

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032620\
 Data File : VX015361.D
 Acq On : 26 Mar 2020 16:53
 Operator : JC/SP
 Sample : IBLK2
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 27 07:51:34 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	4.99	128	200686	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	1131162	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	995194	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	480294	30.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.10%
60) 4-Bromofluorobenzene	11.12	95	520120	30.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.80%
63) Toluene-d8	8.70	98	1335176	31.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.27%

Target Compounds

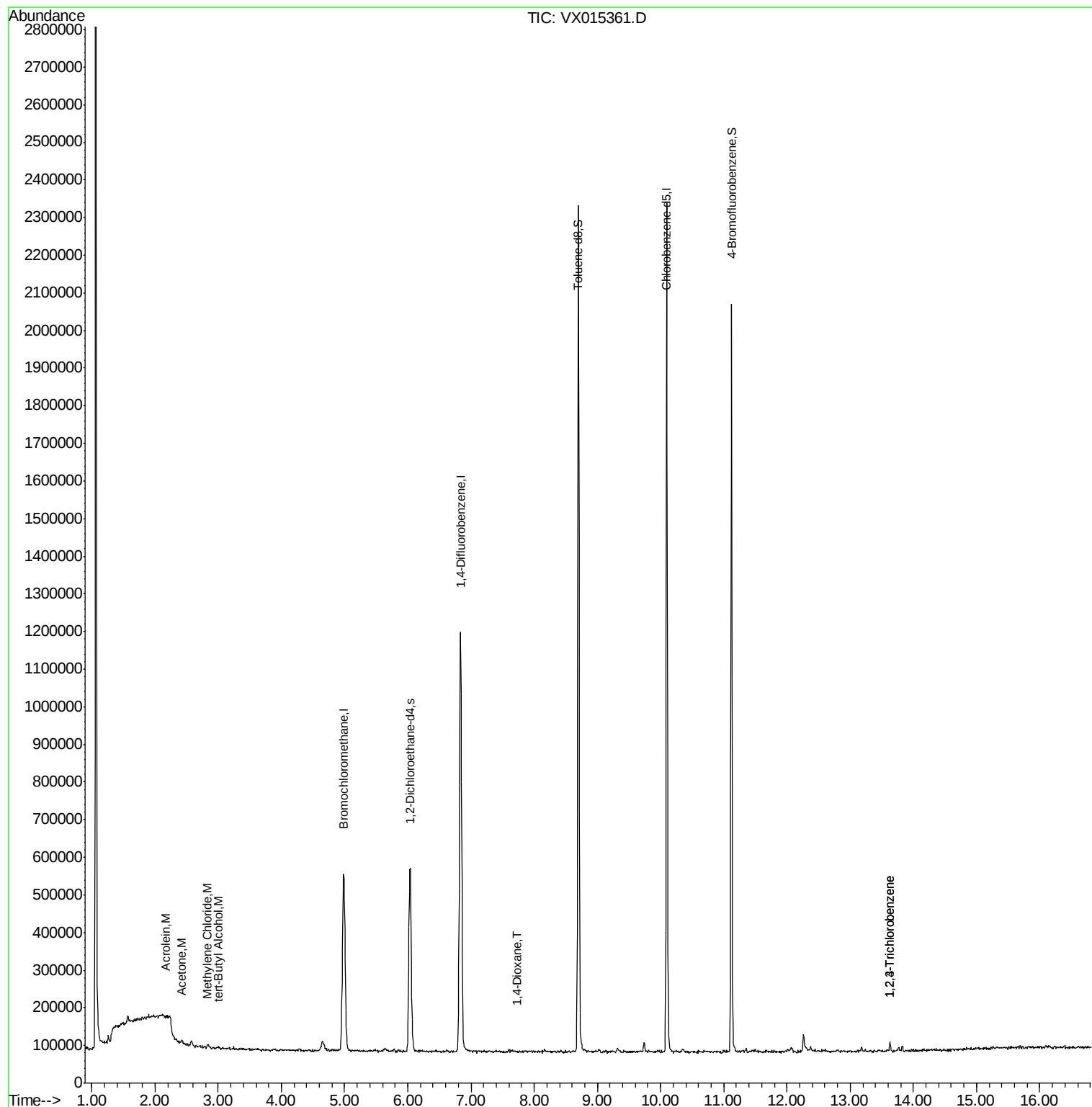
					Ovalue	
13) Acrolein	2.17	56	759	0.365	ug/l	93
15) Acetone	2.42	58	1759	1.011	ug/l	95
18) Methylene Chloride	2.84	84	3269	0.266	ug/l #	70
23) tert-Butyl Alcohol	3.00	59	4080	1.212	ug/l #	87
45) 1,4-Dioxane	7.72	88	171	0.520	ug/l #	1
89) 1,2,4-Trichlorobenzene	13.63	180	5512	0.257	ug/l #	76
92) 1,2,3-Trichlorobenzene	13.63	180	5584	0.262	ug/l	76

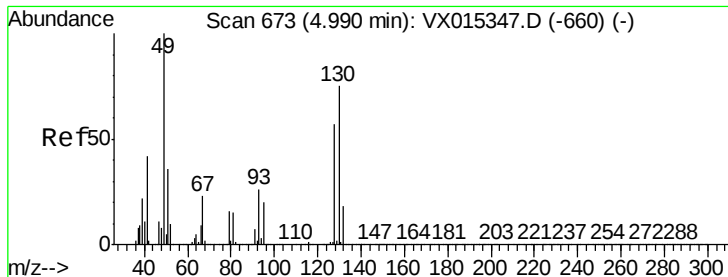
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 27 07:51:34 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.99 min Scan# 673

Delta R.T. 0.00 min

Lab File: VX015361.D

Acq: 26 Mar 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :

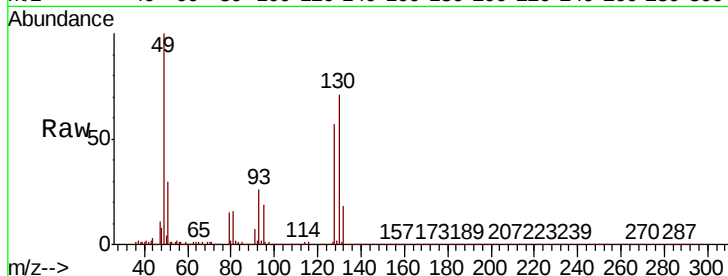
Tot Ion:128 Resp: 200686

Ion Ratio Lower Upper

128 100

49 175.7 0.0 428.0

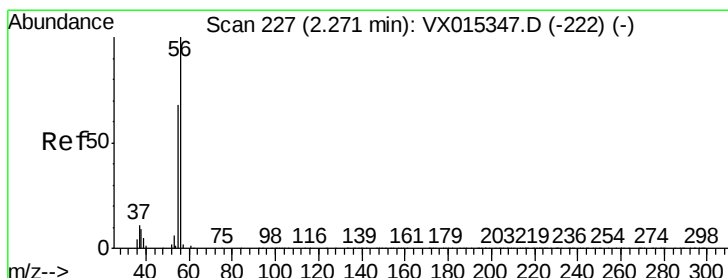
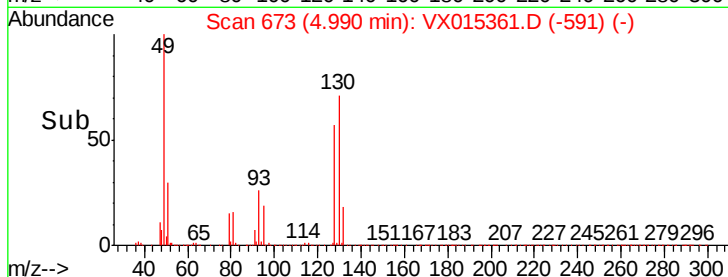
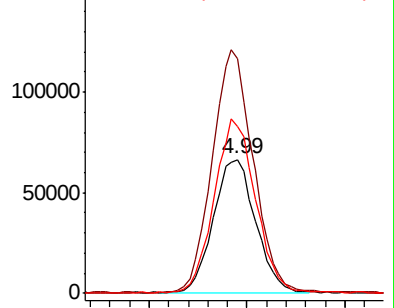
130 126.5 0.0 324.5



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



#13

Acrolein

Concen: 0.365 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.10 min

Lab File: VX015361.D

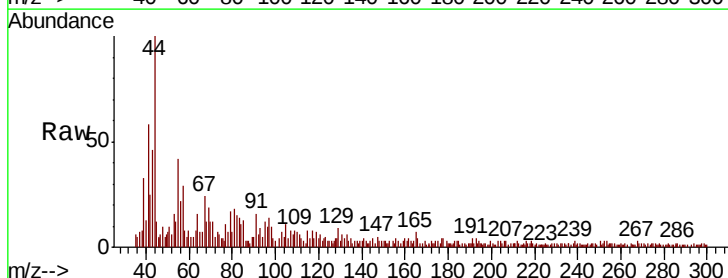
Acq: 26 Mar 2020 16:53

Tgt Ion: 56 Resp: 759

Ion Ratio Lower Upper

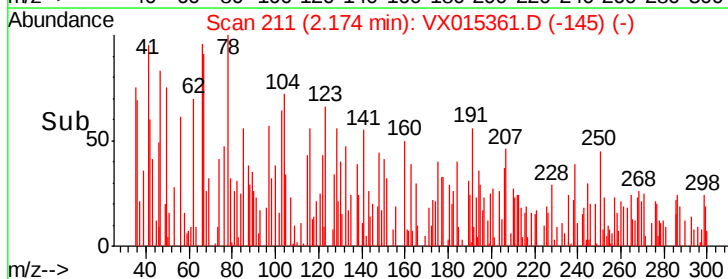
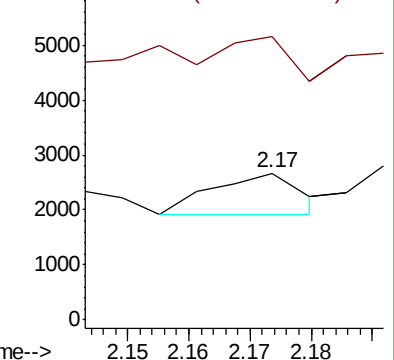
56 100

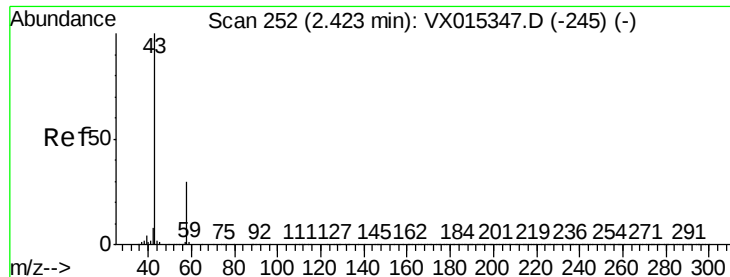
55 72.9 53.5 80.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

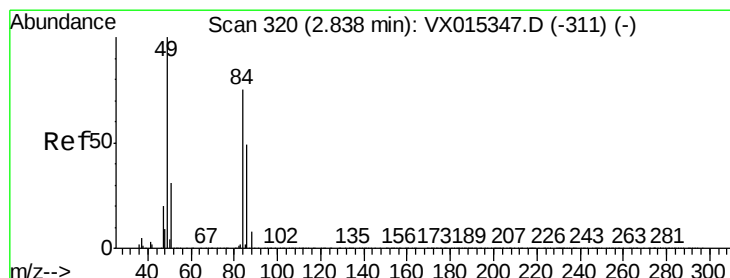
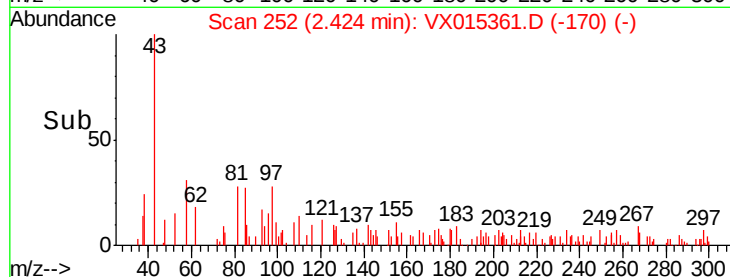
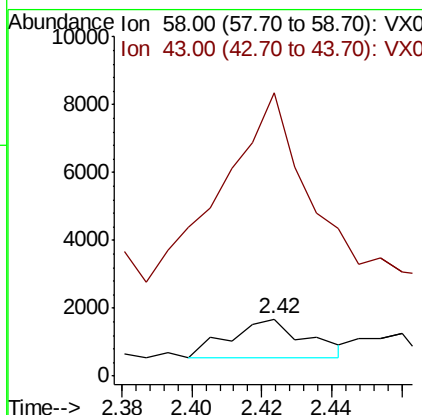
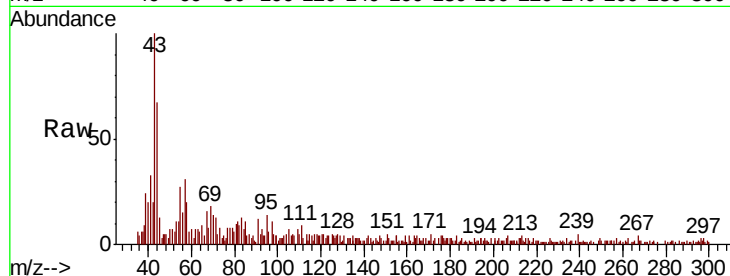




#15
Acetone
Concen: 1.011 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.00 min
Lab File: VX015361.D
Acq: 26 Mar 2020 16:53

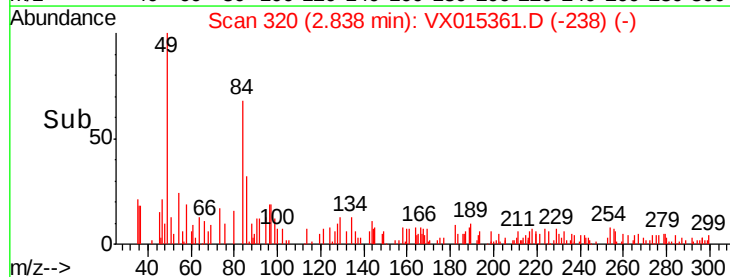
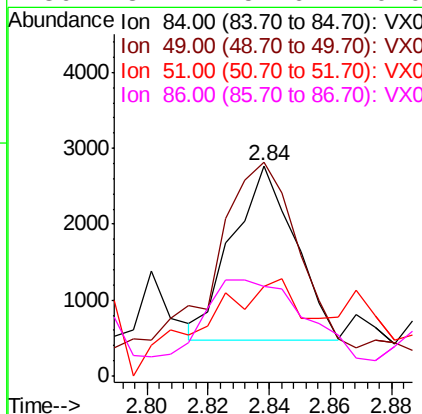
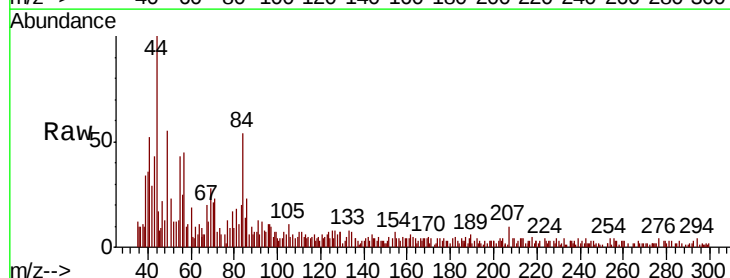
Instrument :
MSVOA_X
ClientSampled :

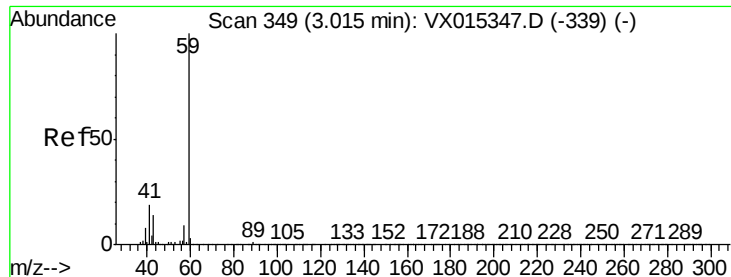
Tot Ion: 58 Resp: 1759
Ion Ratio Lower Upper
58 100
43 345.8 267.8 401.8



#18
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.00 min
Lab File: VX015361.D
Acq: 26 Mar 2020 16:53

Tgt Ion: 84 Resp: 3269
Ion Ratio Lower Upper
84 100
49 101.8 107.0 160.4#
51 27.5 33.4 50.0#
86 32.2 52.6 79.0#



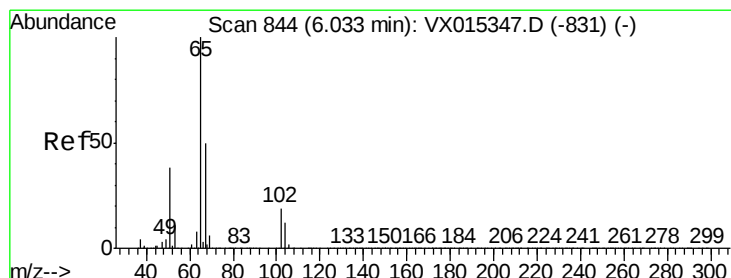
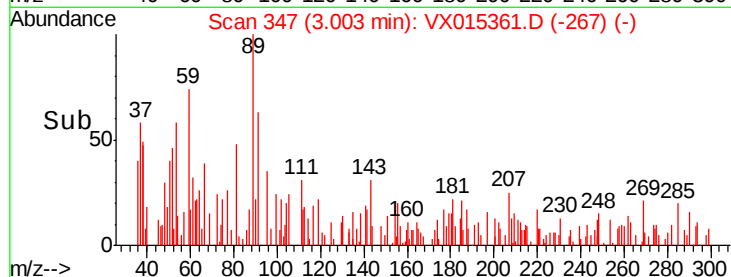
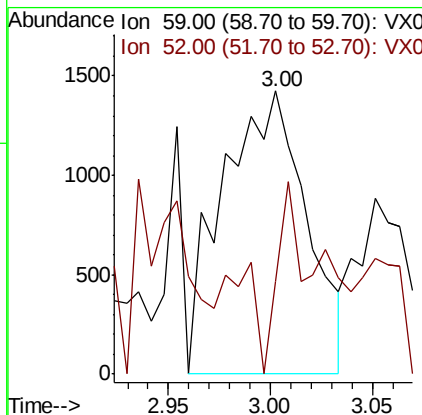
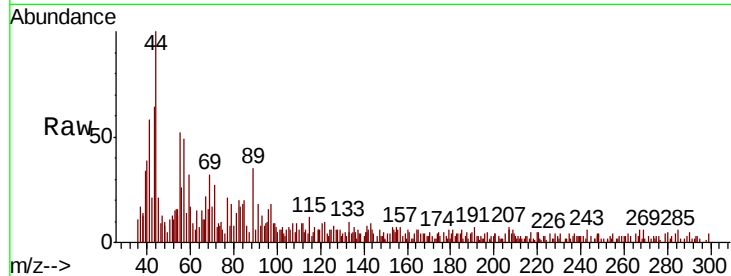


#23

tert-Butyl Alcohol
Concen: 1.212 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015361.D
Acq: 26 Mar 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :

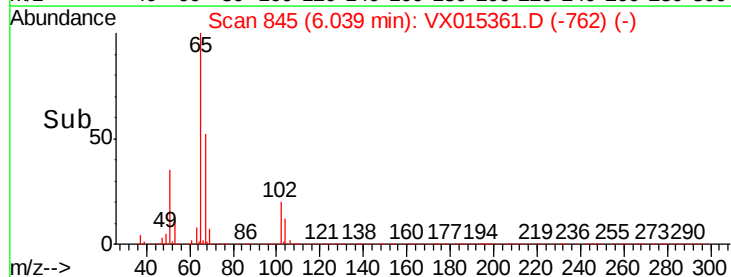
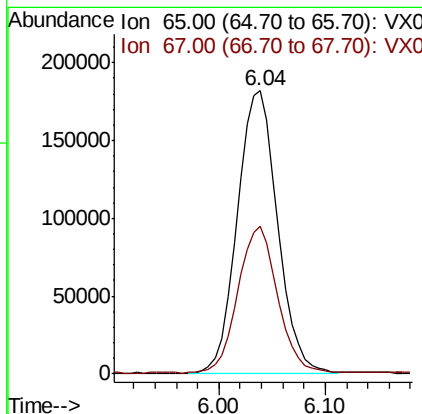
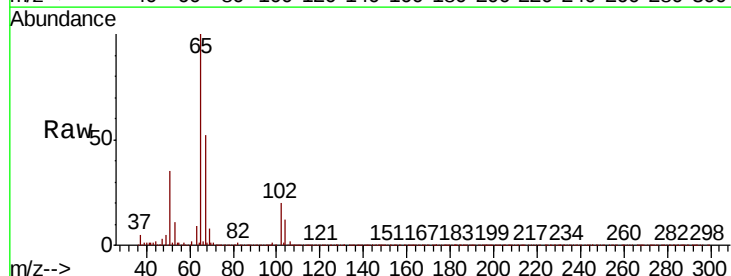
Tot Ion: 59 Resp: 4080
Ion Ratio Lower Upper
59 100
52 17.1 0.2 0.2#

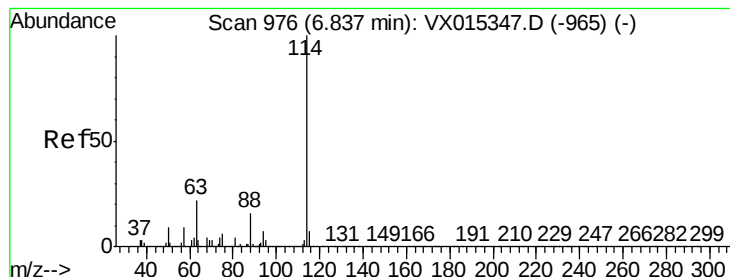


#27

1,2-Dichloroethane-d4
Concen: 30.627 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015361.D
Acq: 26 Mar 2020 16:53

Tgt Ion: 65 Resp: 480294
Ion Ratio Lower Upper
65 100
67 51.0 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015361.D

Acq: 26 Mar 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

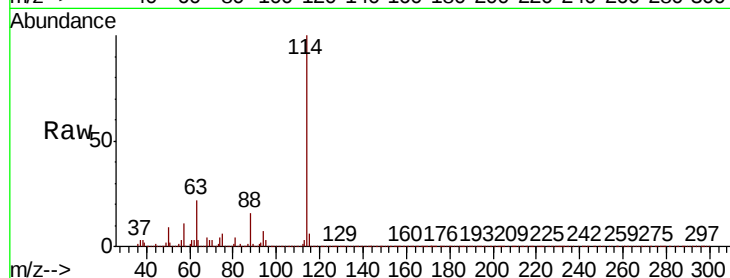
Tot Ion:114 Resp: 1131162

Ion Ratio Lower Upper

114 100

63 22.4 17.4 26.2

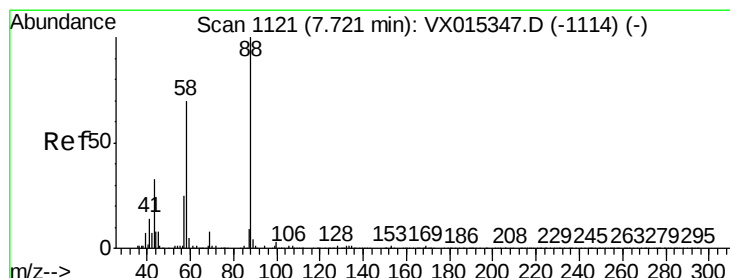
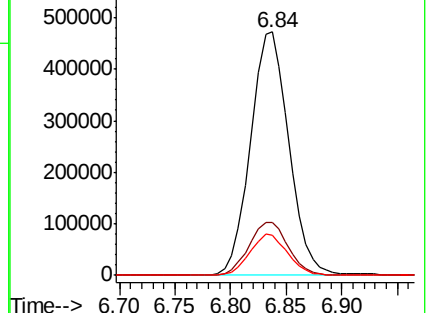
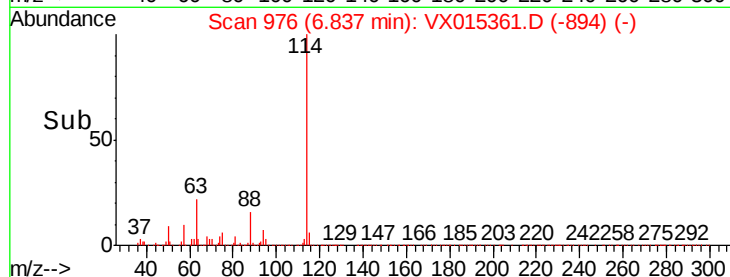
88 16.6 12.9 19.3



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: 0.520 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VX015361.D

Acq: 26 Mar 2020 16:53

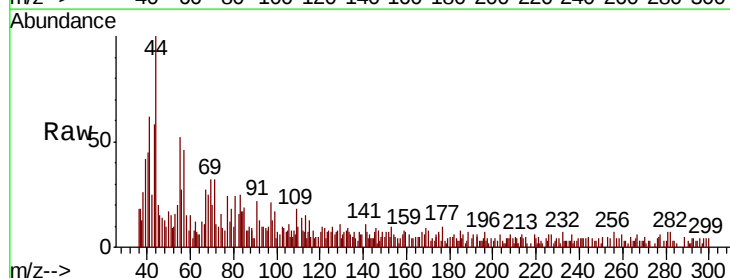
Tgt Ion: 88 Resp: 171

Ion Ratio Lower Upper

88 100

43 105.8 32.1 48.1#

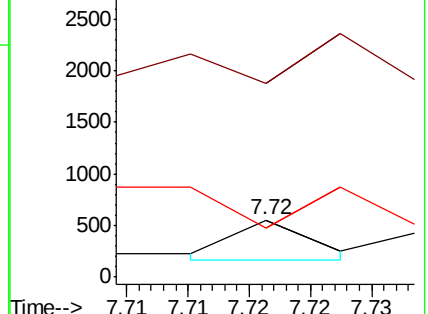
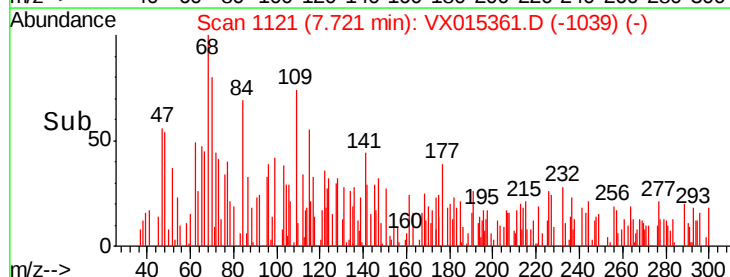
58 235.7 59.4 89.0#

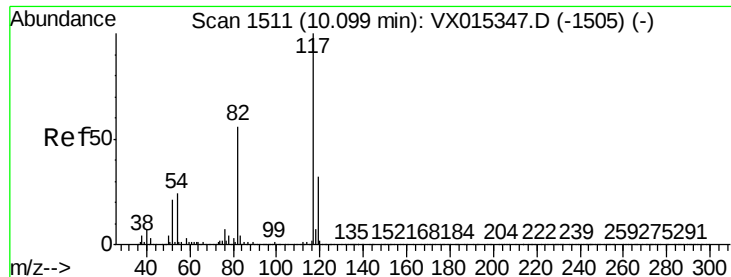


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

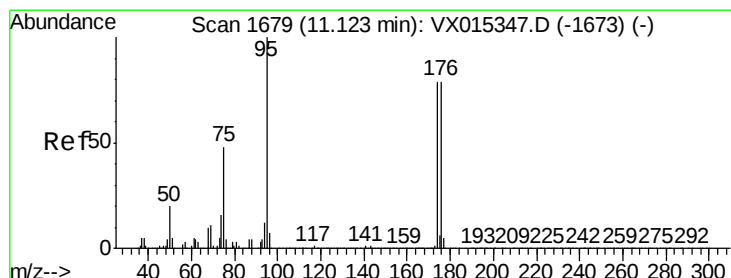
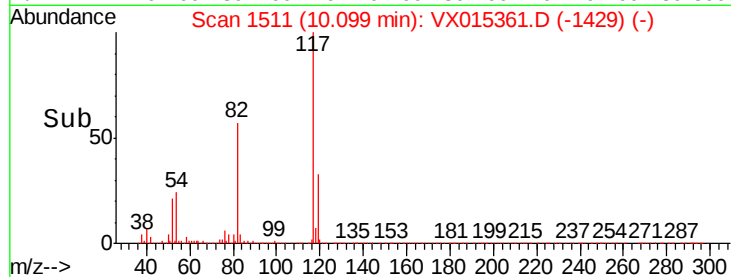
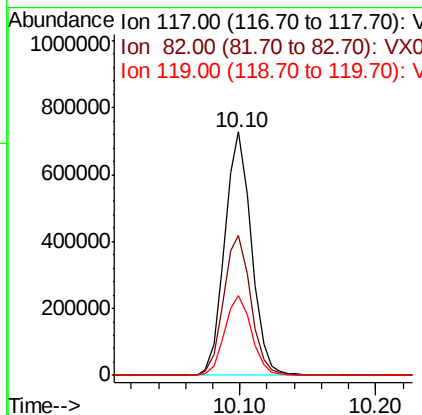
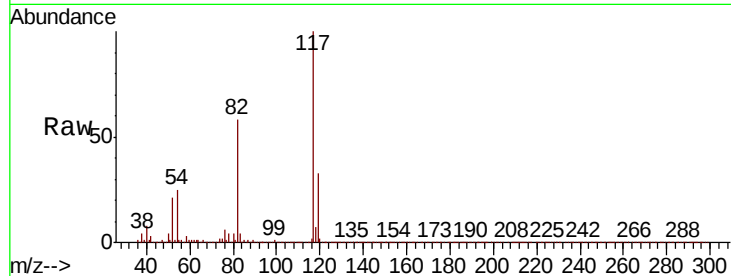




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015361.D
Acq: 26 Mar 2020 16:53

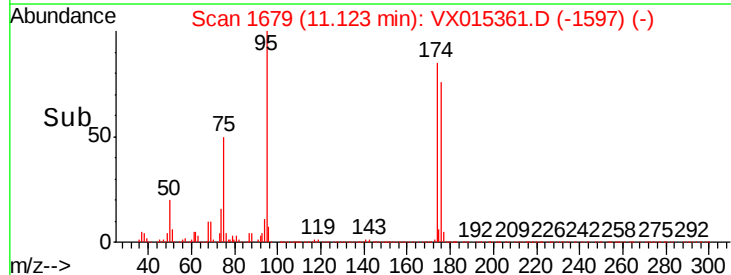
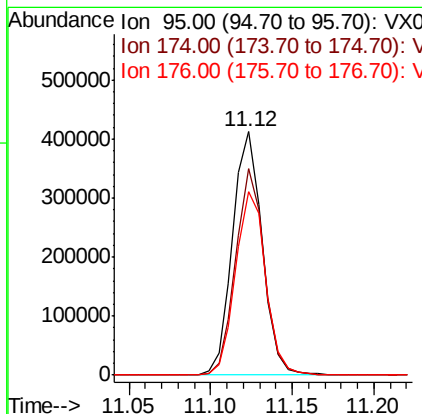
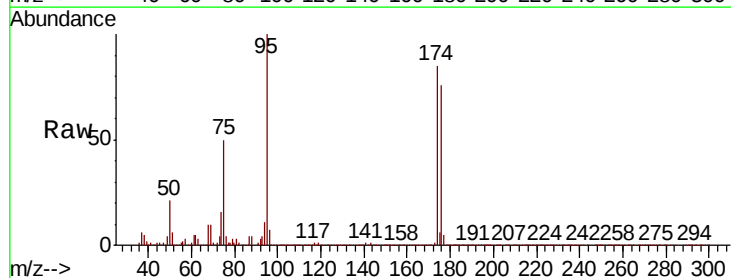
Instrument :
MSVOA_X
ClientSampleId :

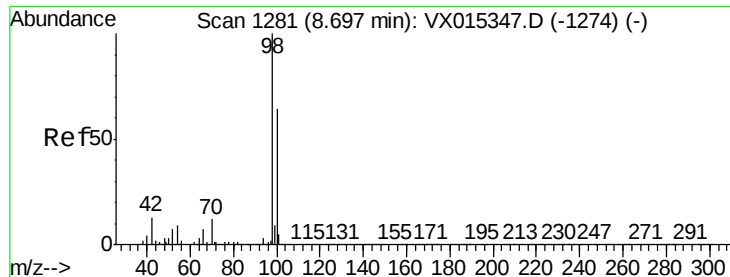
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.0	67.6
119	32.6	25.5	38.3



#60
4-Bromofluorobenzene
Concen: 30.539 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015361.D
Acq: 26 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	66.4	99.6
176	76.9	64.1	96.1





#63

Toluene-d8

Concen: 31.578 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015361.D

Acq: 26 Mar 2020 16:53

Instrument :

MSVOA_X

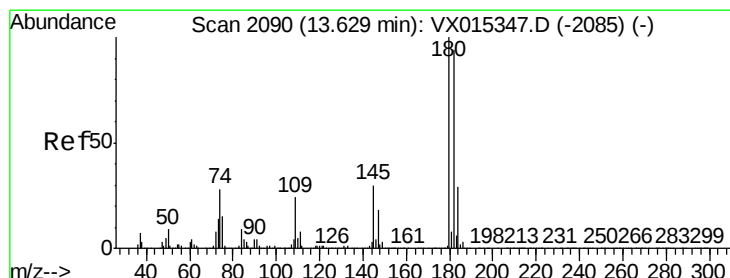
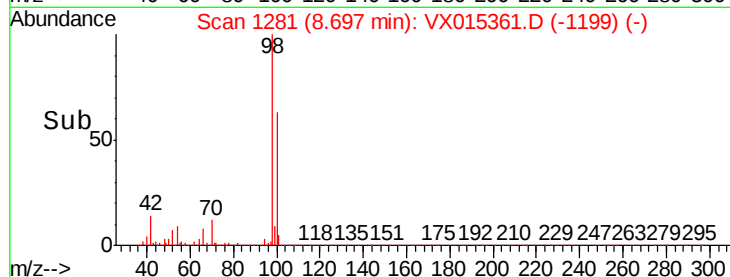
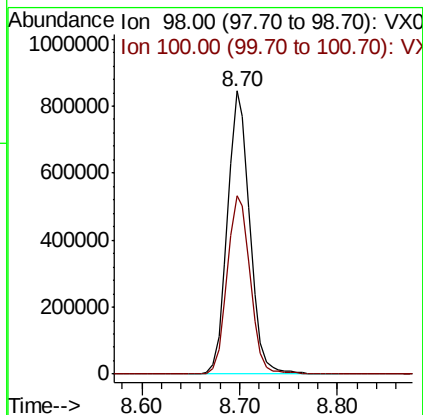
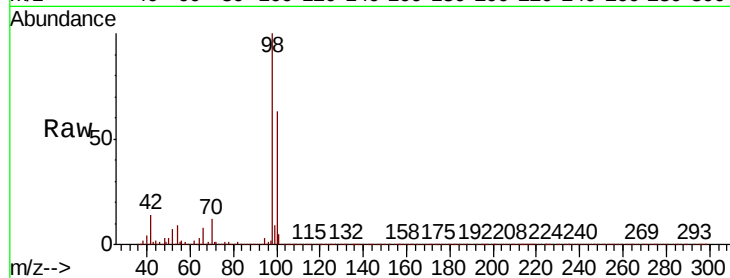
ClientSampleId :

Tot Ion: 98 Resp: 1335176

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#89

1,2,4-Trichlorobenzene

Concen: 0.257 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. 0.00 min

Lab File: VX015361.D

Acq: 26 Mar 2020 16:53

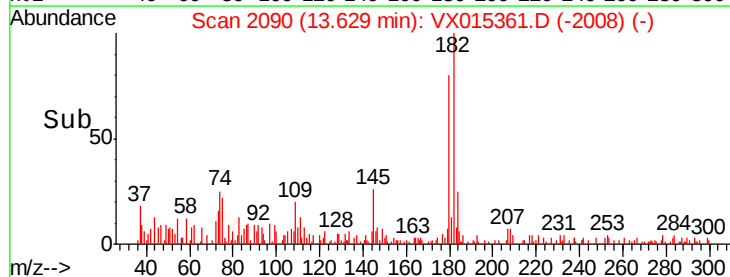
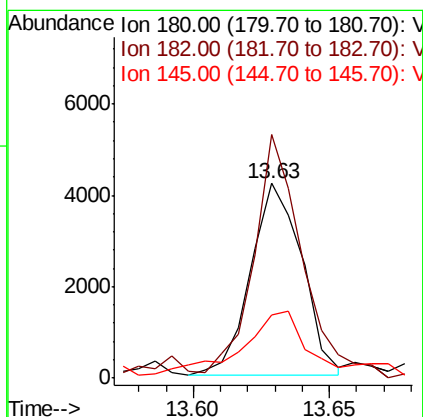
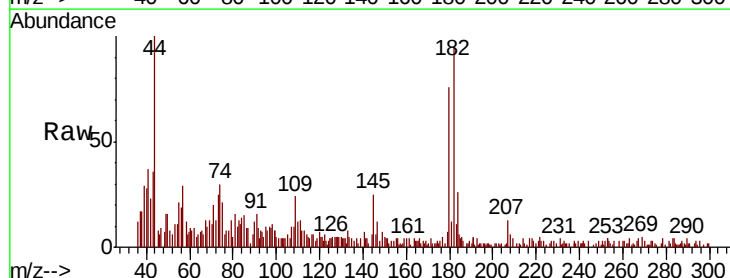
Tgt Ion:180 Resp: 5512

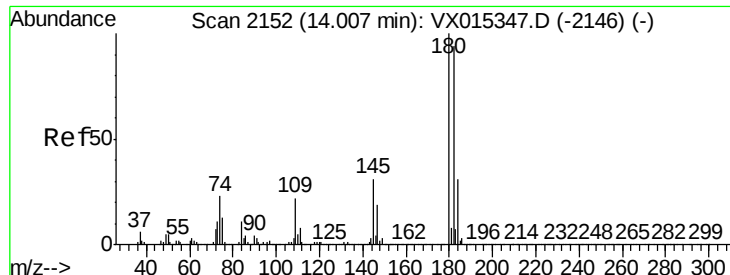
Ion Ratio Lower Upper

180 100

182 120.6 76.9 115.3#

145 41.3 24.3 36.5#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.38 min
 Lab File: VX015361.D
 Acq: 26 Mar 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	119.0	0.0	191.0
145	44.4	0.0	62.2

