

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX014000.D
 Acq On : 13 Dec 2019 03:30
 Operator : JC/SP
 Sample : K6198-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391205075

Quant Time: Dec 13 04:42:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 13 01:35:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	88761	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	493667	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	426013	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	195389	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%
60) 4-Bromofluorobenzene	11.14	95	190079	27.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.10%
63) Toluene-d8	8.71	98	582328	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

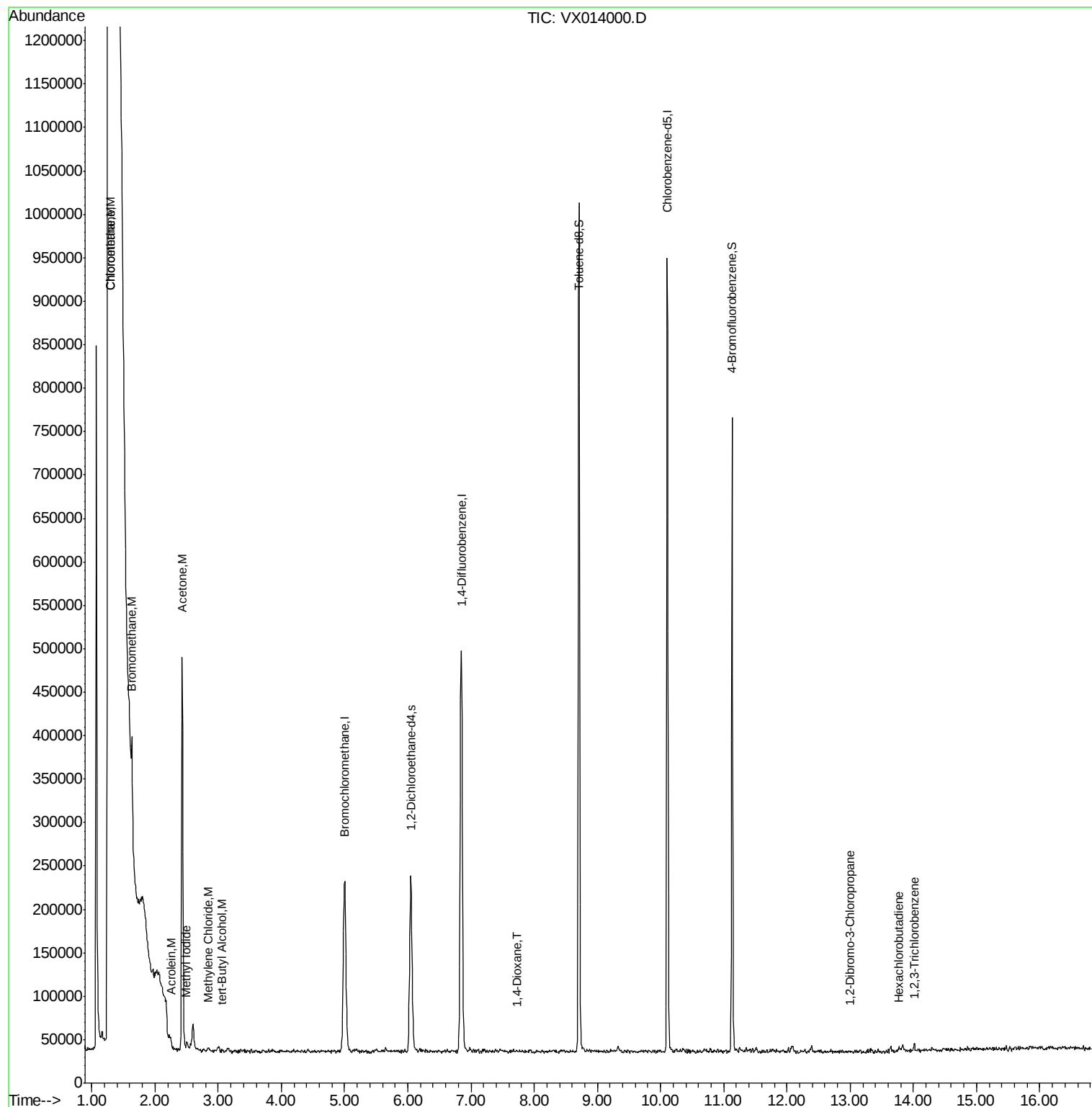
					Ovalue	
3) Chloromethane	1.30	50	186450	29.504	ug/l #	45
5) Bromomethane	1.63	94	20081	4.240	ug/l	100
6) Chloroethane	1.30	64	19210562	4800.880	ug/l #	52
11) Methyl Iodide	2.50	142	11723	1.832	ug/l	94
13) Acrolein	2.26	56	421	0.451	ug/l	86
15) Acetone	2.43	58	144053	163.019	ug/l	83
18) Methylene Chloride	2.84	84	1960	0.322	ug/l #	96
23) tert-Butyl Alcohol	3.05	59	284	0.241	ug/l #	1
45) 1,4-Dioxane	7.73	88	392	3.099	ug/l #	74
88) 1,2-Dibromo-3-Chloropropan	13.01	75	487	0.284	ug/l #	36
90) Hexachlorobutadiene	13.78	225	905	0.260	ug/l	92
92) 1,2,3-Trichlorobenzene	14.01	180	1900	0.256	ug/l	91

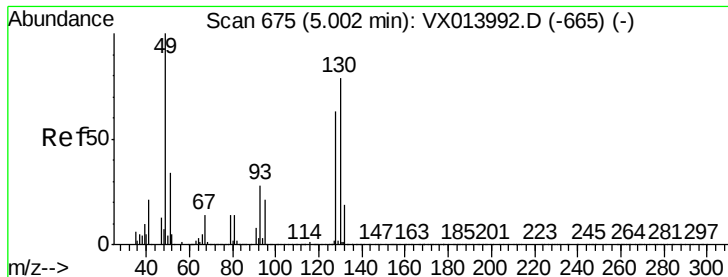
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121219\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX014000.D

Acq: 13 Dec 2019 03:30

Instrument :

MSVOA_X

ClientSampleId :

391205075

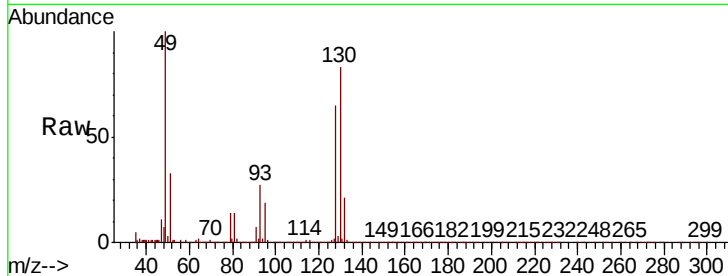
Tot Ion:128 Resp: 88761

Ion Ratio Lower Upper

128 100

49 157.9 0.0 405.0

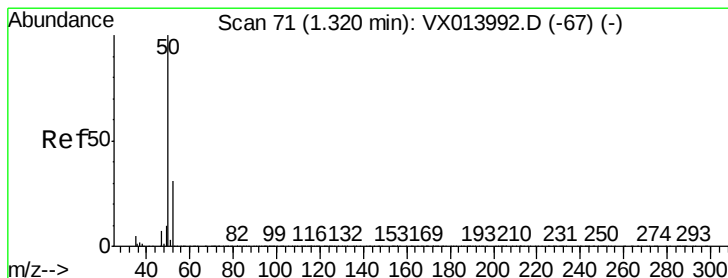
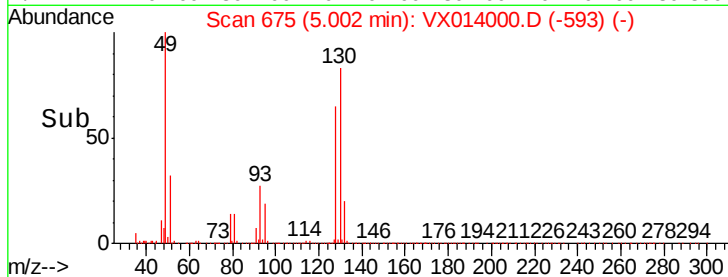
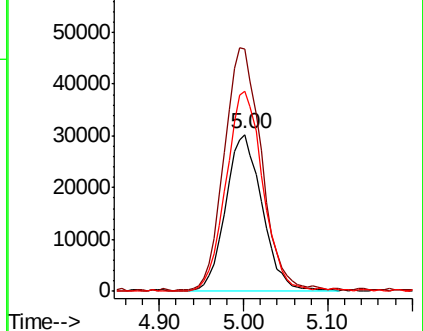
130 129.8 0.0 321.5



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



#3

Chloromethane

Concen: 29.504 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VX014000.D

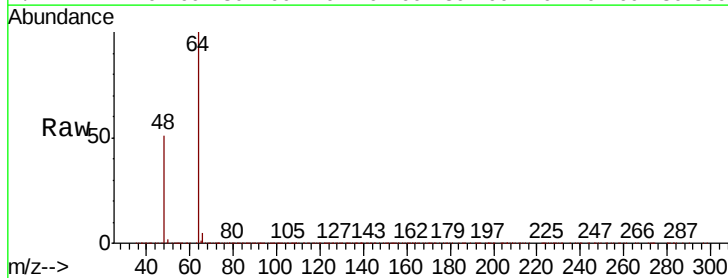
Acq: 13 Dec 2019 03:30

Tgt Ion: 50 Resp: 186450

Ion Ratio Lower Upper

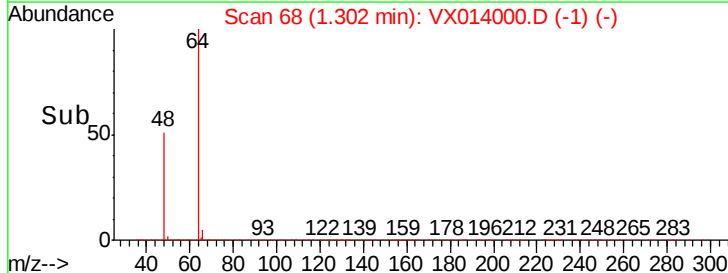
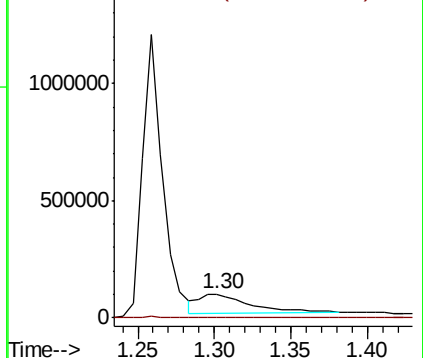
50 100

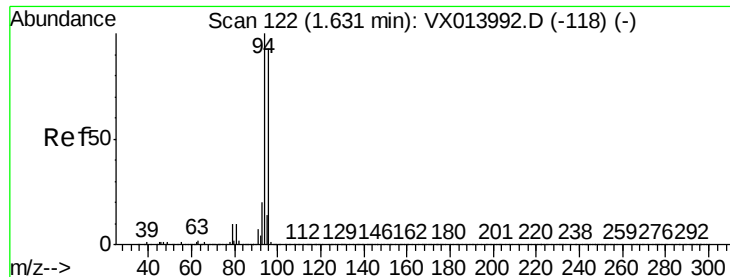
52 0.6 24.3 36.5#



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 4.240 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014000.D

Acq: 13 Dec 2019 03:30

Instrument :

MSVOA_X

ClientSampleId :

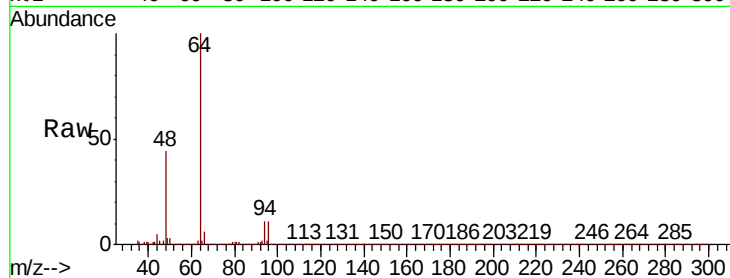
391205075

Tot Ion: 94 Resp: 20081

Ion Ratio Lower Upper

94 100

96 92.8 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

20000

15000

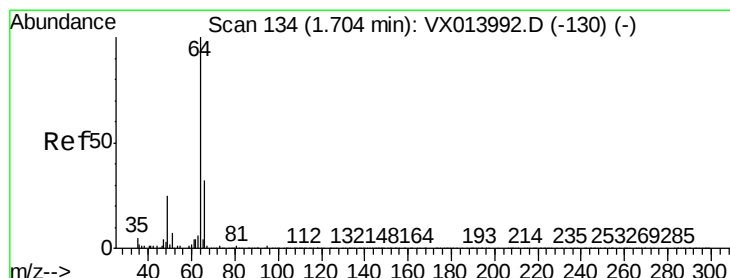
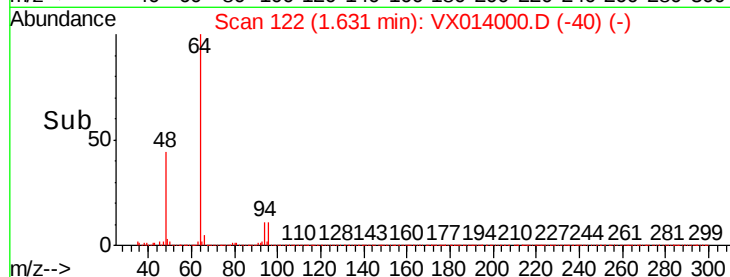
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4800.880 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.40 min

Lab File: VX014000.D

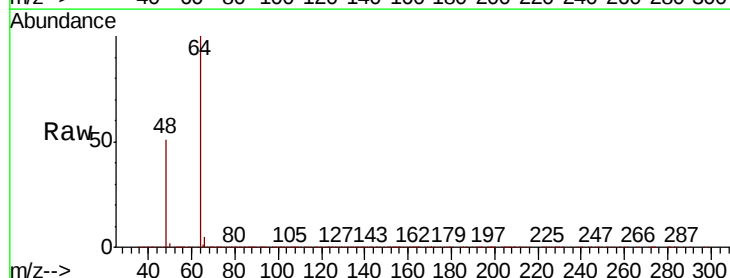
Acq: 13 Dec 2019 03:30

Tgt Ion: 64 Resp: 19210562

Ion Ratio Lower Upper

64 100

66 5.0 25.2 37.8#



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1e+07

8000000

6000000

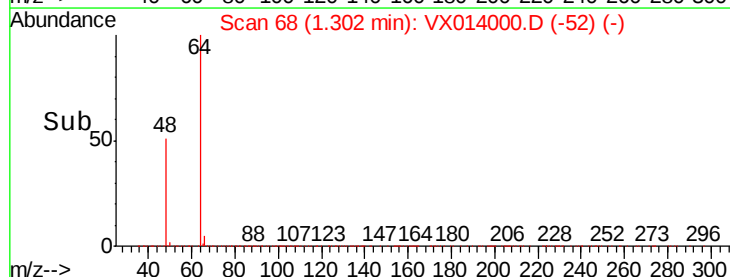
4000000

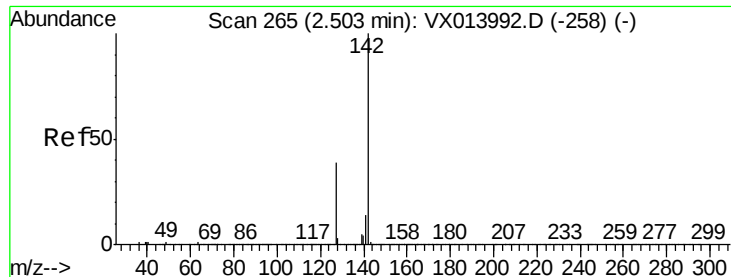
2000000

0

1.20 1.40 1.60 1.80

Time-->

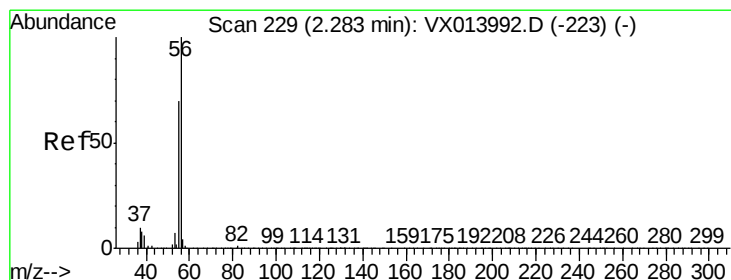
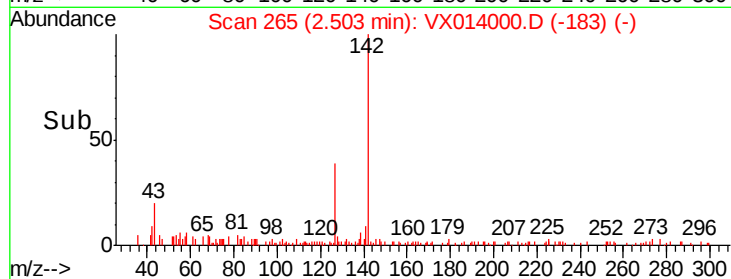
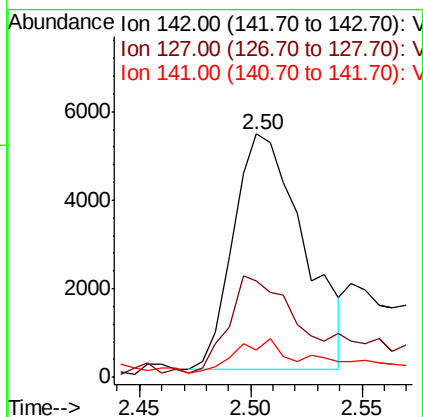
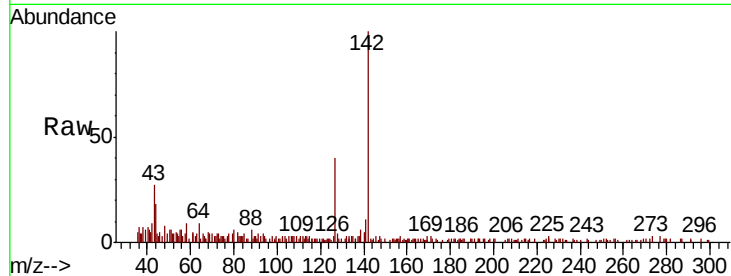




#11
Methvl Iodide
Concen: 1.832 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

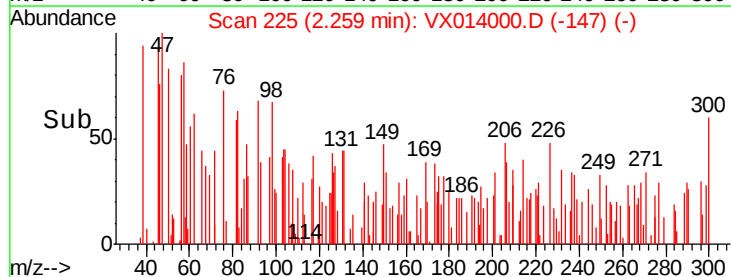
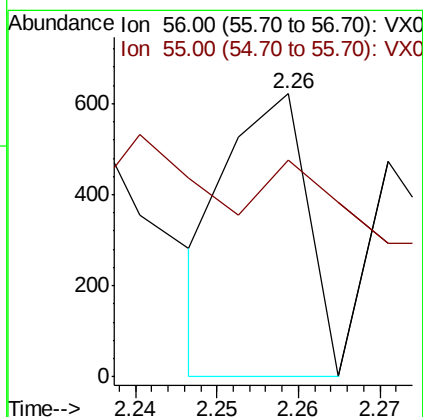
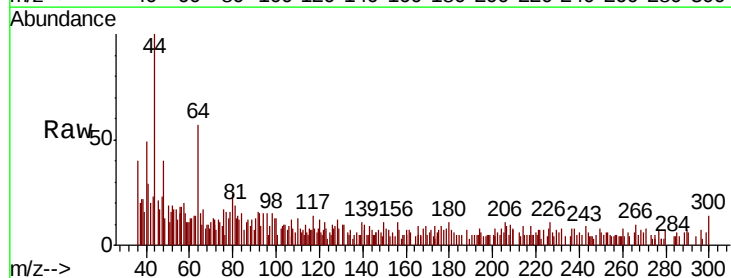
Instrument :
MSVOA_X
ClientSampleId :
391205075

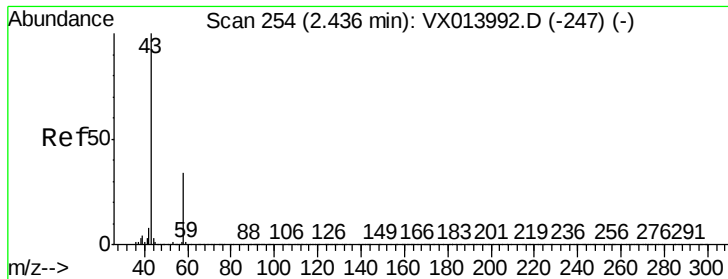
Tot Ion:142 Resp: 11723
Ion Ratio Lower Upper
142 100
127 36.6 19.5 58.5
141 9.1 7.0 20.9



#13
Acrolein
Concen: 0.451 ug/l
RT: 2.26 min Scan# 225
Delta R.T. -0.02 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

Tgt Ion: 56 Resp: 421
Ion Ratio Lower Upper
56 100
55 79.8 54.9 82.3

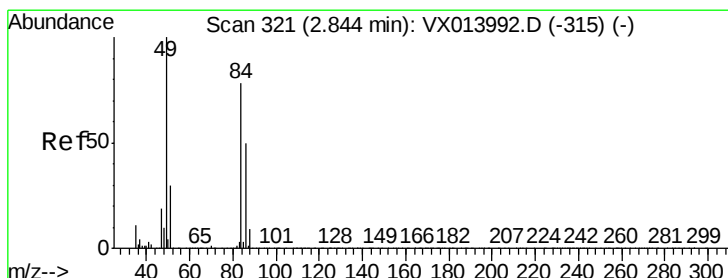
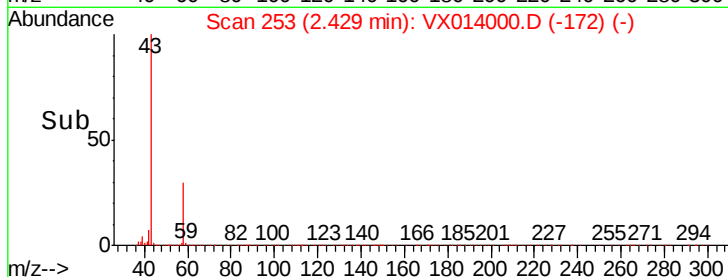
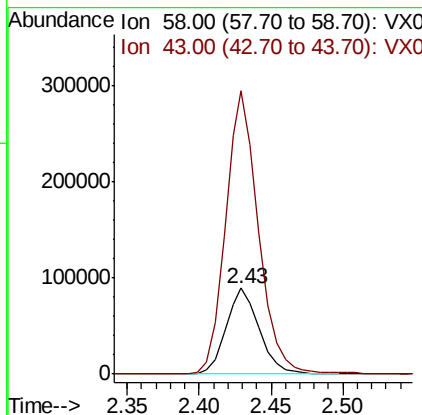
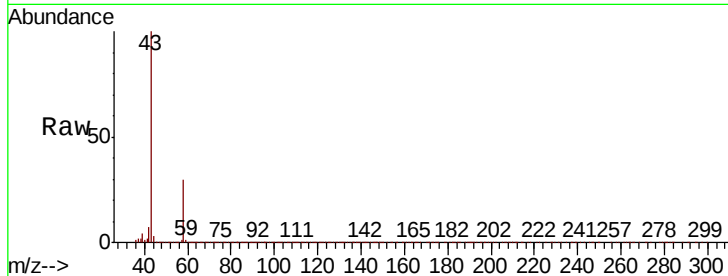




#15
Acetone
Concen: 163.019 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

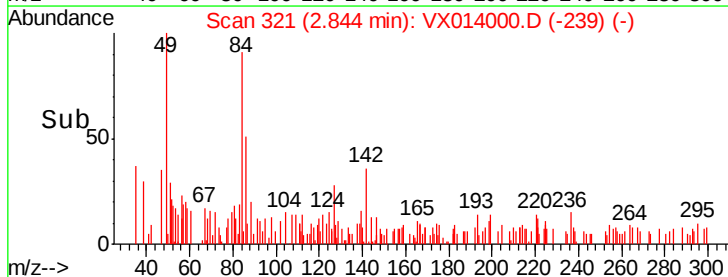
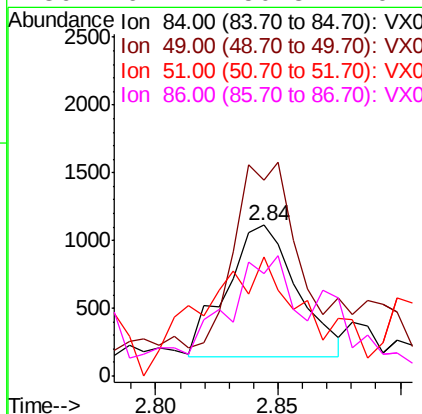
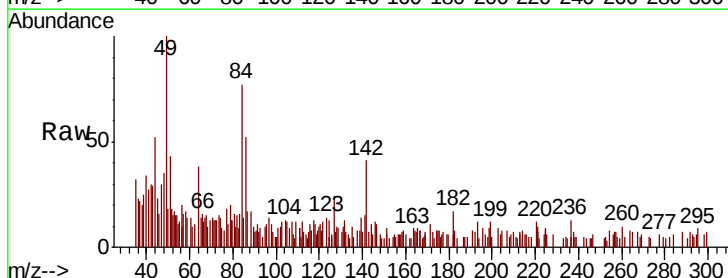
Instrument :
MSVOA_X
ClientSampleId :
391205075

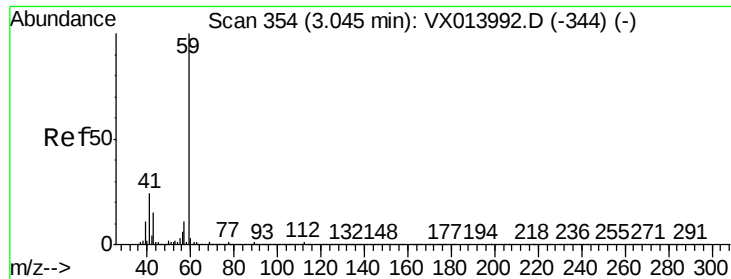
Tot Ion: 58 Resp: 144053
Ion Ratio Lower Upper
58 100
43 329.3 236.3 354.5



#18
Methylene Chloride
Concen: 0.322 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

Tgt Ion: 84 Resp: 1960
Ion Ratio Lower Upper
84 100
49 130.2 102.2 153.2
51 47.7 31.4 47.0#
86 62.7 50.8 76.2



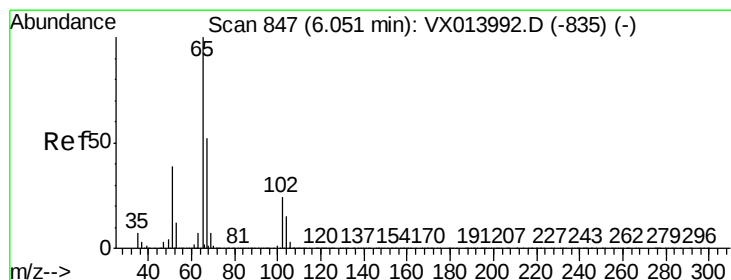
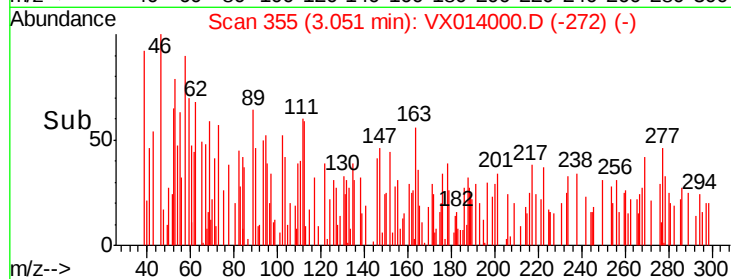
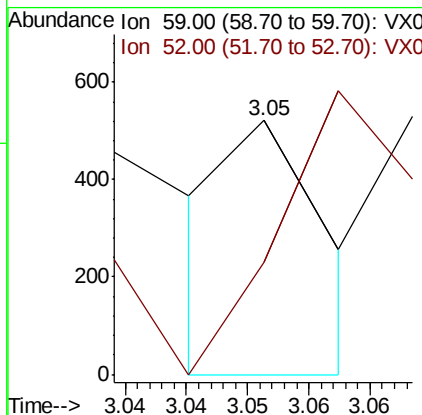
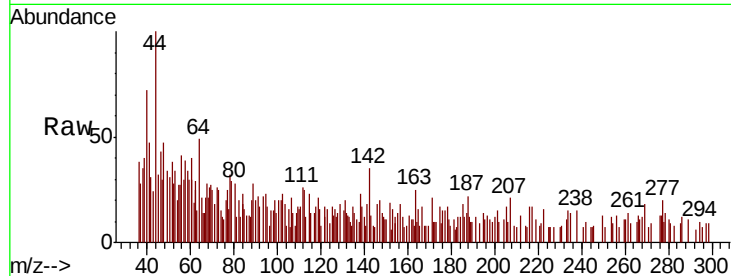


#23

tert-Butyl Alcohol
 Concen: 0.241 ug/l
 RT: 3.05 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VX014000.D
 Acq: 13 Dec 2019 03:30

Instrument :
 MSVOA_X
 ClientSampleId :
 391205075

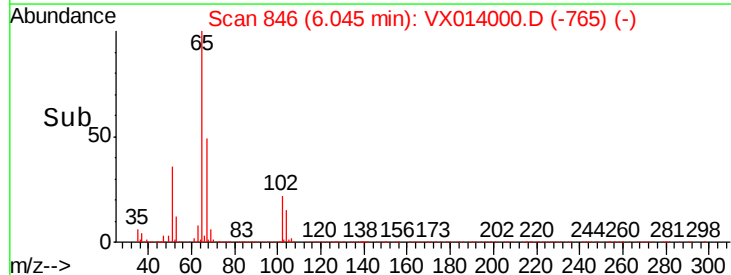
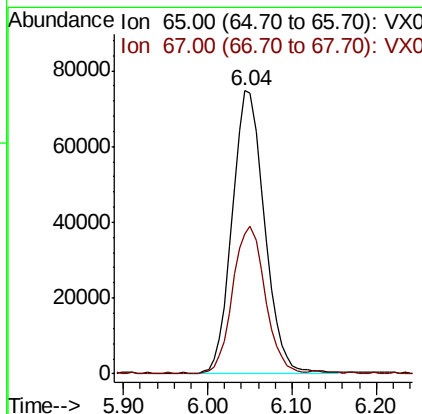
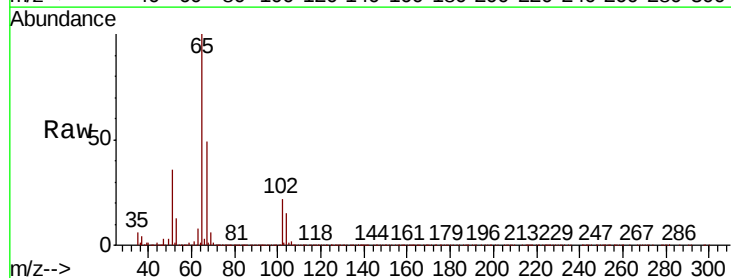
Tot Ion: 59 Resp: 284
 Ion Ratio Lower Upper
 59 100
 52 231.3 0.2 0.2#

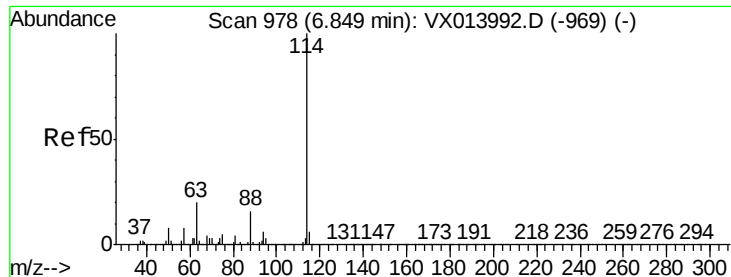


#27

1,2-Dichloroethane-d4
 Concen: 30.737 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014000.D
 Acq: 13 Dec 2019 03:30

Tgt Ion: 65 Resp: 195389
 Ion Ratio Lower Upper
 65 100
 67 51.4 43.1 64.7

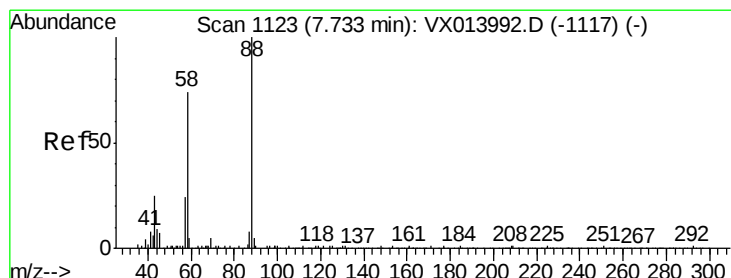
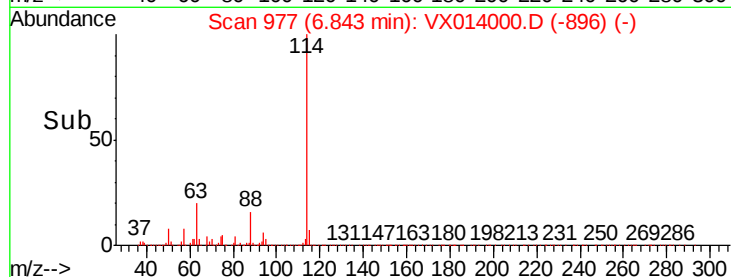
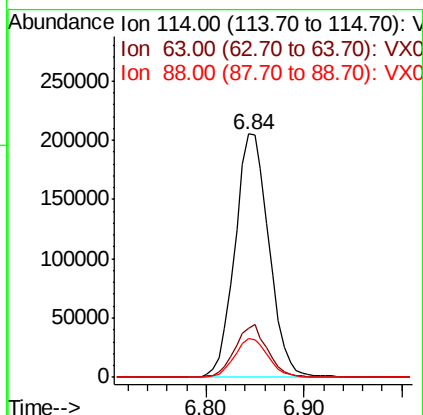
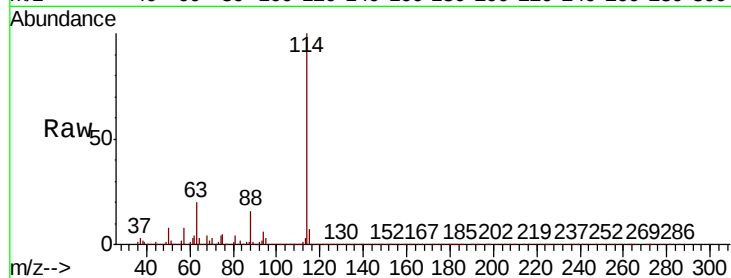




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014000.D
 Acq: 13 Dec 2019 03:30

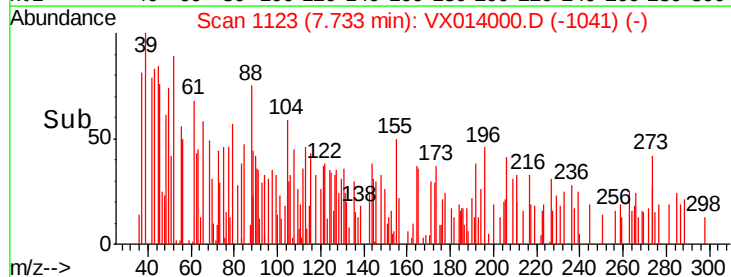
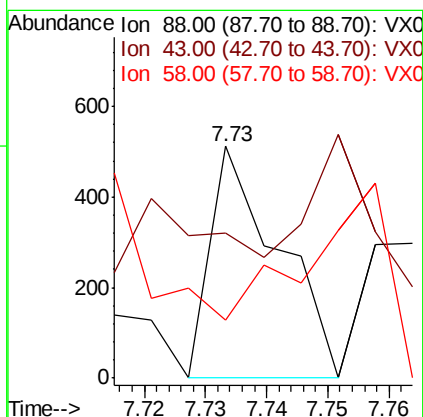
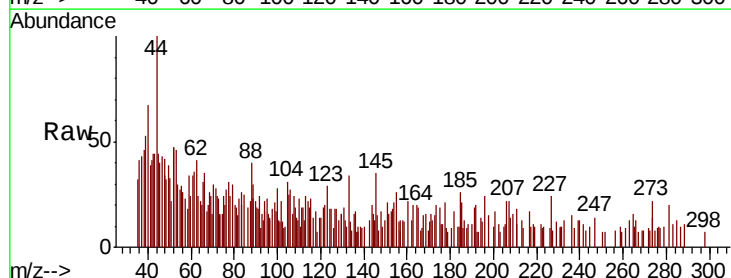
Instrument :
 MSVOA_X
 ClientSampleId :
 391205075

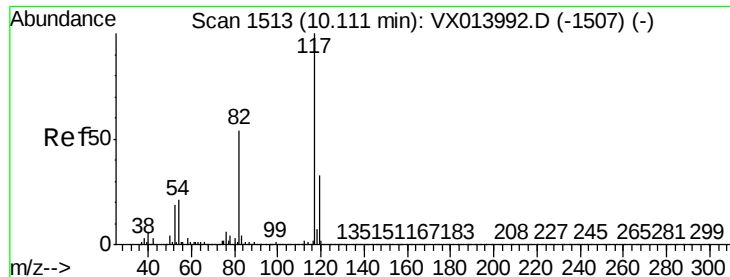
Tot Ion:	114	Resp:	493667
Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	15.7	12.5	18.7



#45
 1,4-Dioxane
 Concen: 3.099 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX014000.D
 Acq: 13 Dec 2019 03:30

Tgt Ion:	88	Resp:	392
Ion	Ratio	Lower	Upper
88	100		
43	33.7	25.4	38.2
58	41.1	56.5	84.7#

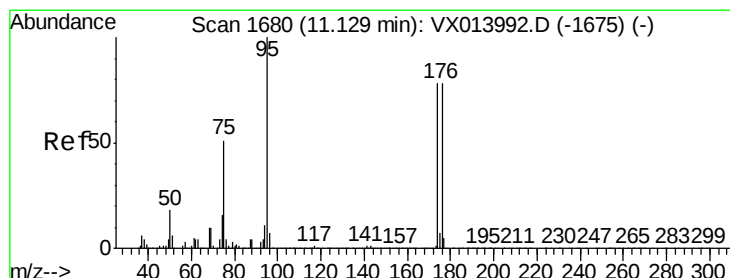
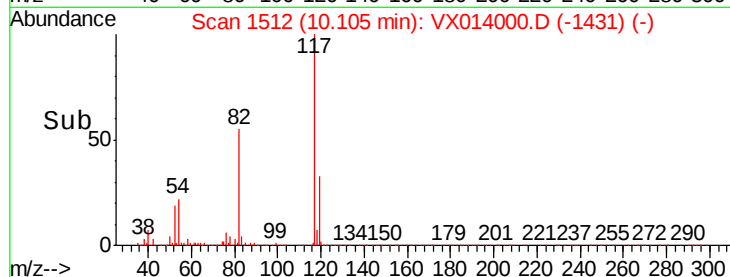
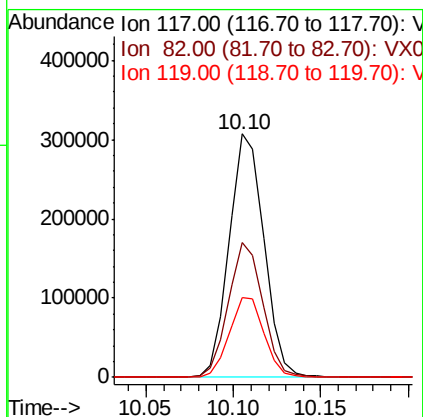
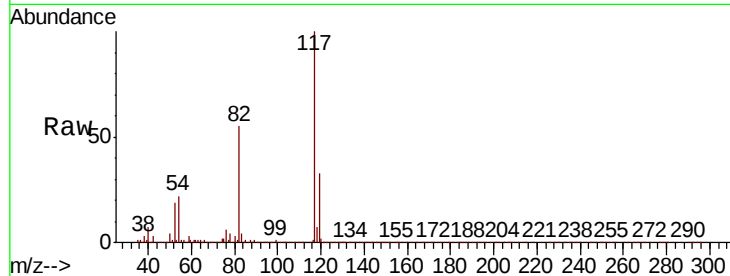




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

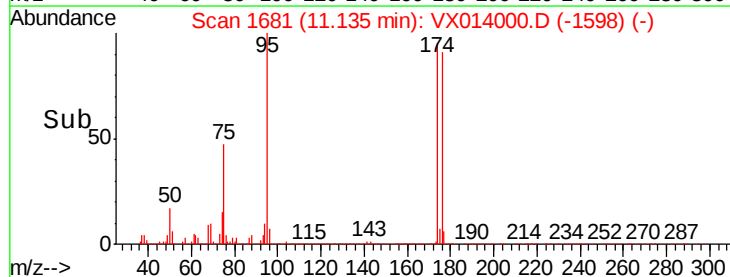
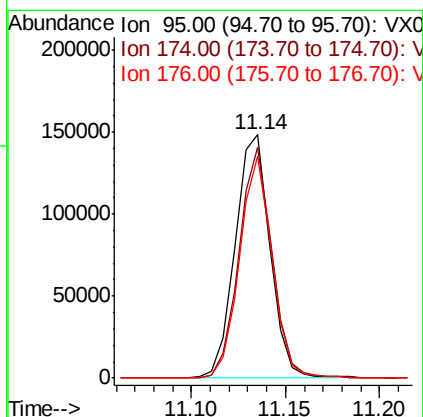
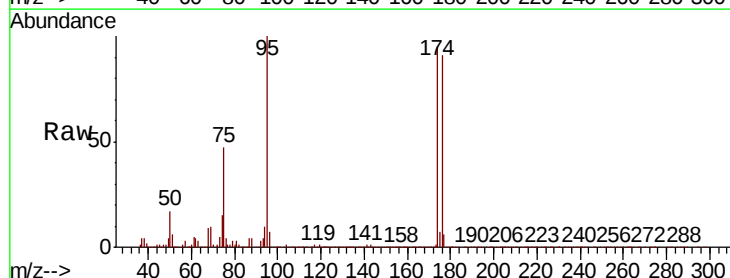
Instrument :
MSVOA_X
ClientSampleId :
391205075

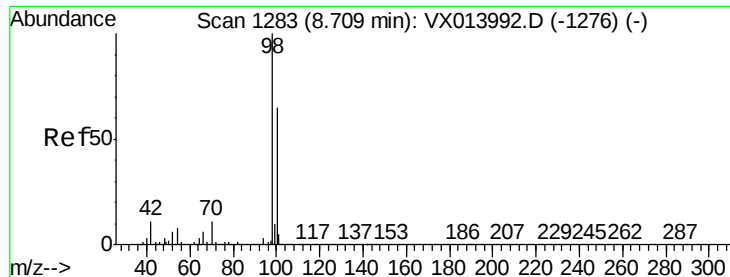
Tot Ion:117 Resp: 426013
Ion Ratio Lower Upper
117 100
82 54.5 43.8 65.6
119 32.8 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.631 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

Tgt Ion: 95 Resp: 190079
Ion Ratio Lower Upper
95 100
174 89.7 70.2 105.2
176 85.2 68.3 102.5





#63

Toluene-d8

Concen: 30.581 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014000.D

Acq: 13 Dec 2019 03:30

Instrument :

MSVOA_X

ClientSampleId :

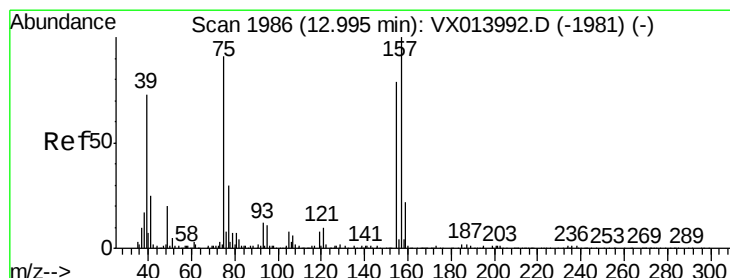
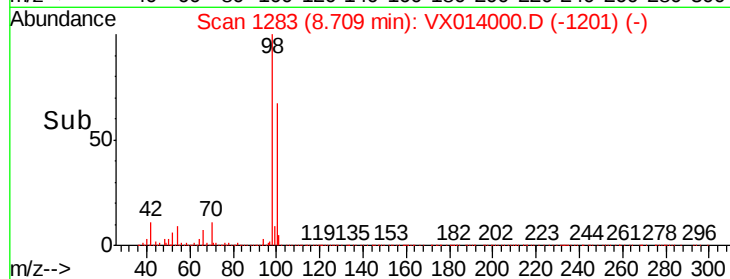
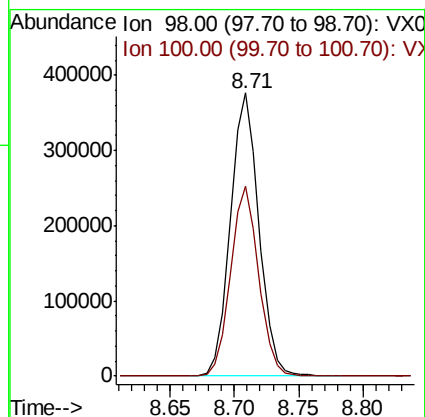
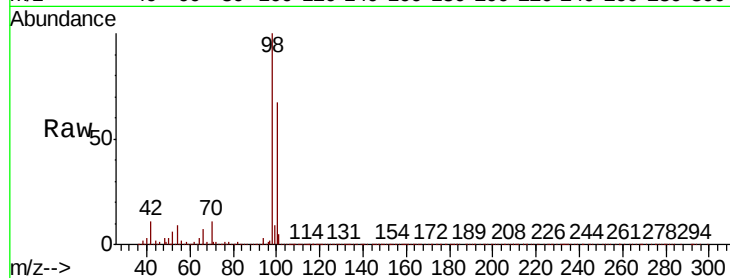
391205075

Tot Ion: 98 Resp: 582328

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.284 ug/l

RT: 13.01 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VX014000.D

Acq: 13 Dec 2019 03:30

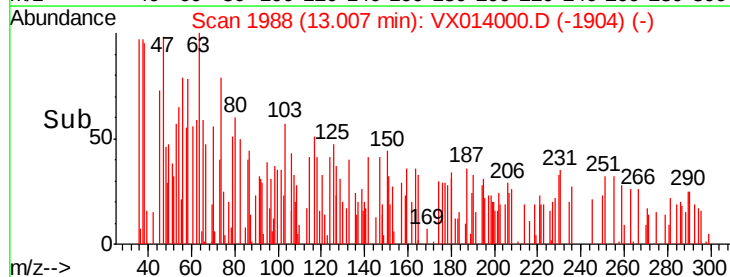
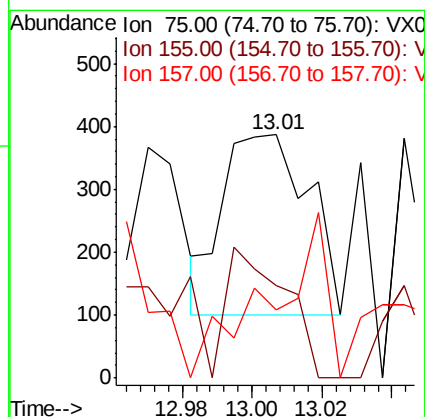
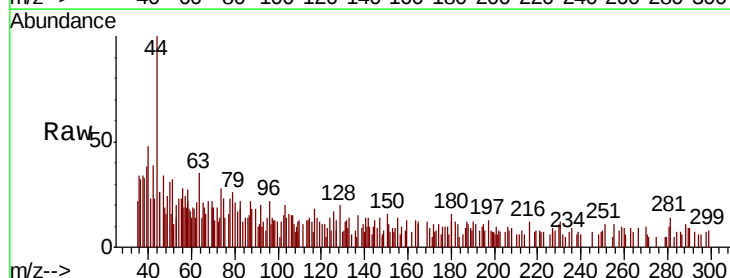
Tgt Ion: 75 Resp: 487

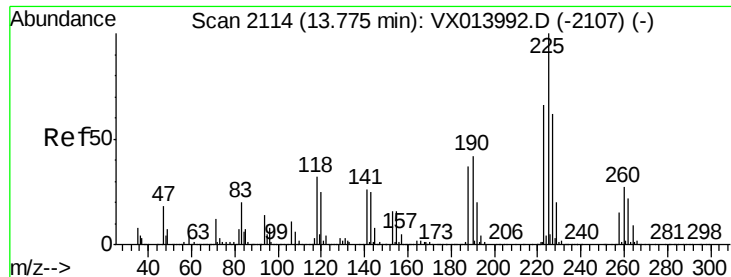
Ion Ratio Lower Upper

75 100

155 49.9 73.8 110.6#

157 31.0 95.0 142.4#

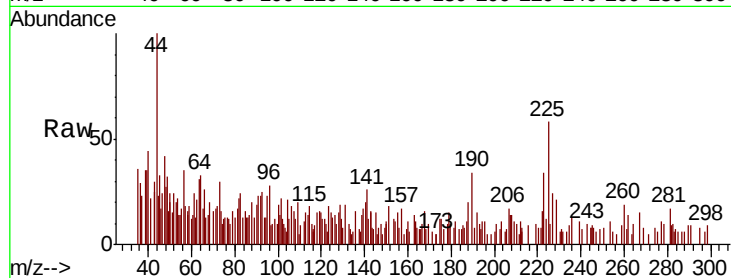




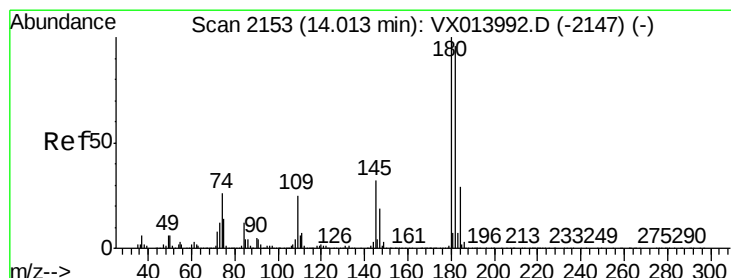
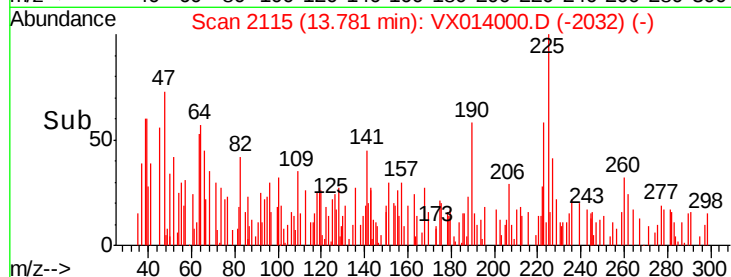
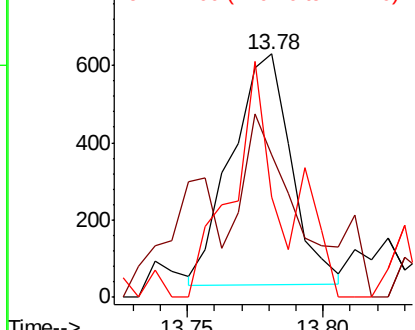
#90
Hexachlorobutadiene
Concen: 0.260 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

Instrument :
MSVOA_X
ClientSampleId :
391205075

Tot Ion	Ratio	Lower	Upper
225	100		
223	62.4	0.0	127.4
227	50.3	0.0	122.8

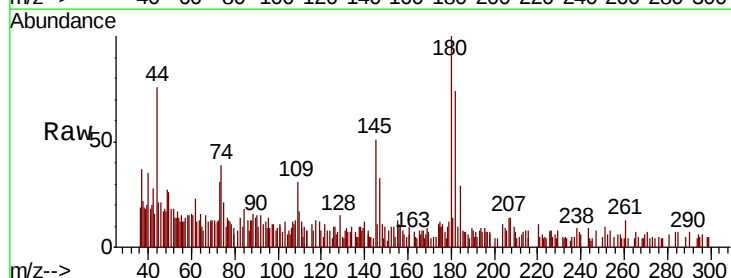


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#92
1,2,3-Trichlorobenzene
Concen: 0.256 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX014000.D
Acq: 13 Dec 2019 03:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.6	0.0	192.8
145	31.8	0.0	60.0



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

