

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014345.D
 Acq On : 30 Dec 2019 11:09
 Operator : JC/SP
 Sample : VX1230WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 01:06:58 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	86313	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	474837	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	416212	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	187877	30.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.30%
60) 4-Bromofluorobenzene	11.13	95	182187	27.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.37%
63) Toluene-d8	8.71	98	569365	30.60	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.00%

Target Compounds

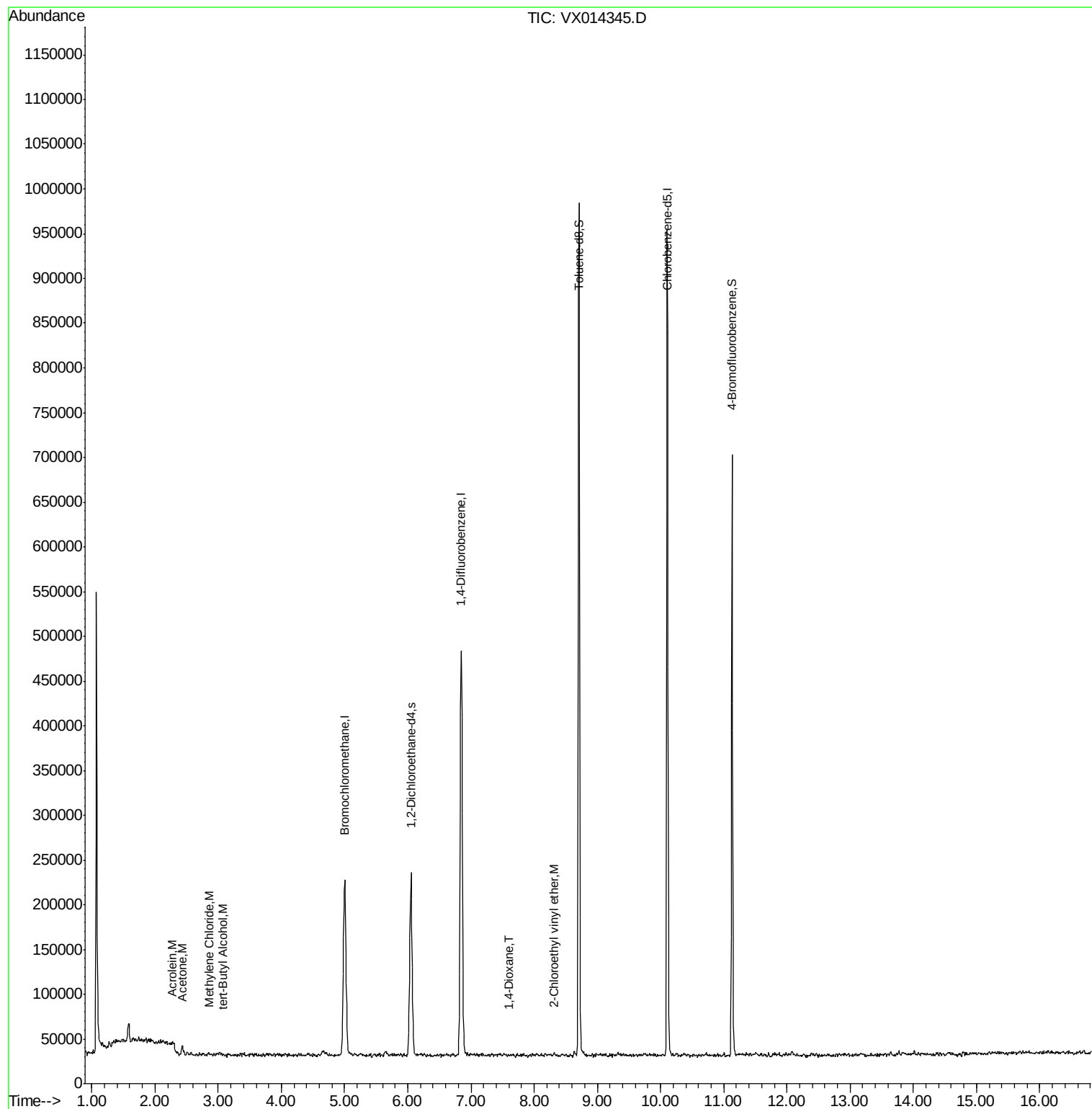
					Ovalue	
13) Acrolein	2.28	56	217	0.239	ug/l #	1
15) Acetone	2.42	58	3088	3.594	ug/l	87
18) Methylene Chloride	2.85	84	1374	0.232	ug/l #	85
23) tert-Butyl Alcohol	3.07	59	300	0.261	ug/l #	72
45) 1,4-Dioxane	7.59	88	248	2.038	ug/l	93
55) 2-Chloroethyl vinyl ether	8.31	63	2093	0.545	ug/l	96

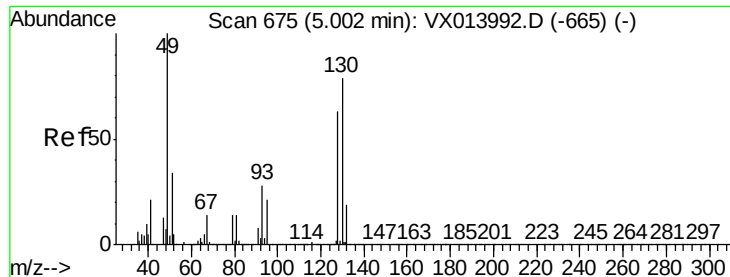
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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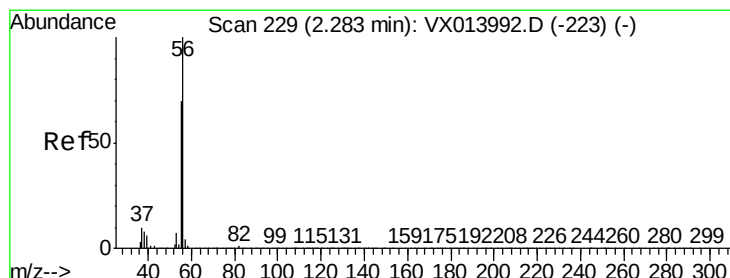
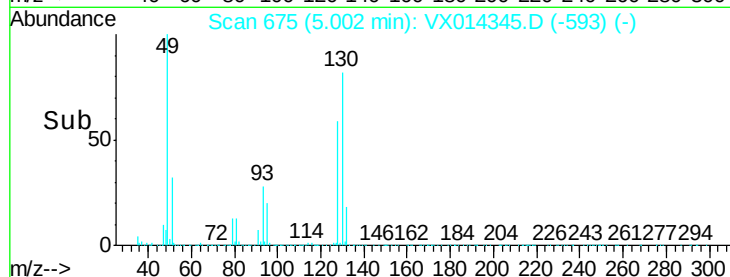
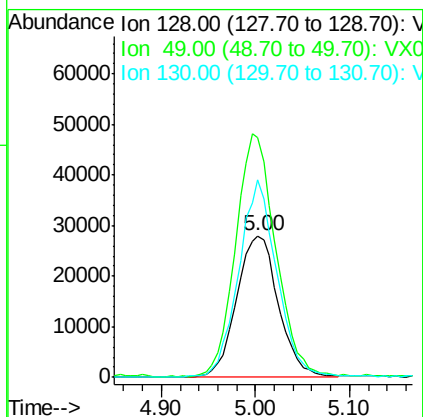
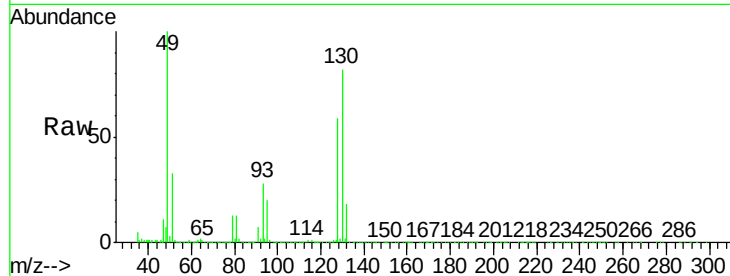




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

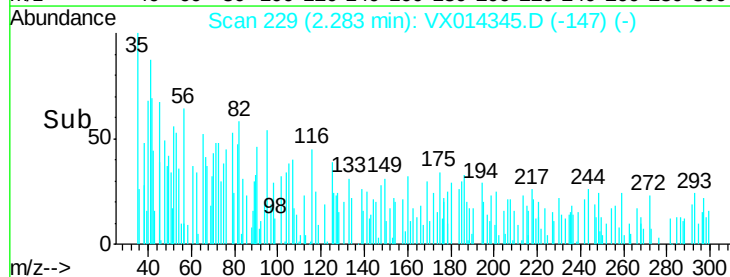
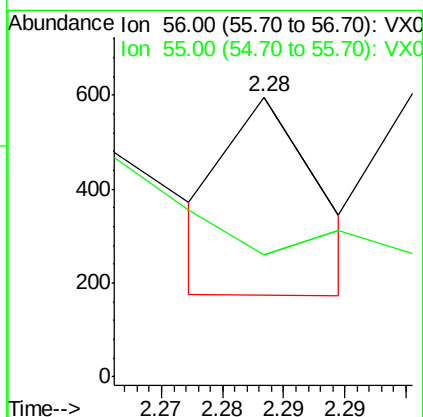
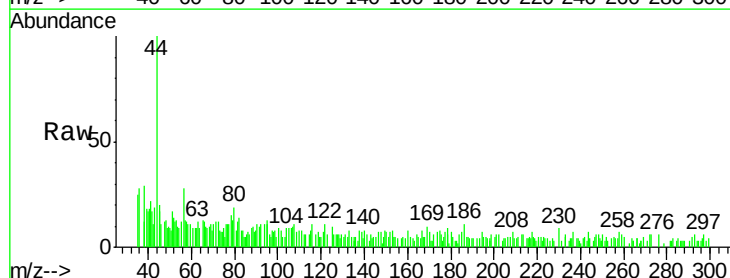
Instrument :
MSVOA_X
ClientSampleId :

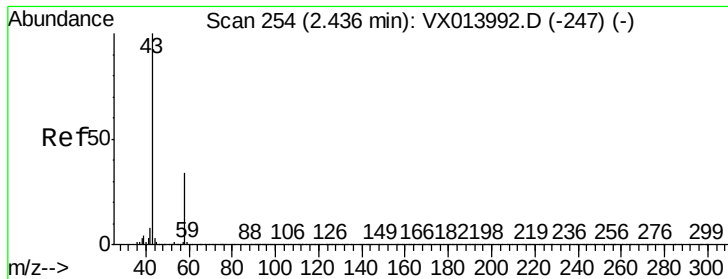
Tot Ion:128 Resp: 86313
Ion Ratio Lower Upper
128 100
49 164.8 0.0 405.0
130 128.9 0.0 321.5



#13
Acrolein
Concen: 0.239 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

Tgt Ion: 56 Resp: 217
Ion Ratio Lower Upper
56 100
55 182.9 54.9 82.3#





#15

Acetone

Concen: 3.594 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX014345.D

Acq: 30 Dec 2019 11:09

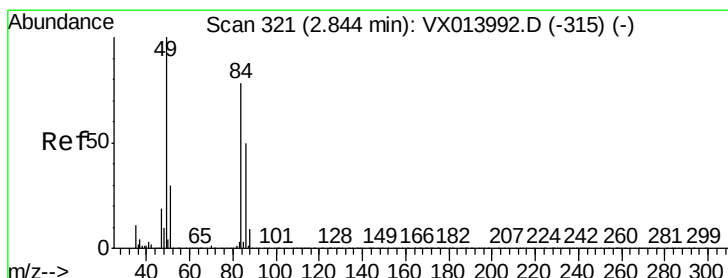
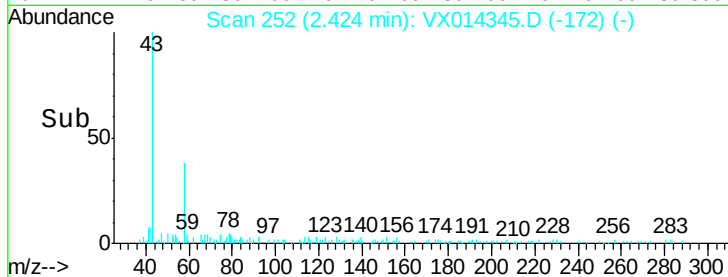
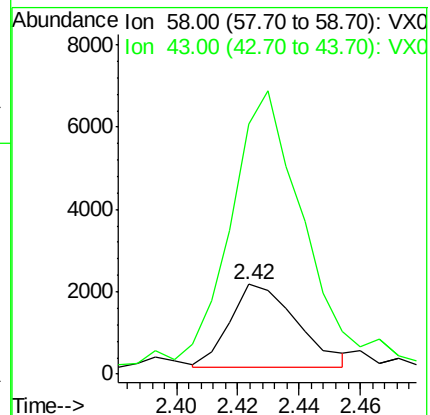
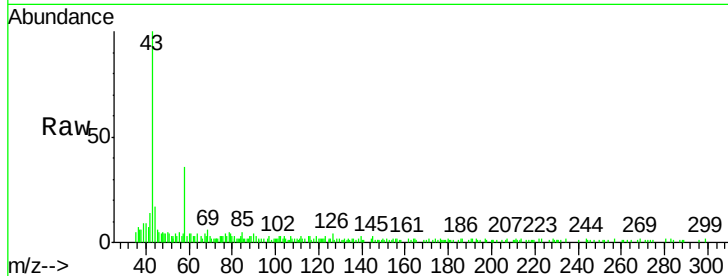
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 58 Resp: 3088

Ion Ratio Lower Upper

58 100

43 271.1 236.3 354.5



#18

Methylene Chloride

Concen: 0.232 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX014345.D

Acq: 30 Dec 2019 11:09

Tgt Ion: 84 Resp: 1374

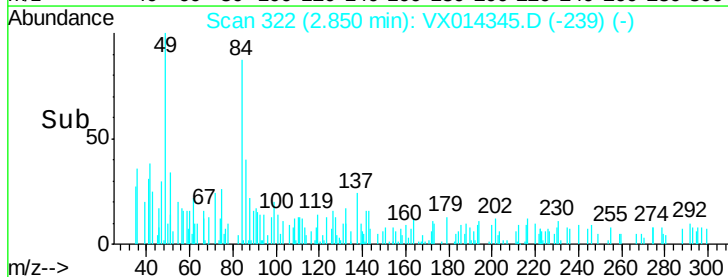
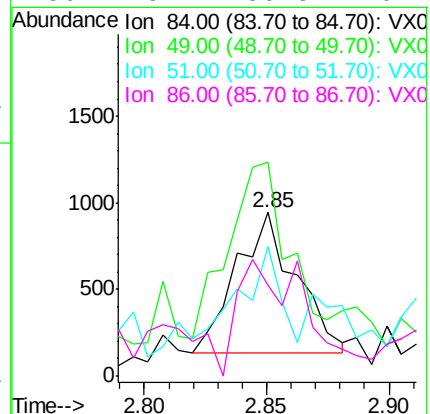
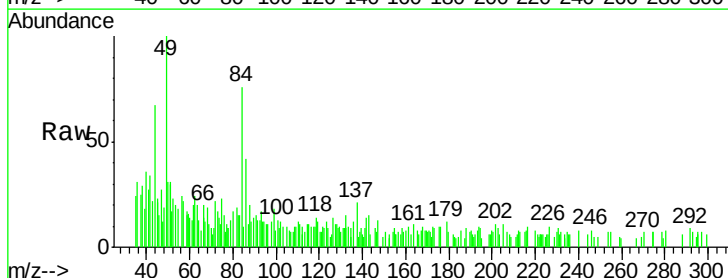
Ion Ratio Lower Upper

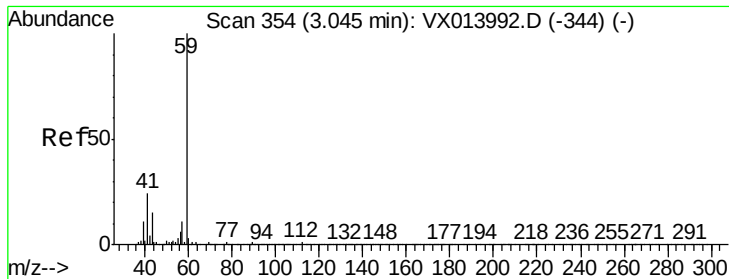
84 100

49 126.0 102.2 153.2

51 66.1 31.4 47.0#

86 45.4 50.8 76.2#



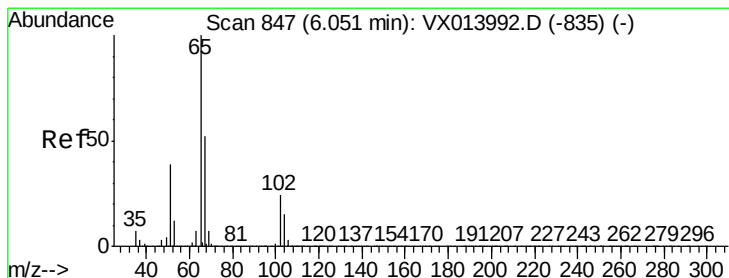
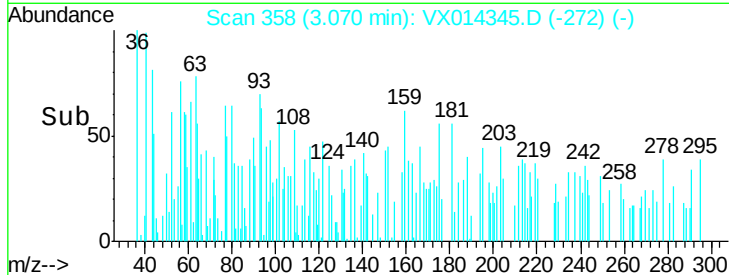
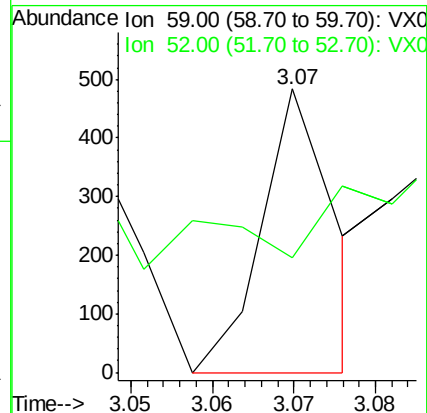
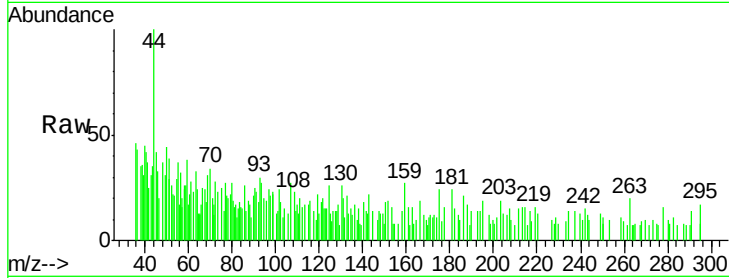


#23

tert-Butyl Alcohol
Concen: 0.261 ug/l
RT: 3.07 min Scan# 358
Delta R.T. 0.02 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

Instrument :
MSVOA_X
ClientSampled :

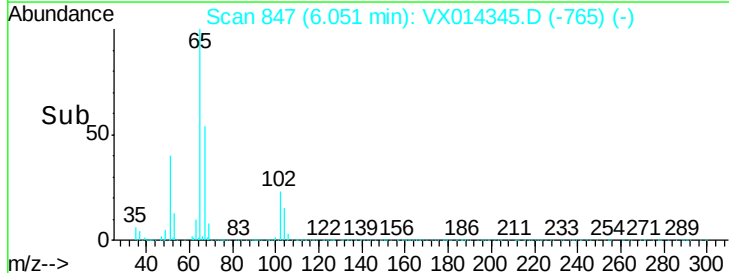
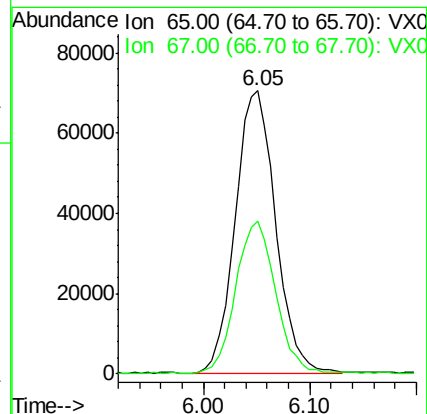
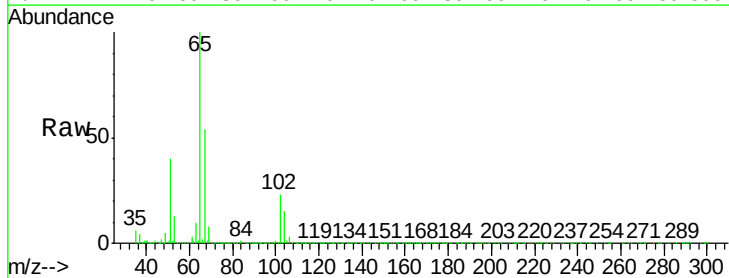
Tot Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
52 36.3 0.2 0.2#

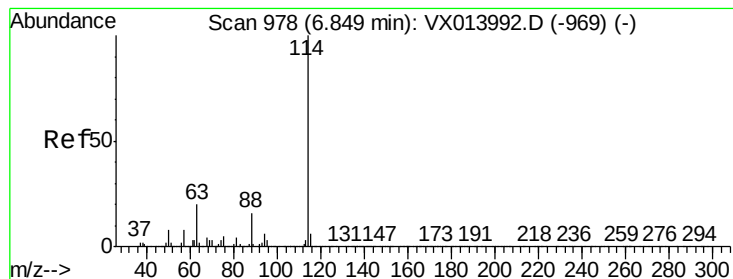


#27

1,2-Dichloroethane-d4
Concen: 30.393 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

Tgt Ion: 65 Resp: 187877
Ion Ratio Lower Upper
65 100
67 52.6 43.1 64.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014345.D

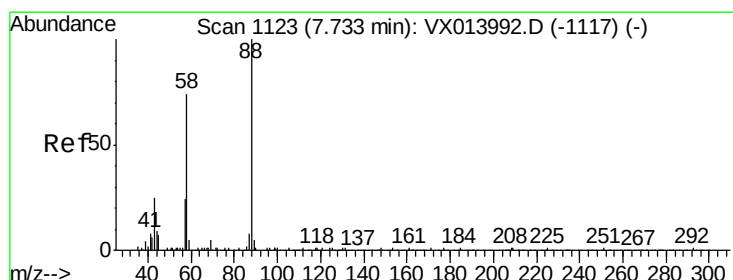
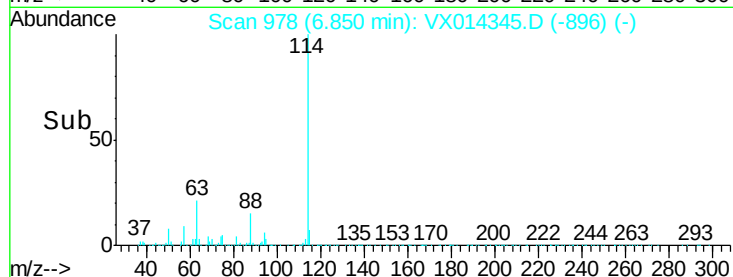
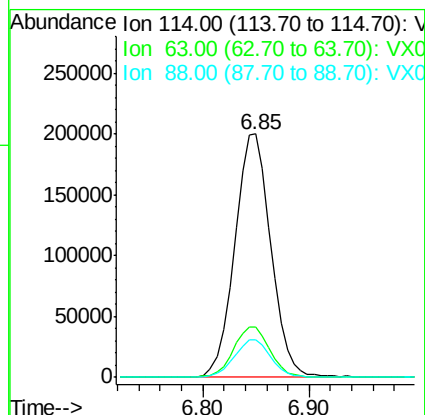
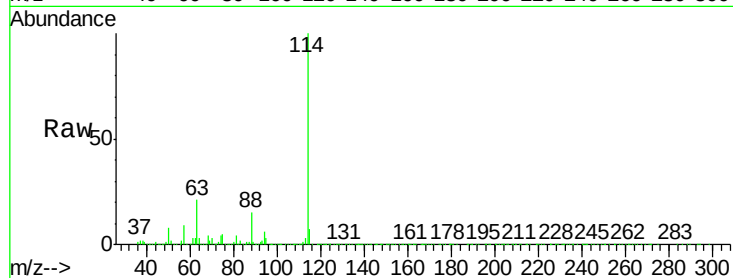
Acq: 30 Dec 2019 11:09

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	114	Resp:	474837
Ion	Ratio	Lower	Upper
114	100		
63	21.2	16.1	24.1
88	15.5	12.5	18.7



#45

1,4-Dioxane

Concen: 2.038 ug/l

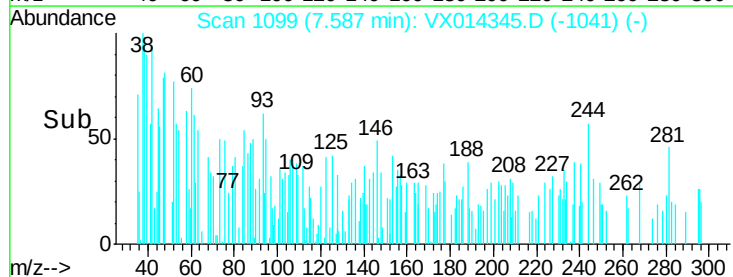
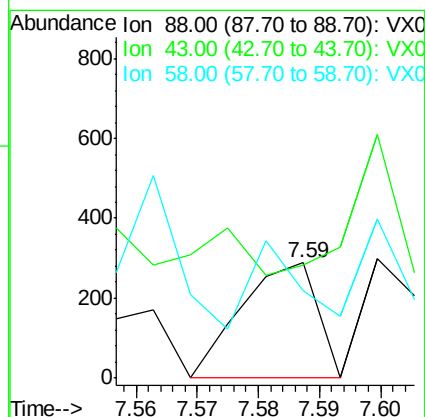
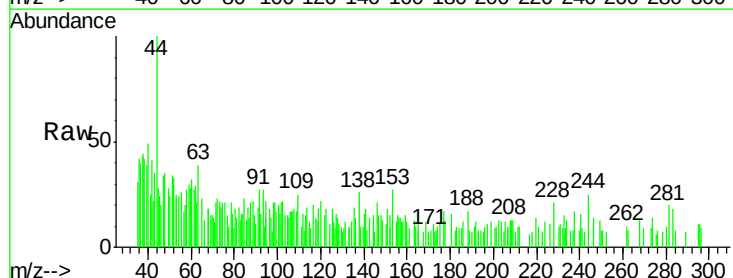
RT: 7.59 min Scan# 1099

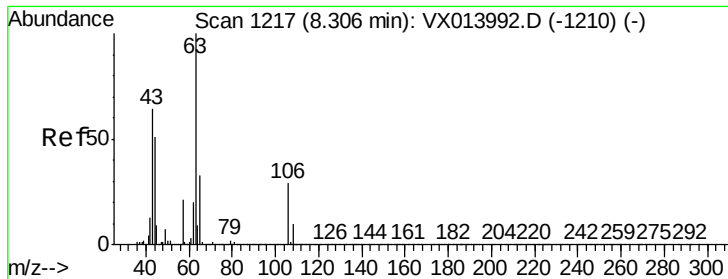
Delta R.T. -0.15 min

Lab File: VX014345.D

Acq: 30 Dec 2019 11:09

Tgt Ion:	88	Resp:	248
Ion	Ratio	Lower	Upper
88	100		
43	26.2	25.4	38.2
58	65.7	56.5	84.7

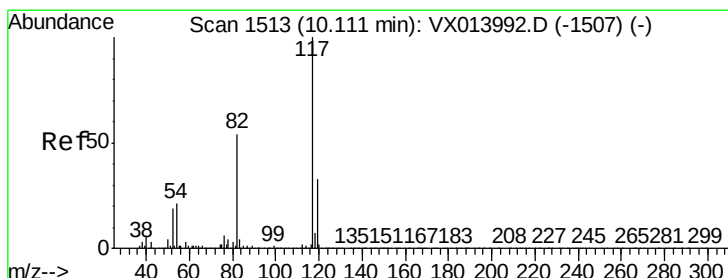
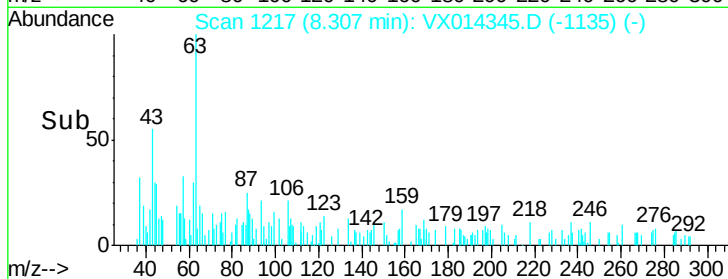
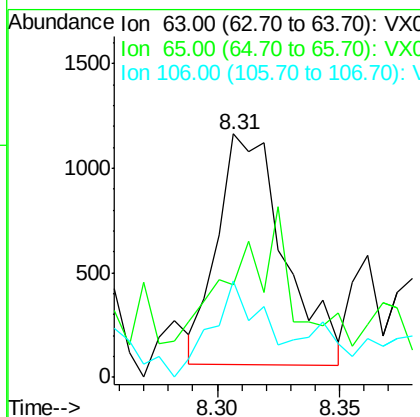
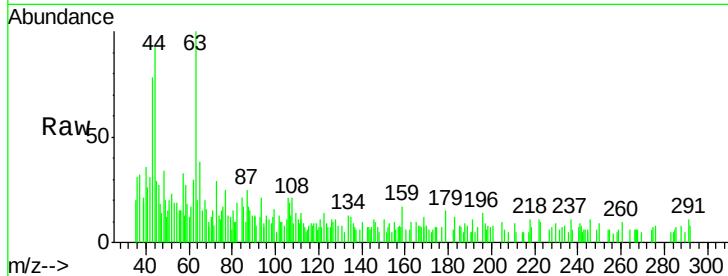




#55
2-Chloroethyl vinyl ether
Concen: 0.545 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

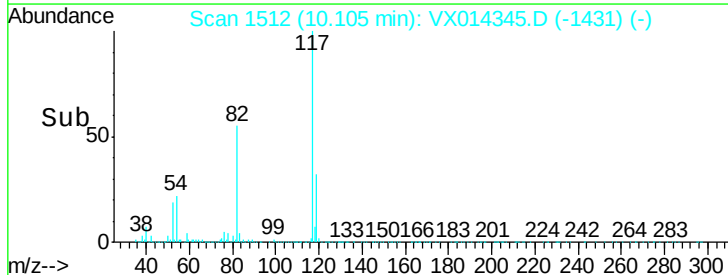
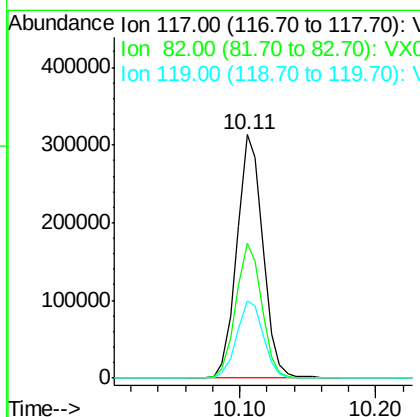
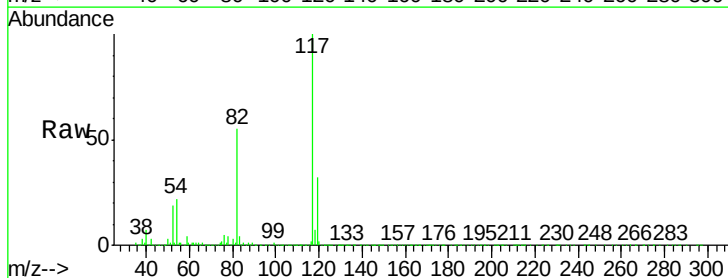
Instrument :
MSVOA_X
ClientSampleId :

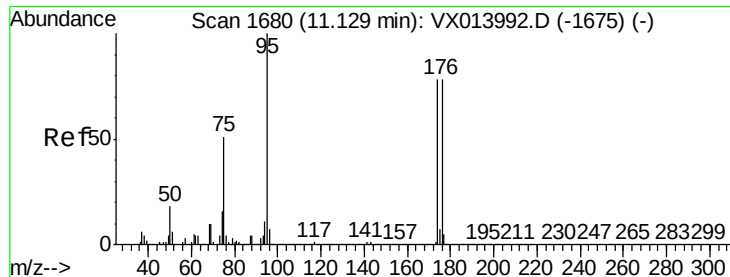
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.8	38.6
106	31.3	22.9	34.3



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.6
119	32.2	25.8	38.6

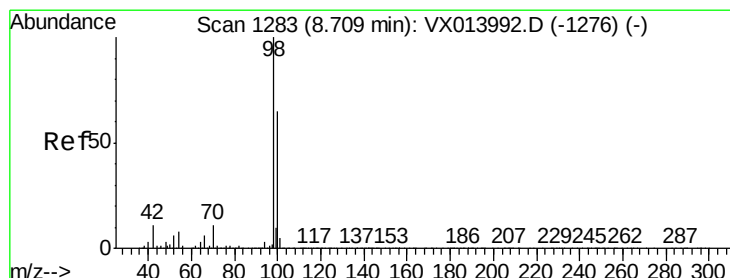
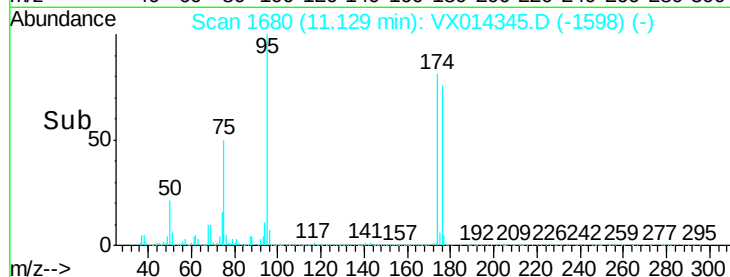
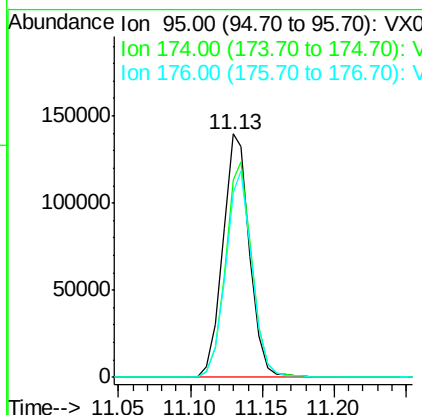
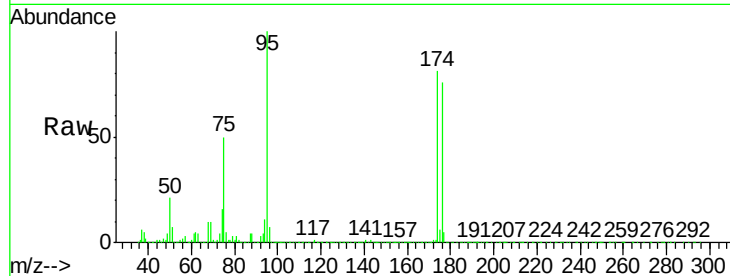




#60
4-Bromofluorobenzene
Concen: 27.107 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	87.4	70.2	105.2
176	83.8	68.3	102.5



#63
Toluene-d8
Concen: 30.604 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014345.D
Acq: 30 Dec 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.2

