

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030620\
 Data File : VX015125.D
 Acq On : 06 Mar 2020 14:32
 Operator : JC/SP
 Sample : L1802-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 06 23:14:54 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	61623	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	310791	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	281756	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	130358	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.13	95	122061	27.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.70%
63) Toluene-d8	8.71	98	369946	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

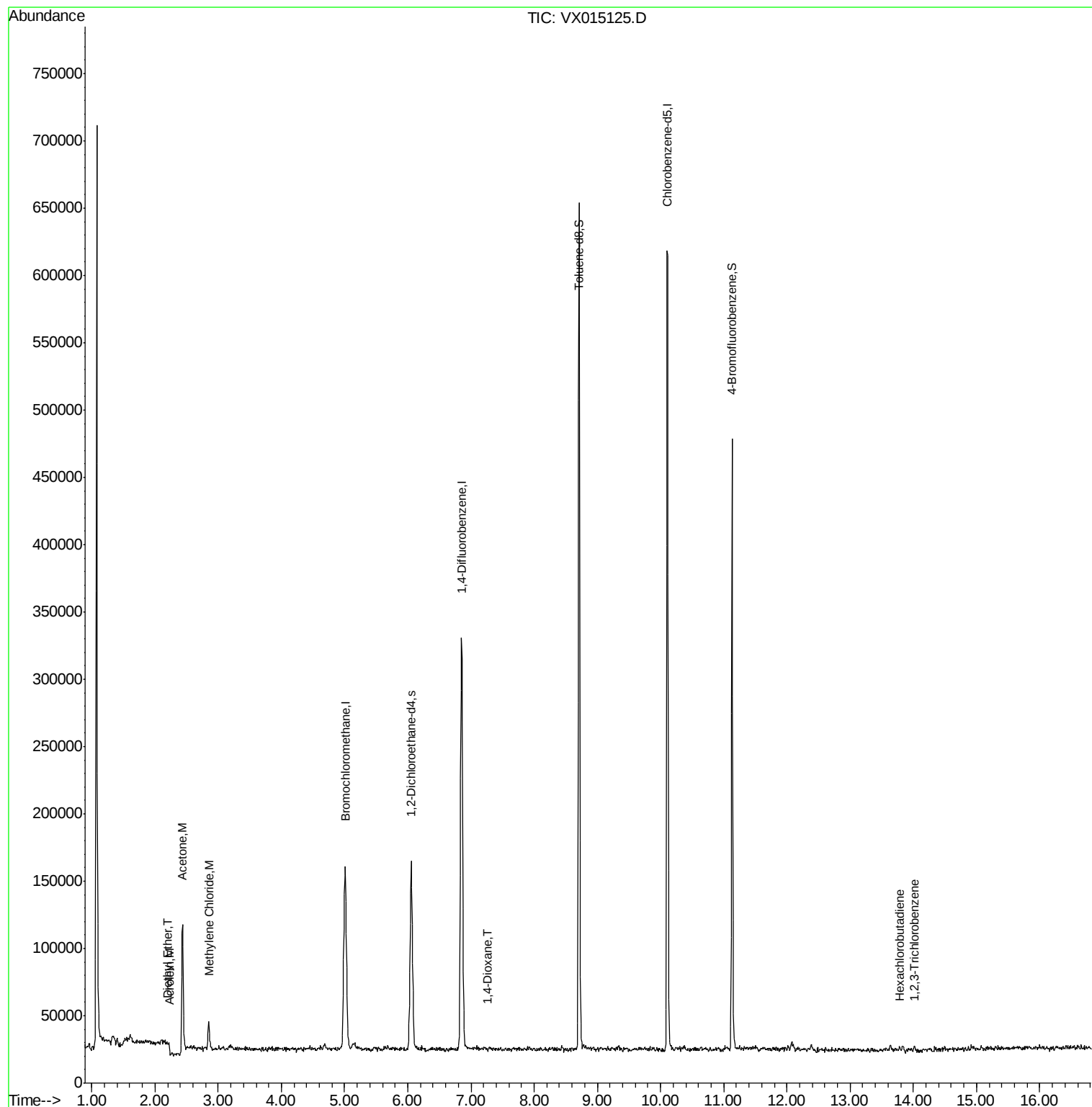
					Ovalue
8) Diethyl Ether	2.20	74	494	0.211 ug/l	27
13) Acrolein	2.23	56	296	0.369 ug/l	85
15) Acetone	2.44	58	31161	47.829 ug/l	99
18) Methylene Chloride	2.85	84	9908	2.655 ug/l	89
45) 1,4-Dioxane	7.26	88	127	1.781 ug/l	98
90) Hexachlorobutadiene	13.78	225	639	0.241 ug/l	93
92) 1,2,3-Trichlorobenzene	14.01	180	1094	0.206 ug/l	81

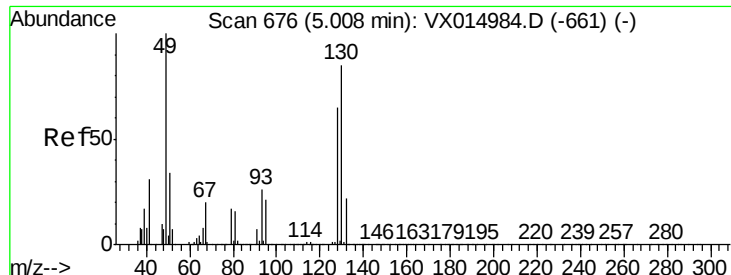
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

Quant Time: Mar 06 23:14:54 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: VX015125.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

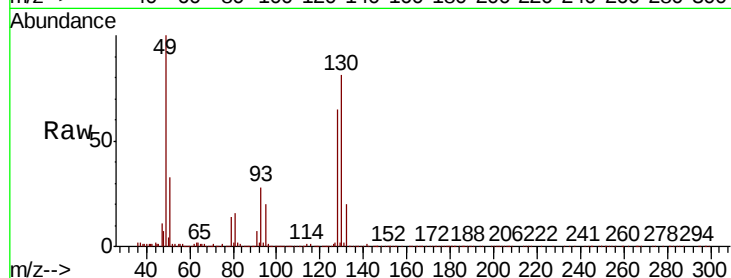
Tot Ion:128 Resp: 61623

Ion Ratio Lower Upper

128 100

49 157.7 0.0 384.7

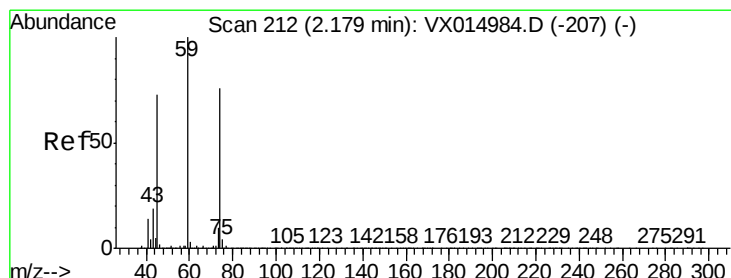
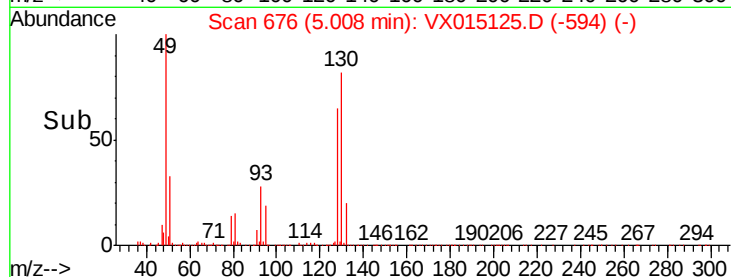
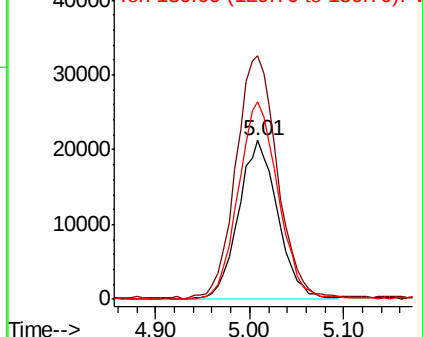
130 125.3 0.0 330.8



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



#8

Diethyl Ether

Concen: 0.211 ug/l

RT: 2.20 min Scan# 215

Delta R.T. 0.02 min

Lab File: VX015125.D

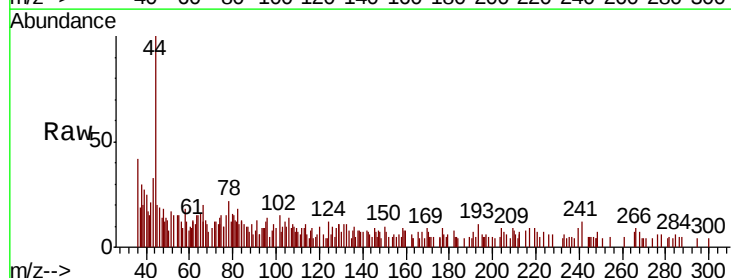
Acq: 06 Mar 2020 14:32

Tgt Ion: 74 Resp: 494

Ion Ratio Lower Upper

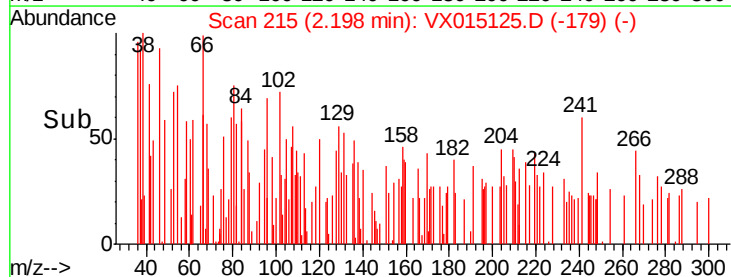
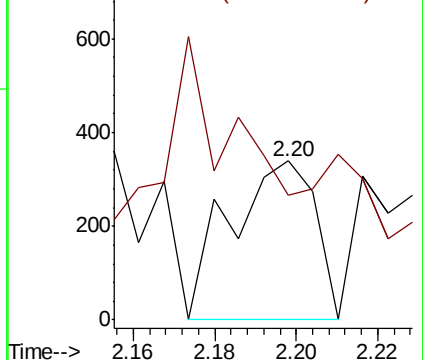
74 100

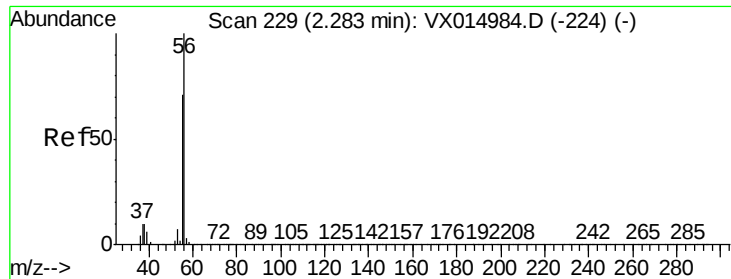
45 26.1 19.6 176.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

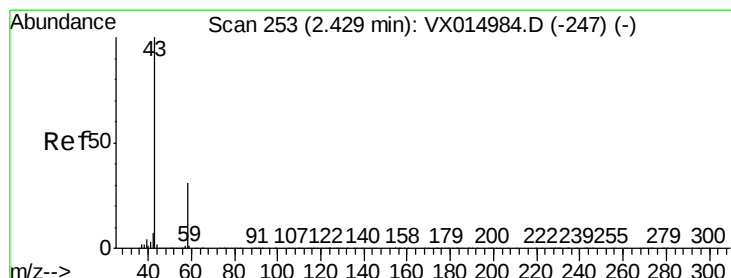
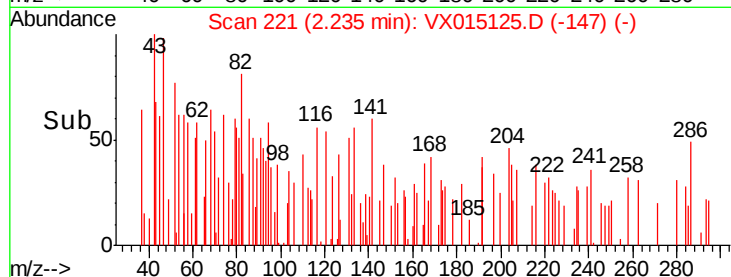
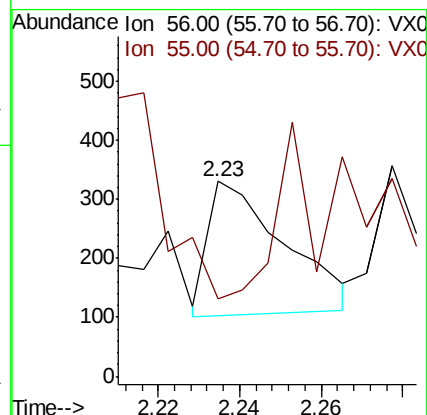
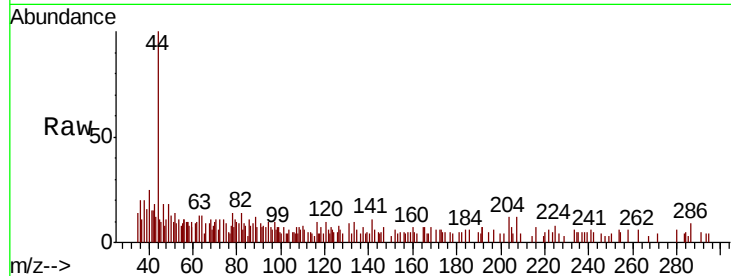




#13
Acrolein
Concen: 0.369 ug/l
RT: 2.23 min Scan# 221
Delta R.T. -0.05 min
Lab File: VX015125.D
Acq: 06 Mar 2020 14:32

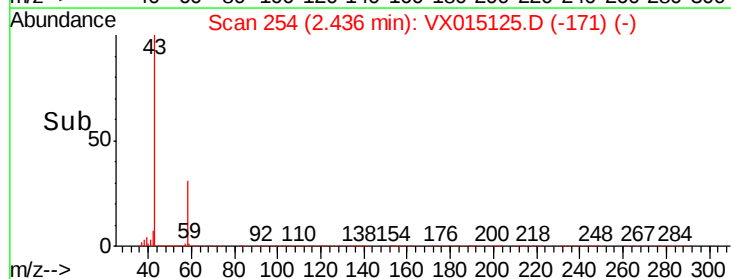
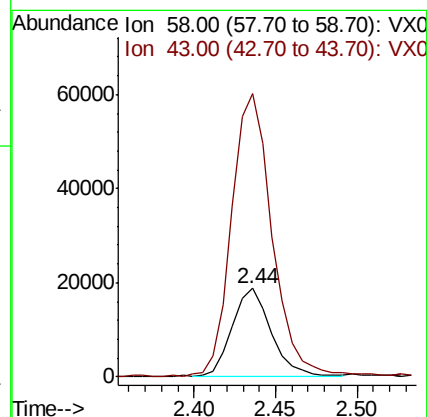
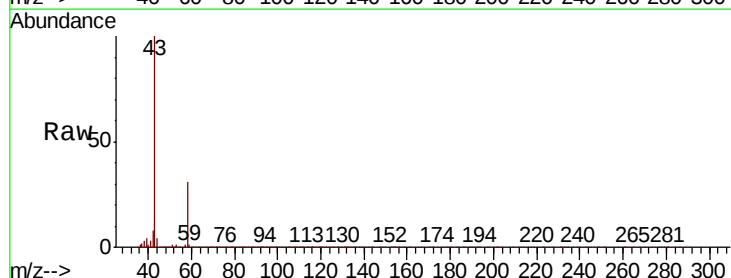
Instrument :
MSVOA_X
ClientSampled :

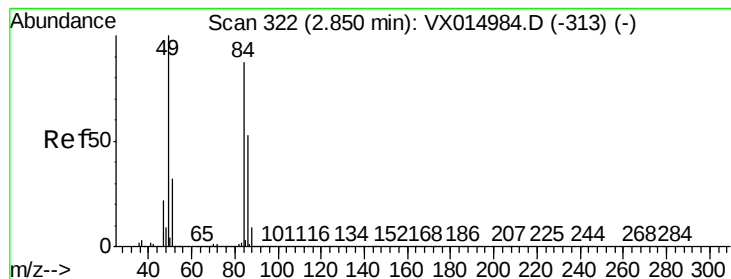
Tot Ion: 56 Resp: 296
Ion Ratio Lower Upper
56 100
55 58.1 56.2 84.2



#15
Acetone
Concen: 47.829 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX015125.D
Acq: 06 Mar 2020 14:32

Tgt Ion: 58 Resp: 31161
Ion Ratio Lower Upper
58 100
43 320.2 257.7 386.5





#18

Methylene Chloride

Concen: 2.655 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX015125.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 9908

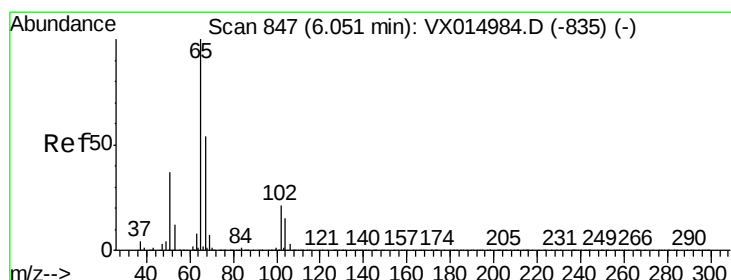
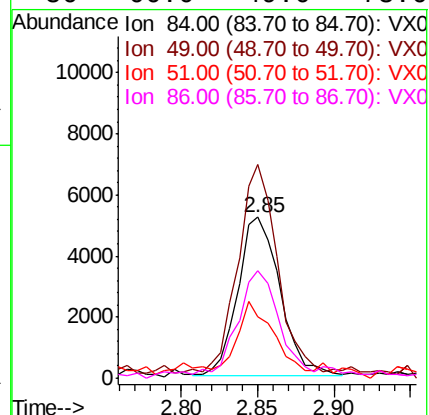
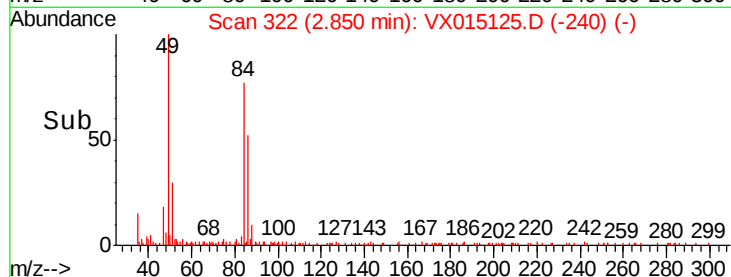
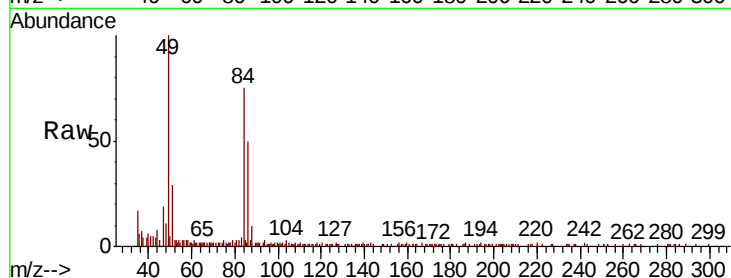
Ion	Ratio	Lower	Upper
84	100		
49	130.8	92.2	138.2
51	32.8	29.7	44.5
86	66.0	49.0	73.6

84 100

49 130.8 92.2 138.2

51 32.8 29.7 44.5

86 66.0 49.0 73.6



#27

1,2-Dichloroethane-d4

Concen: 30.422 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015125.D

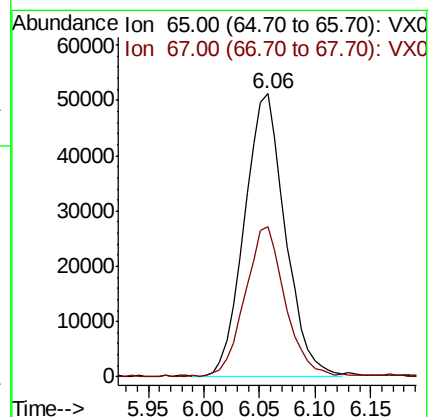
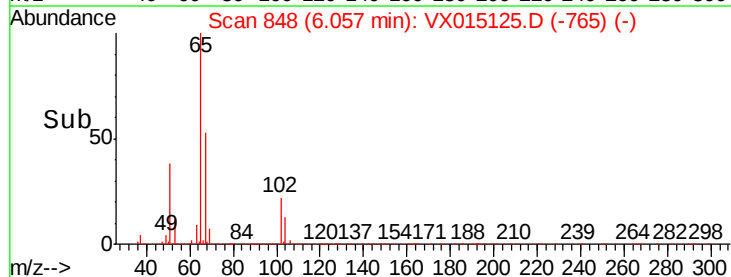
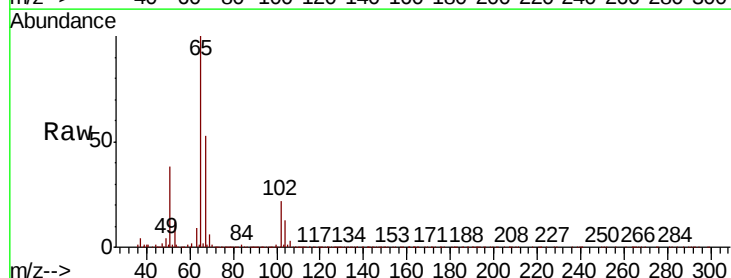
Acq: 06 Mar 2020 14:32

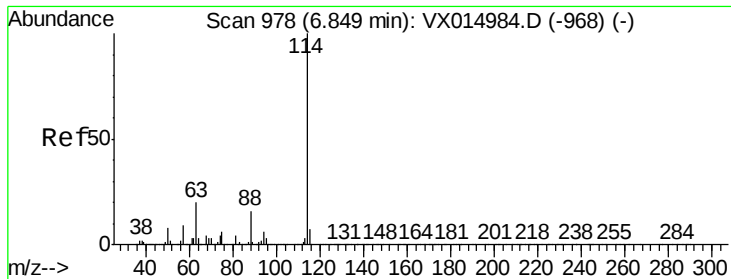
Tgt Ion: 65 Resp: 130358

Ion	Ratio	Lower	Upper
65	100		
67	51.7	41.9	62.9

65 100

67 51.7 41.9 62.9

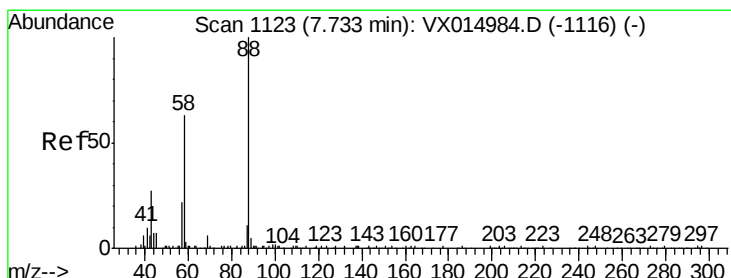
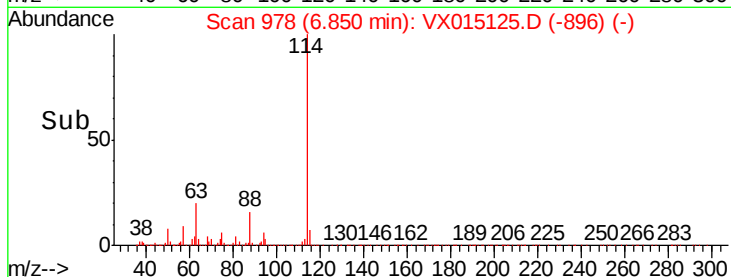
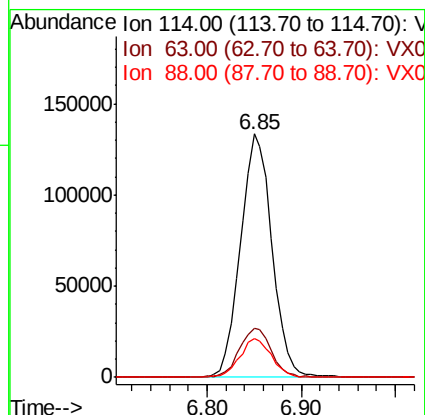
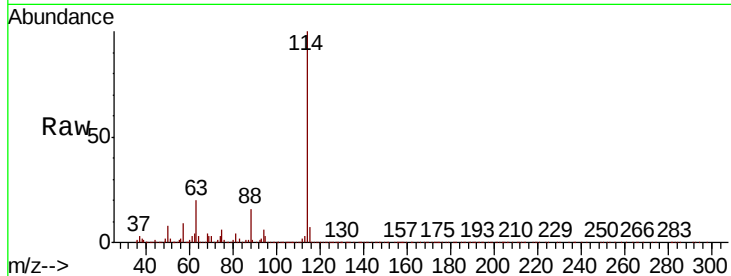




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015125.D
 Acq: 06 Mar 2020 14:32

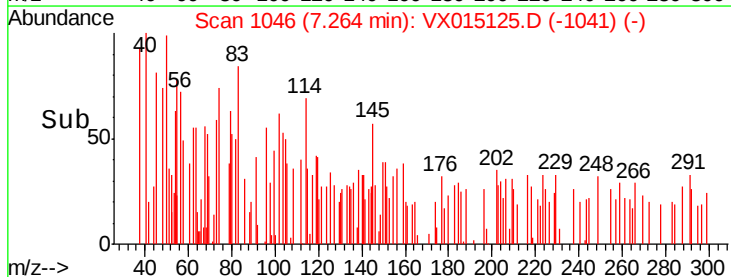
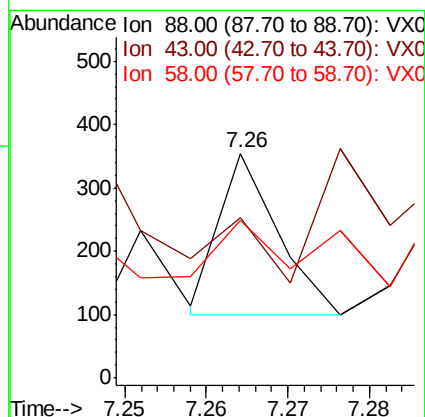
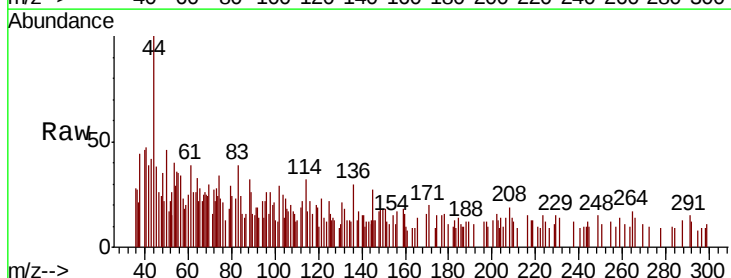
Instrument :
 MSVOA_X
 ClientSampleId :

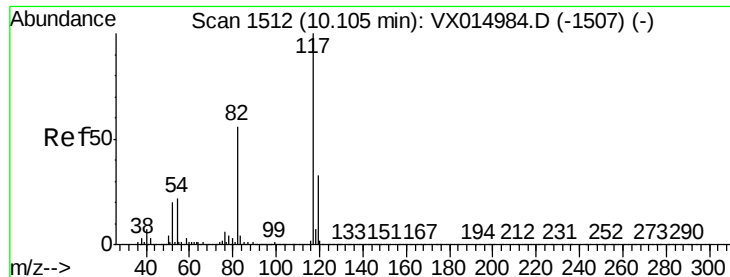
Tot Ion:114 Resp: 310791
 Ion Ratio Lower Upper
 114 100
 63 20.4 15.6 23.4
 88 16.0 12.2 18.2



#45
 1,4-Dioxane
 Concen: 1.781 ug/l
 RT: 7.26 min Scan# 1046
 Delta R.T. -0.47 min
 Lab File: VX015125.D
 Acq: 06 Mar 2020 14:32

Tgt Ion: 88 Resp: 127
 Ion Ratio Lower Upper
 88 100
 43 29.9 25.4 38.2
 58 68.5 55.8 83.8

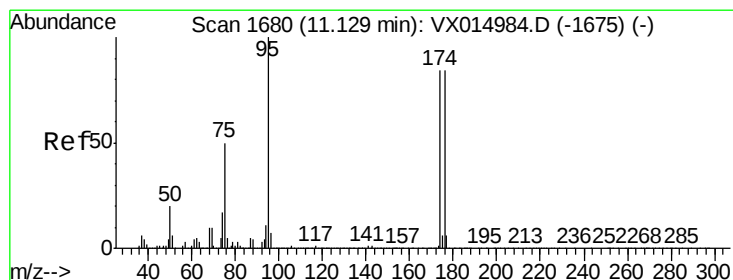
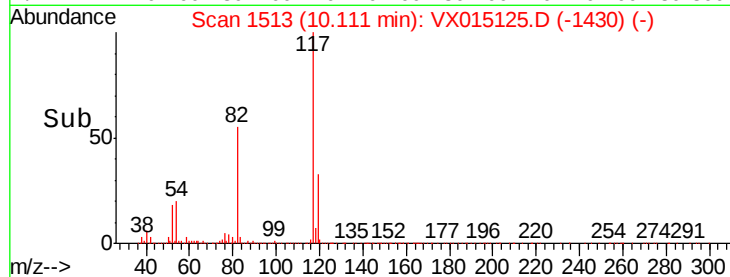
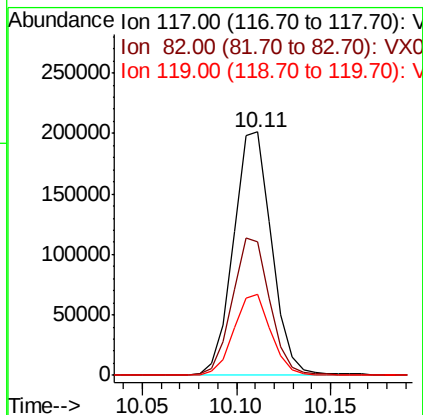
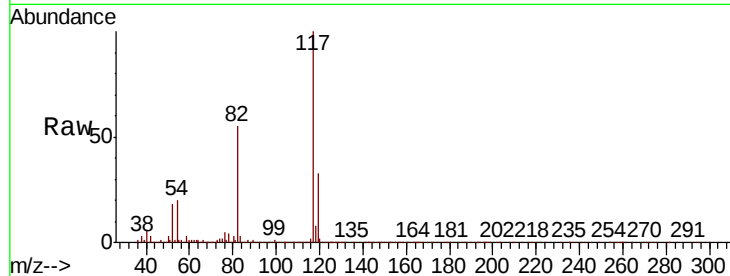




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VX015125.D
Acq: 06 Mar 2020 14:32

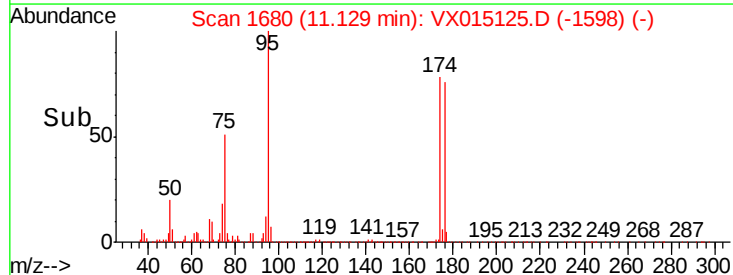
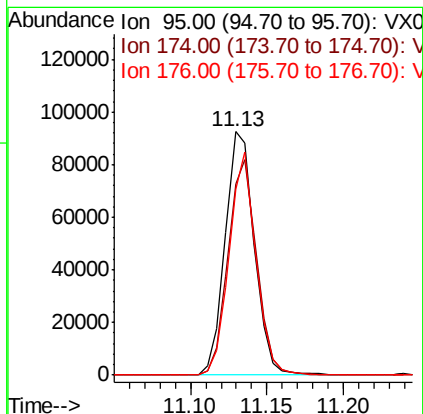
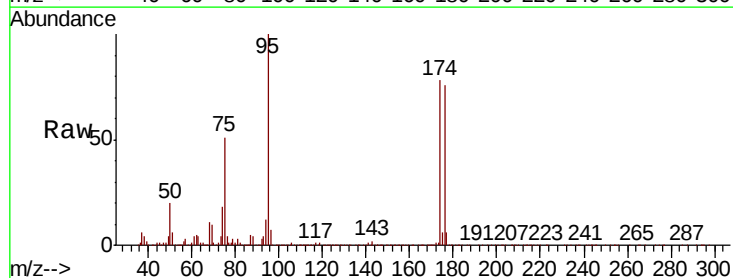
Instrument :
MSVOA_X
ClientSampled :

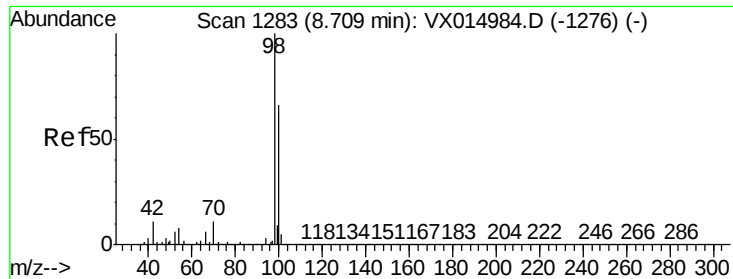
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.4	65.2
119	32.6	26.0	39.0



#60
4-Bromofluorobenzene
Concen: 27.815 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX015125.D
Acq: 06 Mar 2020 14:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.5	72.3	108.5
176	84.7	72.0	108.0





#63

Toluene-d8

Concen: 30.109 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015125.D

Acq: 06 Mar 2020 14:32

Instrument :

MSVOA_X

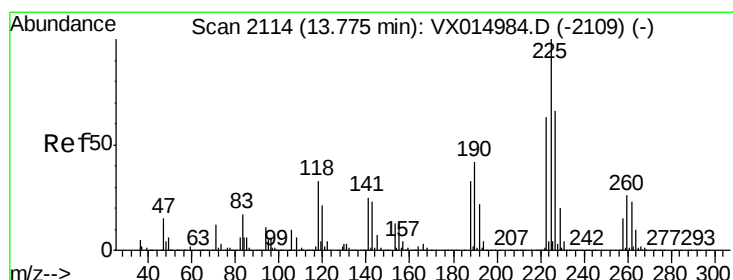
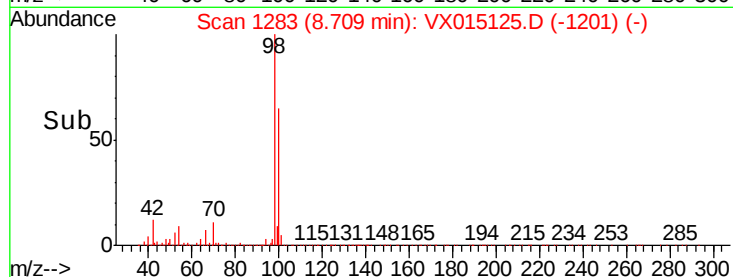
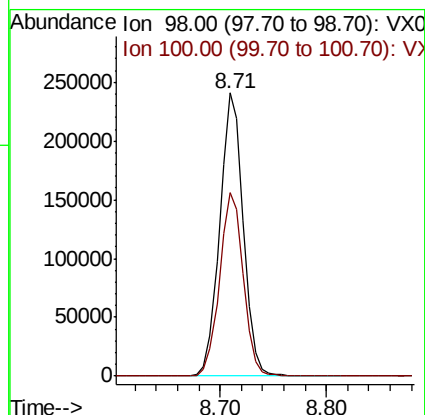
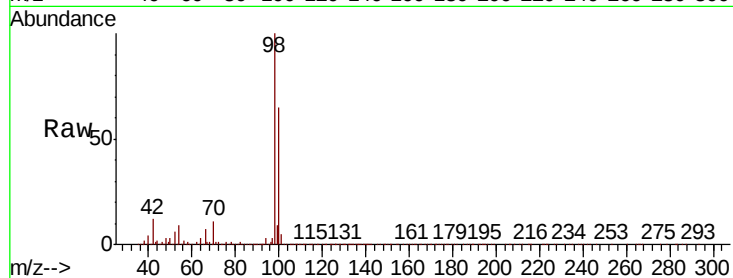
ClientSampled :

Tot Ion: 98 Resp: 369946

Ion Ratio Lower Upper

98 100

100 65.2 52.8 79.2



#90

Hexachlorobutadiene

Concen: 0.241 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VX015125.D

Acq: 06 Mar 2020 14:32

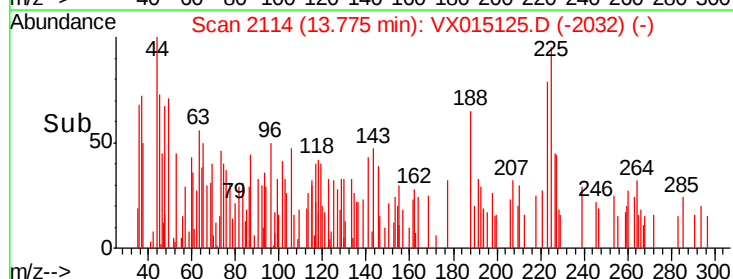
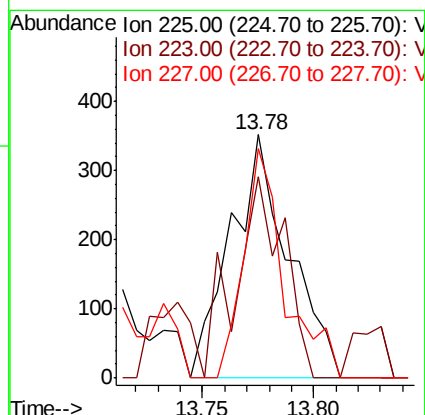
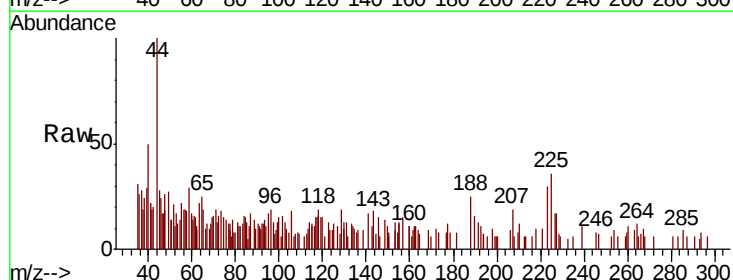
Tgt Ion: 225 Resp: 639

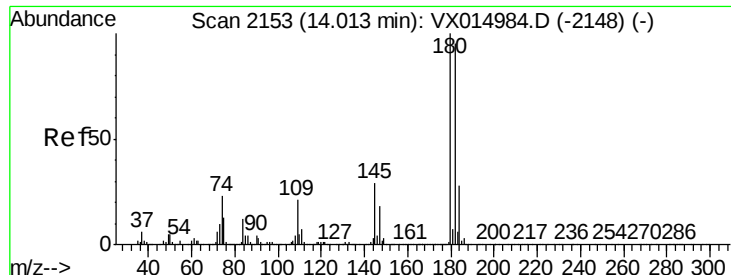
Ion Ratio Lower Upper

225 100

223 55.4 0.0 132.0

227 66.4 0.0 131.0

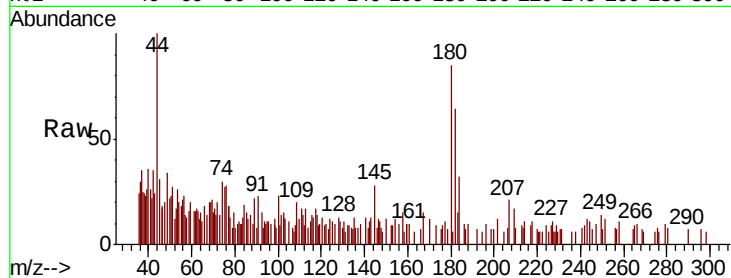




#92
 1,2,3-Trichlorobenzene
 Concen: 0.206 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX015125.D
 Acq: 06 Mar 2020 14:32

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.6	0.0	192.4
145	13.8	0.0	60.4



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

