

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 :
 GW-1-DISCHARGE

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

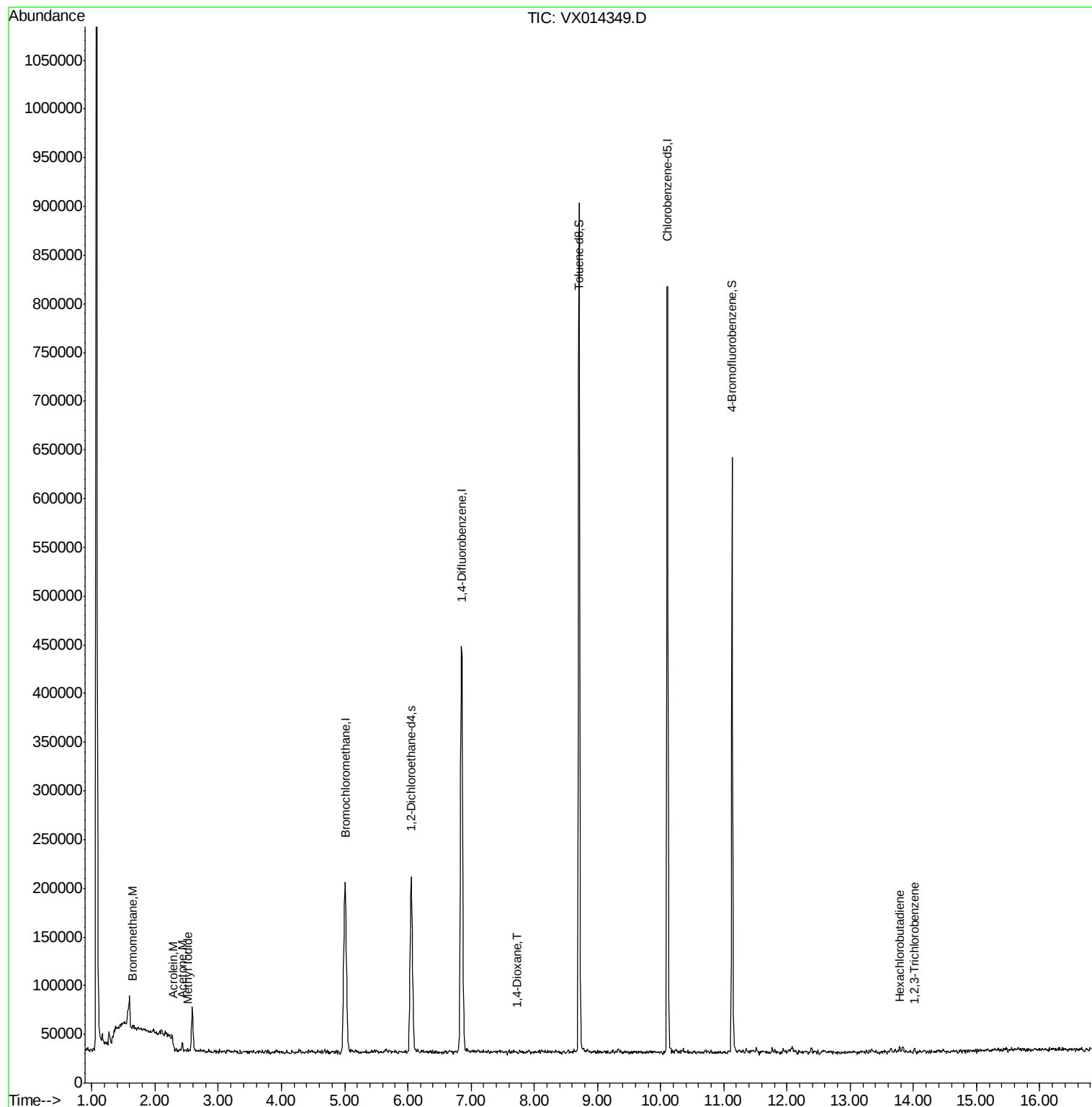
					Ovalue
5) Bromomethane	1.65	94	1604	0.392 ug/l	86
11) Methyl Iodide	2.51	142	2915	0.527 ug/l	82
13) Acrolein	2.29	56	260	0.322 ug/l	97
15) Acetone	2.44	58	3255	4.263 ug/l	75
45) 1,4-Dioxane	7.73	88	221	1.973 ug/l #	1
90) Hexachlorobutadiene	13.79	225	793	0.254 ug/l	72
92) 1,2,3-Trichlorobenzene	14.02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

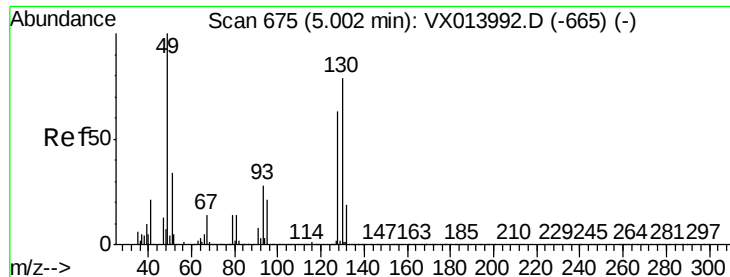
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration



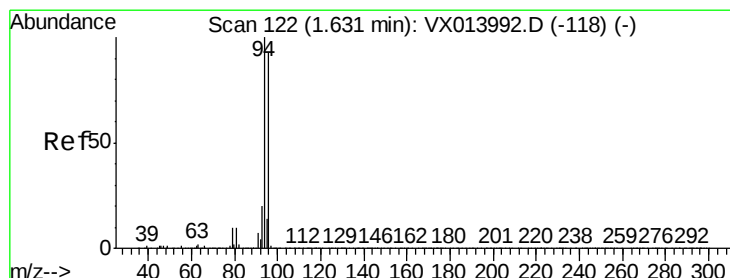
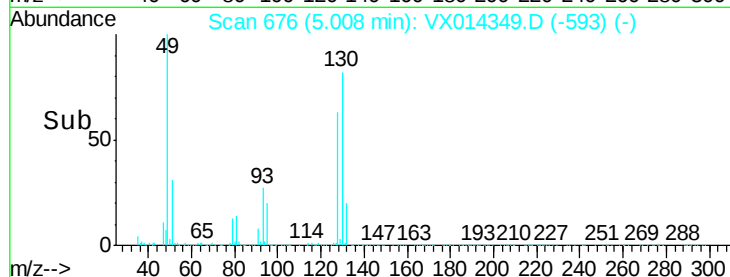
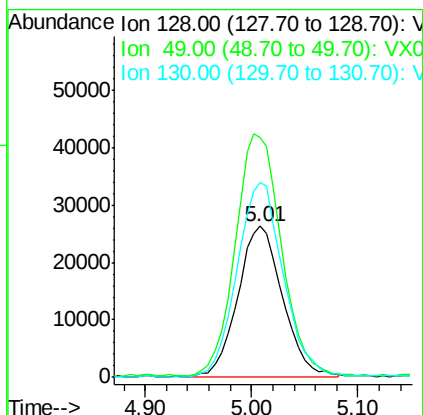
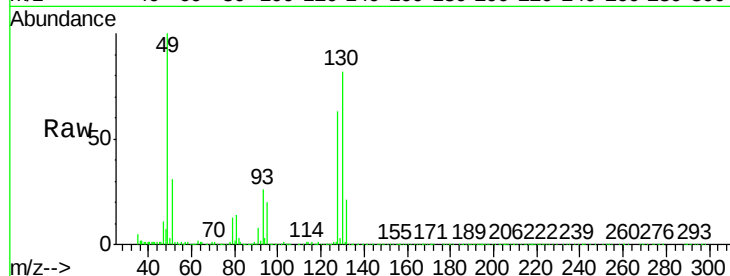


#1

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 :
 GW-1-DISCHARGE

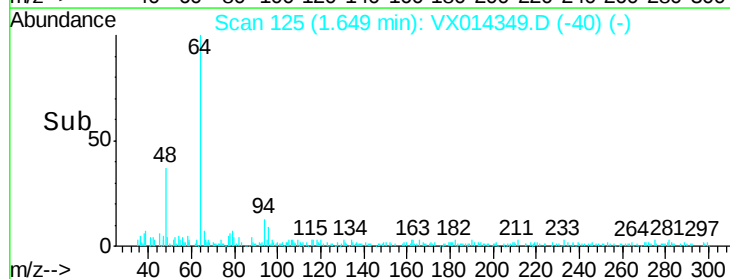
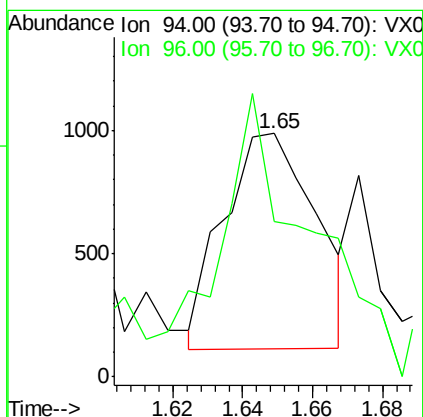
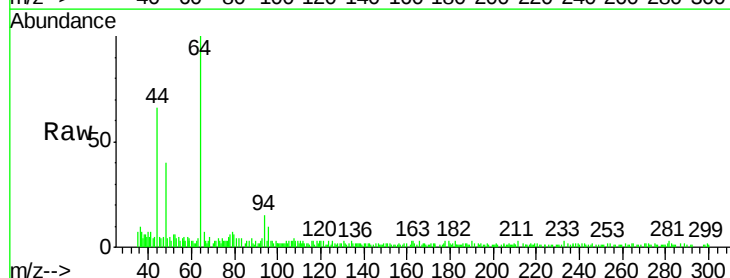
Tot Ion:128 Resp: 76693
 Ion Ratio Lower Upper
 128 100
 49 168.6 0.0 405.0
 130 135.0 0.0 321.5

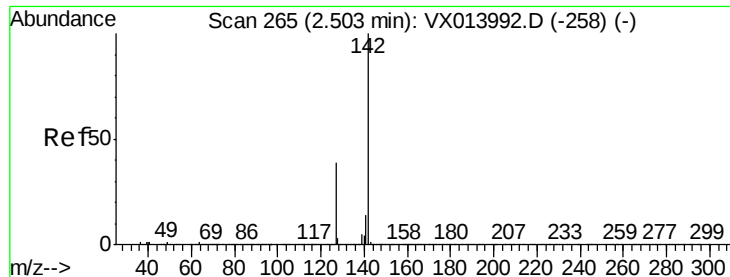


#5

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

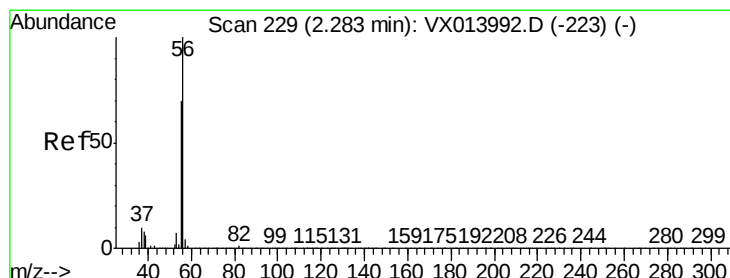
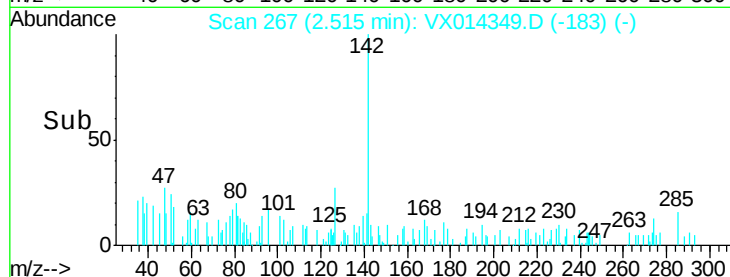
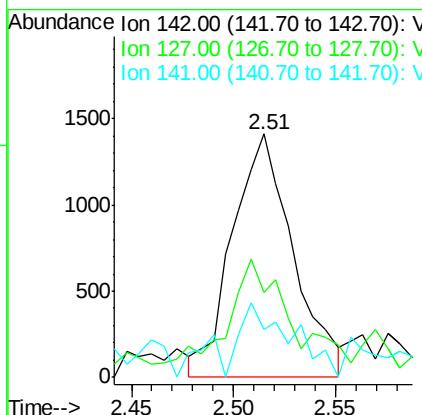
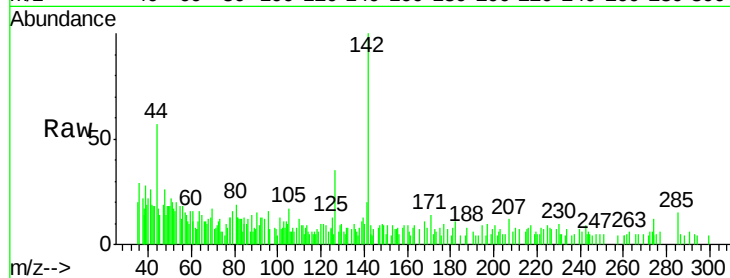




#11
Methvl Iodide
Concen: 0.527 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX014349.D
Acq: 30 Dec 2019 13:03

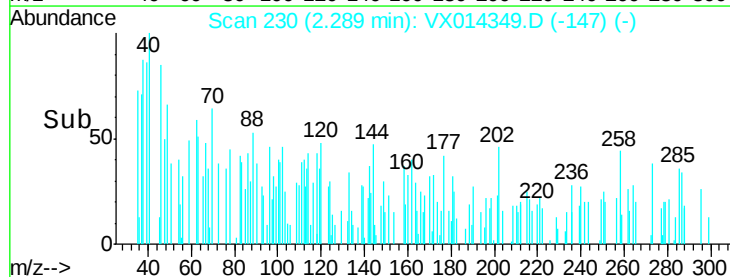
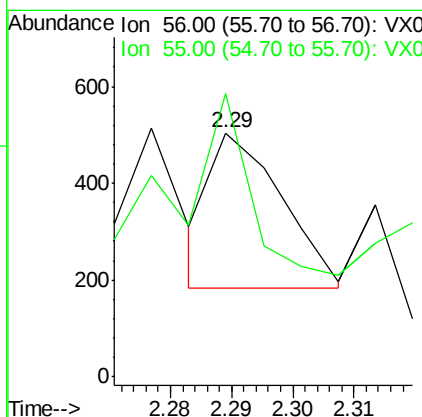
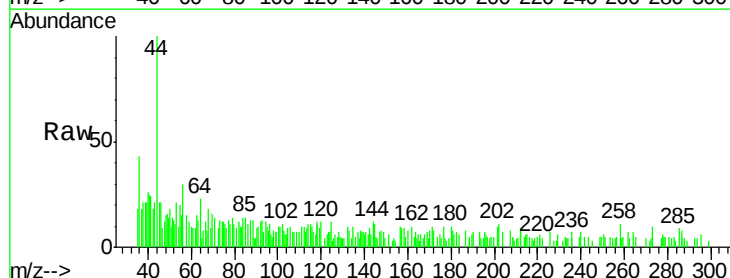
Instrument :
MSVOA_X
ClientSampleId :
GW-1-DISCHARGE

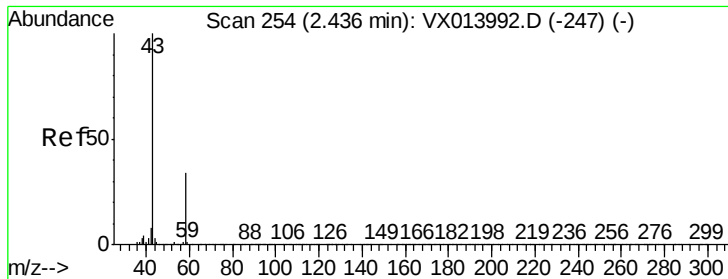
Tot Ion:142 Resp: 2915
Ion Ratio Lower Upper
142 100
127 25.7 19.5 58.5
141 16.9 7.0 20.9



#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





#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 :

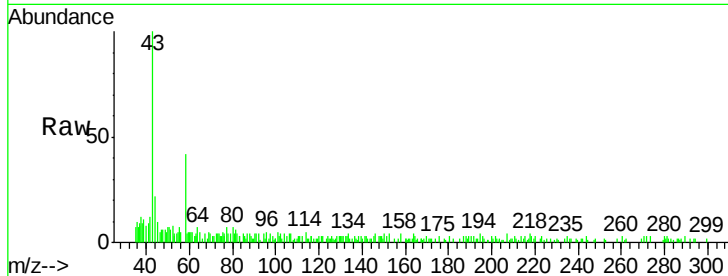
GW-1-DISCHARGE

Tot Ion: 58 Resp: 3255

Ion Ratio Lower Upper

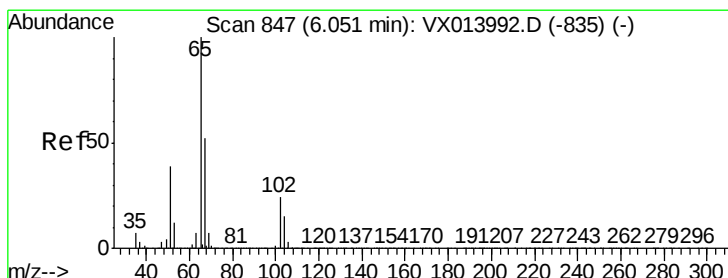
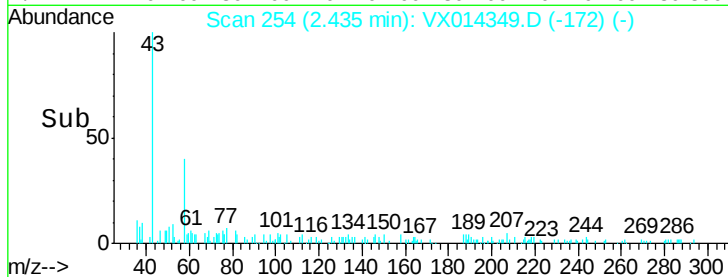
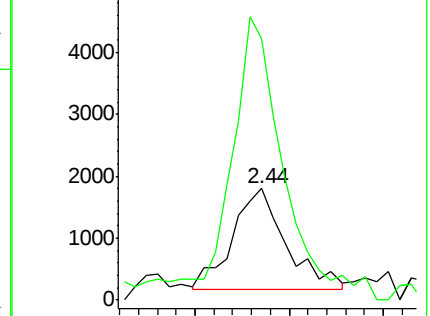
58 100

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

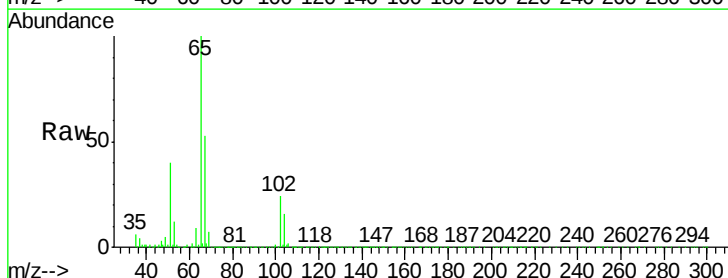
Acq: 30 Dec 2019 13:03

Tgt Ion: 65 Resp: 168993

Ion Ratio Lower Upper

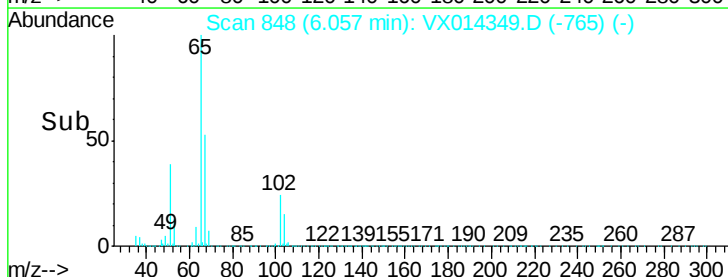
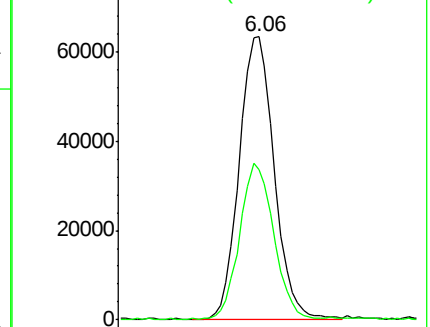
65 100

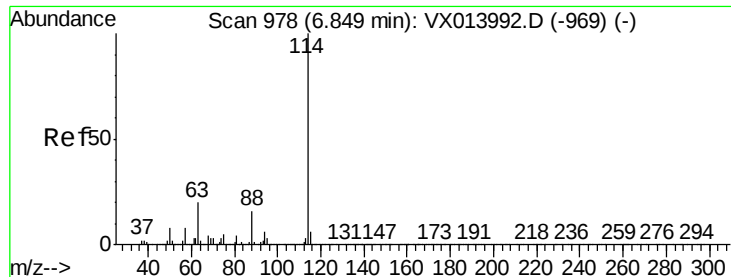
67 53.6 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

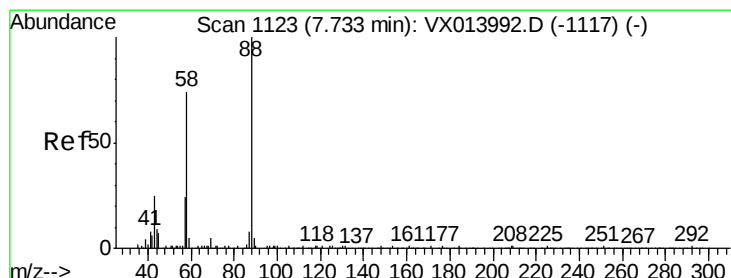
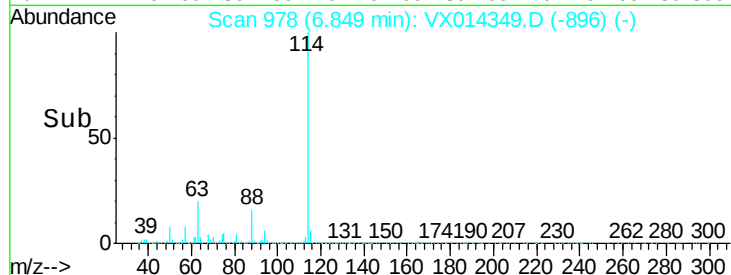
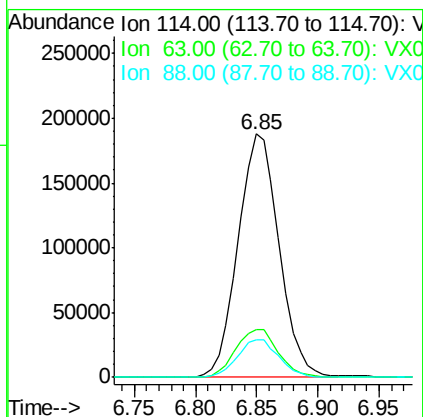
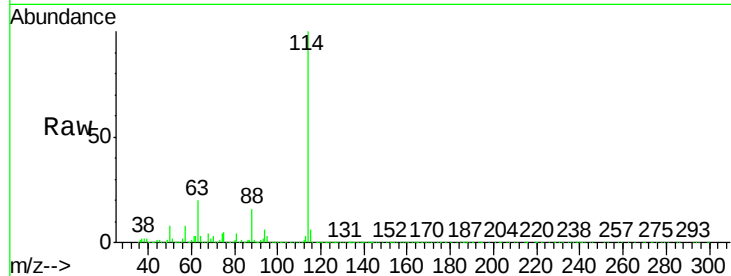




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014349.D
 Acq: 30 Dec 2019 13:03

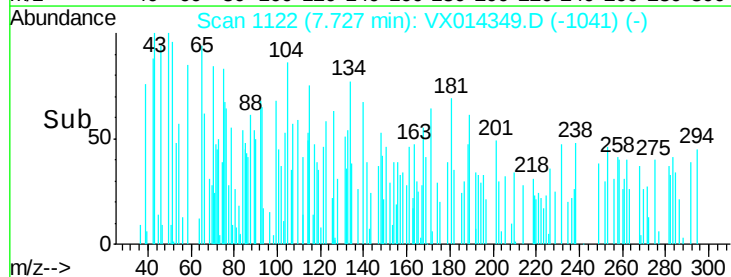
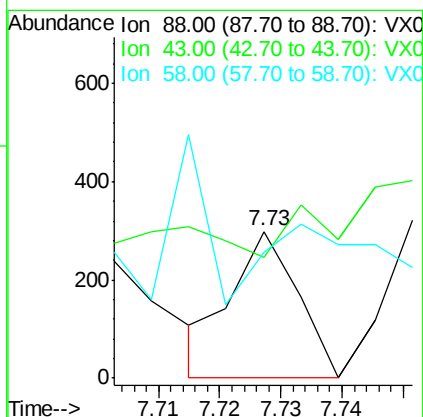
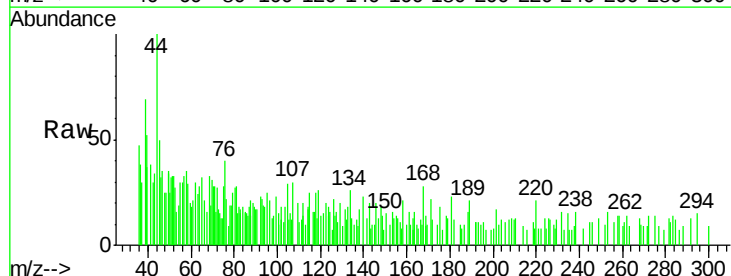
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-1-DISCHARGE

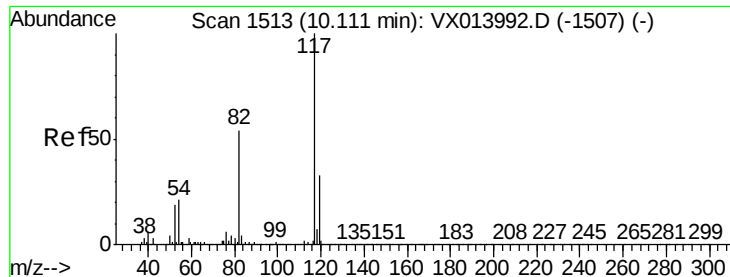
Tot Ion:	114	Resp:	437250
Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.1	24.1
88	15.7	12.5	18.7



#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#

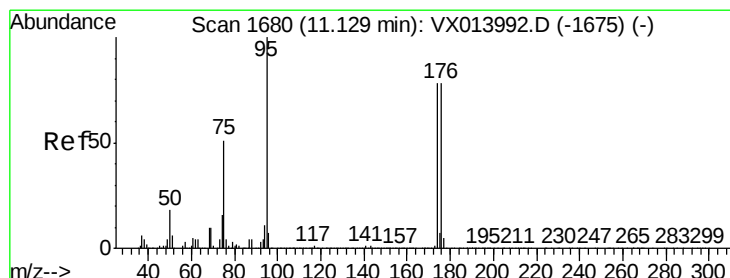
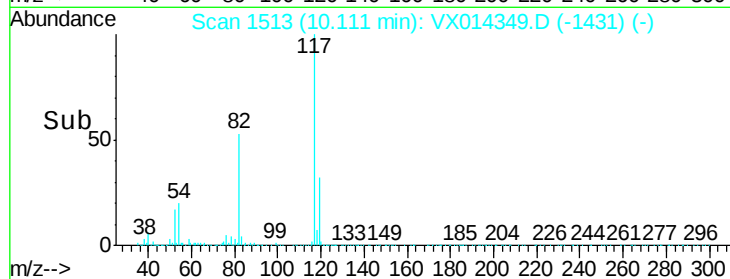
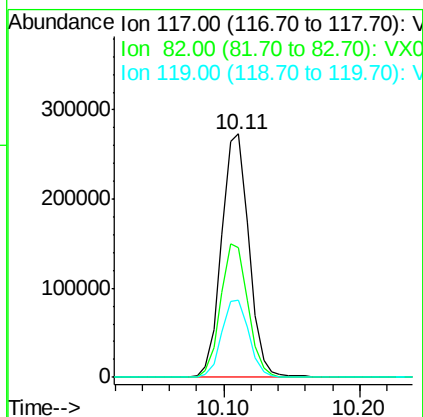
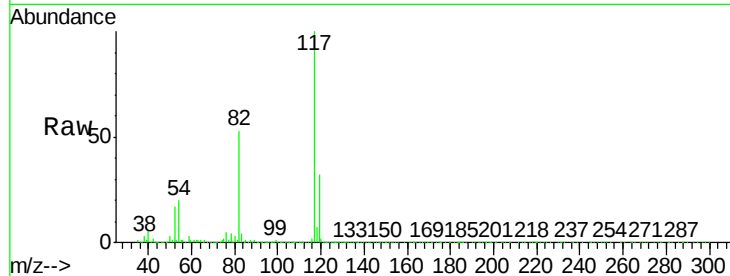




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014349.D
Acq: 30 Dec 2019 13:03

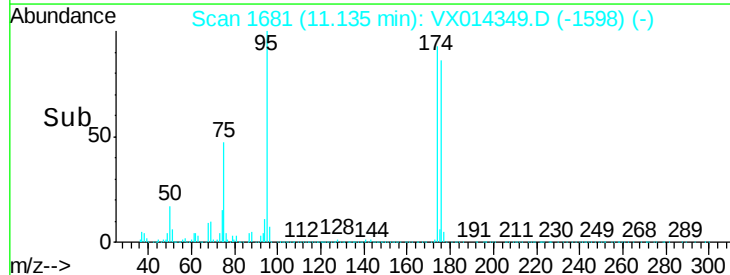
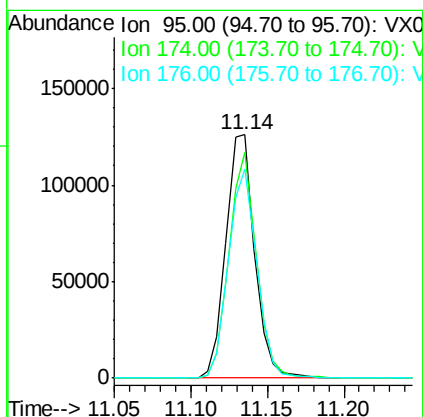
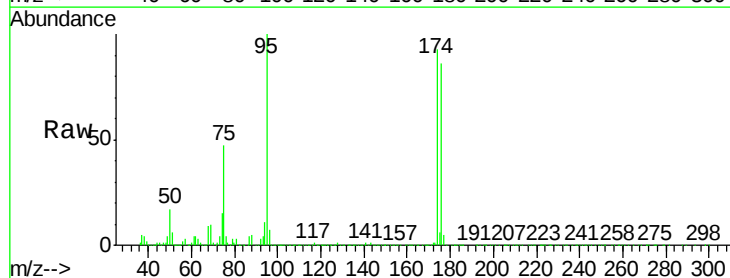
Instrument :
MSVOA_X
ClientSampleId :
GW-1-DISCHARGE

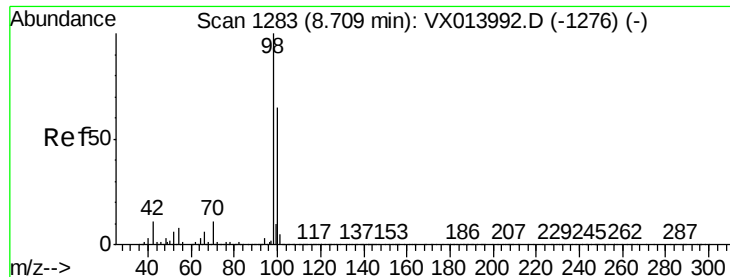
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.6
119	31.8	25.8	38.6



#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 :

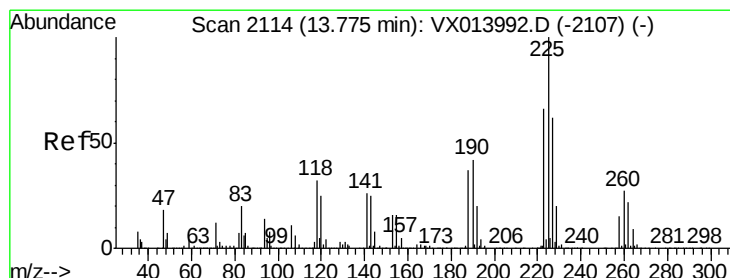
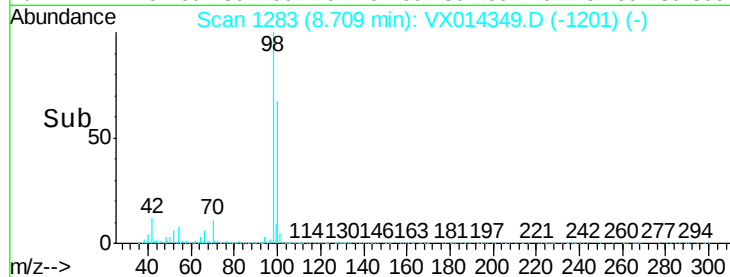
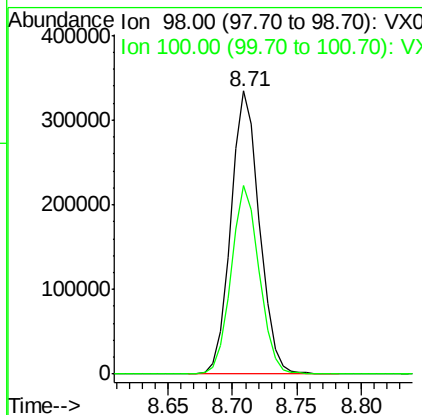
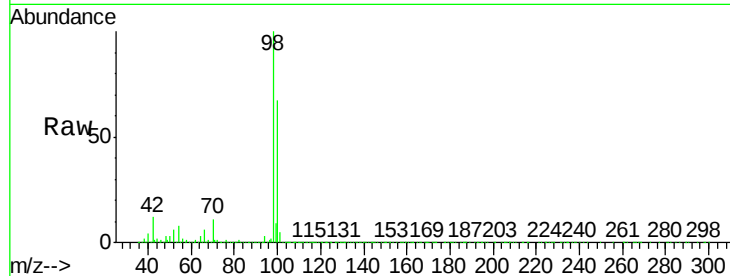
GW-1-DISCHARGE

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

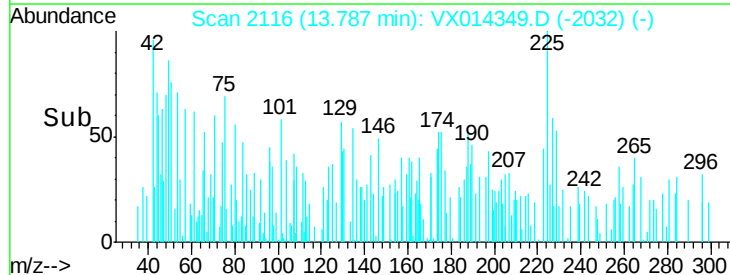
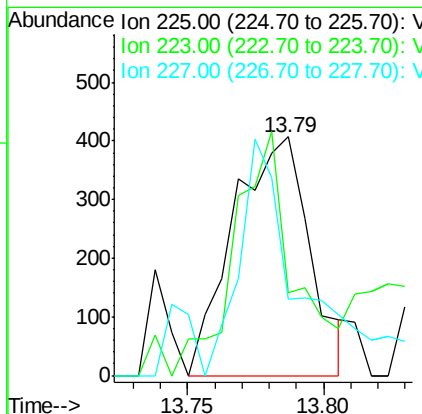
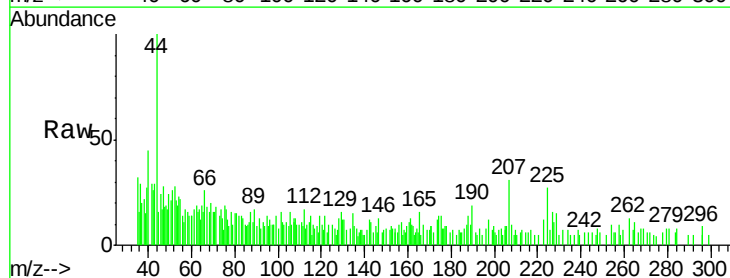
Tgt Ion: 225 Resp: 793

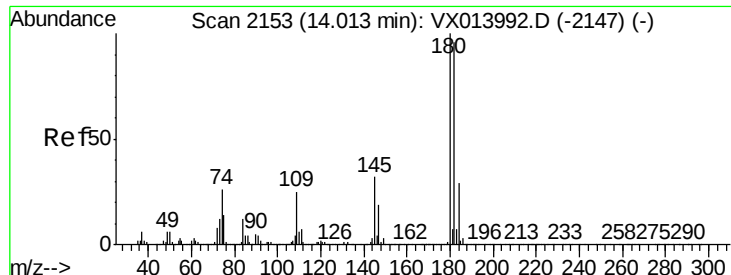
Ion Ratio Lower Upper

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 :
 GW-1-DISCHARGE

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

