

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040120\
 Data File : VX015460.D
 Acq On : 01 Apr 2020 11:51
 Operator : JC/SP
 Sample : VX0401WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 09:01:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	223819	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.83	114	1280476	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1131082	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	554843	31.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.73%
60) 4-Bromofluorobenzene	11.12	95	567383	29.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.70%
63) Toluene-d8	8.70	98	1500009	31.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.03%

Target Compounds

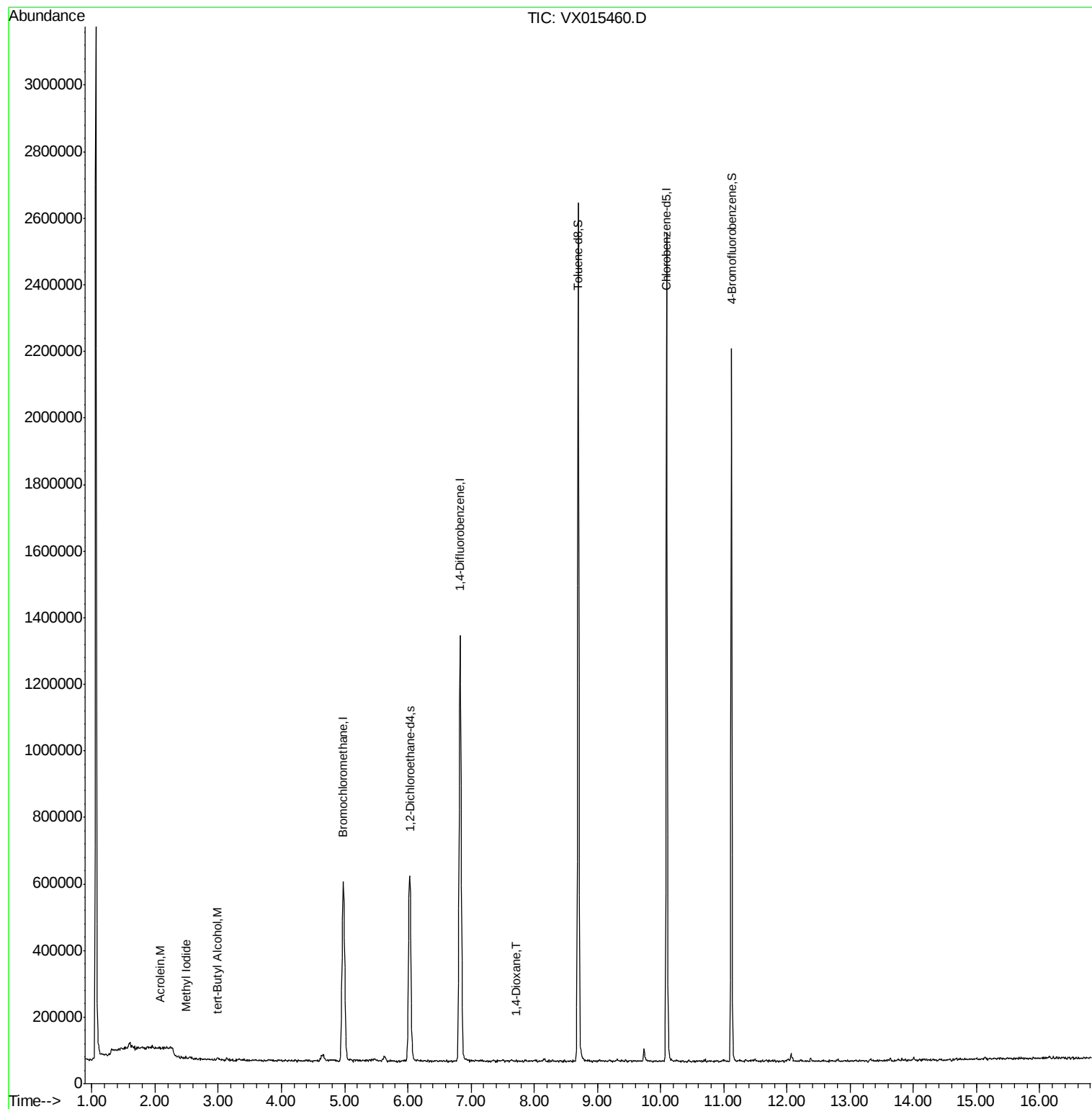
					Ovalue	
11) Methyl Iodide	2.50	142	4819	0.298	ug/l	91
13) Acrolein	2.09	56	617	0.266	ug/l	89
23) tert-Butyl Alcohol	2.98	59	5546	1.477	ug/l #	96
45) 1,4-Dioxane	7.73	88	319	0.858	ug/l #	48

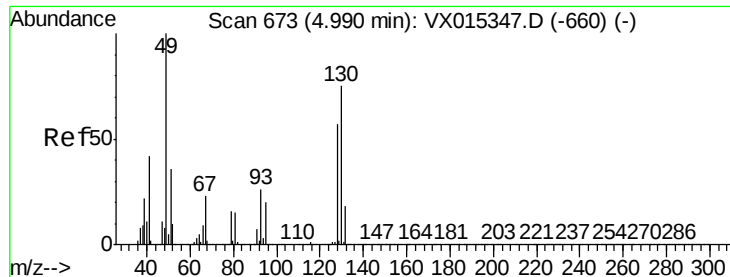
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 671

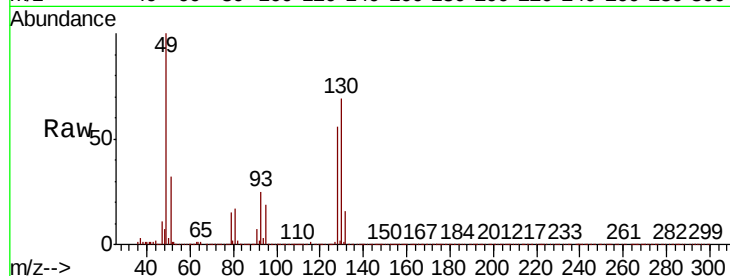
Delta R.T. -0.01 min

Lab File: VX015460.D

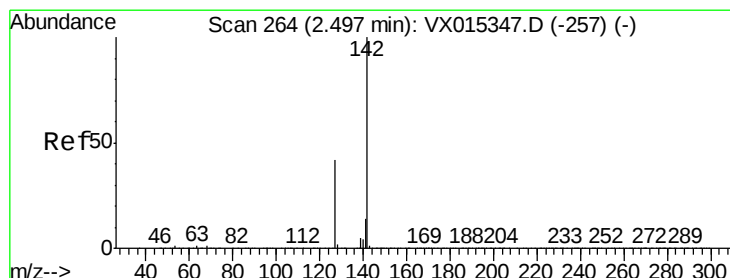
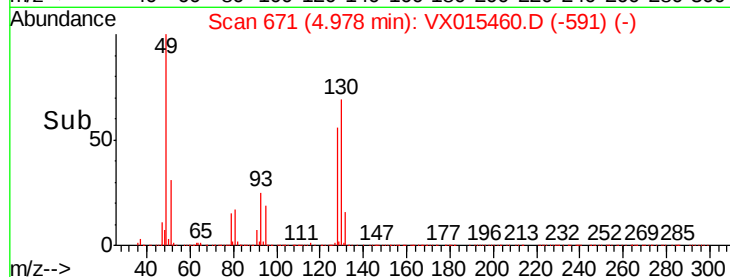
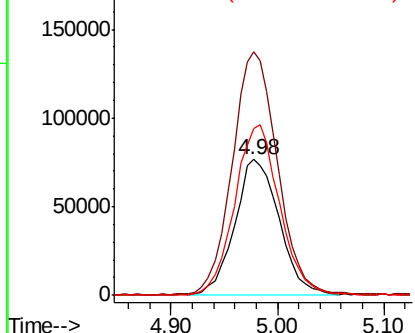
Acq: 01 Apr 2020 11:51

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	128	Resp:	223819
Ion	Ratio	Lower	Upper
128	100		
49	182.6	0.0	428.0
130	127.3	0.0	324.5



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: 0.298 ug/l

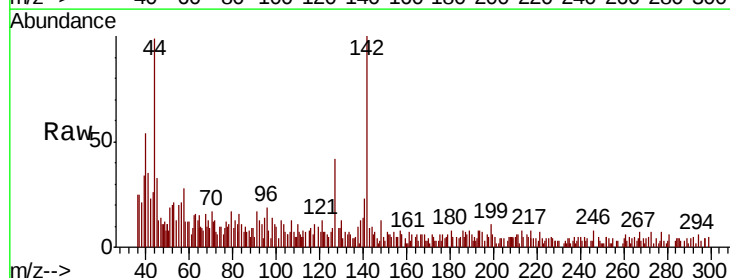
RT: 2.50 min Scan# 264

Delta R.T. -0.00 min

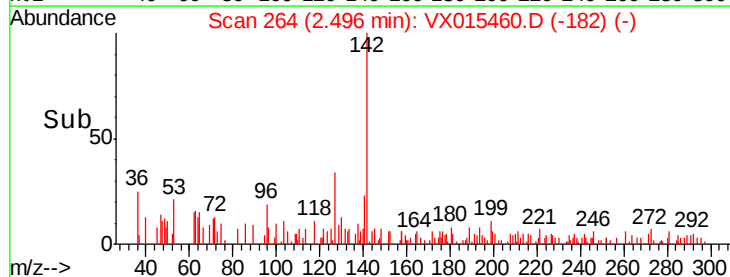
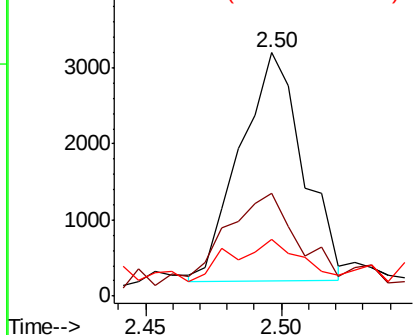
Lab File: VX015460.D

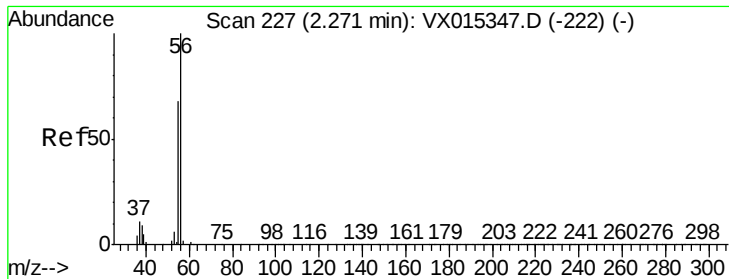
Acq: 01 Apr 2020 11:51

Tgt Ion:	142	Resp:	4819
Ion	Ratio	Lower	Upper
142	100		
127	37.1	21.0	63.0
141	18.7	6.9	20.7



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

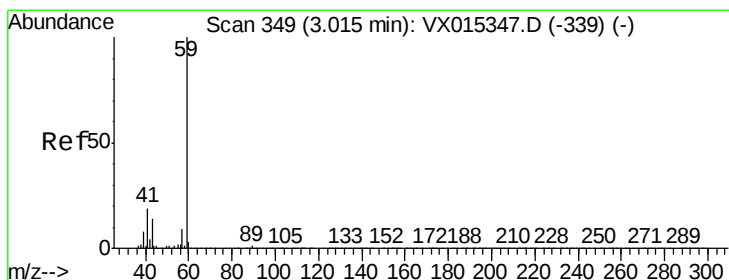
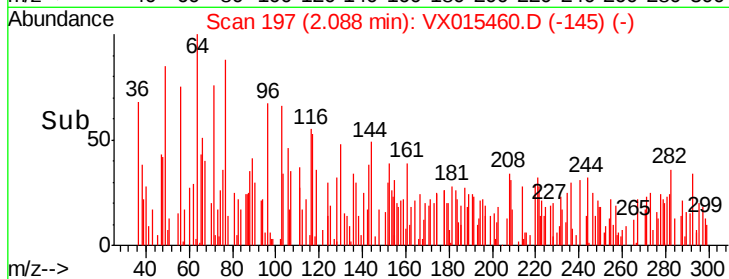
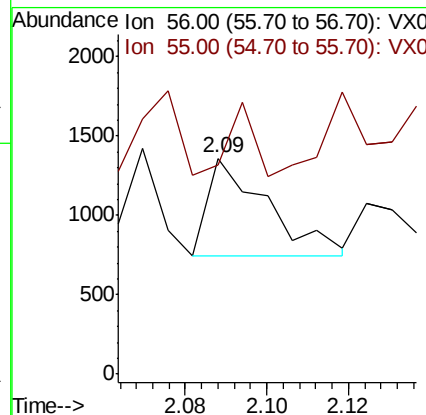
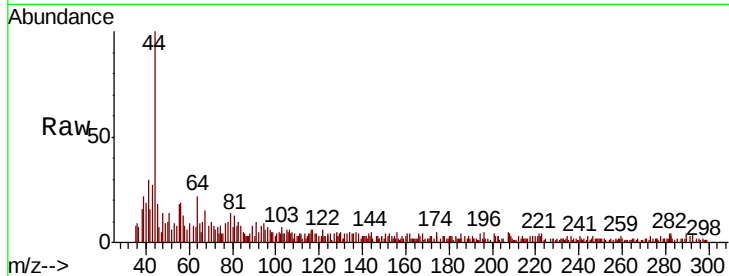




#13
Acrolein
Concen: 0.266 ug/l
RT: 2.09 min Scan# 197
Delta R.T. -0.18 min
Lab File: VX015460.D
Acq: 01 Apr 2020 11:51

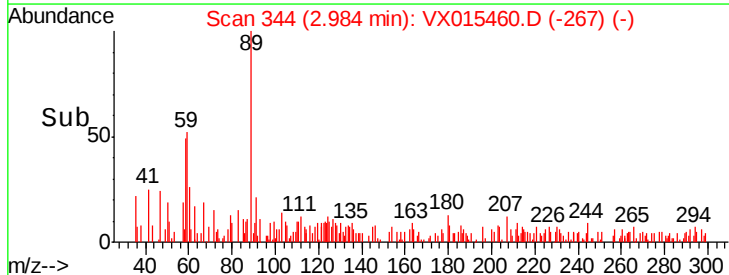
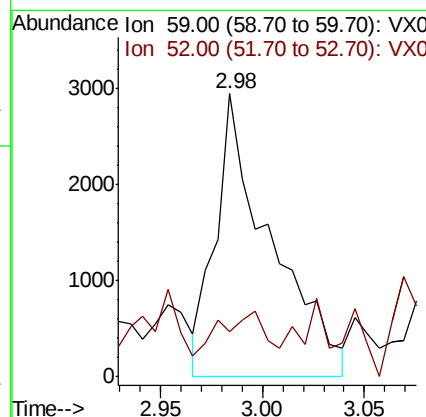
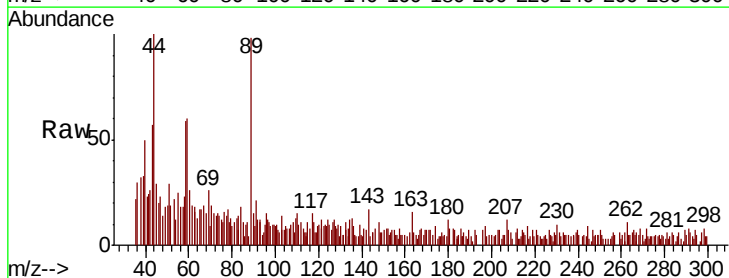
Instrument :
MSVOA_X
ClientSampled :

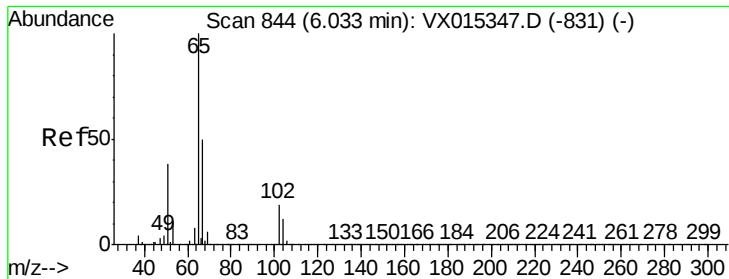
Tot Ion: 56 Resp: 617
Ion Ratio Lower Upper
56 100
55 75.9 53.5 80.3



#23
tert-Butyl Alcohol
Concen: 1.477 ug/l
RT: 2.98 min Scan# 344
Delta R.T. -0.03 min
Lab File: VX015460.D
Acq: 01 Apr 2020 11:51

Tgt Ion: 59 Resp: 5546
Ion Ratio Lower Upper
59 100
52 4.9 0.2 0.2#

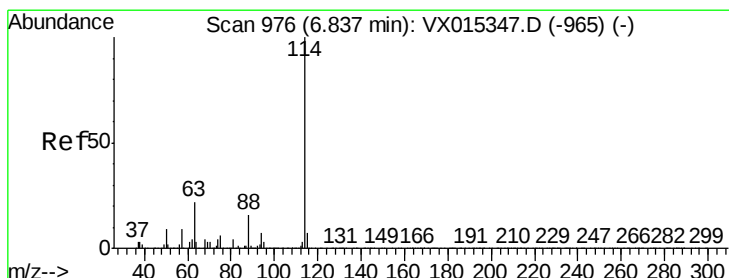
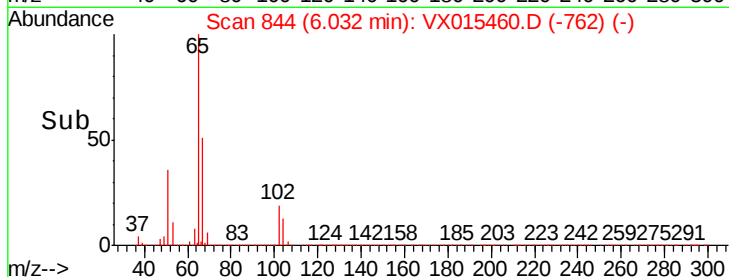
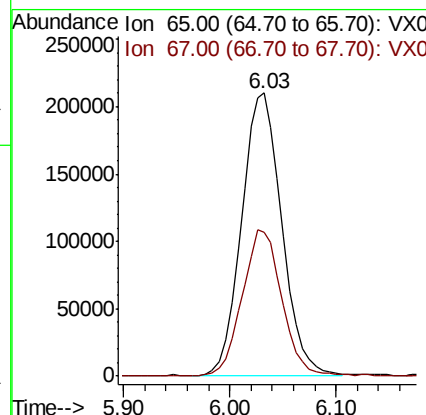
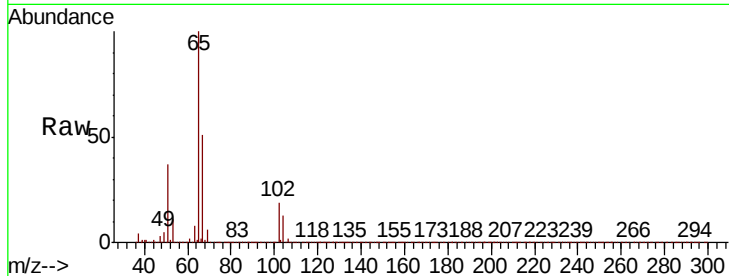




#27
 1,2-Dichloroethane-d4
 Concen: 31.724 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015460.D
 Acq: 01 Apr 2020 11:51

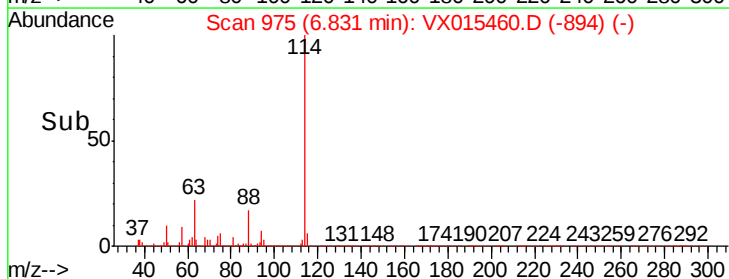
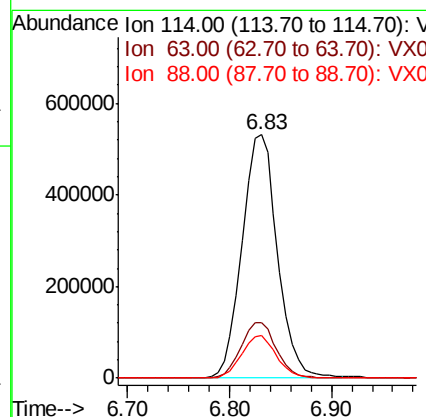
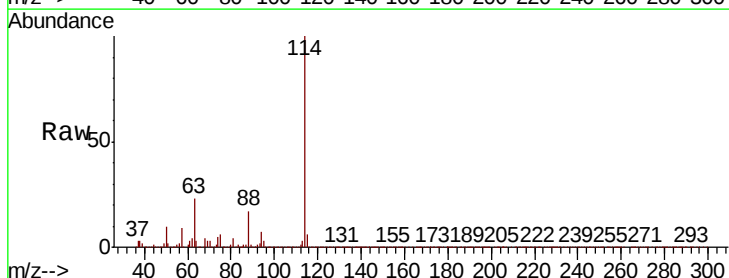
Instrument :
 MSVOA_X
 ClientSampled :

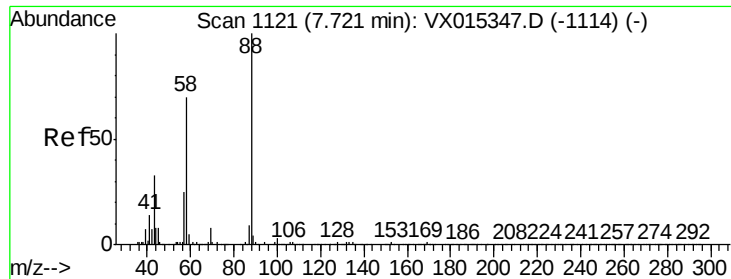
Tot Ion: 65 Resp: 554843
 Ion Ratio Lower Upper
 65 100
 67 50.6 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015460.D
 Acq: 01 Apr 2020 11:51

Tgt Ion: 114 Resp: 1280476
 Ion Ratio Lower Upper
 114 100
 63 22.8 17.4 26.2
 88 17.0 12.9 19.3

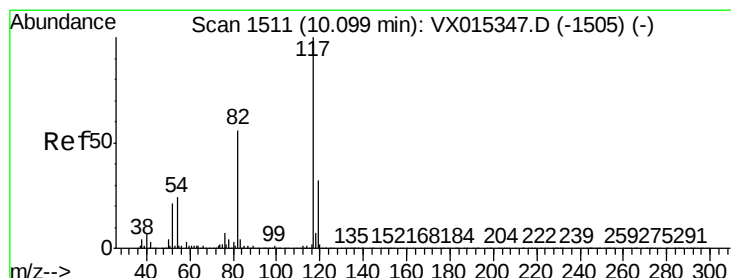
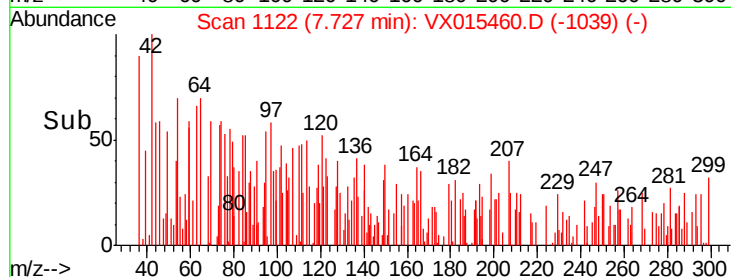
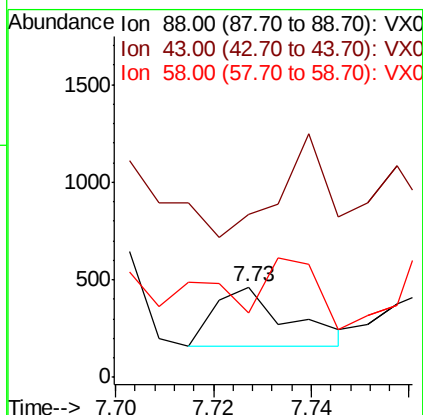
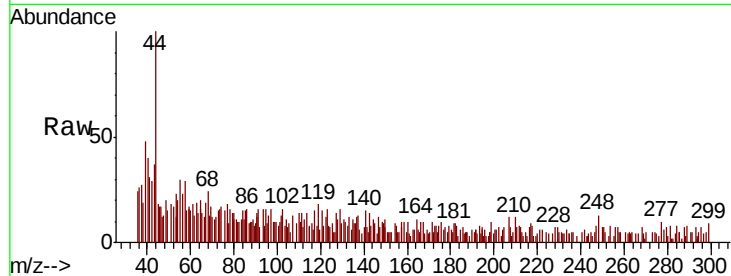




#45
1,4-Dioxane
Concen: 0.858 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015460.D
Acq: 01 Apr 2020 11:51

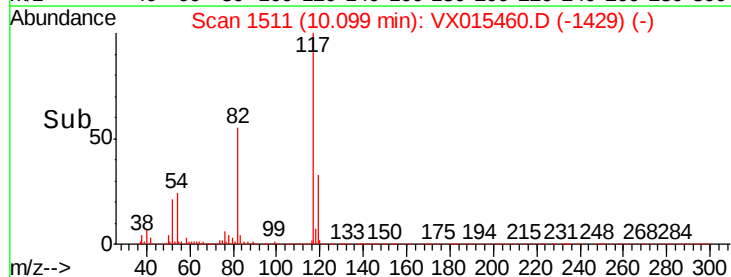
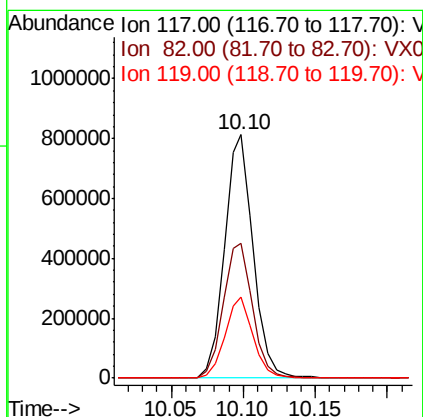
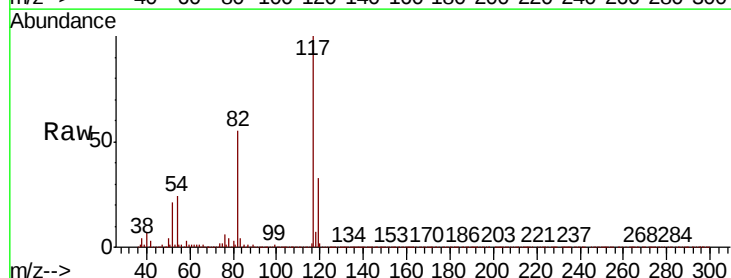
Instrument :
MSVOA_X
ClientSampled :

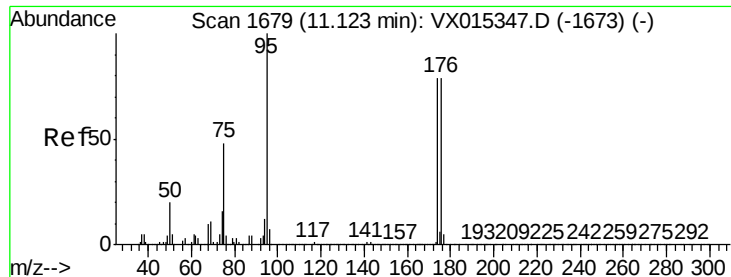
Tot Ion: 88 Resp: 319
Ion Ratio Lower Upper
88 100
43 106.3 32.1 48.1#
58 93.4 59.4 89.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015460.D
Acq: 01 Apr 2020 11:51

Tgt Ion: 117 Resp: 1131082
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.6
119 32.5 25.5 38.3

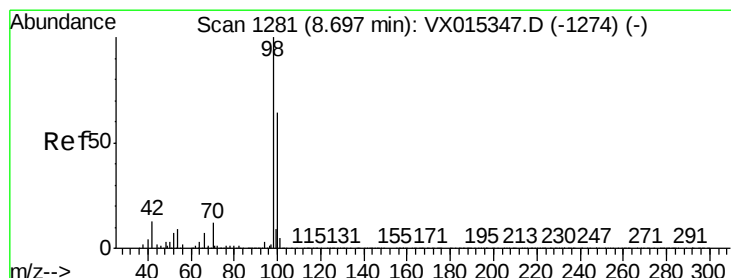
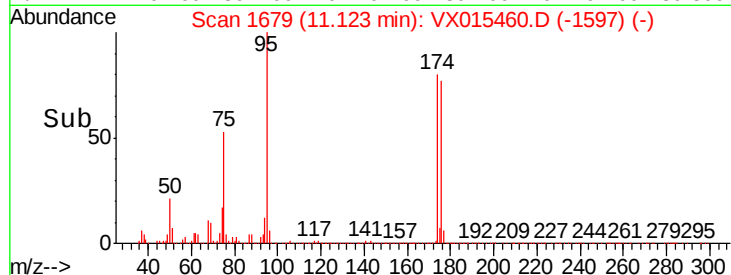
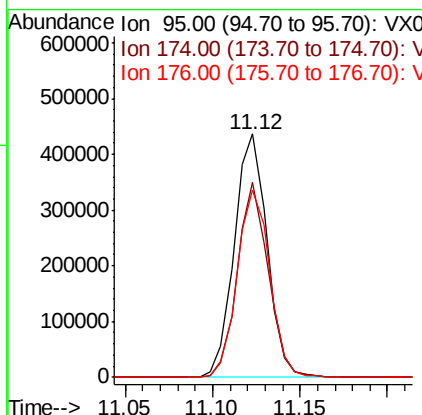
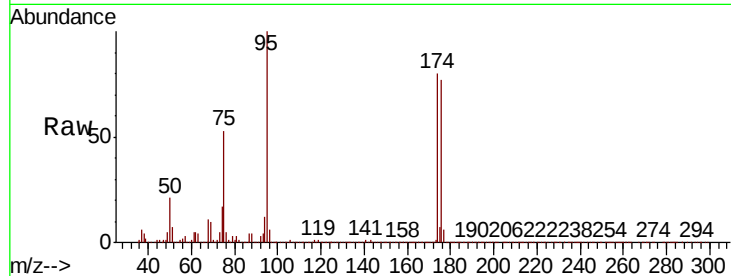




#60
4-Bromofluorobenzene
Concen: 29.311 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VX015460.D
Acq: 01 Apr 2020 11:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	95	Resp	567383
Ion Ratio	Lower	Upper	
95	100		
174	76.0	66.4	99.6
176	77.1	64.1	96.1



#63
Toluene-d8
Concen: 31.214 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015460.D
Acq: 01 Apr 2020 11:51

Tgt Ion	98	Resp	1500009
Ion Ratio	Lower	Upper	
98	100		
100	67.0	52.2	78.2

