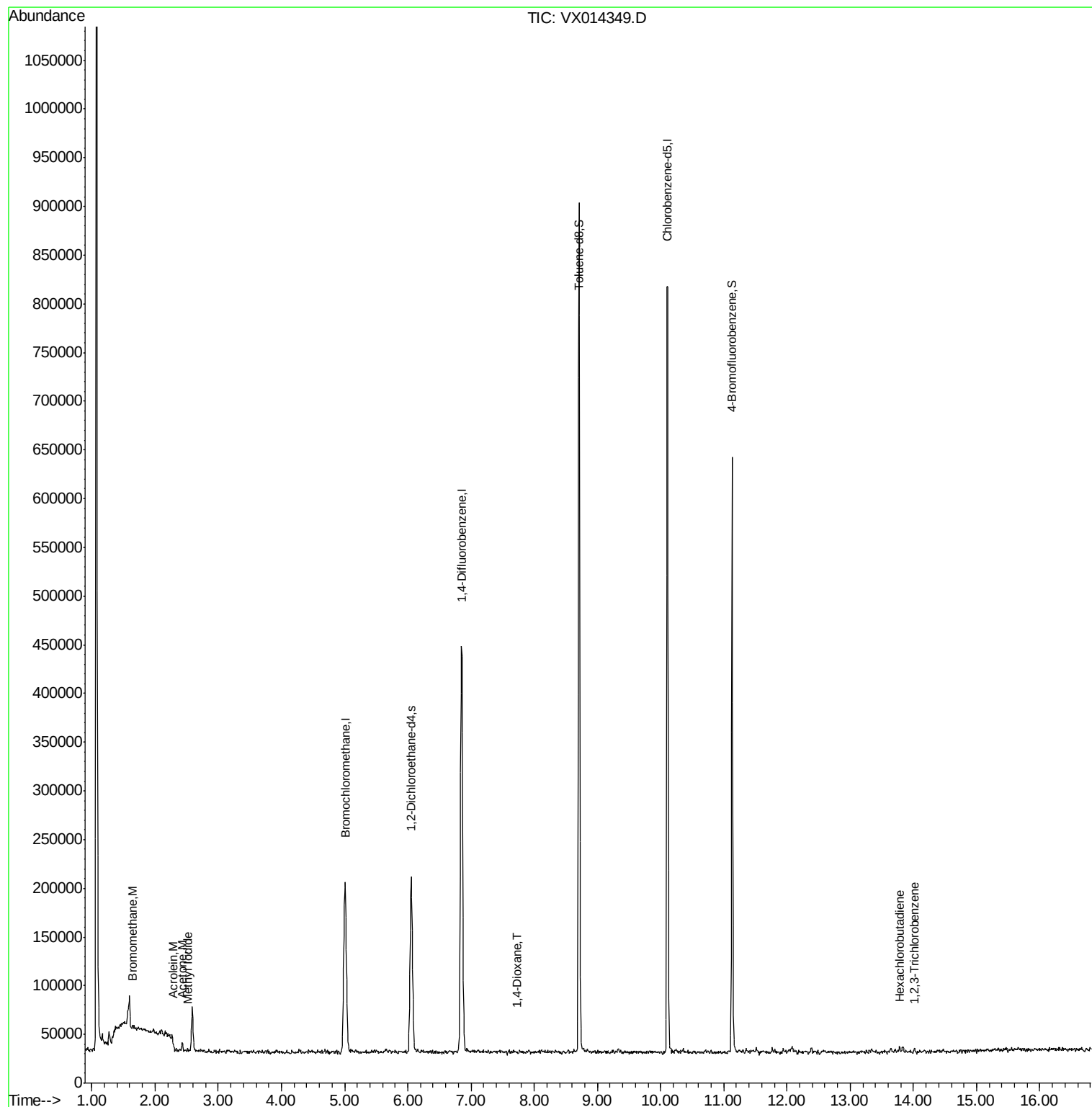
					Ovalue
5) Bromomethane	1.65	94	1604	0.392 ug/l	86
11) Methyl Iodide	2.51	142	2915	0.527 ug/l	82
13) Acrolein	2.29	56	260	0.322 ug/l	97
15) Acetone	2.44	58	3255	4.263 ug/l	75
45) 1,4-Dioxane	7.73	88	221	1.973 ug/l #	1
90) Hexachlorobutadiene	13.79	225	793	0.254 ug/l	72
92) 1,2,3-Trichlorobenzene	14.02	180	1356	0.204 ug/l	81

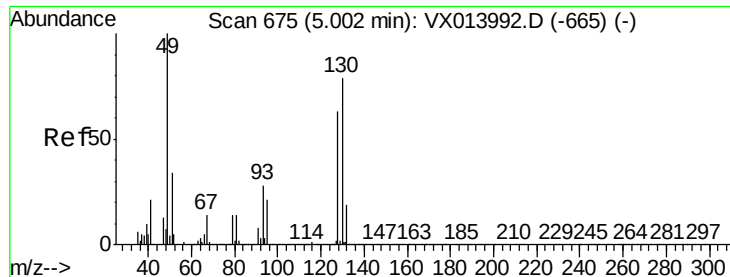
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
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QLast Update : Fri Dec 13 01:35:34 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: VX014349.D

Acq: 30 Dec 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

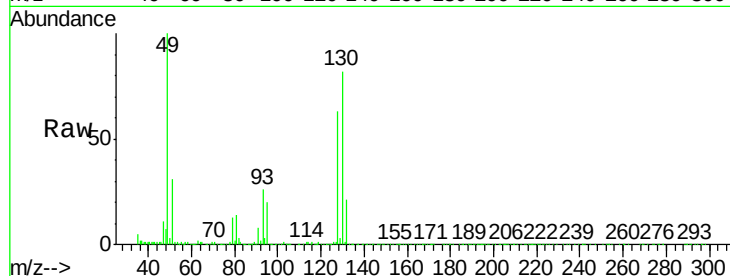
Tot Ion:128 Resp: 76693

Ion Ratio Lower Upper

128 100

49 168.6 0.0 405.0

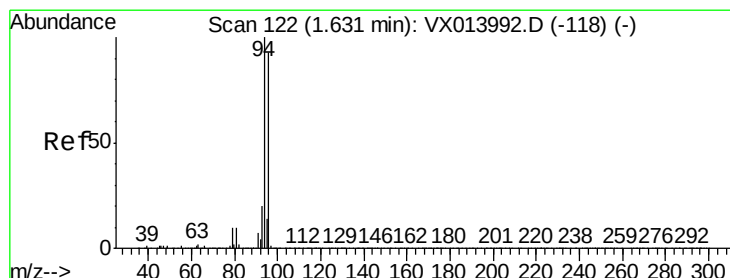
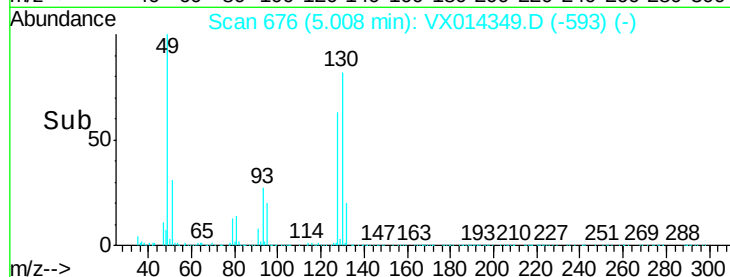
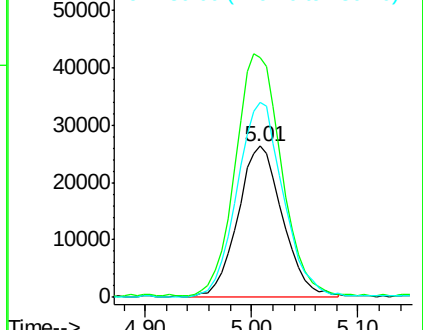
130 135.0 0.0 321.5



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



#5

Bromomethane

Concen: 0.392 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014349.D

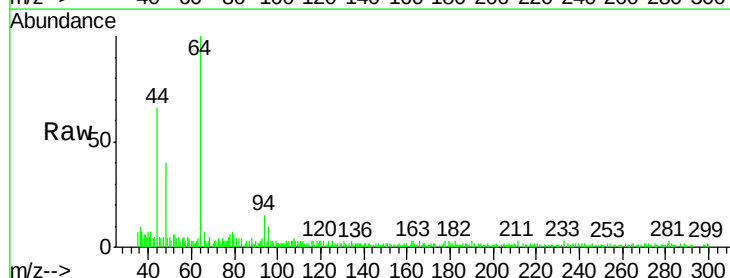
Acq: 30 Dec 2019 13:03

Tgt Ion: 94 Resp: 1604

Ion Ratio Lower Upper

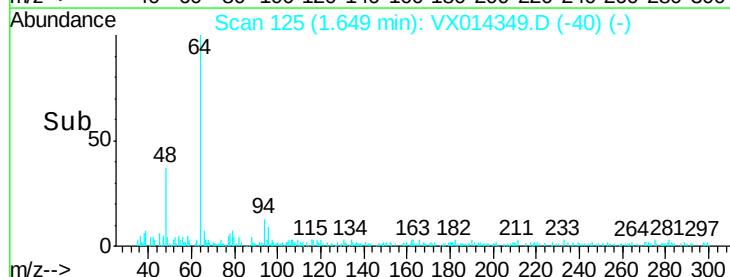
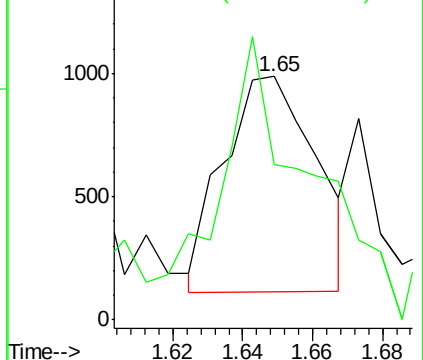
94 100

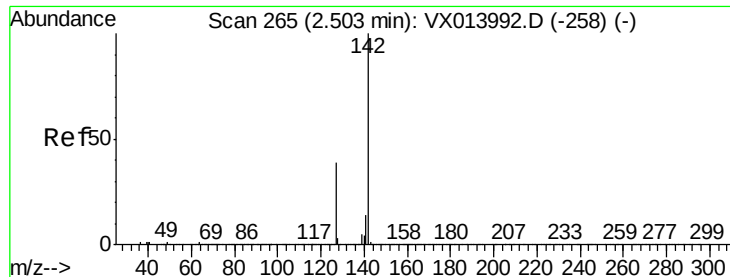
96 79.6 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

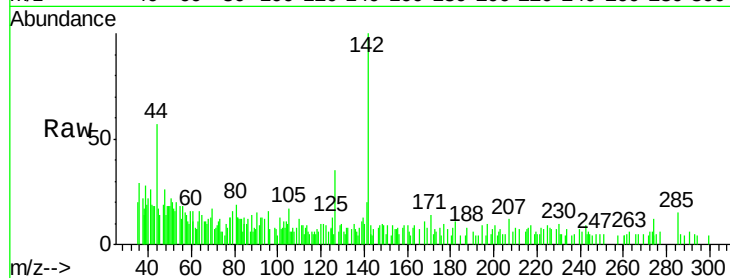




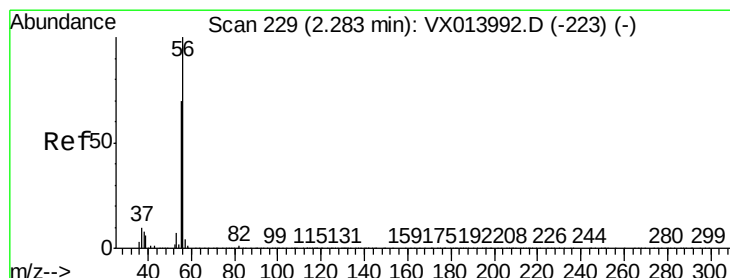
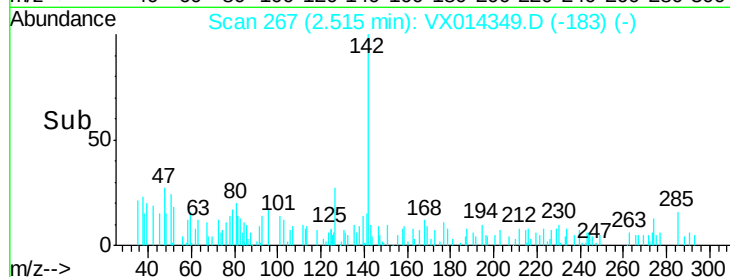
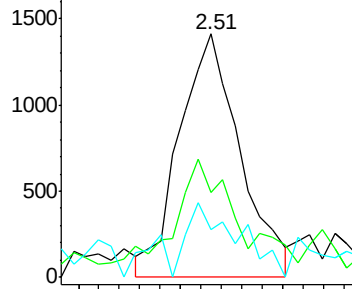
#11
Methvl Iodide
Concen: 0.527 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014349.D
Acq: 30 Dec 2019 13:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 2915
Ion Ratio Lower Upper
142 100
127 25.7 19.5 58.5
141 16.9 7.0 20.9

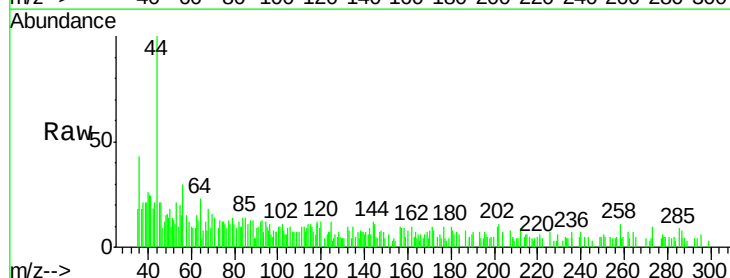


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

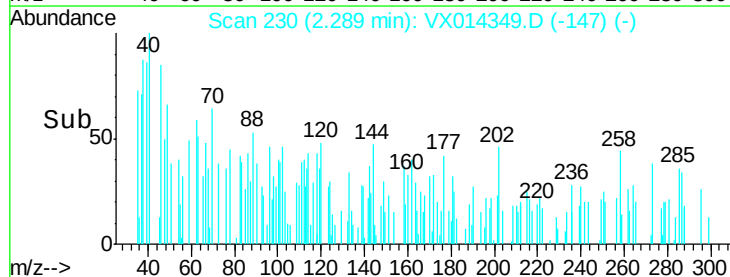
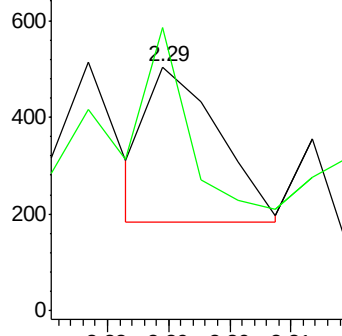


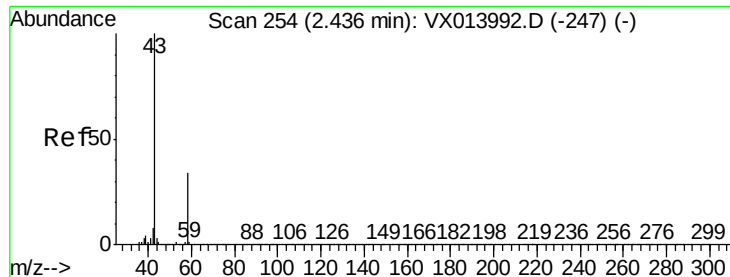
#13
Acrolein
Concen: 0.322 ug/l
RT: 2.29 min Scan# 230
Delta R.T. 0.01 min
Lab File: VX014349.D
Acq: 30 Dec 2019 13:03

Tgt Ion: 56 Resp: 260
Ion Ratio Lower Upper
56 100
55 66.2 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 4.263 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX014349.D

Acq: 30 Dec 2019 13:03

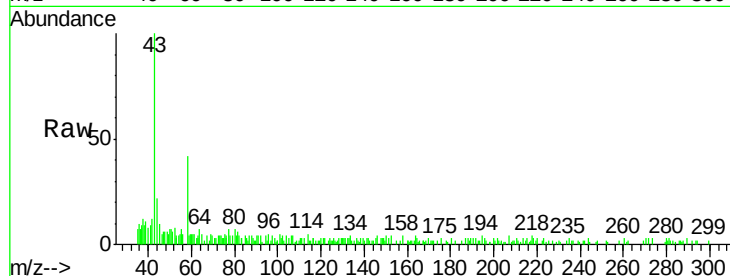
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 3255

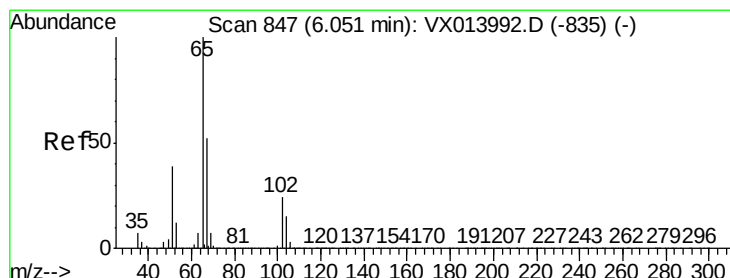
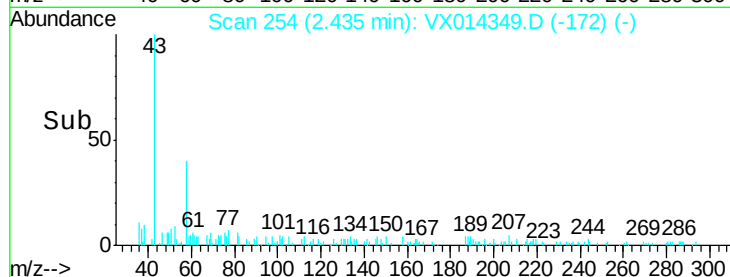
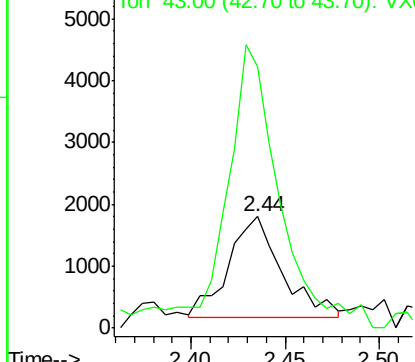
Ion Ratio Lower Upper

58 100

43 246.0 236.3 354.5



Abundance Ion 58.00 (57.70 to 58.70): VX0
Ion 43.00 (42.70 to 43.70): VX0



#27

1,2-Dichloroethane-d4

Concen: 30.768 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014349.D

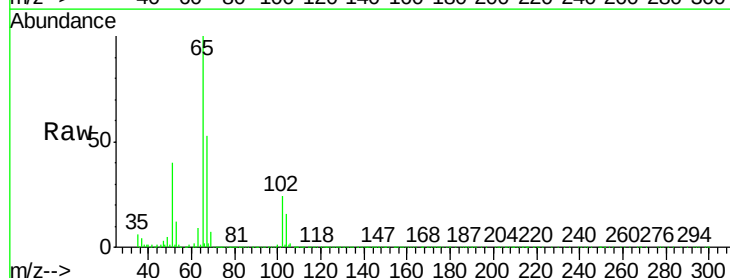
Acq: 30 Dec 2019 13:03

Tgt Ion: 65 Resp: 168993

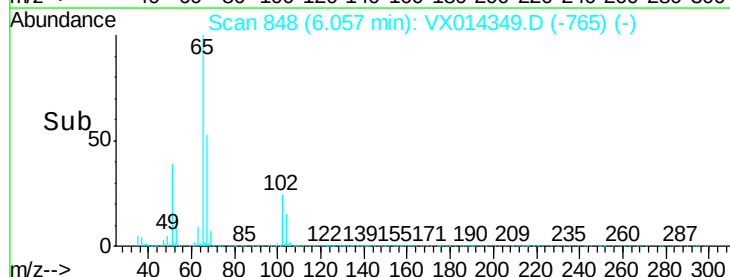
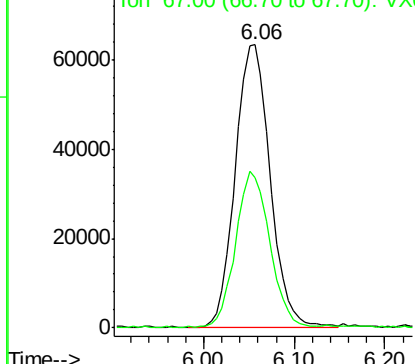
Ion Ratio Lower Upper

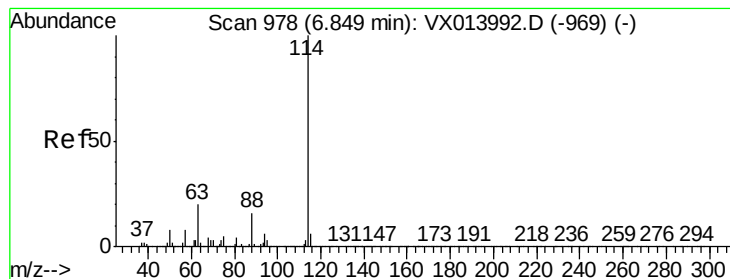
65 100

67 53.6 43.1 64.7



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: VX014349.D

Acq: 30 Dec 2019 13:03

Instrument :

MSVOA_X

ClientSampleId :

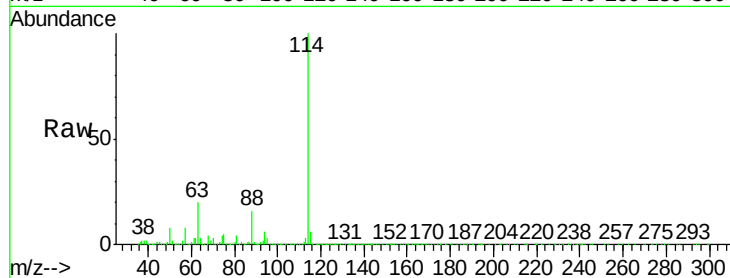
Tot Ion:114 Resp: 437250

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

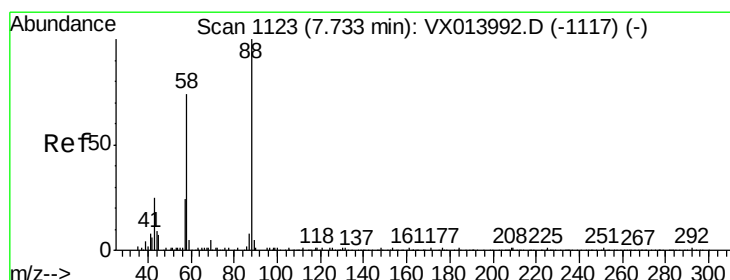
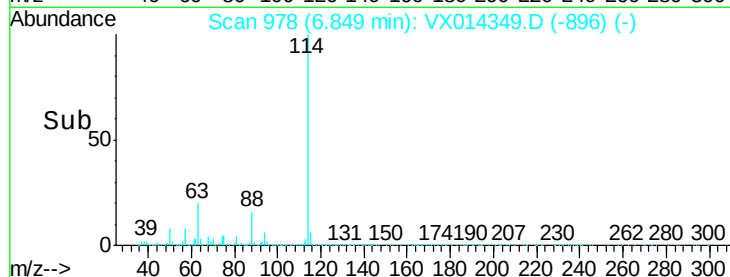
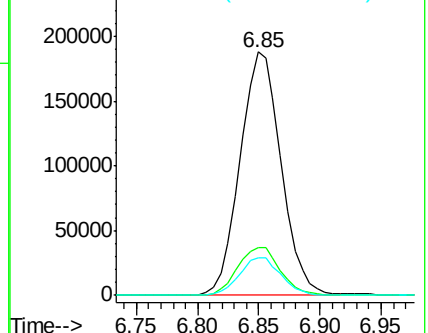
88 15.7 12.5 18.7



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



#45

1,4-Dioxane

Concen: 1.973 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014349.D

Acq: 30 Dec 2019 13:03

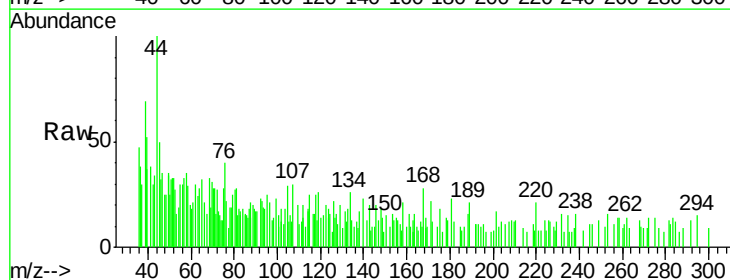
Tgt Ion: 88 Resp: 221

Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

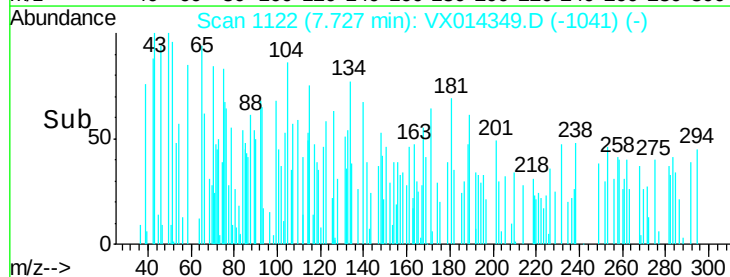
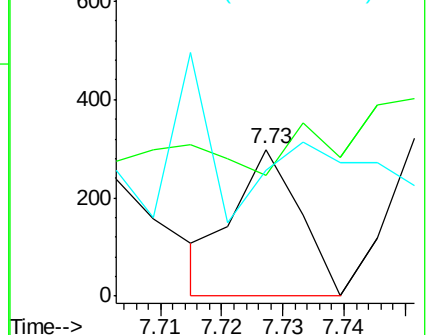
58 178.3 56.5 84.7#

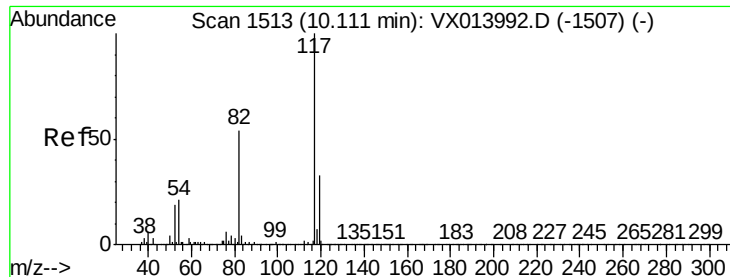


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

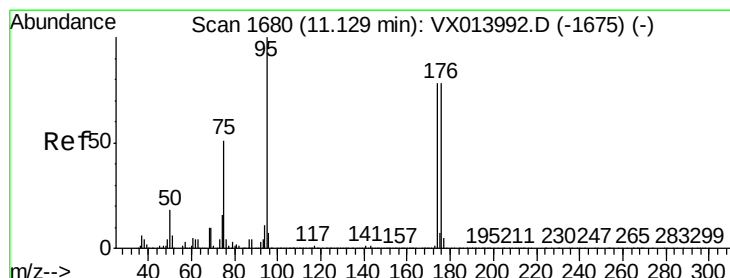
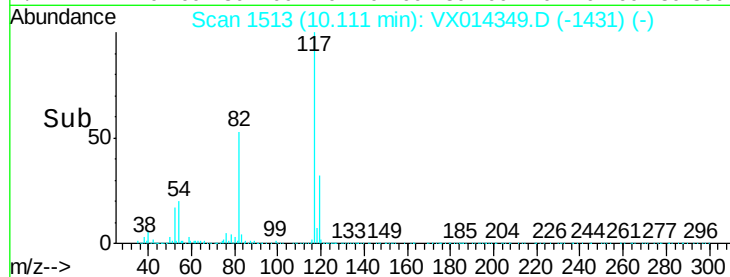
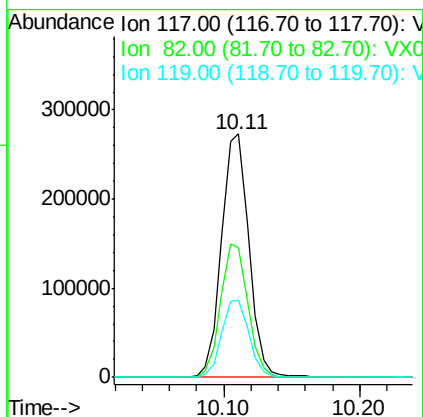
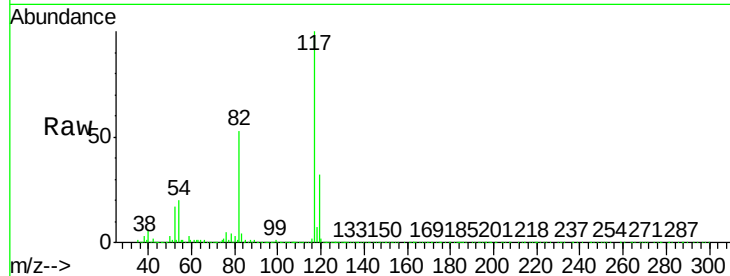




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014349.D
Acq: 30 Dec 2019 13:03

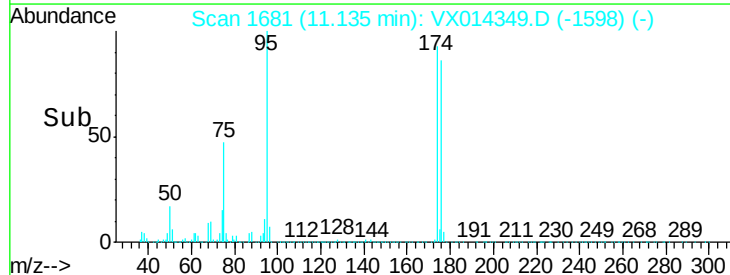
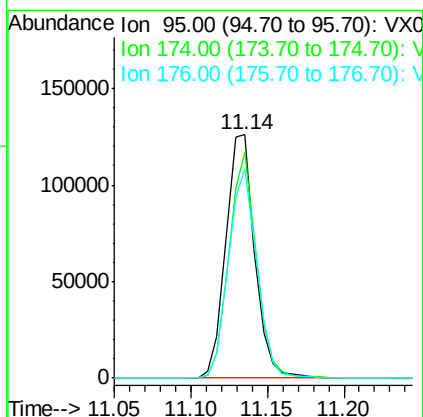
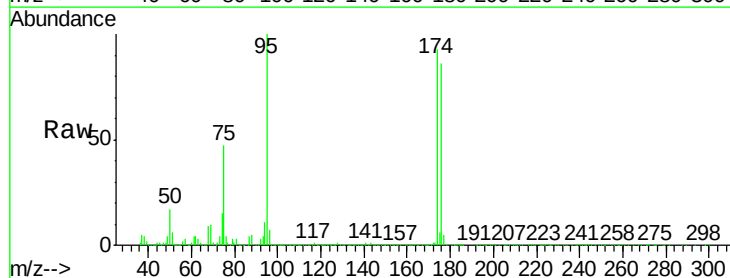
Instrument :
MSVOA_X
ClientSampleId :

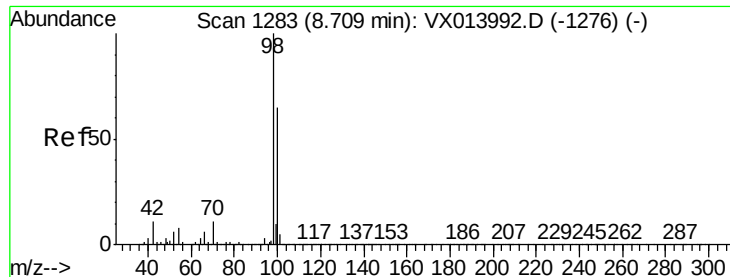
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.6
119	31.8	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 26.841 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014349.D
Acq: 30 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	70.2	105.2
176	84.6	68.3	102.5





#63

Toluene-d8

Concen: 30.317 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014349.D

Acq: 30 Dec 2019 13:03

Instrument :

MSVOA_X

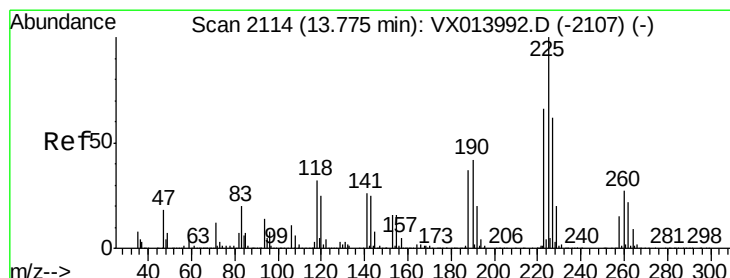
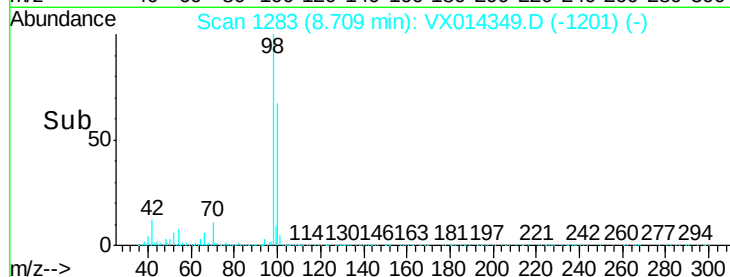
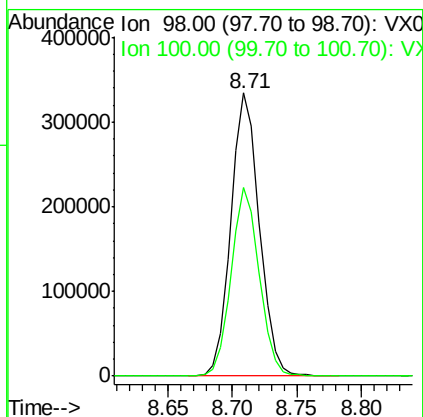
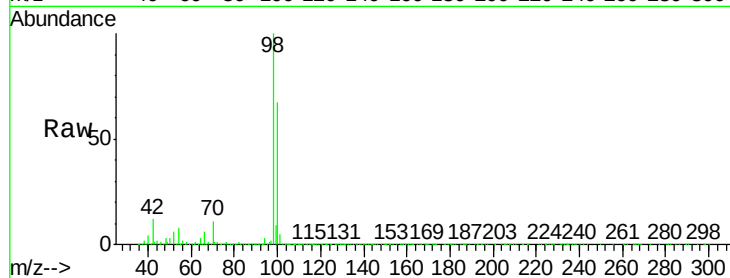
ClientSampleId :

Tot Ion: 98 Resp: 516619

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.2



#90

Hexachlorobutadiene

Concen: 0.254 ug/l

RT: 13.79 min Scan# 2116

Delta R.T. 0.01 min

Lab File: VX014349.D

Acq: 30 Dec 2019 13:03

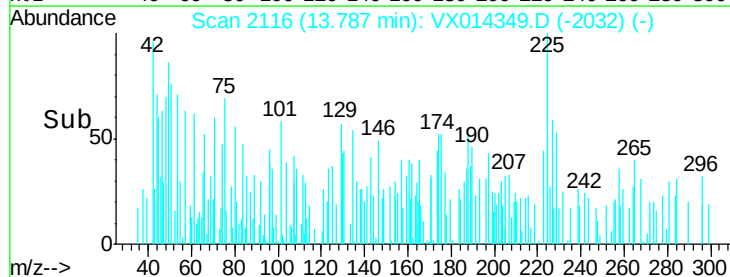
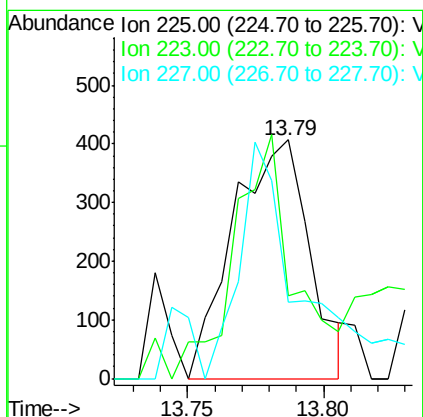
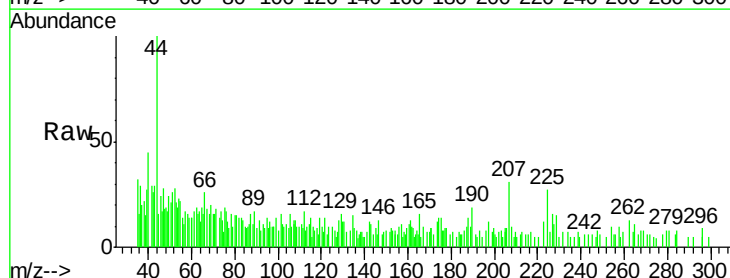
Tgt Ion: 225 Resp: 793

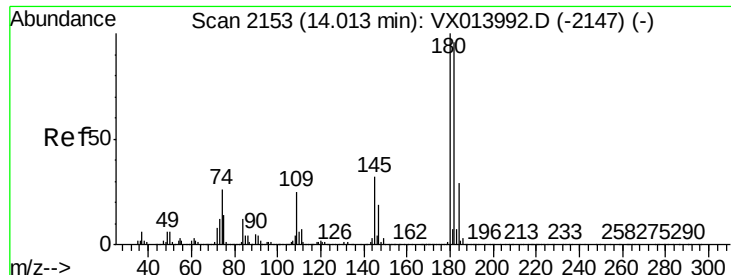
Ion Ratio Lower Upper

225 100

223 58.0 0.0 127.4

227 23.2 0.0 122.8

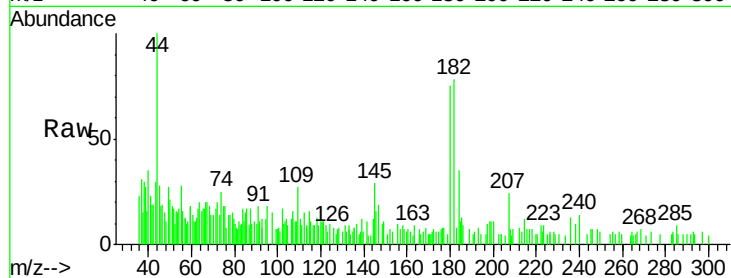




#92
 1,2,3-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014349.D
 Acq: 30 Dec 2019 13:03

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.1	0.0	192.8
145	51.3	0.0	60.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

