

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022120\
 Data File : VX014989.D
 Acq On : 21 Feb 2020 12:10
 Operator : JC/SP
 Sample : VX0221WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0221WBL01

Quant Time: Feb 21 13:25:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 11:08:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	75765	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.85	114	397365	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	351819	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	156065	29.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.73%
60) 4-Bromofluorobenzene	11.13	95	150971	27.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.83%
63) Toluene-d8	8.71	98	463025	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

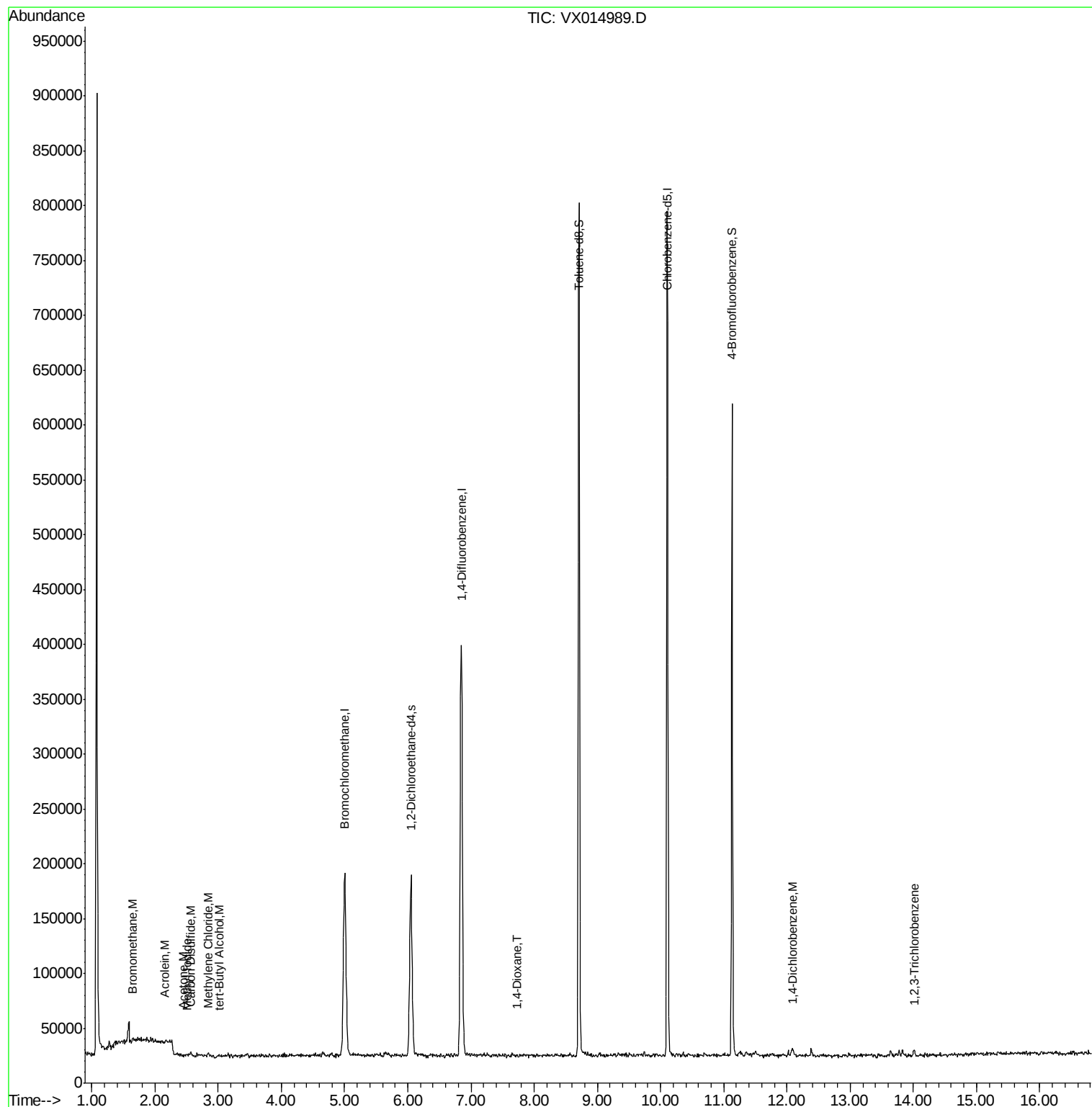
						Qvalue
5) Bromomethane	1.65	94	2666	0.81	ug/l	96
11) Methyl Iodide	2.51	142	2842	0.59	ug/l	98
13) Acrolein	2.16	56	226	0.23	ug/l	98
15) Acetone	2.44	58	296	0.37	ug/l	94
16) Carbon Disulfide	2.56	76	5808	0.54	ug/l #	88
18) Methylene Chloride	2.84	84	970	0.21	ug/l #	77
23) tert-Butyl Alcohol	3.01	59	379	0.43	ug/l #	72
45) 1,4-Dioxane	7.74	88	92	1.01	ug/l #	1
84) 1,4-Dichlorobenzene	12.09	146	2238	0.24	ug/l	89
92) 1,2,3-Trichlorobenzene	14.02	180	1653	0.25	ug/l	87

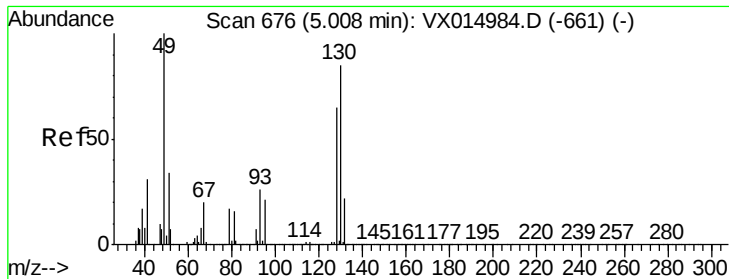
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0221WBL01

Quant Time: Feb 21 13:25:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 21 11:08:45 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014989.D

Acq: 21 Feb 2020 12:10

Instrument :

MSVOA_X

ClientSampleId :

VX0221WBL01

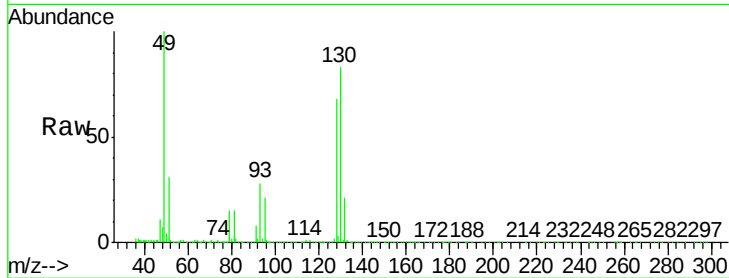
Tgt Ion:128 Resp: 75765

Ion Ratio Lower Upper

128 100

49 147.6 0.0 384.7

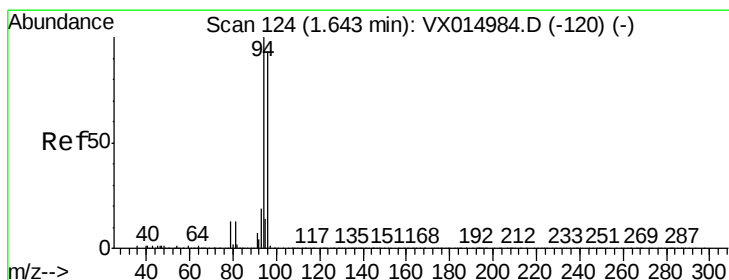
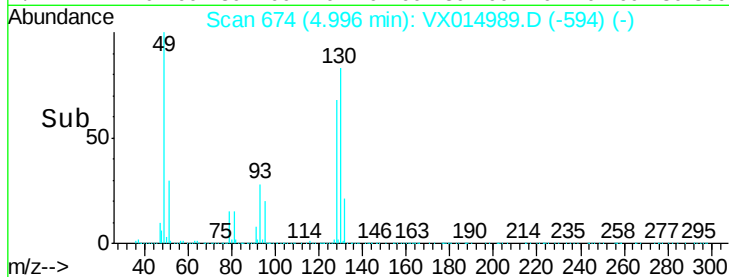
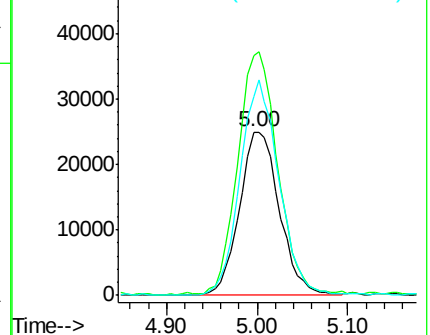
130 128.7 0.0 330.8



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: 0.81 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX014989.D

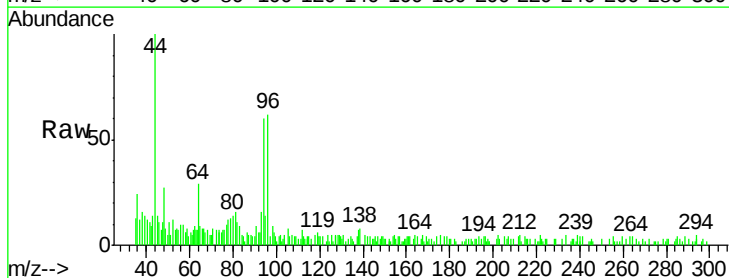
Acq: 21 Feb 2020 12:10

Tgt Ion: 94 Resp: 2666

Ion Ratio Lower Upper

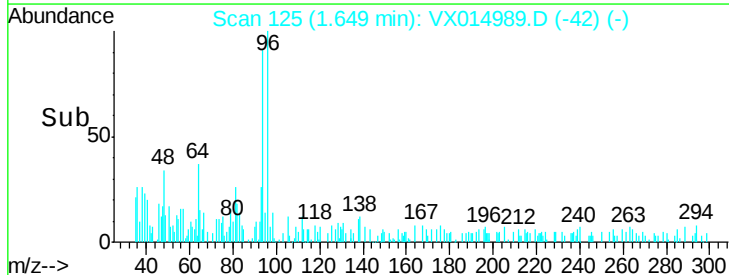
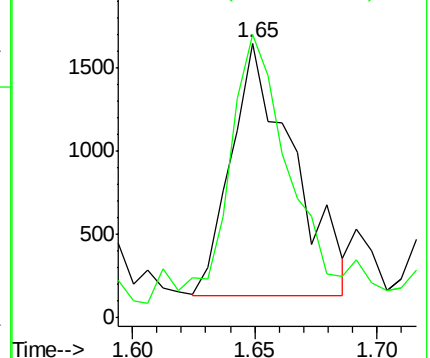
94 100

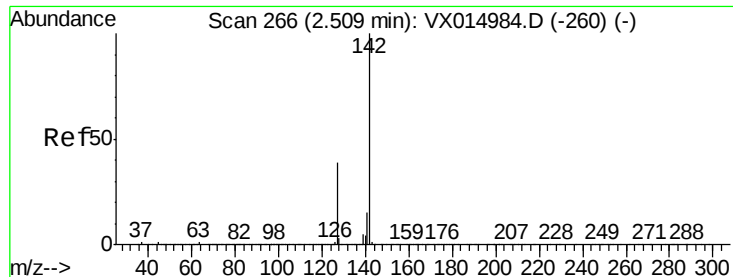
96 96.7 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

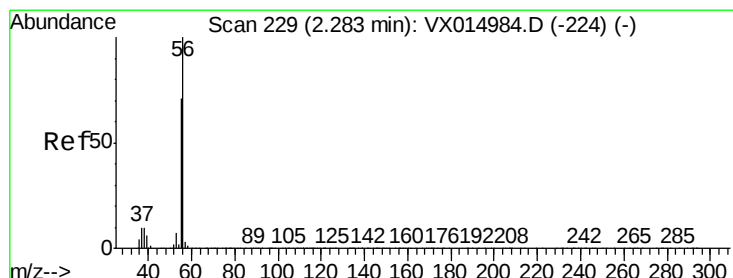
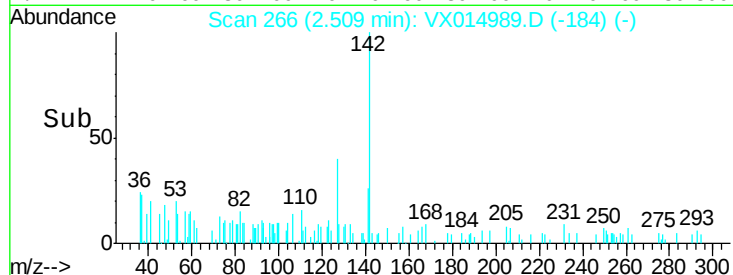
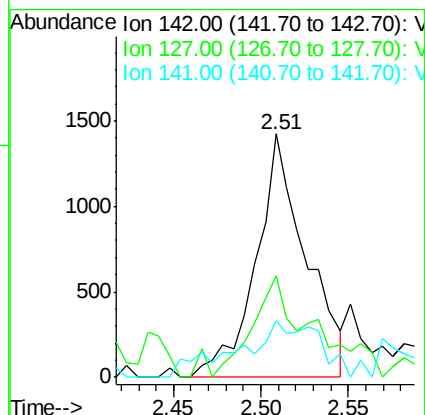
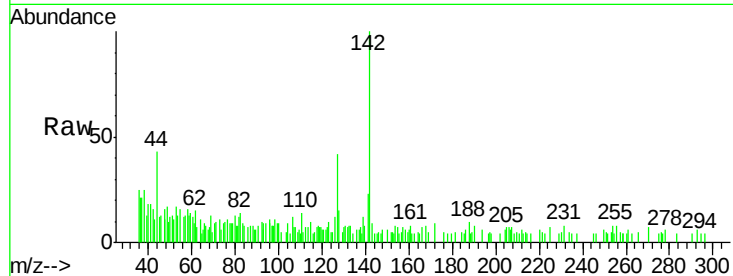




#11
Methyl Iodide
Concen: 0.59 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

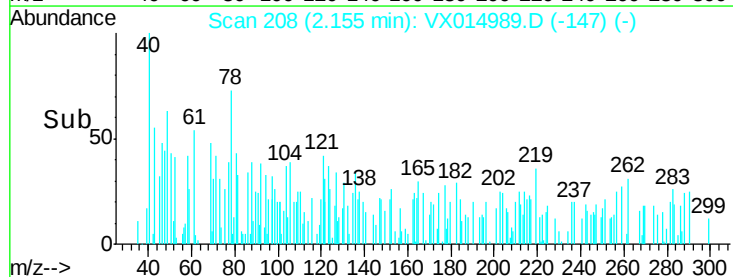
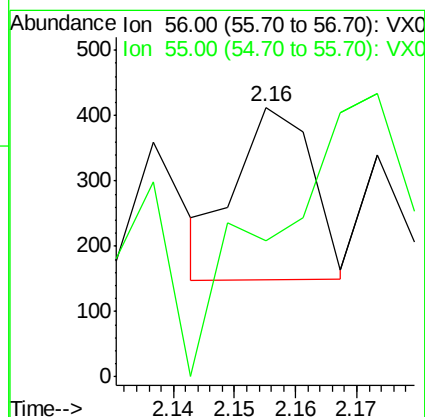
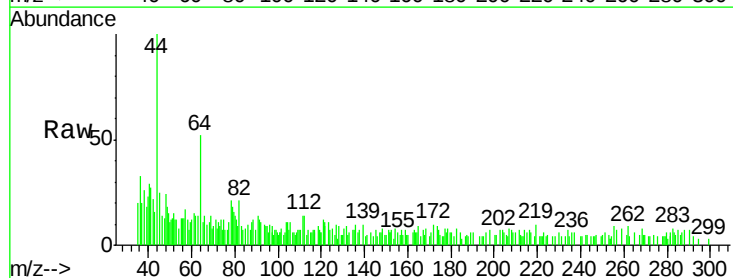
Instrument :
MSVOA_X
ClientSampleId :
VX0221WBL01

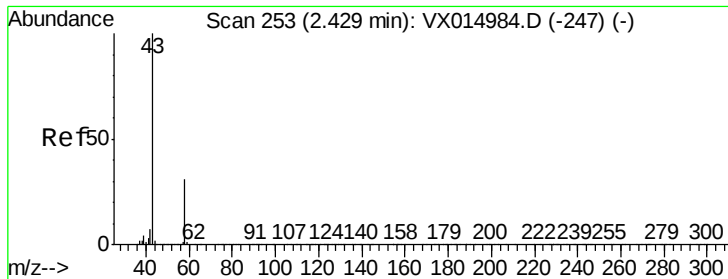
Tgt Ion: 142 Resp: 2842
Ion Ratio Lower Upper
142 100
127 38.8 19.7 59.0
141 16.8 7.4 22.2



#13
Acrolein
Concen: 0.23 ug/l
RT: 2.16 min Scan# 208
Delta R.T. -0.13 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 71.7 56.2 84.2





#15

Acetone

Concen: 0.37 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX014989.D

Acq: 21 Feb 2020 12:10

Instrument :

MSVOA_X

ClientSampled :

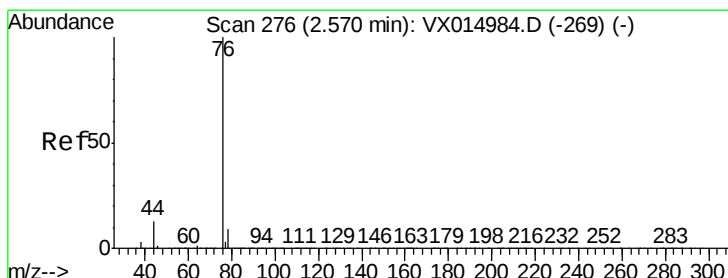
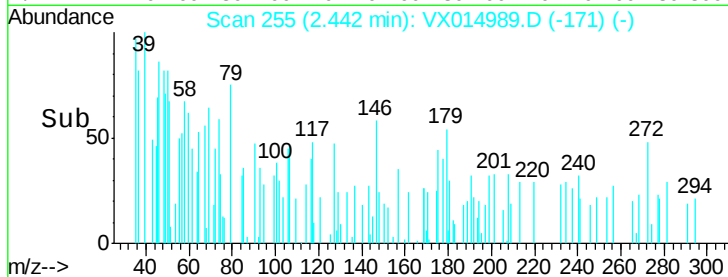
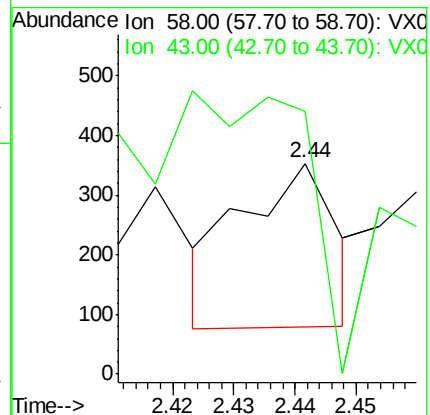
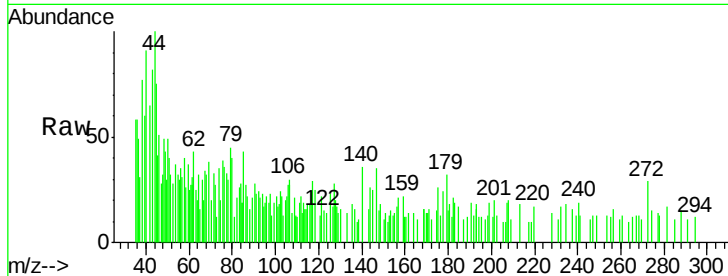
VX0221WBL01

Tgt Ion: 58 Resp: 296

Ion Ratio Lower Upper

58 100

43 309.9 257.7 386.5



#16

Carbon Disulfide

Concen: 0.54 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX014989.D

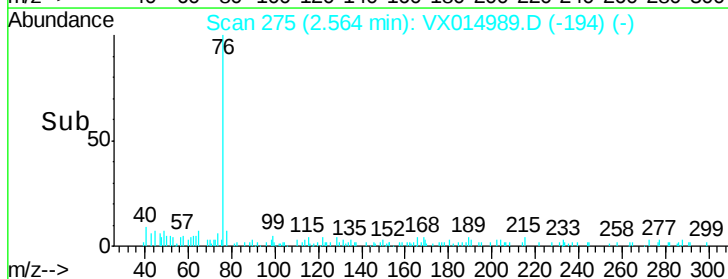
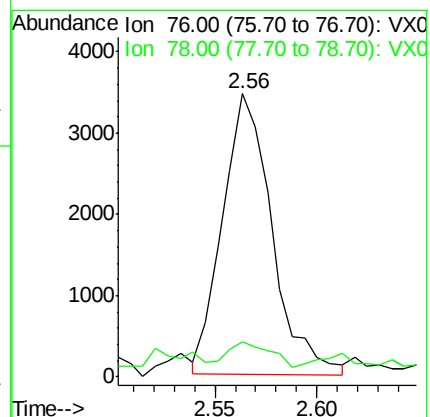
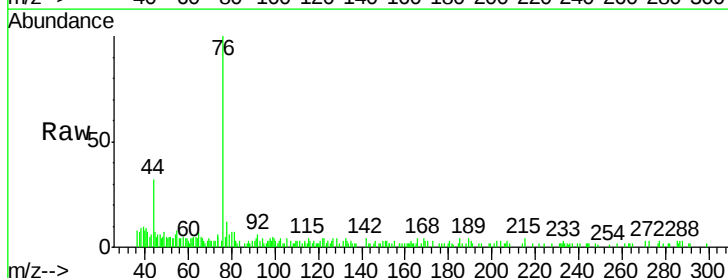
Acq: 21 Feb 2020 12:10

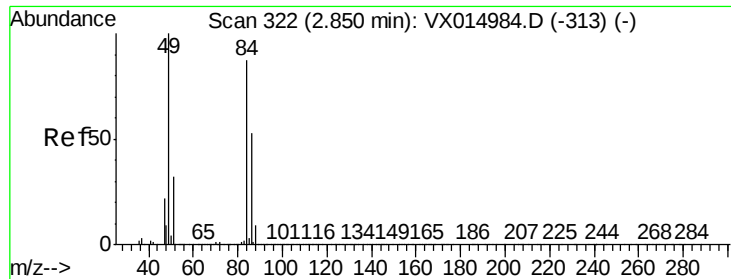
Tgt Ion: 76 Resp: 5808

Ion Ratio Lower Upper

76 100

78 4.4 7.1 10.7#

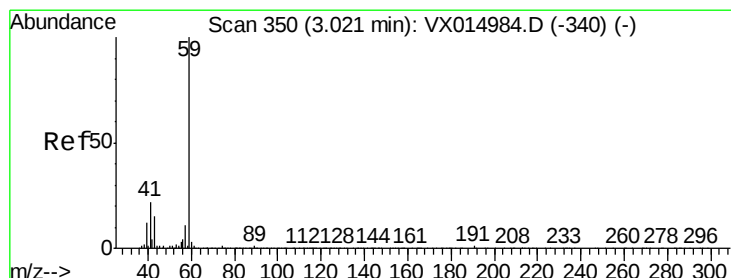
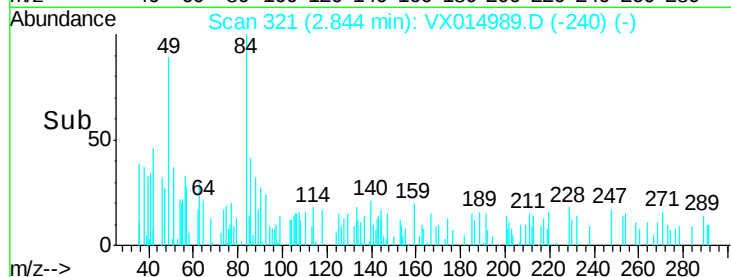
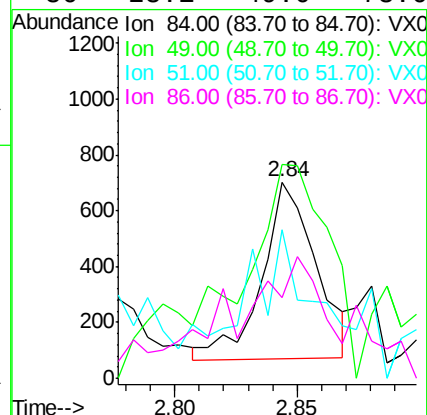
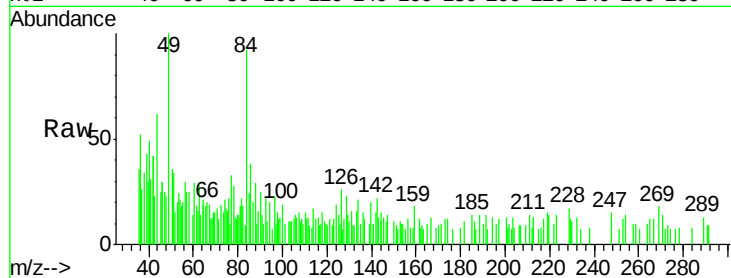




#18
Methylene Chloride
Concen: 0.21 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

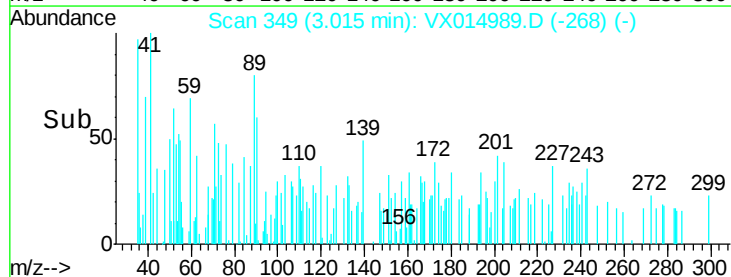
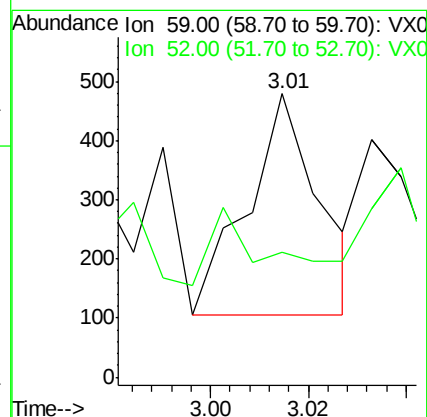
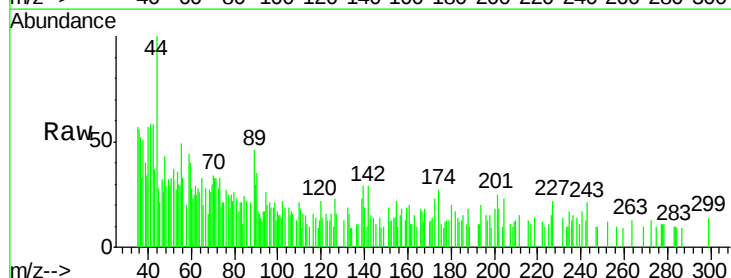
Instrument :
MSVOA_X
ClientSampleId :
VX0221WBL01

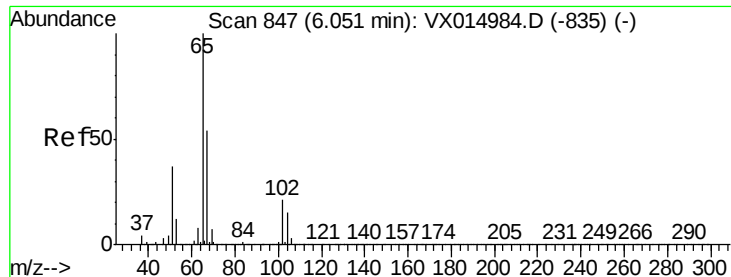
Tgt Ion: 84 Resp: 970
Ion Ratio Lower Upper
84 100
49 97.0 92.2 138.2
51 31.4 29.7 44.5
86 28.1 49.0 73.6#



#23
tert-Butyl Alcohol
Concen: 0.43 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

Tgt Ion: 59 Resp: 379
Ion Ratio Lower Upper
59 100
52 18.7 0.4 0.6#

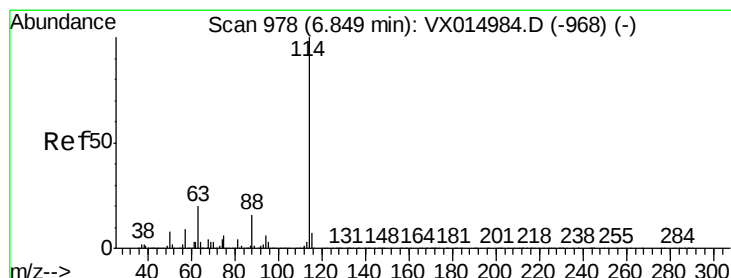
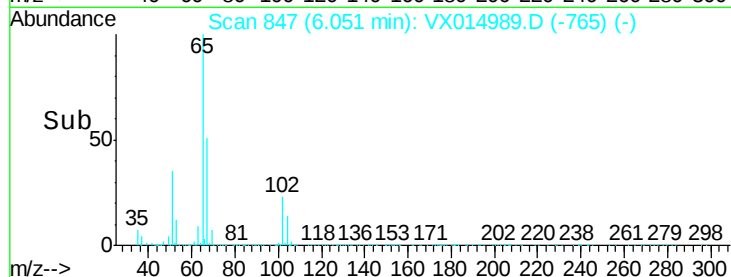
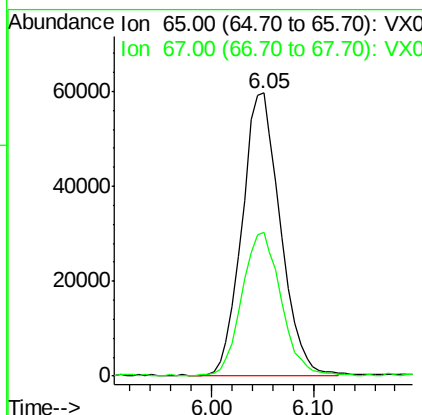
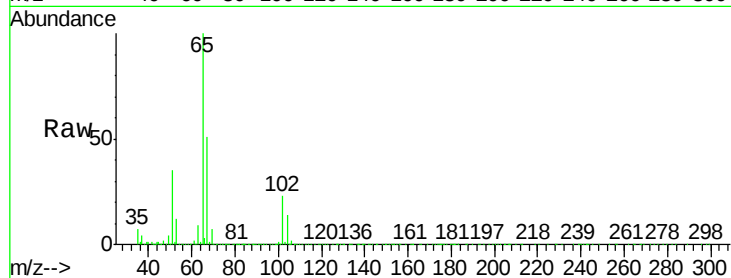




#27
 1,2-Dichloroethane-d4
 Concen: 29.62 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014989.D
 Acq: 21 Feb 2020 12:10

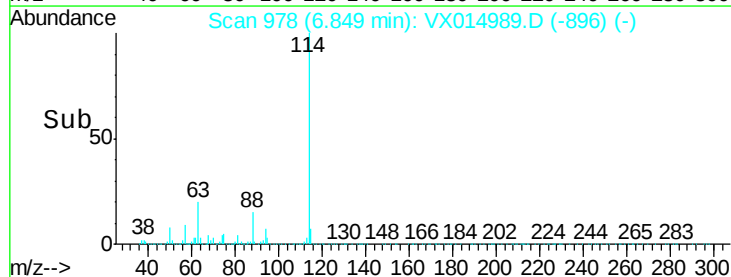
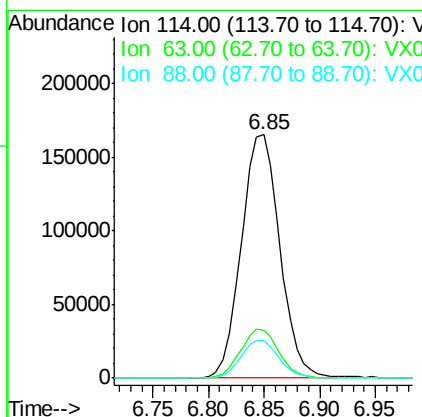
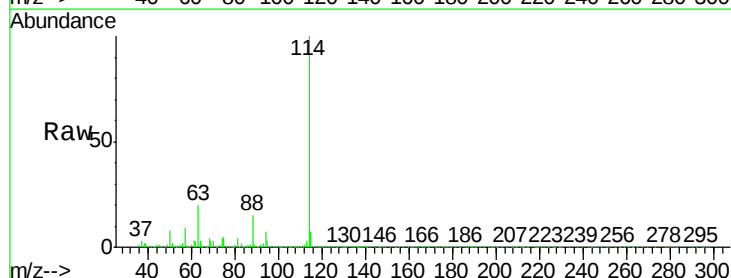
Instrument :
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 ClientSampleId :
 VX0221WBL01

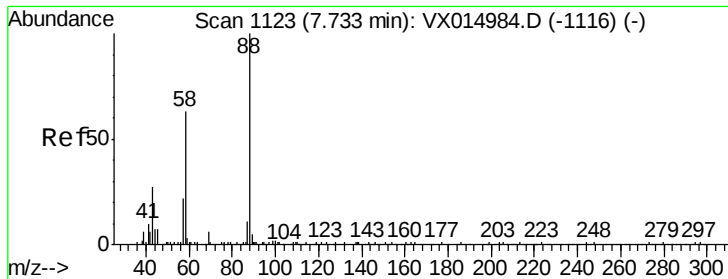
Tgt Ion: 65 Resp: 156065
 Ion Ratio Lower Upper
 65 100
 67 51.9 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014989.D
 Acq: 21 Feb 2020 12:10

Tgt Ion: 114 Resp: 397365
 Ion Ratio Lower Upper
 114 100
 63 20.0 15.6 23.4
 88 15.5 12.2 18.2

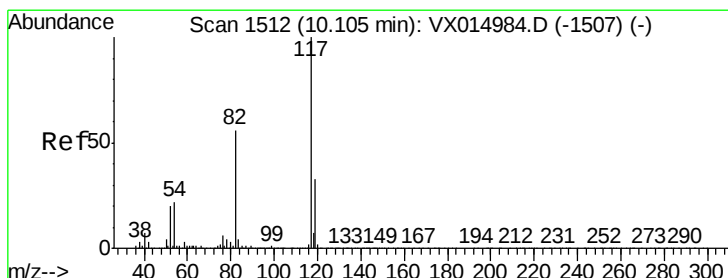
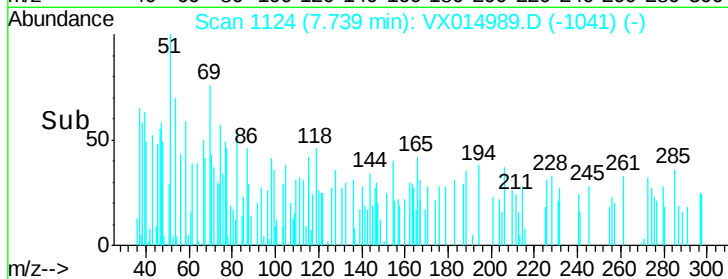
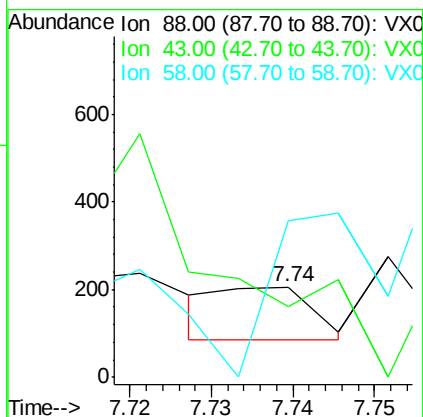
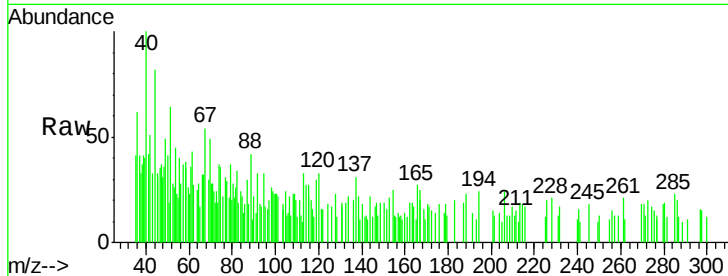




#45
1,4-Dioxane
Concen: 1.01 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

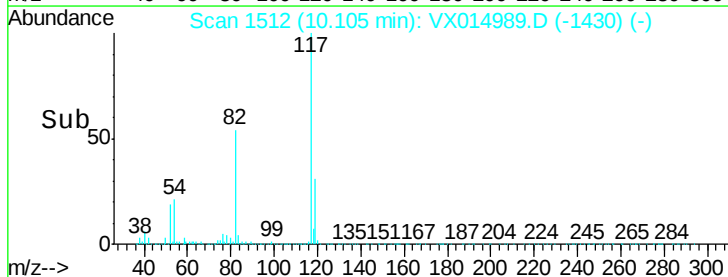
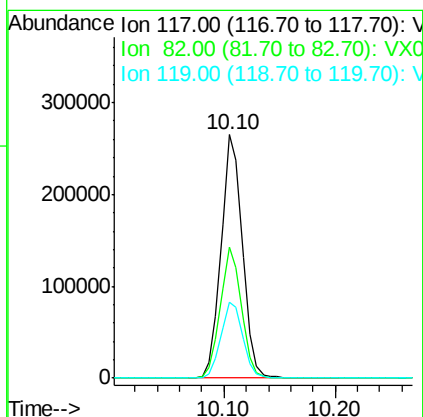
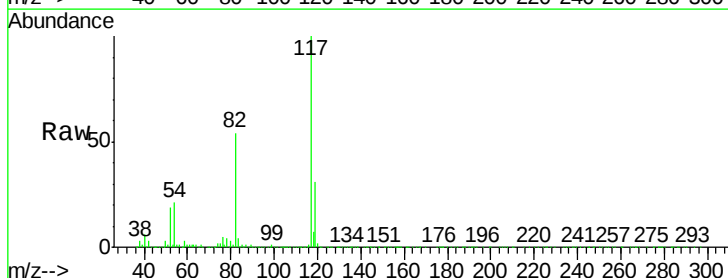
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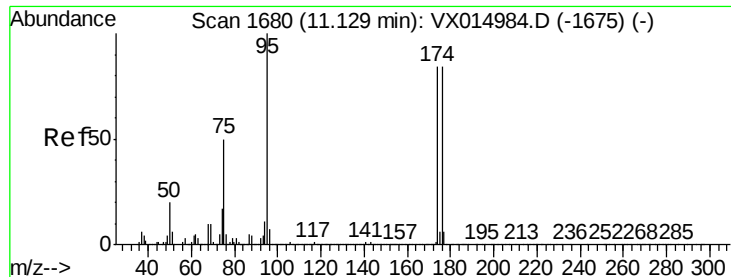
Tgt Ion: 88 Resp: 92
Ion Ratio Lower Upper
88 100
43 89.1 25.4 38.2#
58 364.1 55.8 83.8#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

Tgt Ion: 117 Resp: 351819
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.2
119 32.0 26.0 39.0

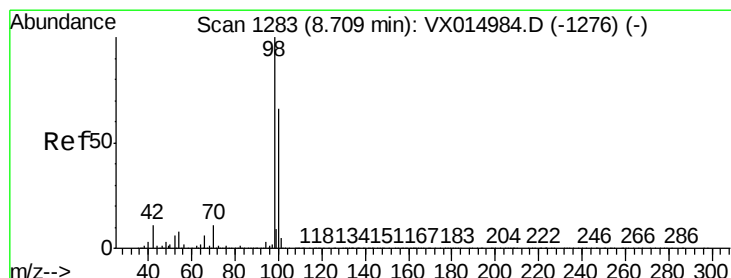
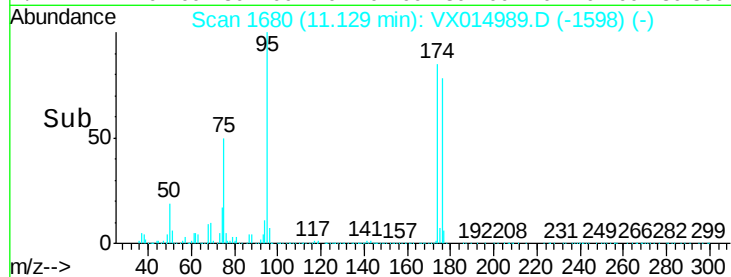
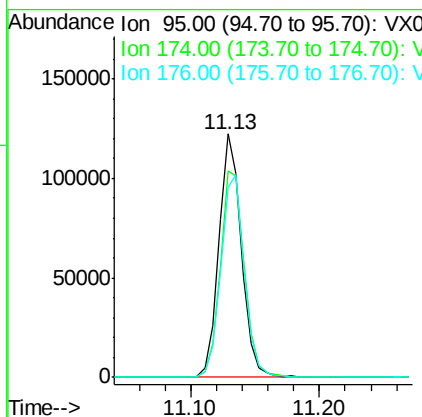
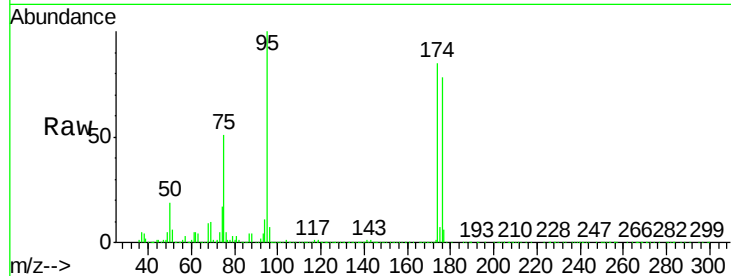




#60
4-Bromofluorobenzene
Concen: 27.55 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

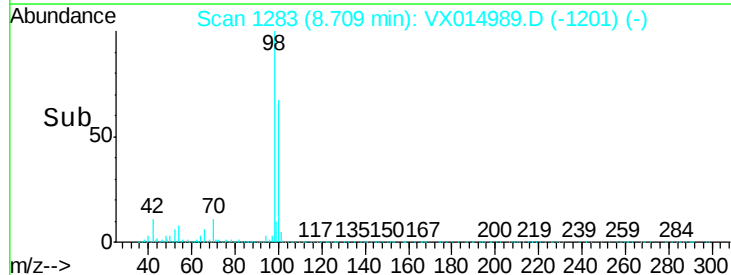
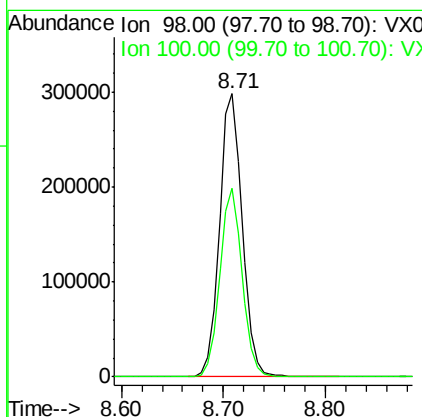
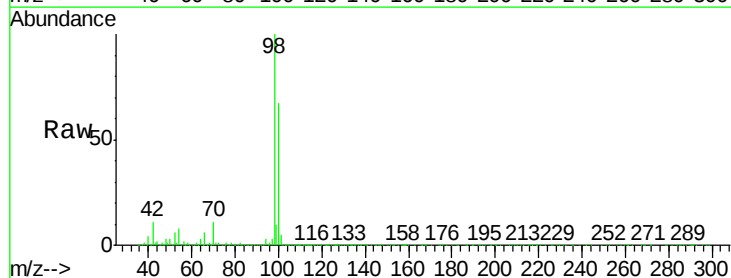
Instrument :
MSVOA_X
ClientSampleId :
VX0221WBL01

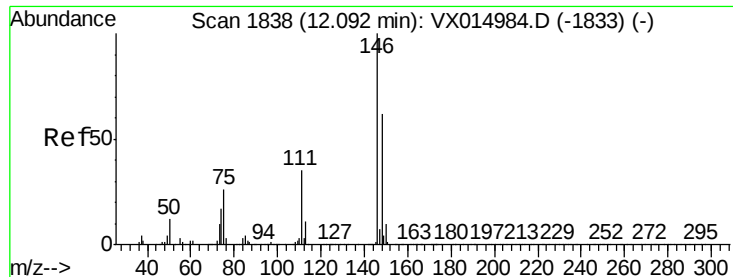
Tgt Ion: 95 Resp: 150971
Ion Ratio Lower Upper
95 100
174 90.5 72.3 108.5
176 86.9 72.0 108.0



#63
Toluene-d8
Concen: 30.18 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014989.D
Acq: 21 Feb 2020 12:10

Tgt Ion: 98 Resp: 463025
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2

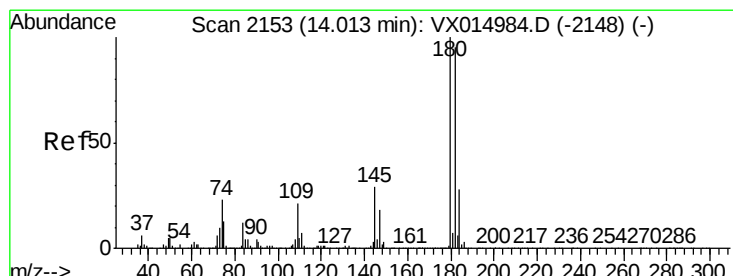
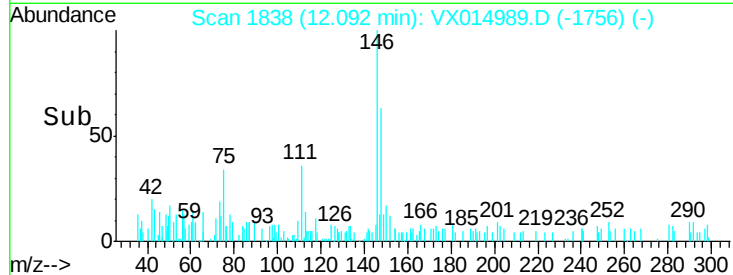
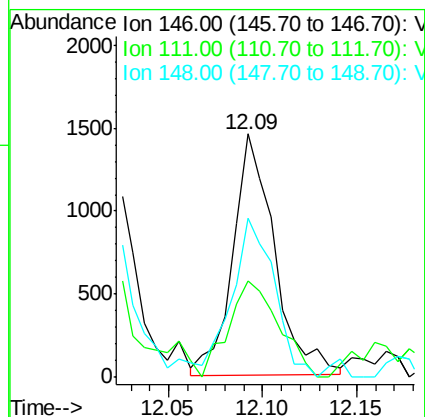
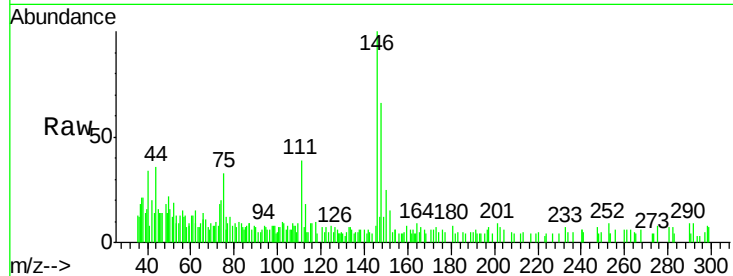




#84
 1,4-Dichlorobenzene
 Concen: 0.24 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014989.D
 Acq: 21 Feb 2020 12:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0221WBL01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	17.8	53.5
148	66.6	31.4	94.2



#92
 1,2,3-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX014989.D
 Acq: 21 Feb 2020 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.4	0.0	192.4
145	20.3	0.0	60.4

