

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014113.D
 Acq On : 19 Dec 2019 11:45
 Operator : JC/SP
 Sample : VX1219WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 00:52:09 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	83068	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	467675	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	406478	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	184866	31.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.57%
60) 4-Bromofluorobenzene	11.13	95	172411	26.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.57%
63) Toluene-d8	8.71	98	551133	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

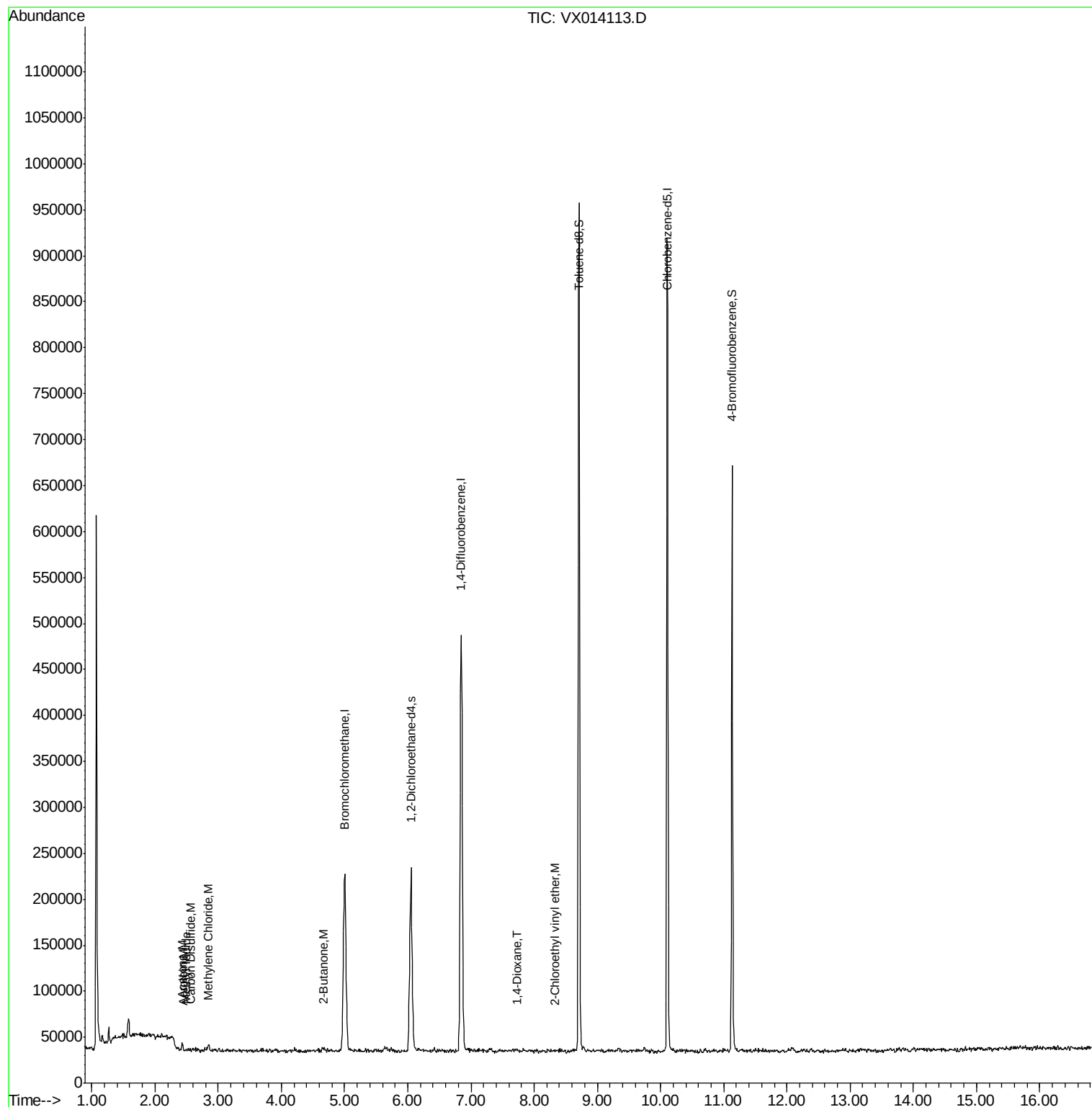
					Ovalue	
11) Methyl Iodide	2.50	142	1810	0.302	ug/l #	55
13) Acrolein	2.45	56	254	0.291	ug/l	91
15) Acetone	2.43	58	2822	3.412	ug/l	96
16) Carbon Disulfide	2.56	76	2969	0.236	ug/l #	83
18) Methylene Chloride	2.84	84	3333	0.585	ug/l #	80
30) 2-Butanone	4.66	43	1519	0.381	ug/l #	60
45) 1,4-Dioxane	7.73	88	148	1.235	ug/l #	24
55) 2-Chloroethyl vinyl ether	8.32	63	879	0.232	ug/l	95

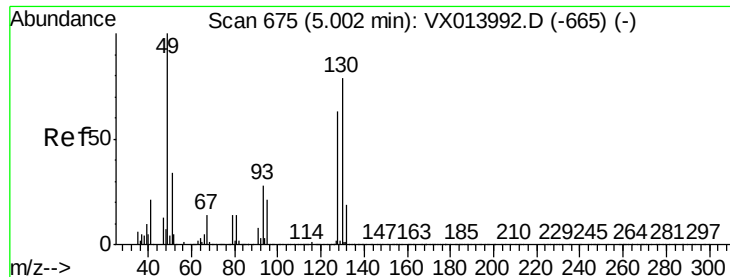
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X121219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 13 01:35:34 2019
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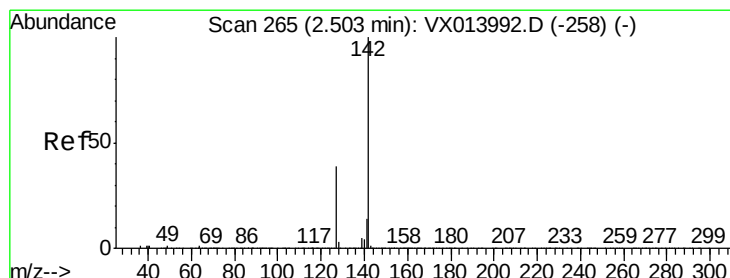
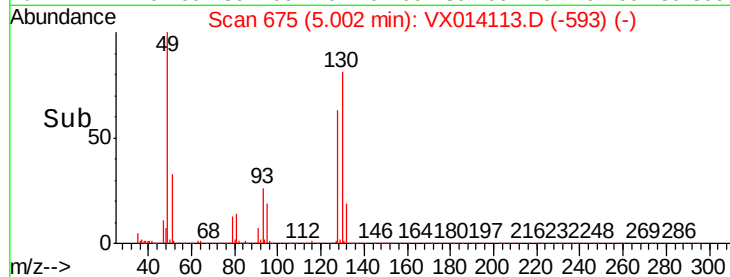
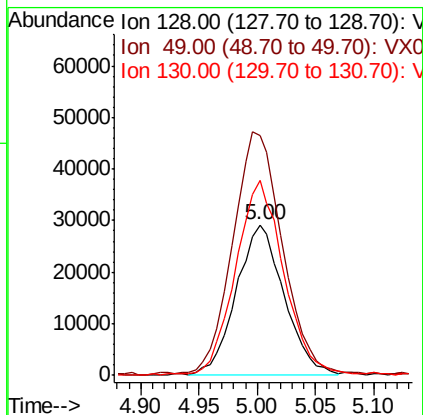
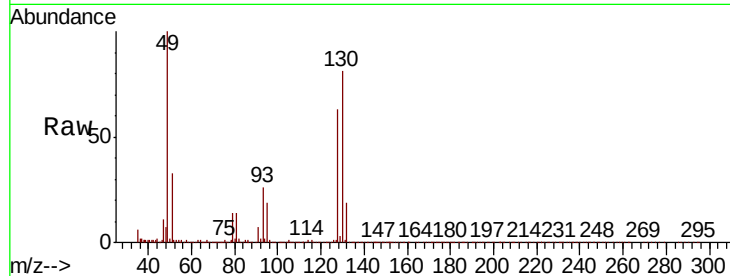


#1

Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Instrument :
MSVOA_X
ClientSampleId :

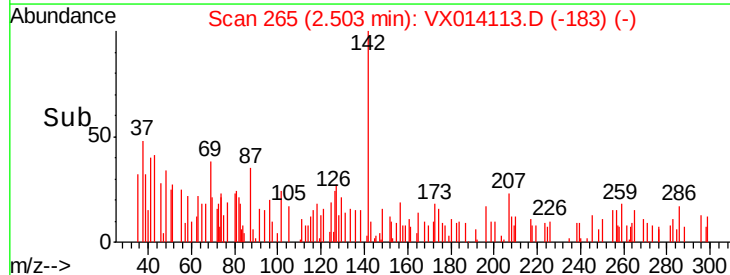
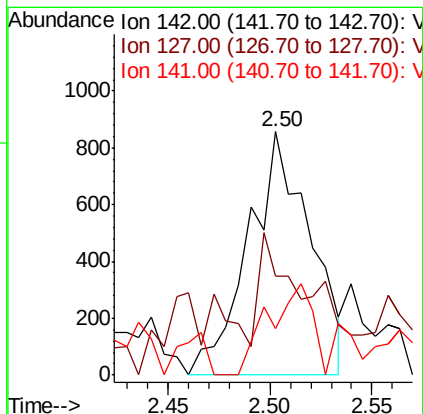
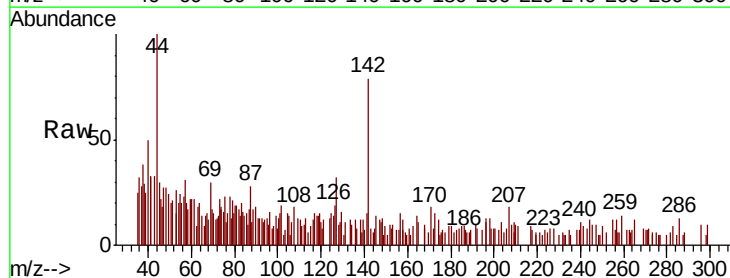
Tot Ion	Ratio	Lower	Upper
128	100		
49	166.0	0.0	405.0
130	130.1	0.0	321.5

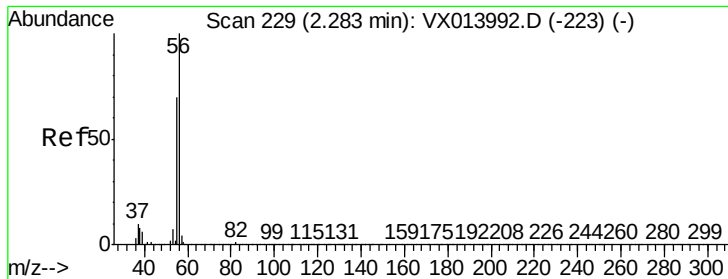


#11

Methyl Iodide
Concen: 0.302 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	7.9	19.5	58.5#
141	2.0	7.0	20.9#

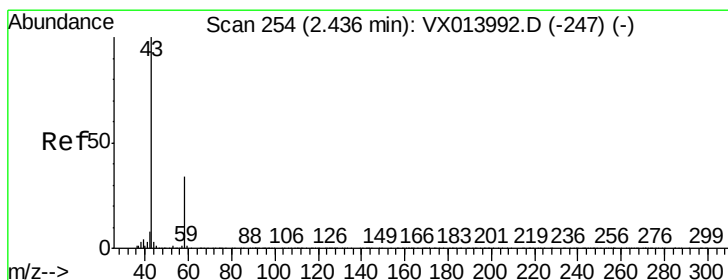
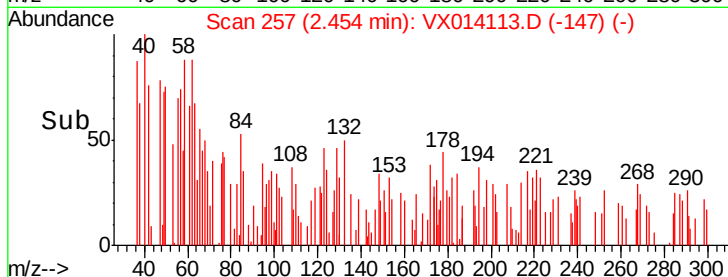
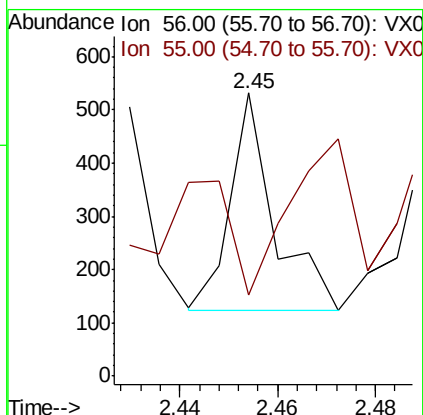
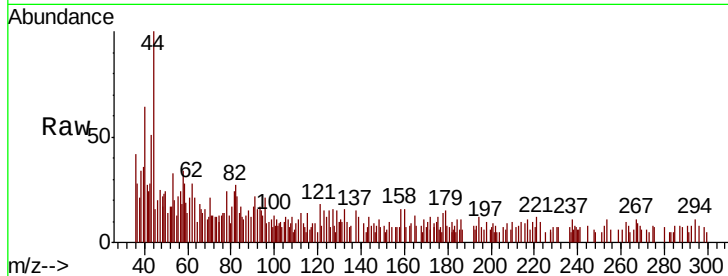




#13
Acrolein
Concen: 0.291 ug/l
RT: 2.45 min Scan# 257
Delta R.T. 0.17 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

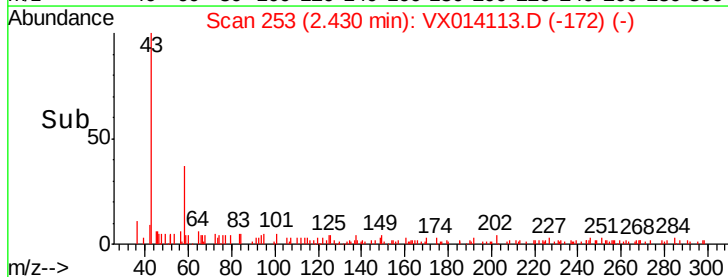
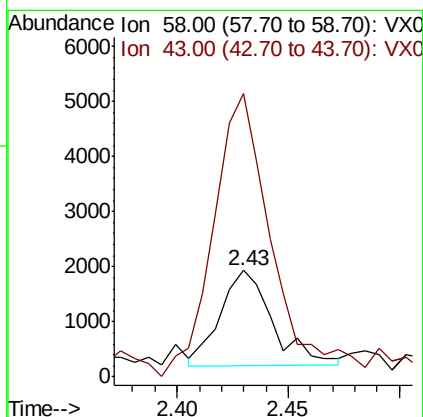
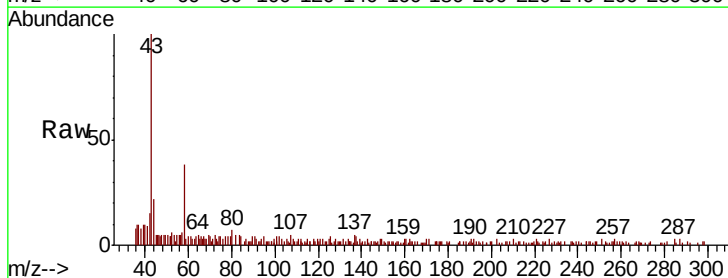
Instrument :
MSVOA_X
ClientSampled :

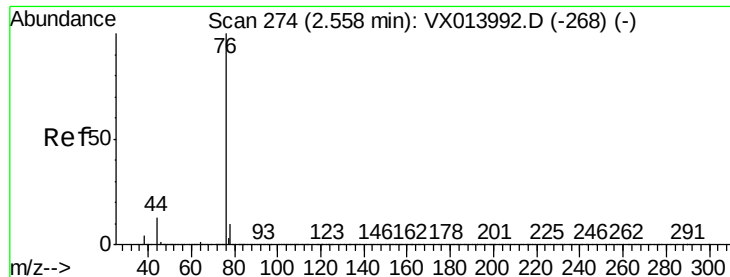
Tot Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 61.4 54.9 82.3



#15
Acetone
Concen: 3.412 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Tgt Ion: 58 Resp: 2822
Ion Ratio Lower Upper
58 100
43 288.1 236.3 354.5





#16

Carbon Disulfide

Concen: 0.236 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014113.D

Acq: 19 Dec 2019 11:45

Instrument :

MSVOA_X

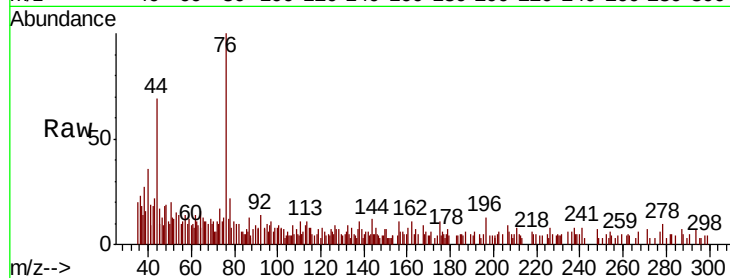
ClientSampleId :

Tot Ion: 76 Resp: 2969

Ion Ratio Lower Upper

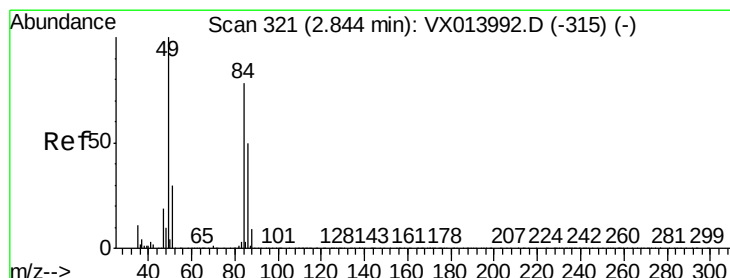
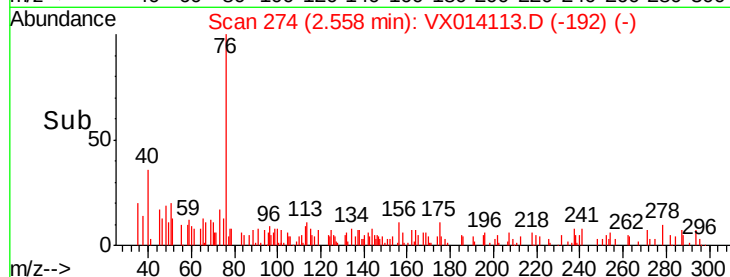
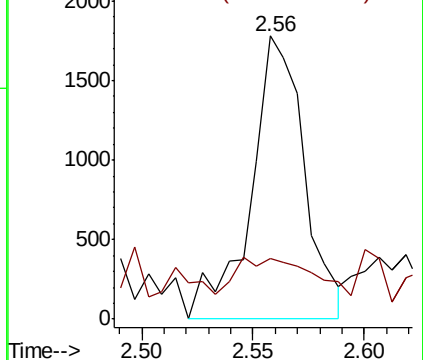
76 100

78 16.2 7.8 11.8#



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#18

Methylene Chloride

Concen: 0.585 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX014113.D

Acq: 19 Dec 2019 11:45

Tgt Ion: 84 Resp: 3333

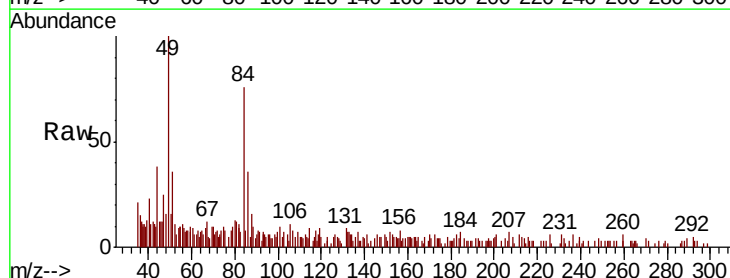
Ion Ratio Lower Upper

84 100

49 109.6 102.2 153.2

51 26.0 31.4 47.0#

86 41.0 50.8 76.2#

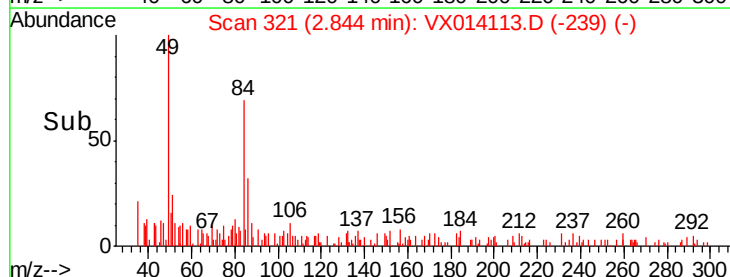
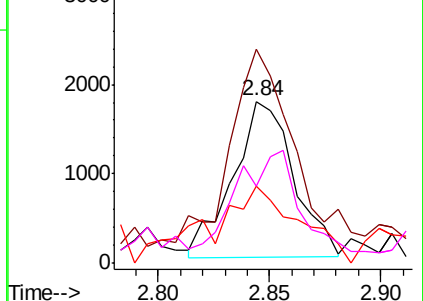


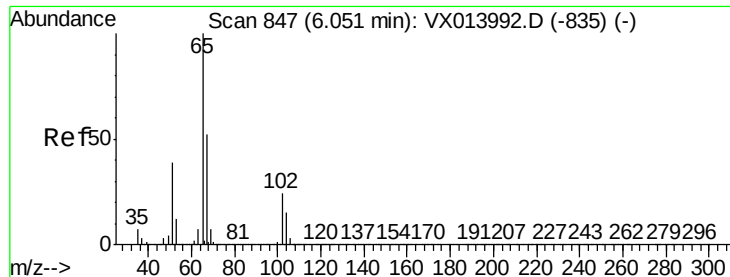
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 31.075 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014113.D

Acq: 19 Dec 2019 11:45

Instrument :

MSVOA_X

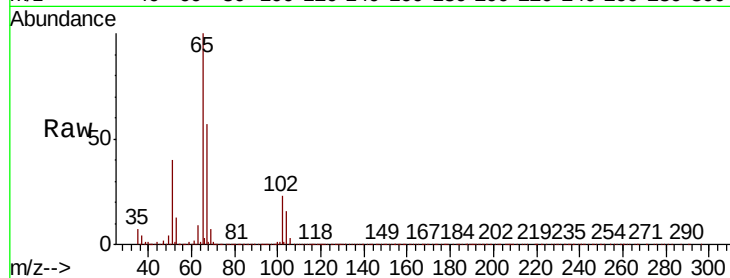
ClientSampleId :

Tot Ion: 65 Resp: 184866

Ion Ratio Lower Upper

65 100

67 54.7 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.05

80000

60000

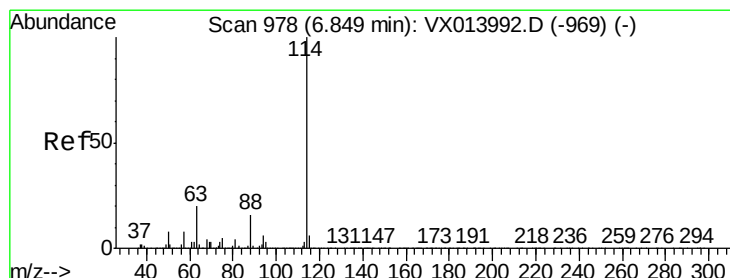
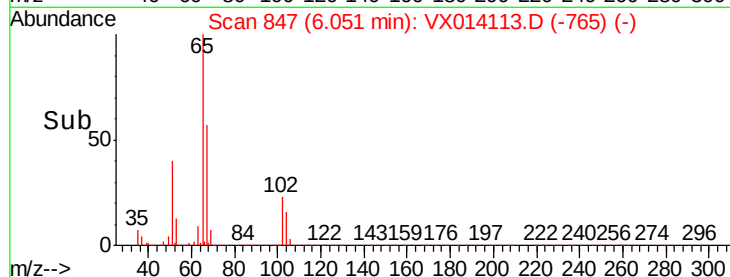
40000

20000

0

Time-->

6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014113.D

Acq: 19 Dec 2019 11:45

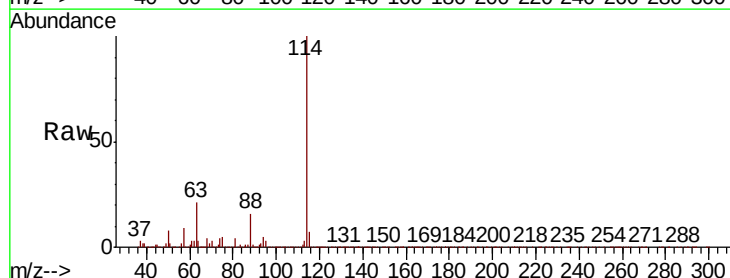
Tgt Ion: 114 Resp: 467675

Ion Ratio Lower Upper

114 100

63 20.3 16.1 24.1

88 16.0 12.5 18.7



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

250000

200000

150000

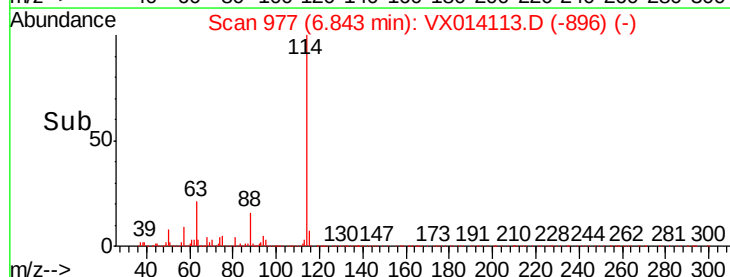
100000

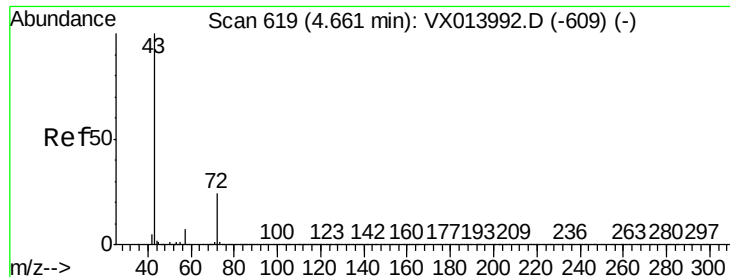
50000

0

Time-->

6.80 6.90

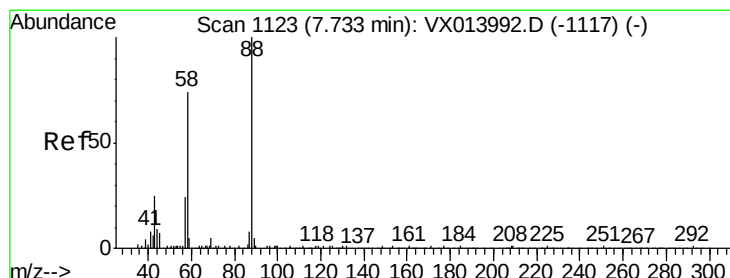
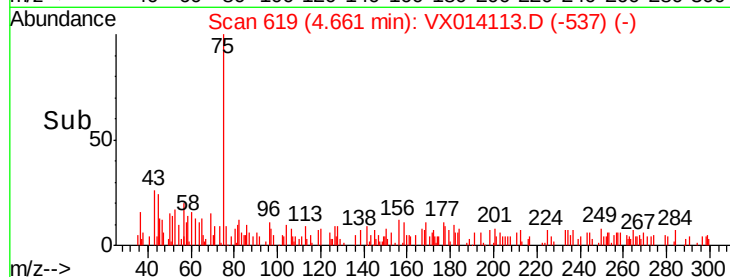
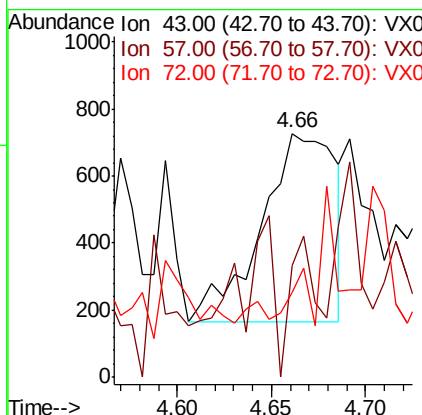
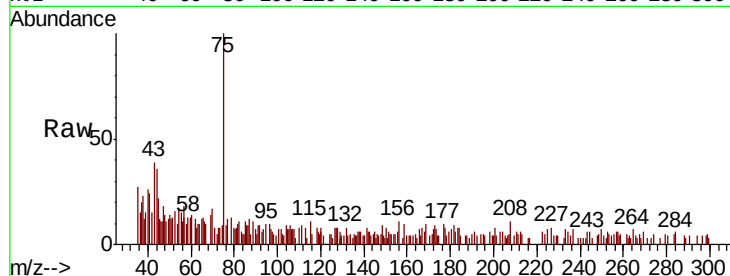




#30
2-Butanone
Concen: 0.381 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

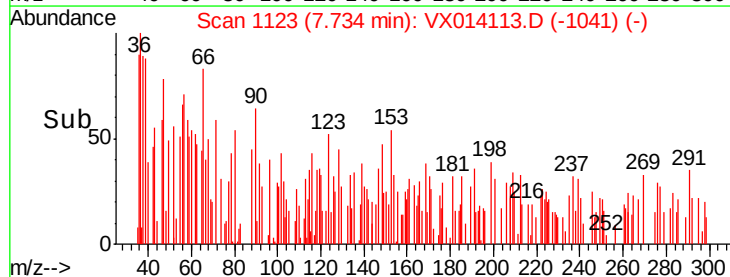
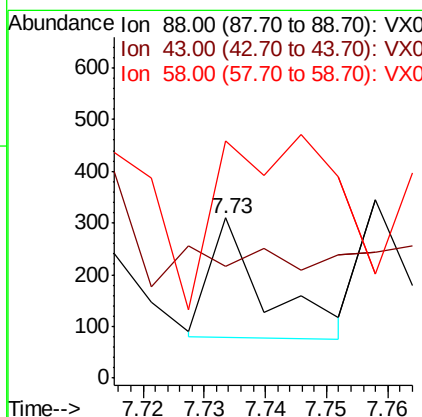
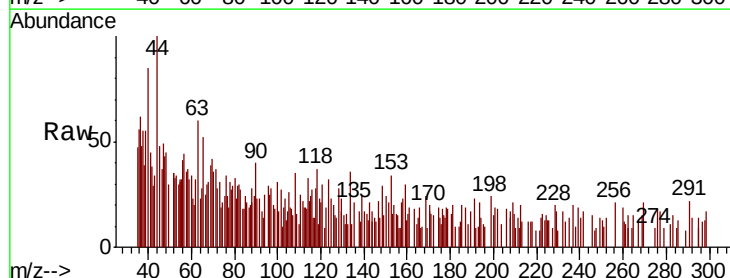
Instrument :
MSVOA_X
ClientSampled :

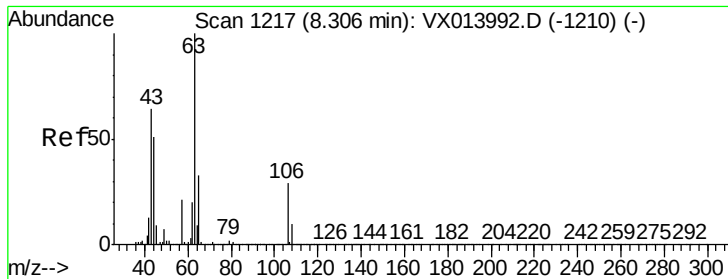
Tot Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
57 27.8 6.2 9.2#
72 7.6 20.3 30.5#



#45
1,4-Dioxane
Concen: 1.235 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 56.8 25.4 38.2#
58 145.3 56.5 84.7#

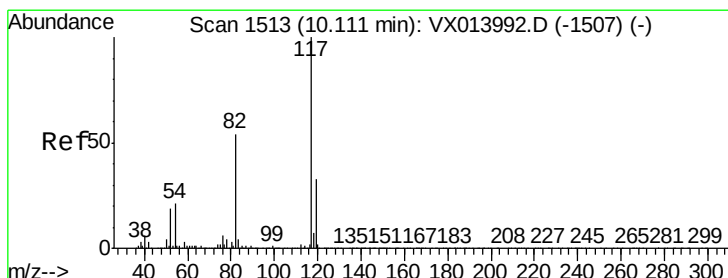
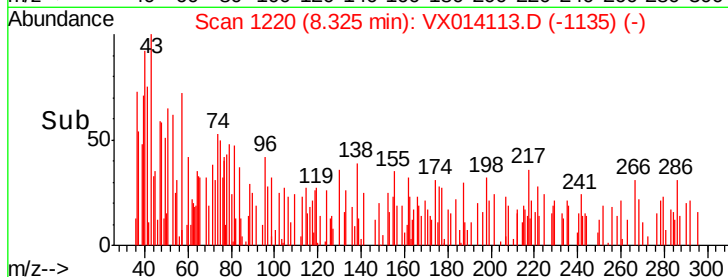
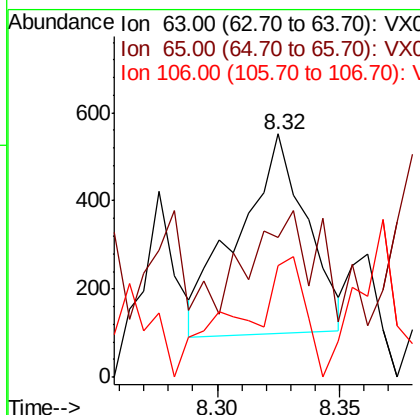
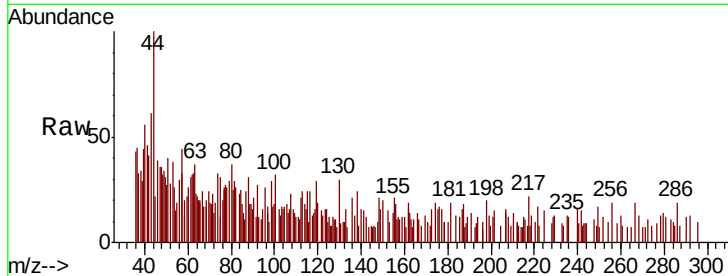




#55
2-Chloroethyl vinyl ether
Concen: 0.232 ug/l
RT: 8.32 min Scan# 1220
Delta R.T. 0.02 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

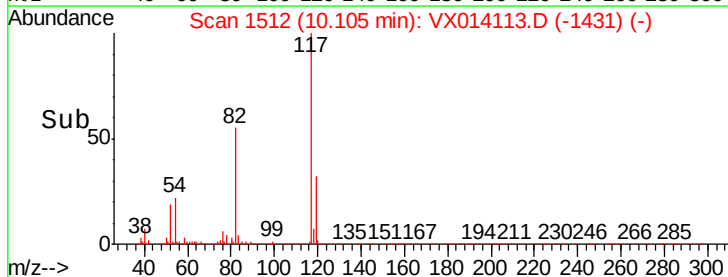
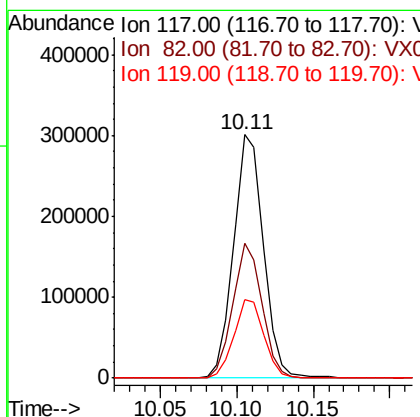
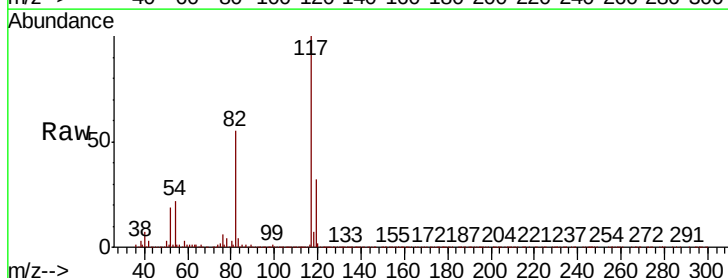
Instrument :
MSVOA_X
ClientSampled :

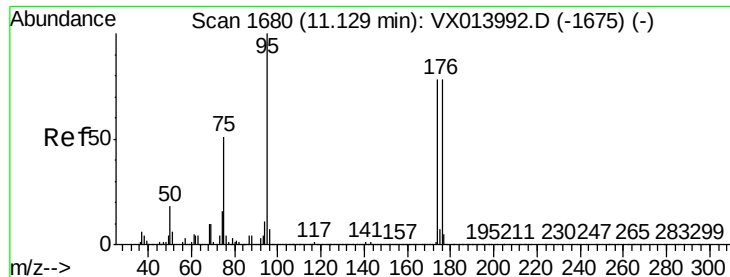
Tot Ion: 63 Resp: 879
Ion Ratio Lower Upper
63 100
65 36.6 25.8 38.6
106 27.5 22.9 34.3



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Tgt Ion: 117 Resp: 406478
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.6
119 32.6 25.8 38.6

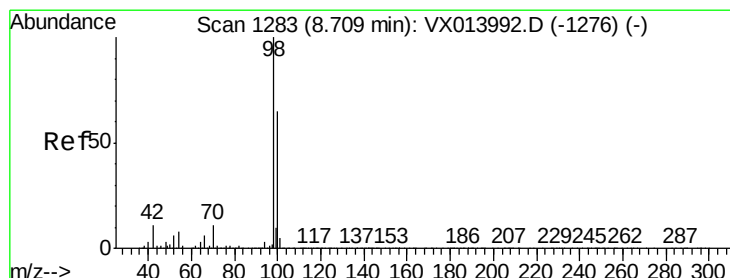
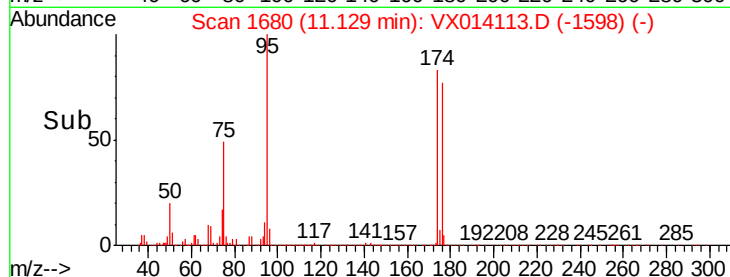
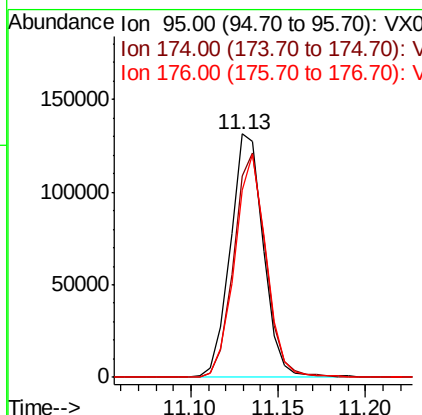
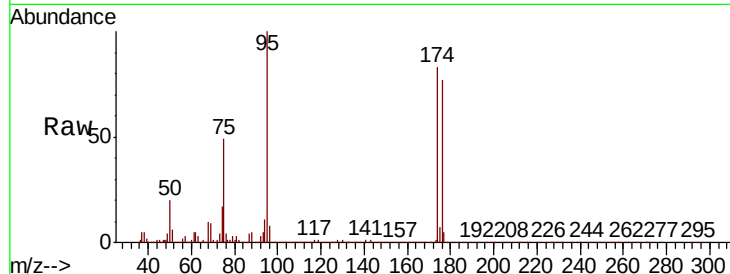




#60
4-Bromofluorobenzene
Concen: 26.267 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.6	70.2	105.2
176	87.2	68.3	102.5



#63
Toluene-d8
Concen: 30.334 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014113.D
Acq: 19 Dec 2019 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.2	78.2

