

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022820\
 Data File : VX015056.D
 Acq On : 28 Feb 2020 12:11
 Operator : JC/SP
 Sample : L1691-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 28 23:26:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	67857	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	360768	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	328583	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	139930	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	11.13	95	147074	28.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.80%
63) Toluene-d8	8.71	98	426273	29.75	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.17%

Target Compounds

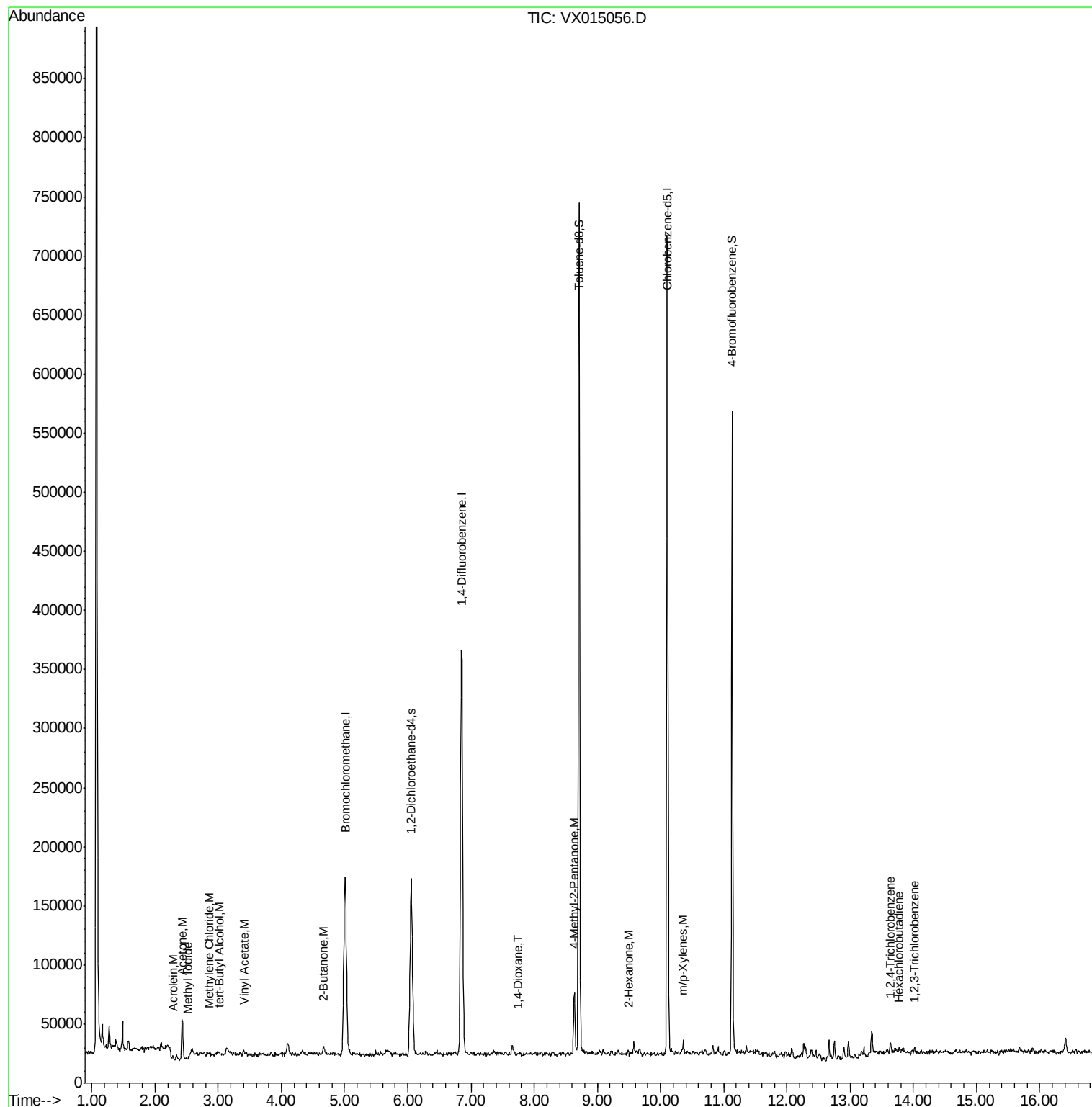
					Ovalue
11) Methyl Iodide	2.51	142	933	0.215 ug/l	# 59
13) Acrolein	2.28	56	1990	2.254 ug/l	94
15) Acetone	2.43	58	11838	16.501 ug/l	96
18) Methylene Chloride	2.86	84	1119	0.272 ug/l	# 57
23) tert-Butyl Alcohol	3.02	59	928	1.168 ug/l	# 63
30) 2-Butanone	4.67	43	9319	3.164 ug/l	99
42) Vinyl Acetate	3.41	43	2176	0.210 ug/l	100
45) 1,4-Dioxane	7.73	88	93	1.123 ug/l	# 82
58) 4-Methyl-2-Pentanone	8.64	43	32993	6.127 ug/l	96
59) 2-Hexanone	9.50	43	1205	0.286 ug/l	94
67) m/p-Xylenes	10.35	106	2500	0.350 ug/l	79
89) 1,2,4-Trichlorobenzene	13.64	180	1527	0.245 ug/l	# 88
90) Hexachlorobutadiene	13.78	225	775	0.251 ug/l	91
92) 1,2,3-Trichlorobenzene	14.01	180	1324	0.214 ug/l	96

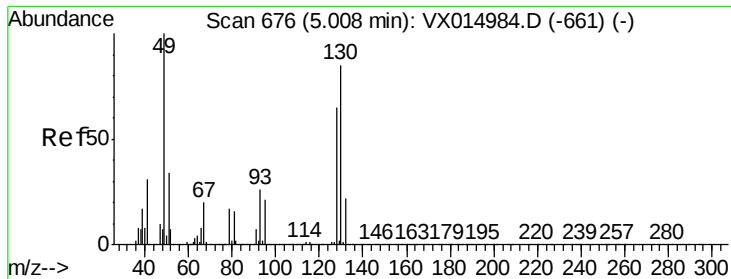
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022820\
Data File : VX015056.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Feb 28 23:26:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration



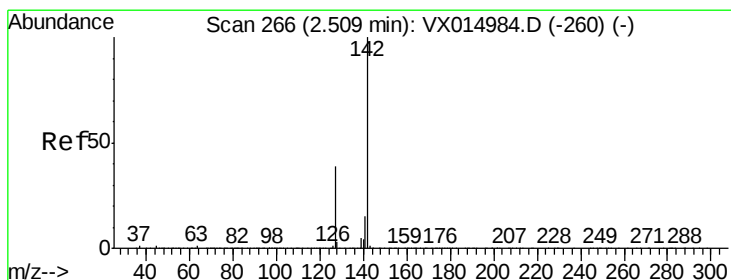
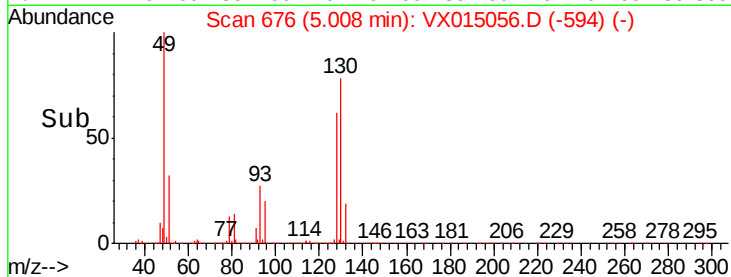
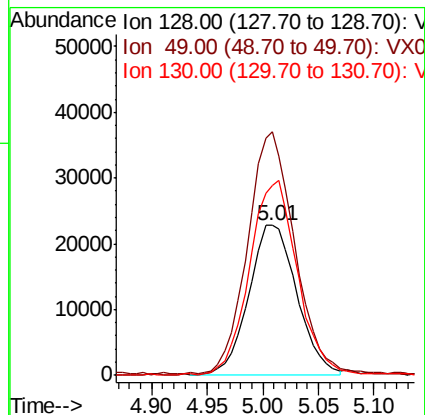
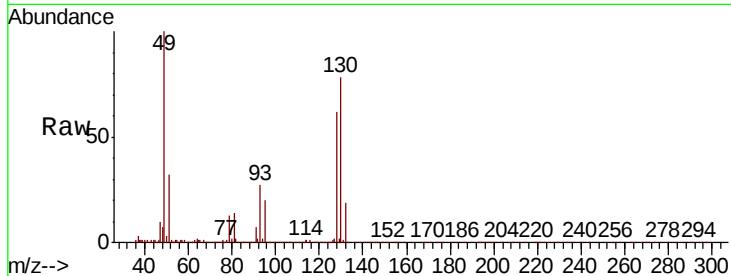


#1

Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VX015056.D
 Acq: 28 Feb 2020 12:11

Instrument :
 MSVOA_X
 ClientSampled :

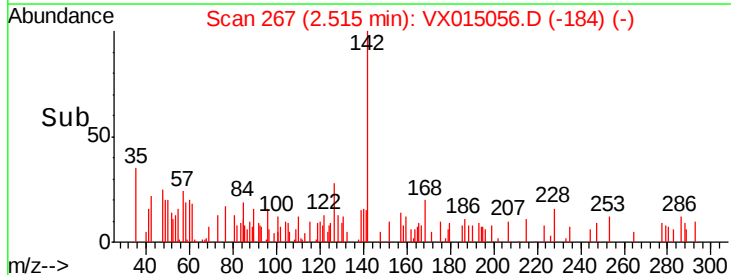
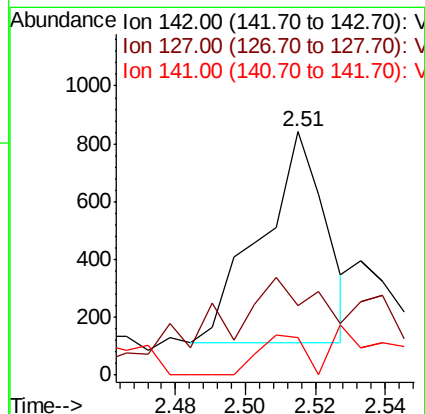
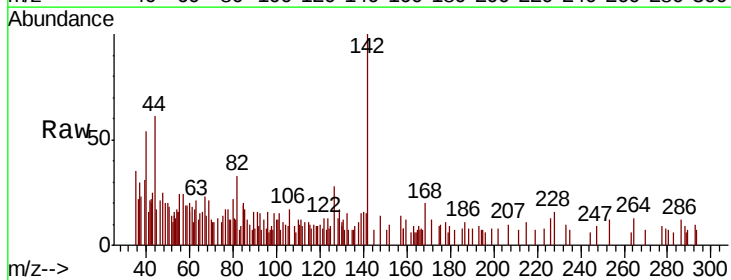
Tot Ion	Ratio	Lower	Upper
128	100		
49	159.2	0.0	384.7
130	131.6	0.0	330.8

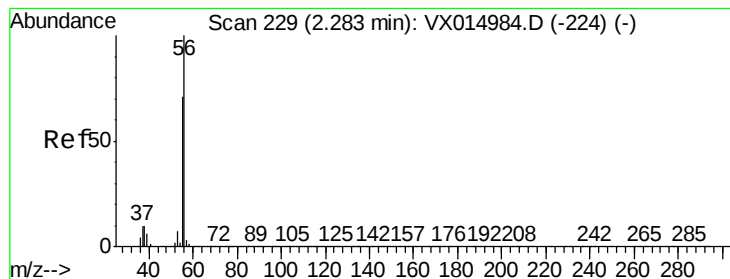


#11

Methyl Iodide
 Concen: 0.215 ug/l
 RT: 2.51 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VX015056.D
 Acq: 28 Feb 2020 12:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	9.2	19.7	59.0#
141	6.9	7.4	22.2#





#13

Acrolein

Concen: 2.254 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015056.D

Acq: 28 Feb 2020 12:11

Instrument :

MSVOA_X

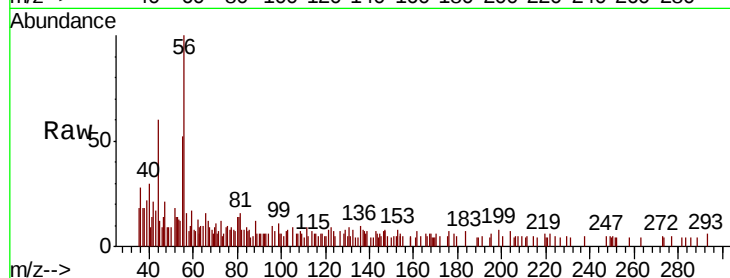
ClientSampleId :

Tot Ion: 56 Resp: 1990

Ion Ratio Lower Upper

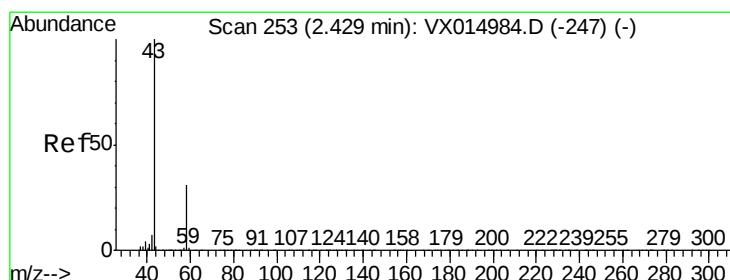
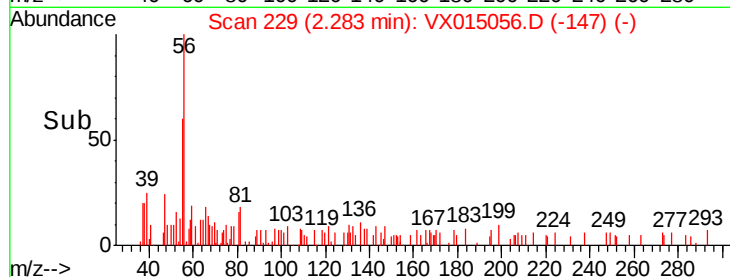
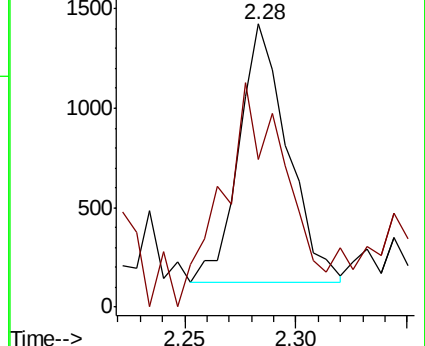
56 100

55 65.2 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acetone

Concen: 16.501 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015056.D

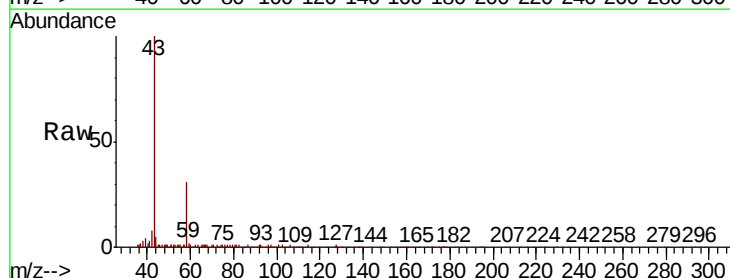
Acq: 28 Feb 2020 12:11

Tgt Ion: 58 Resp: 11838

Ion Ratio Lower Upper

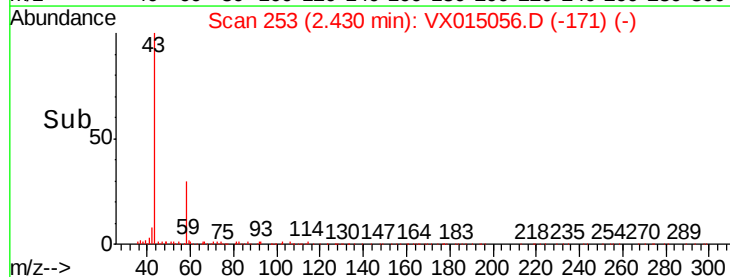
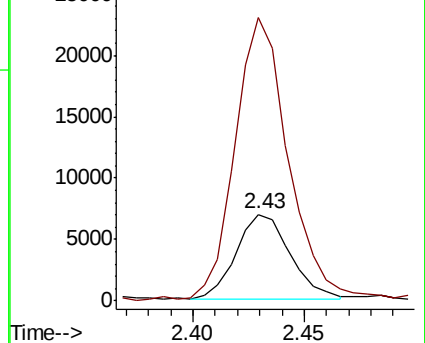
58 100

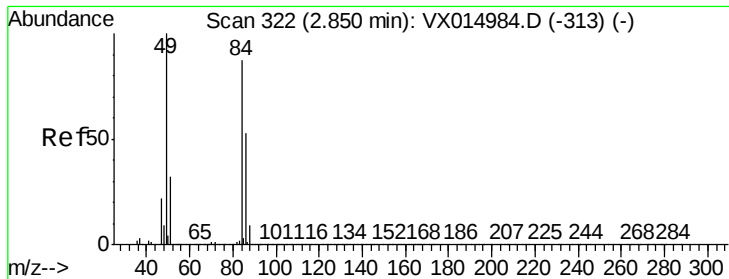
43 331.3 257.7 386.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

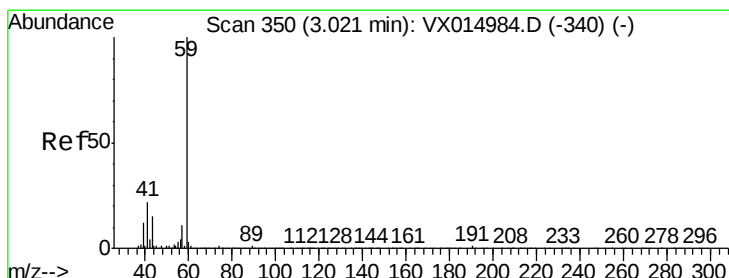
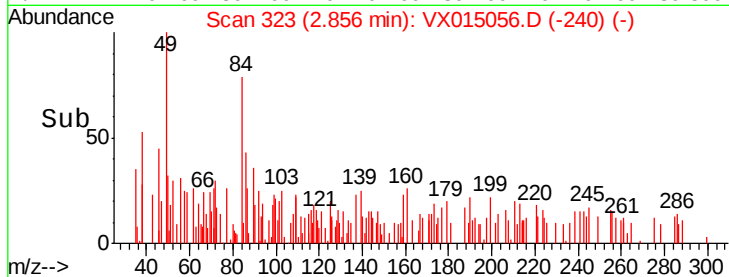
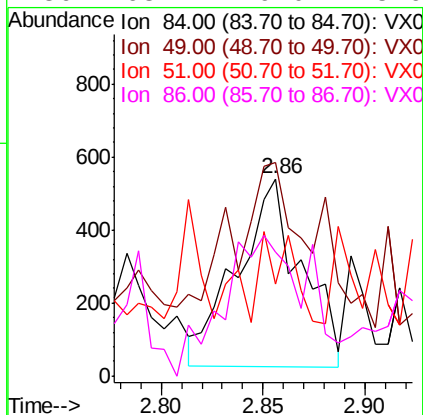
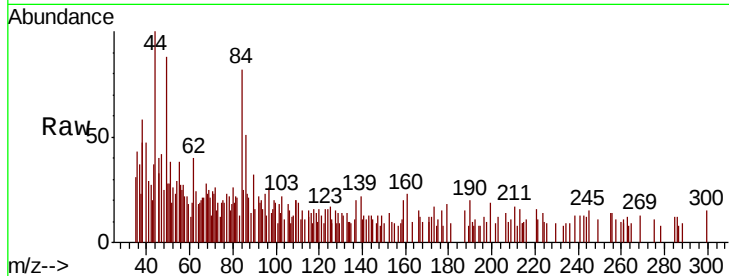




#18
Methvlene Chloride
Concen: 0.272 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

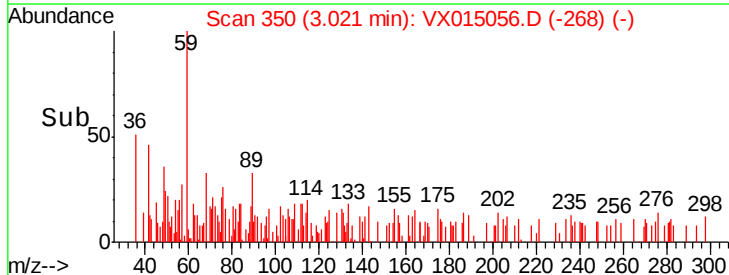
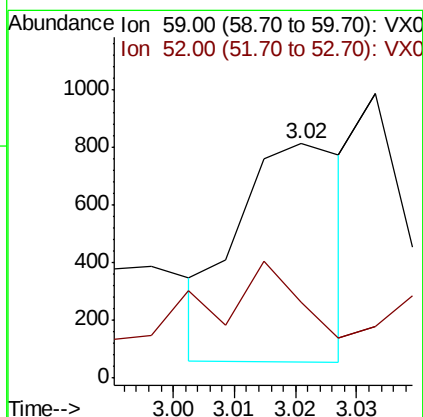
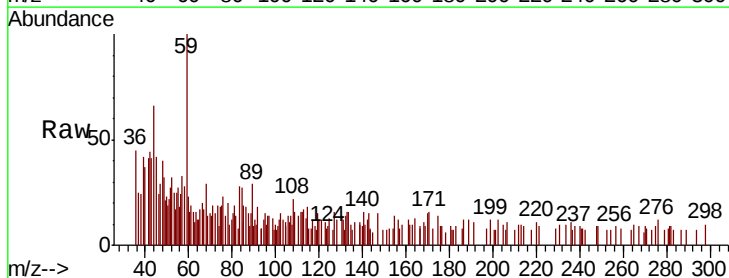
Instrument :
MSVOA_X
ClientSampleId :

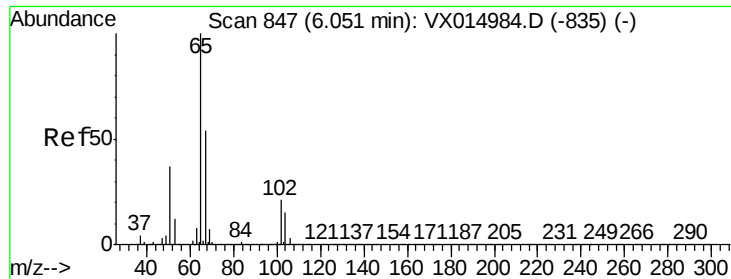
Tot Ion:	84	Resp:	1119
Ion	Ratio	Lower	Upper
84	100		
49	51.6	92.2	138.2#
51	0.0	29.7	44.5#
86	63.1	49.0	73.6



#23
tert-Butyl Alcohol
Concen: 1.168 ug/l
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

Tgt Ion:	59	Resp:	928
Ion	Ratio	Lower	Upper
59	100		
52	24.7	0.4	0.6#

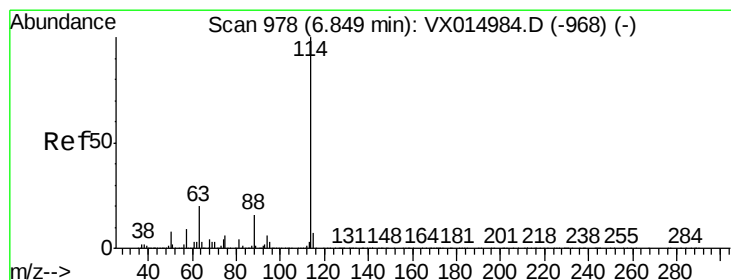
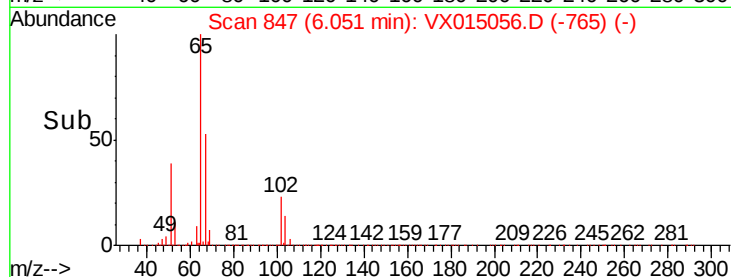
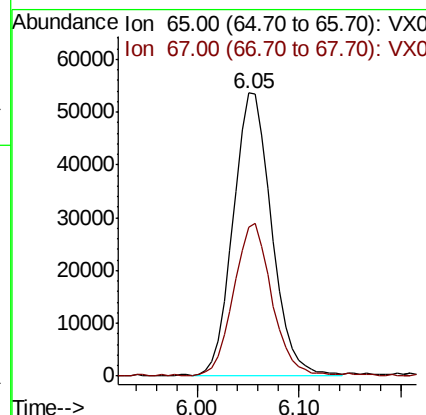
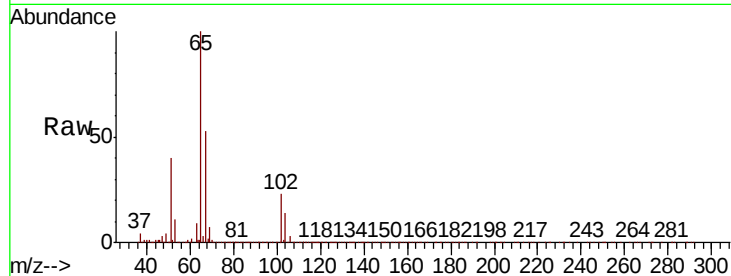




#27
 1,2-Dichloroethane-d4
 Concen: 29.656 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015056.D
 Acq: 28 Feb 2020 12:11

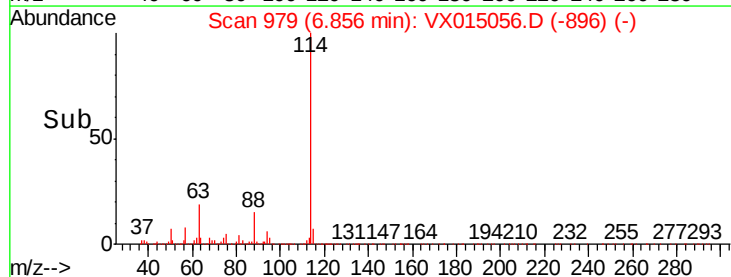
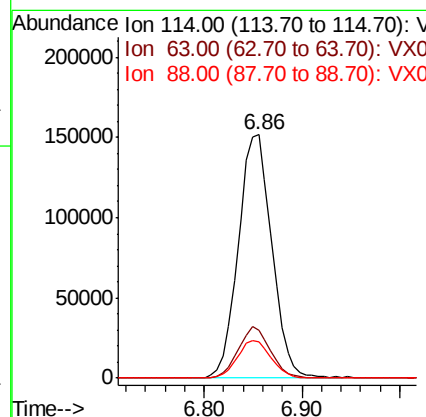
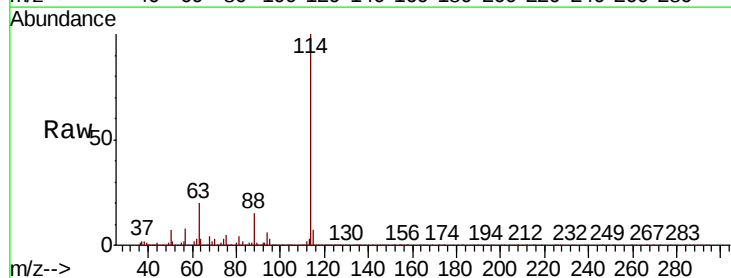
Instrument :
 MSVOA_X
 ClientSampleId :

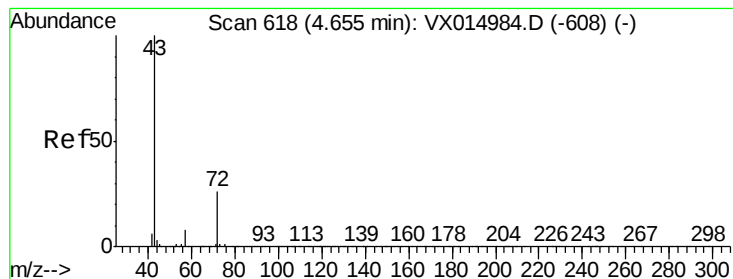
Tot Ion: 65 Resp: 139930
 Ion Ratio Lower Upper
 65 100
 67 53.6 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX015056.D
 Acq: 28 Feb 2020 12:11

Tgt Ion: 114 Resp: 360768
 Ion Ratio Lower Upper
 114 100
 63 19.9 15.6 23.4
 88 15.8 12.2 18.2





#30

2-Butanone

Concen: 3.164 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX015056.D

Acq: 28 Feb 2020 12:11

Instrument :

MSVOA_X

ClientSampleId :

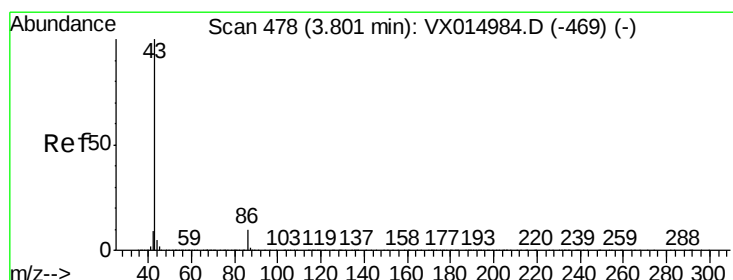
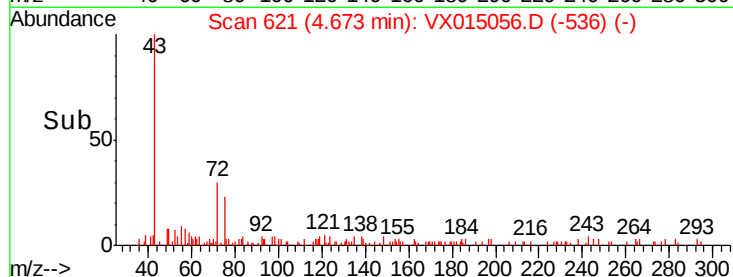
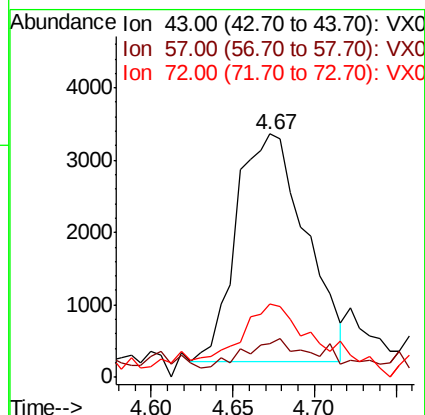
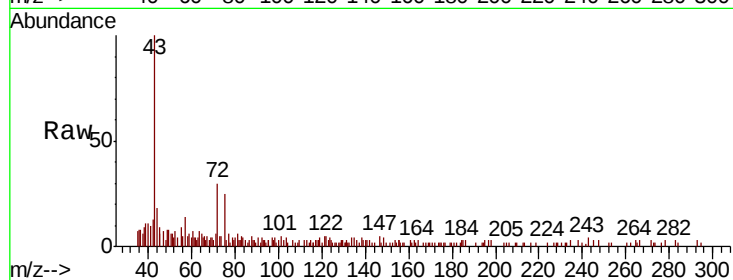
Tot Ion: 43 Resp: 9319

Ion Ratio Lower Upper

43 100

57 7.9 6.5 9.7

72 25.7 20.3 30.5



#42

Vinyl Acetate

Concen: 0.210 ug/l

RT: 3.41 min Scan# 414

Delta R.T. -0.39 min

Lab File: VX015056.D

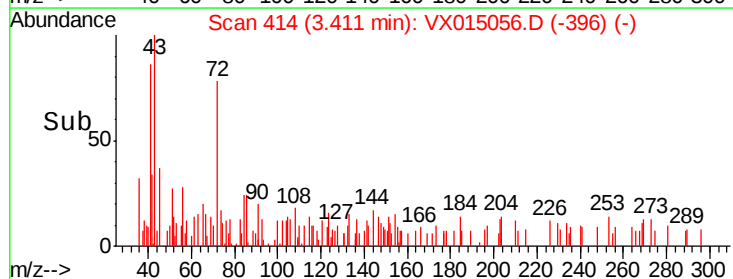
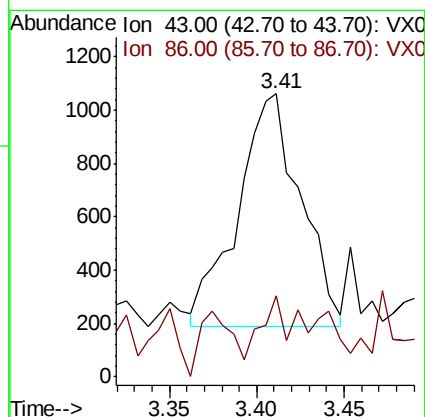
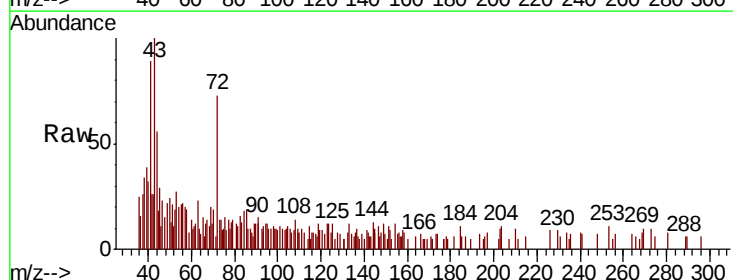
Acq: 28 Feb 2020 12:11

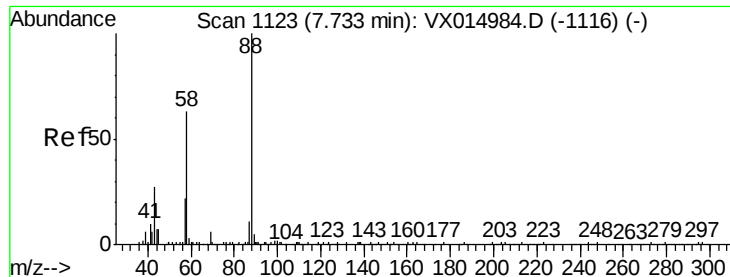
Tgt Ion: 43 Resp: 2176

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4





#45

1,4-Dioxane

Concen: 1.123 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

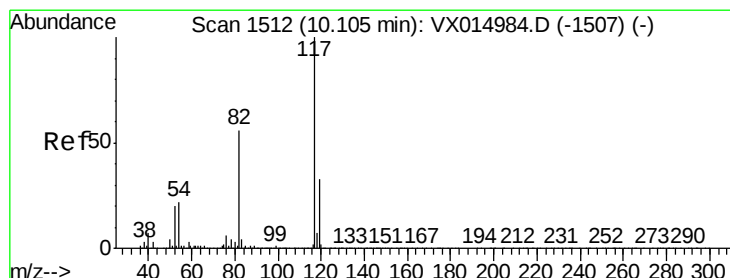
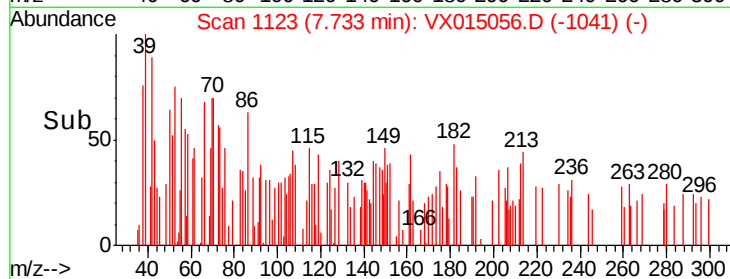
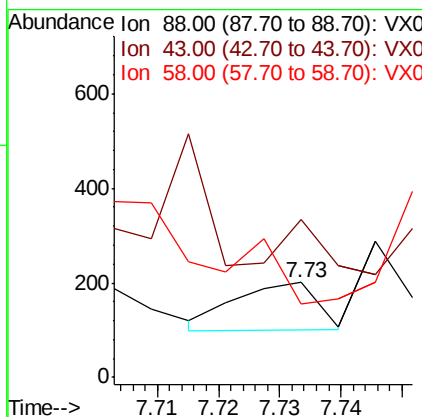
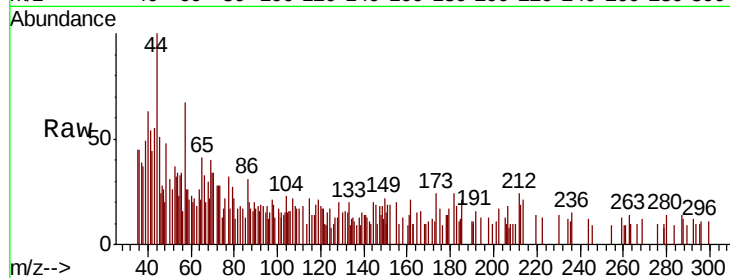
Lab File: VX015056.D

Acq: 28 Feb 2020 12:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 93

Ion	Ratio	Lower	Upper
88	100		
43	62.4	25.4	38.2#
58	68.8	55.8	83.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

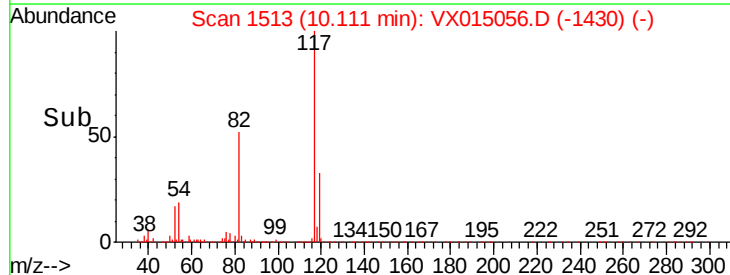
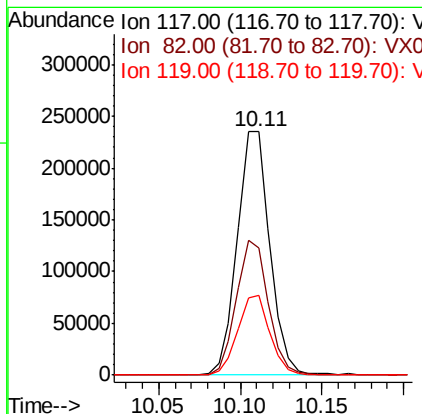
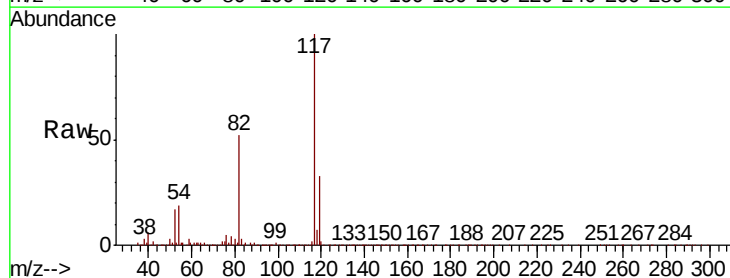
Delta R.T. 0.01 min

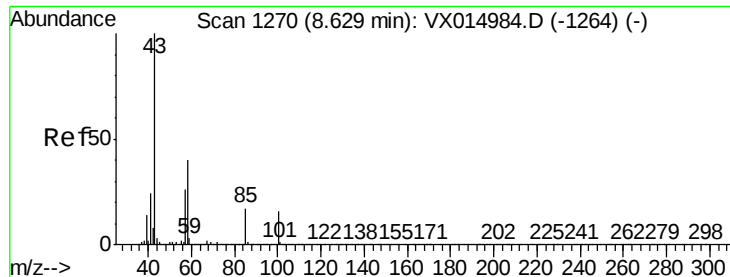
Lab File: VX015056.D

Acq: 28 Feb 2020 12:11

Tgt Ion: 117 Resp: 328583

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.2
119	32.4	26.0	39.0

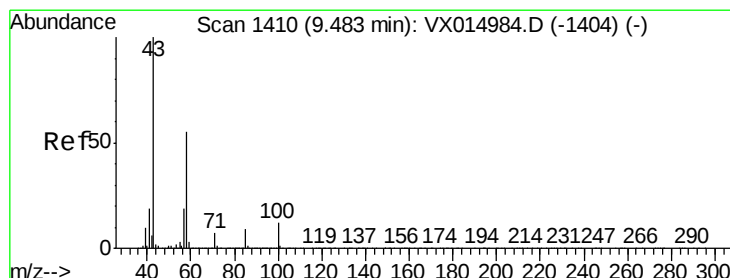
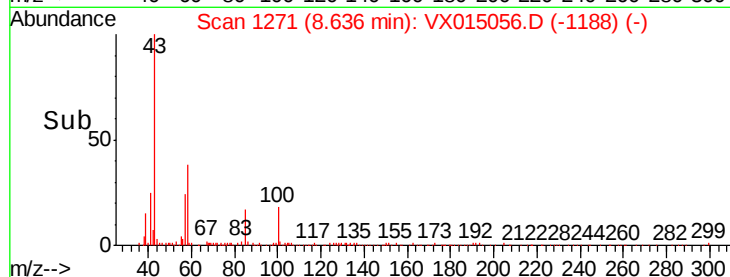
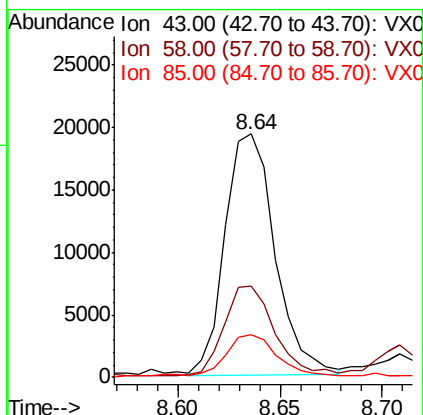
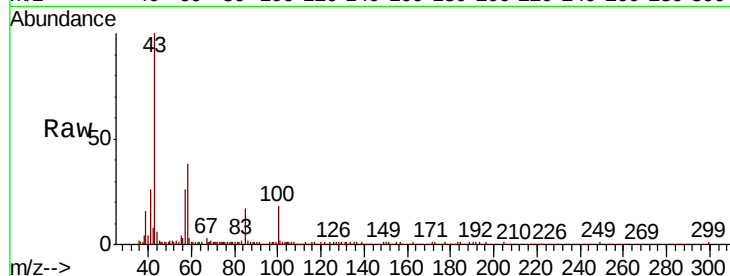




#58
4-Methyl-2-Pentanone
Concen: 6.127 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

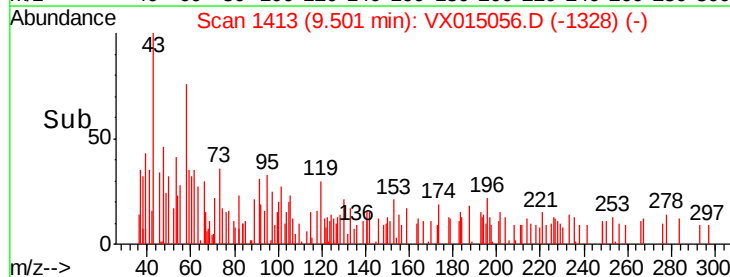
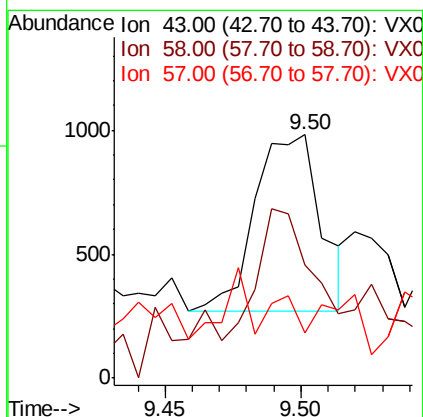
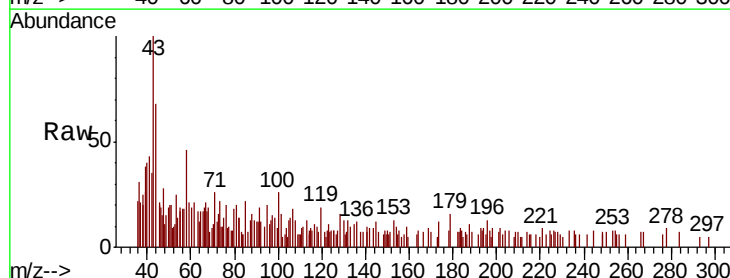
Instrument :
MSVOA_X
ClientSampled :

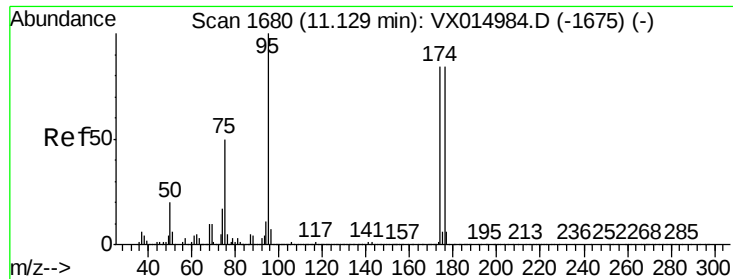
Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	31.7	47.5
85	16.4	14.4	21.6



#59
2-Hexanone
Concen: 0.286 ug/l
RT: 9.50 min Scan# 1413
Delta R.T. 0.02 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.1	44.1	66.1
57	15.9	15.3	22.9

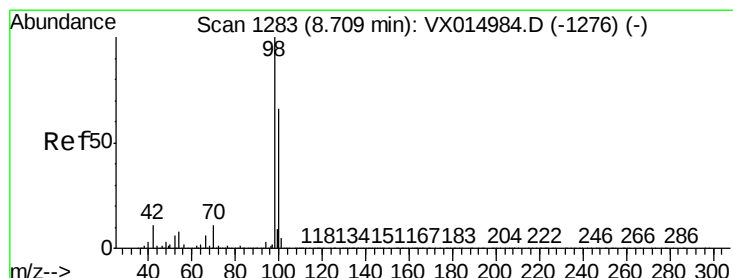
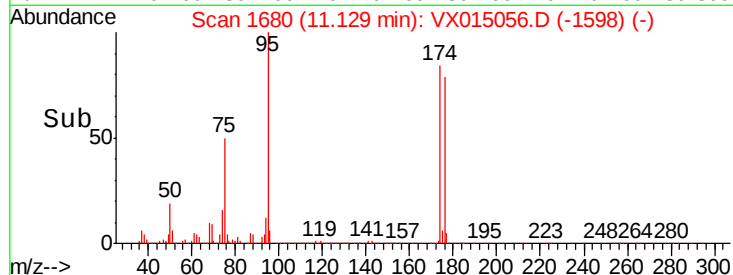
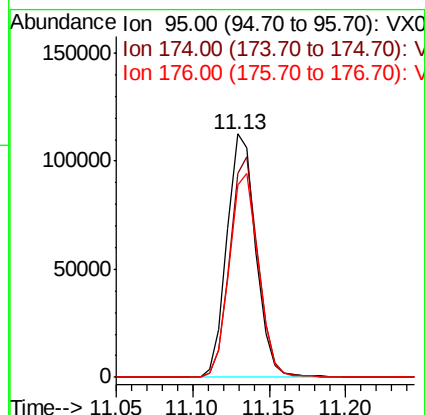
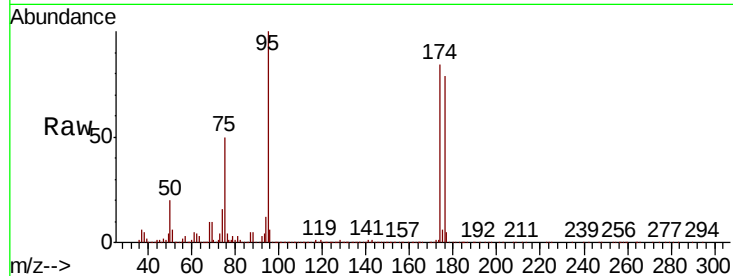




#60
4-Bromofluorobenzene
Concen: 28.738 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

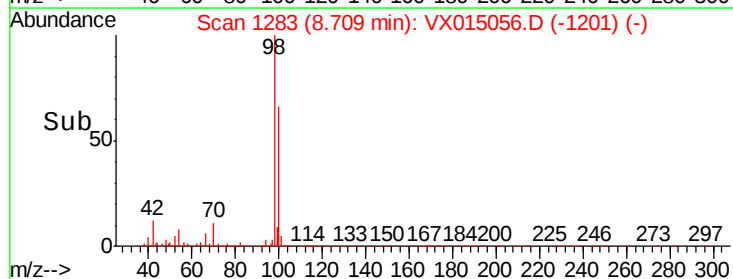
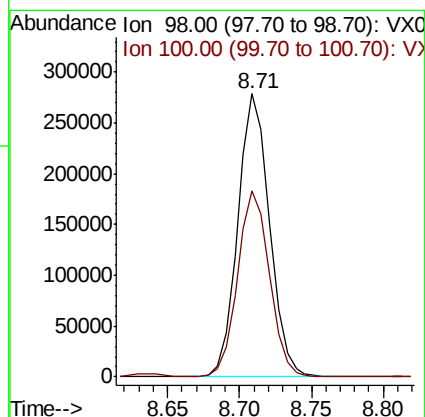
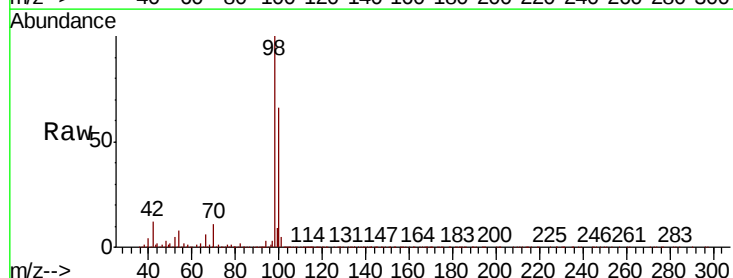
Instrument :
MSVOA_X
ClientSampleId :

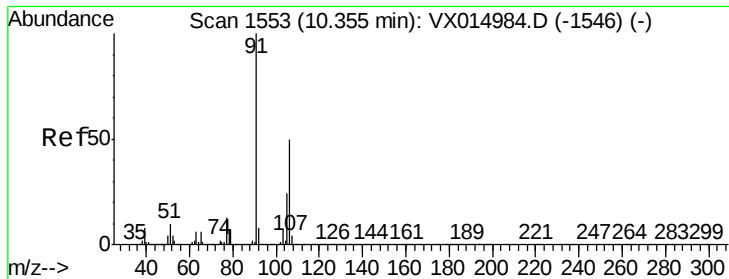
Tot Ion: 95 Resp: 147074
Ion Ratio Lower Upper
95 100
174 88.7 72.3 108.5
176 84.7 72.0 108.0



#63
Toluene-d8
Concen: 29.749 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

Tgt Ion: 98 Resp: 426273
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2





#67

m/p-Xvlenes

Concen: 0.350 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX015056.D

Acq: 28 Feb 2020 12:11

Instrument :

MSVOA_X

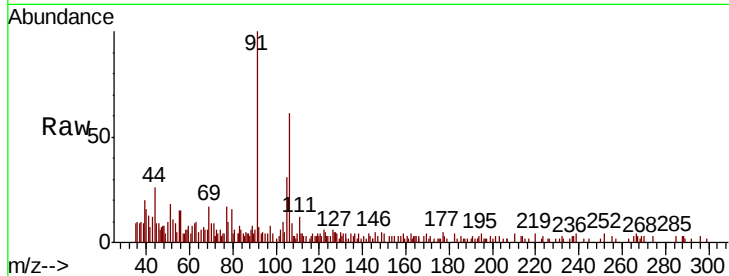
ClientSampleId :

Tot Ion:106 Resp: 2500

Ion Ratio Lower Upper

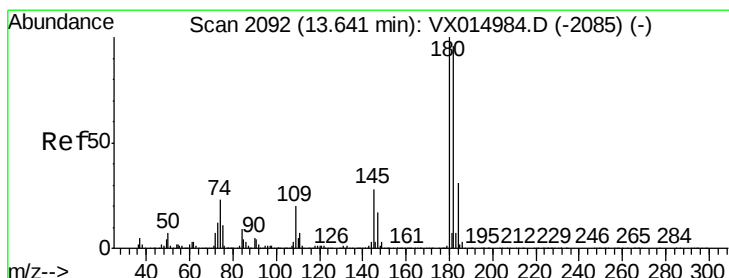
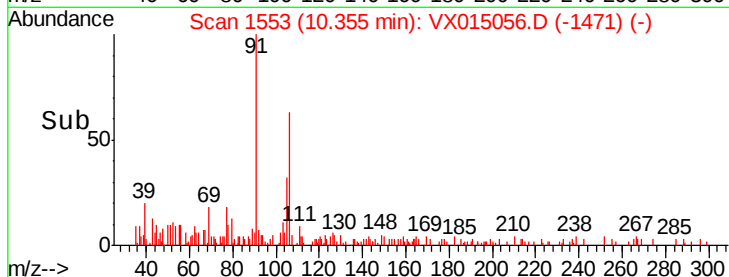
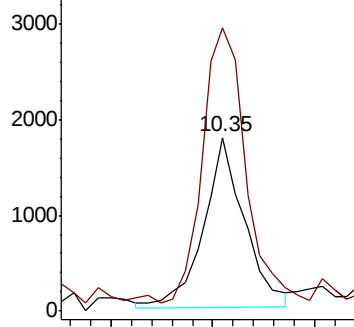
106 100

91 168.6 160.4 240.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#89

1,2,4-Trichlorobenzene

Concen: 0.245 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX015056.D

Acq: 28 Feb 2020 12:11

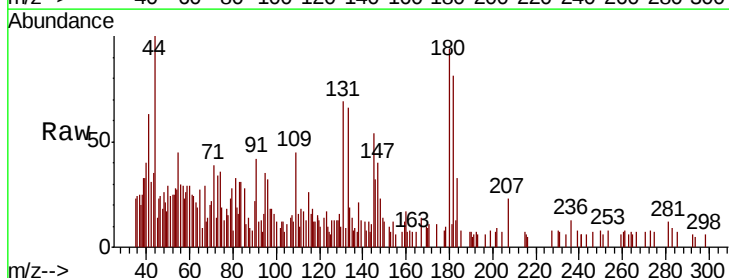
Tgt Ion:180 Resp: 1527

Ion Ratio Lower Upper

180 100

182 100.2 76.4 114.6

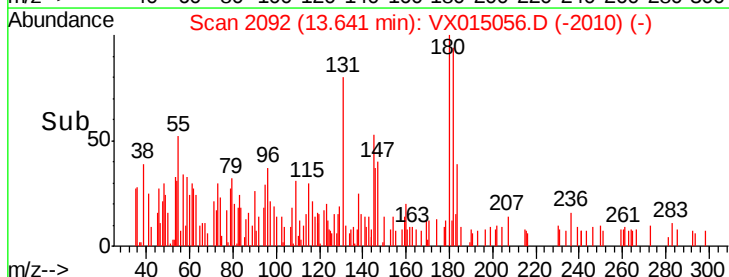
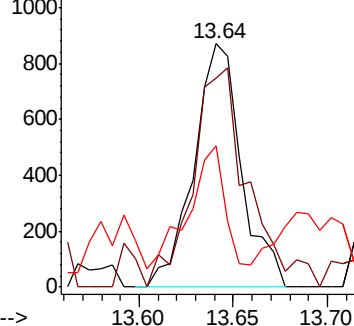
145 46.2 21.8 32.6#

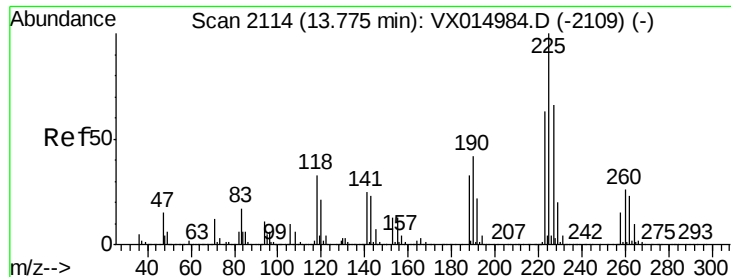


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

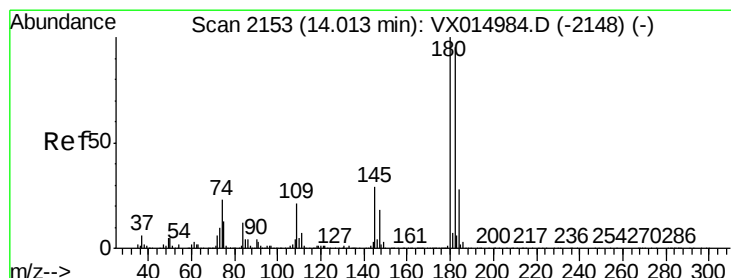
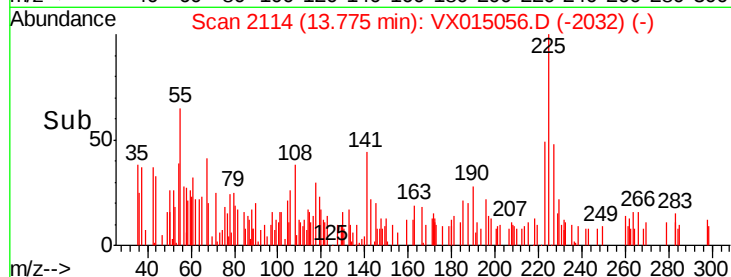
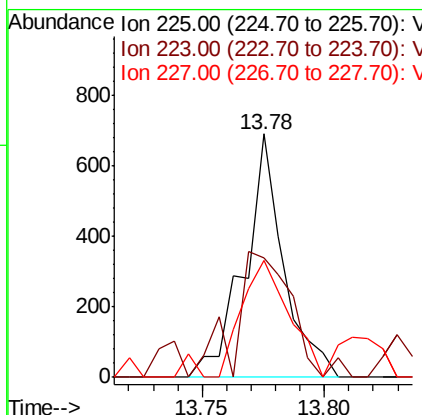
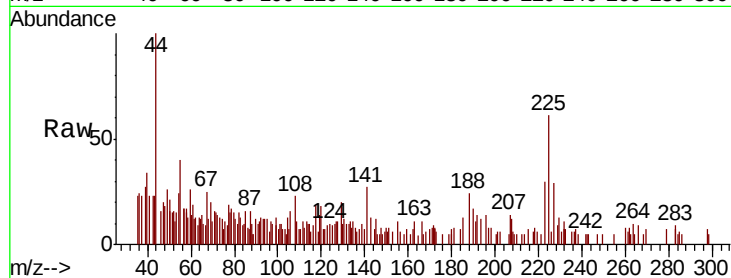




#90
Hexachlorobutadiene
Concen: 0.251 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:225 Resp: 775
Ion Ratio Lower Upper
225 100
223 60.0 0.0 132.0
227 57.8 0.0 131.0



#92
1,2,3-Trichlorobenzene
Concen: 0.214 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015056.D
Acq: 28 Feb 2020 12:11

Tgt Ion:180 Resp: 1324
Ion Ratio Lower Upper
180 100
182 95.8 0.0 192.4
145 21.8 0.0 60.4

