

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010920\
 Data File : VX014496.D
 Acq On : 09 Jan 2020 14:02
 Operator : JC/SP
 Sample : L1041-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 14:37:40 2020
 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	5.01	128	80733	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	447539	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	394453	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	170922	29.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.53%
60) 4-Bromofluorobenzene	11.13	95	178571	28.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.43%
63) Toluene-d8	8.71	98	531075	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

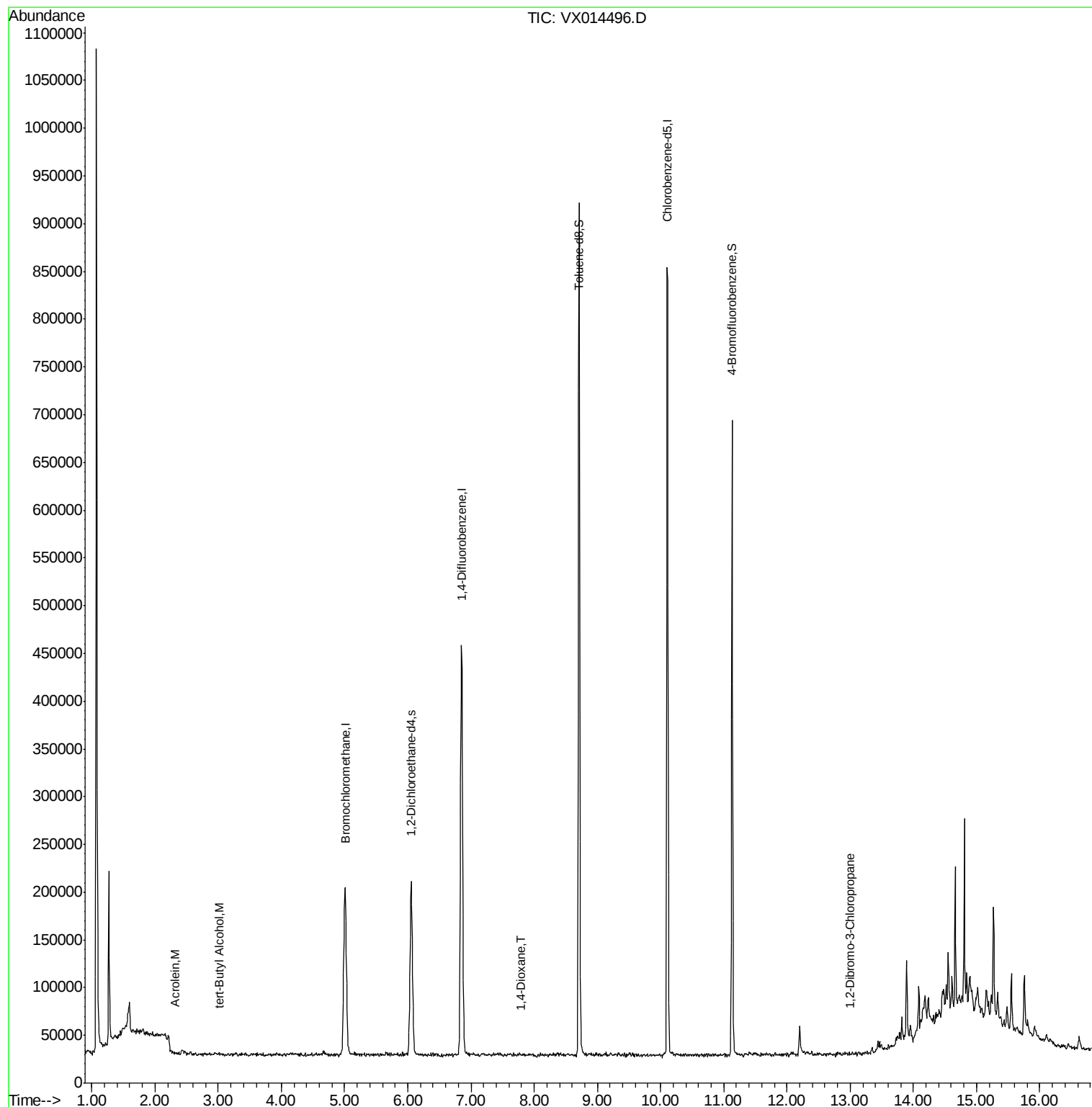
					Ovalue	
13) Acrolein	2.32	56	182	0.214	ug/l	91
23) tert-Butyl Alcohol	3.01	59	491	0.458	ug/l #	79
45) 1,4-Dioxane	7.79	88	274	2.389	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.99	75	327	0.206	ug/l #	47

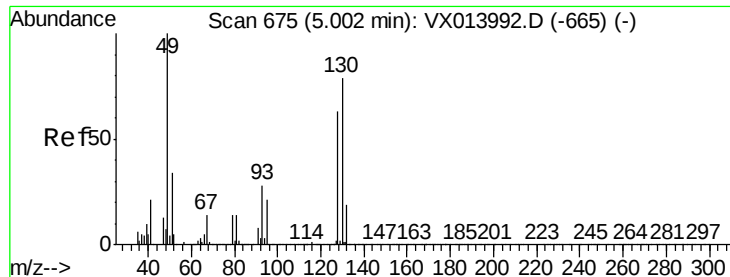
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014496.D

Acq: 09 Jan 2020 14:02

Instrument :

MSVOA_X

ClientSampleId :

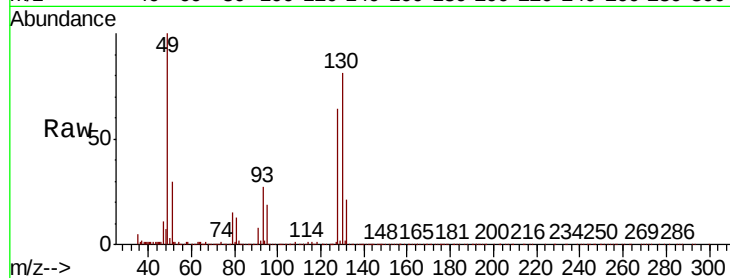
Tot Ion:128 Resp: 80733

Ion Ratio Lower Upper

128 100

49 156.9 0.0 405.0

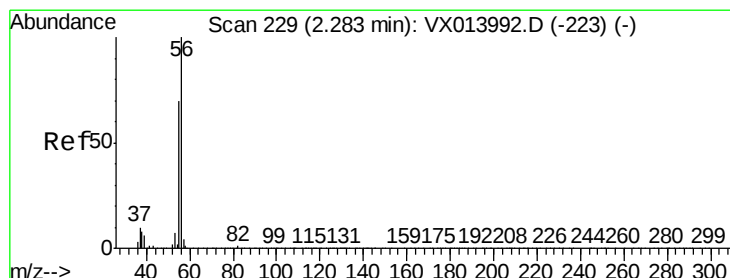
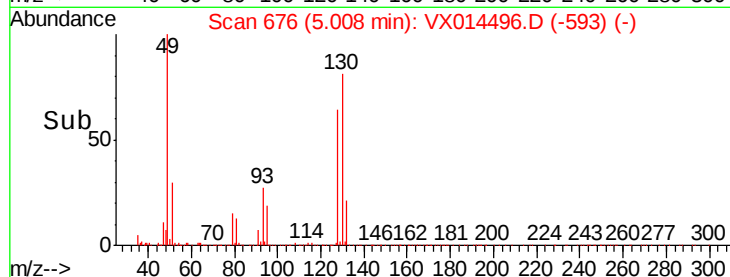
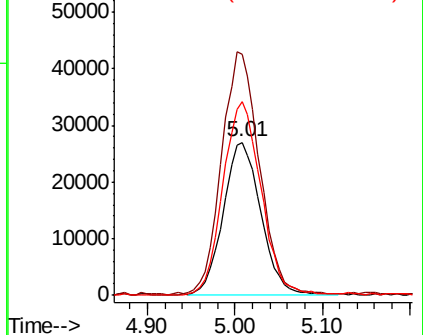
130 127.0 0.0 321.5



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



#13

Acrolein

Concen: 0.214 ug/l

RT: 2.32 min Scan# 235

Delta R.T. 0.04 min

Lab File: VX014496.D

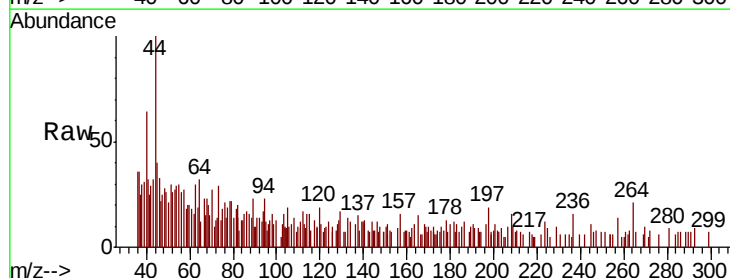
Acq: 09 Jan 2020 14:02

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

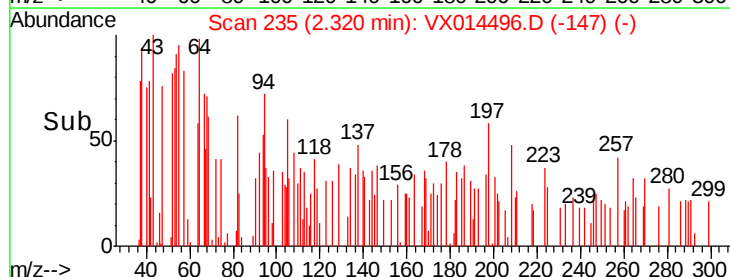
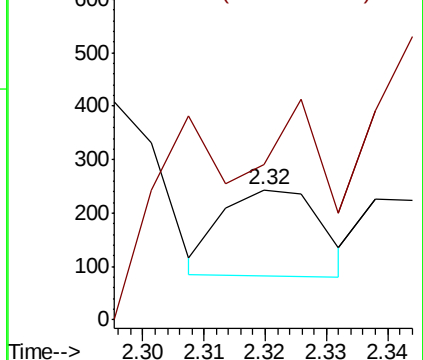
56 100

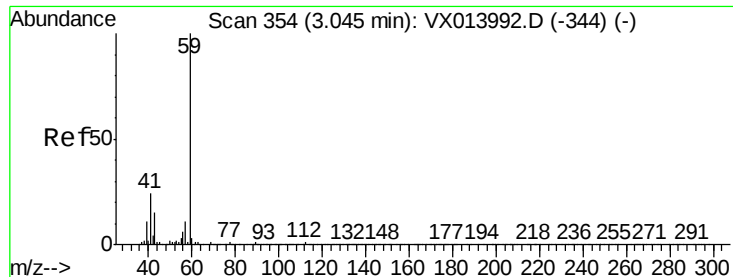
55 61.0 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



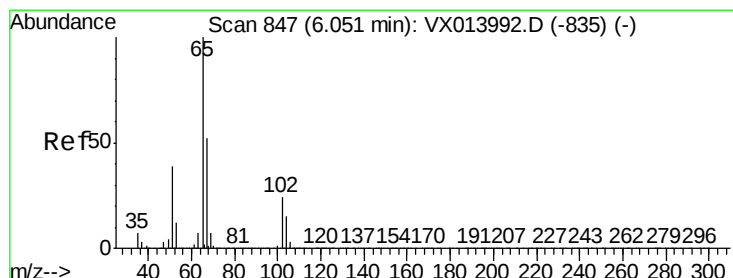
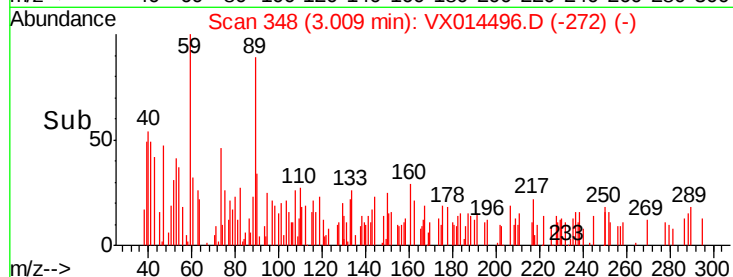
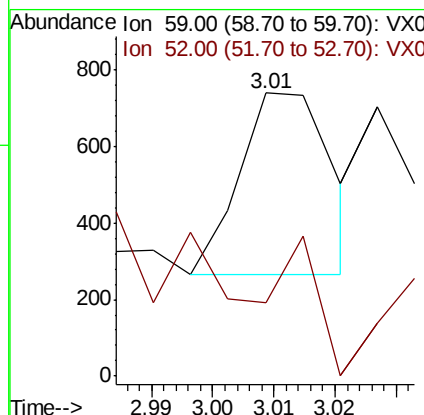
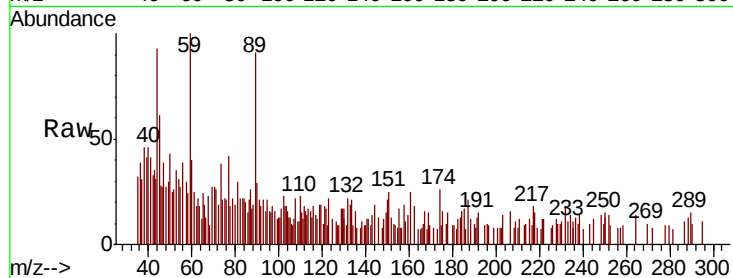


#23

tert-Butyl Alcohol
Concen: 0.458 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.04 min
Lab File: VX014496.D
Acq: 09 Jan 2020 14:02

Instrument :
MSVOA_X
ClientSampled :

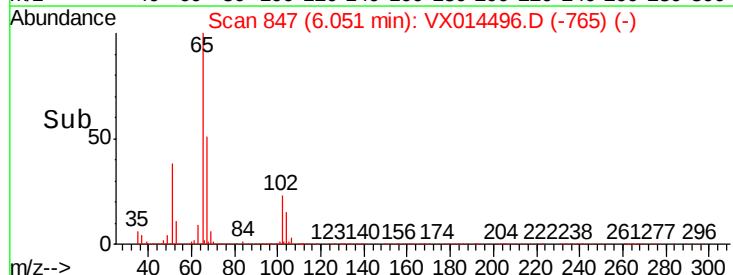
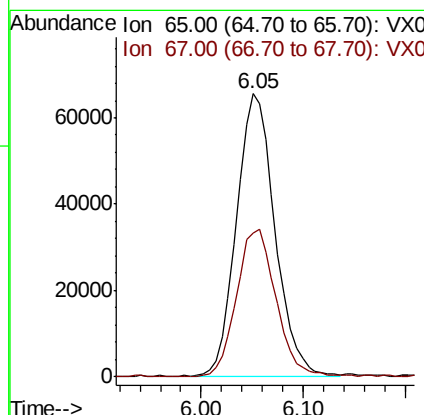
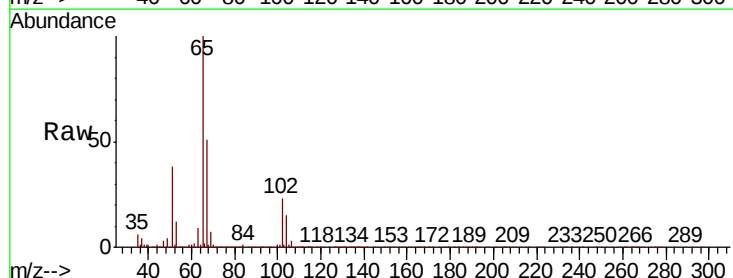
Tot Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
52 27.3 0.2 0.2#

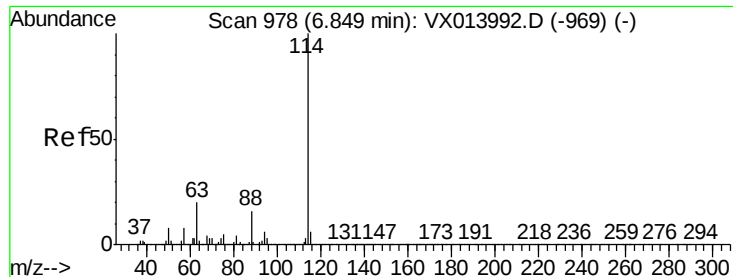


#27

1,2-Dichloroethane-d4
Concen: 29.562 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX014496.D
Acq: 09 Jan 2020 14:02

Tgt Ion: 65 Resp: 170922
Ion Ratio Lower Upper
65 100
67 52.5 43.1 64.7

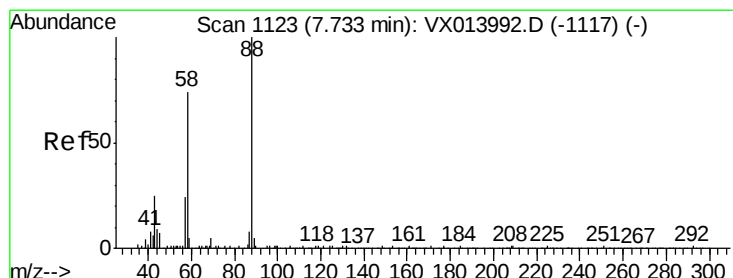
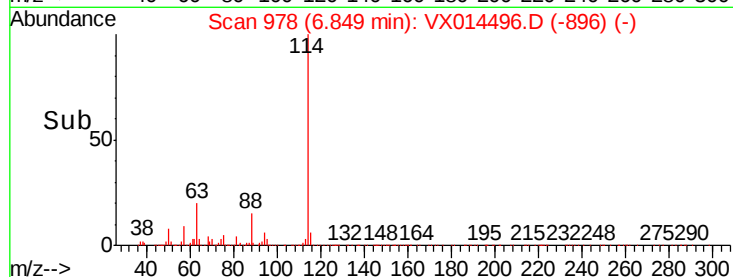
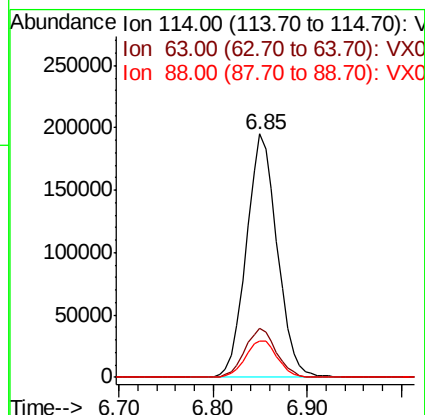
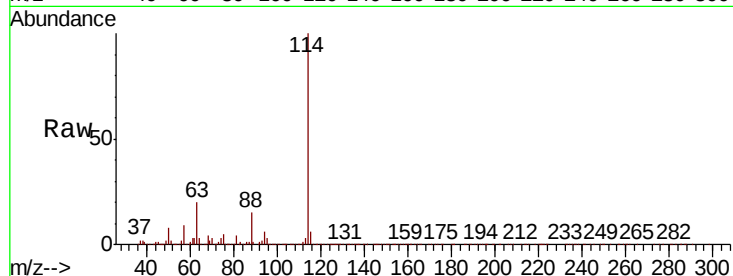




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX014496.D
Acq: 09 Jan 2020 14:02

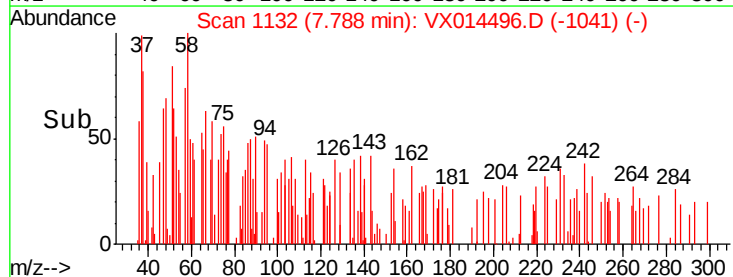
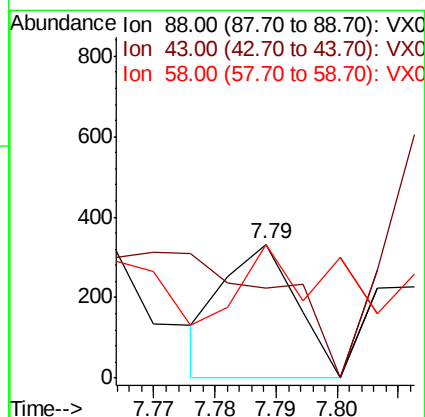
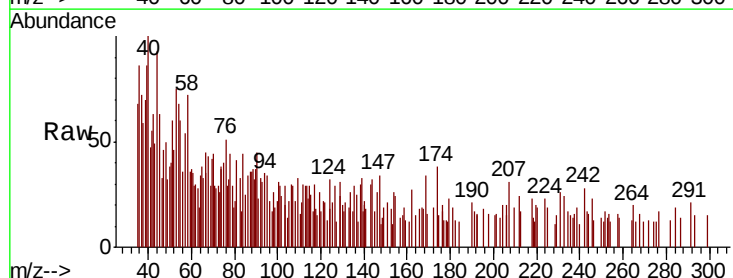
Instrument :
MSVOA_X
ClientSampleId :

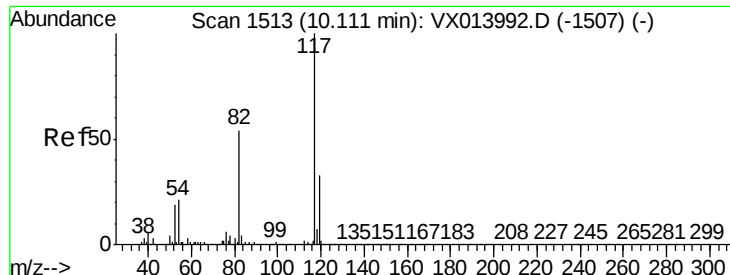
Tot Ion:114 Resp: 447539
Ion Ratio Lower Upper
114 100
63 20.2 16.1 24.1
88 15.7 12.5 18.7



#45
1,4-Dioxane
Concen: 2.389 ug/l
RT: 7.79 min Scan# 1132
Delta R.T. 0.05 min
Lab File: VX014496.D
Acq: 09 Jan 2020 14:02

Tgt Ion: 88 Resp: 274
Ion Ratio Lower Upper
88 100
43 31.0 25.4 38.2
58 67.2 56.5 84.7

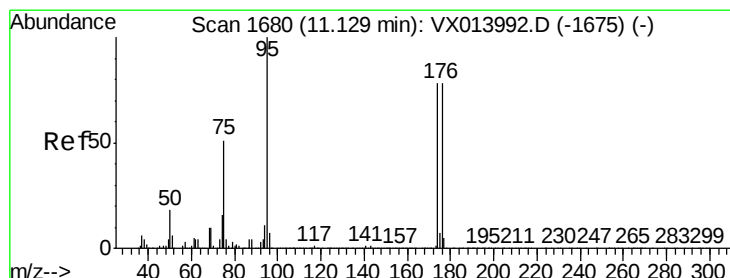
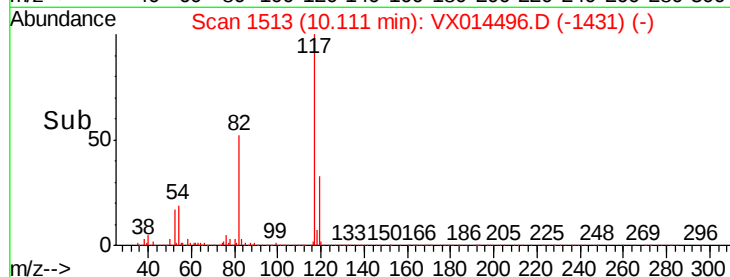
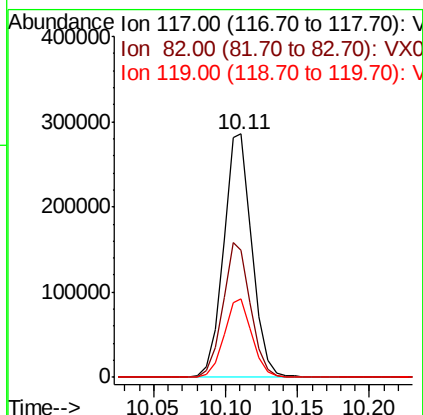
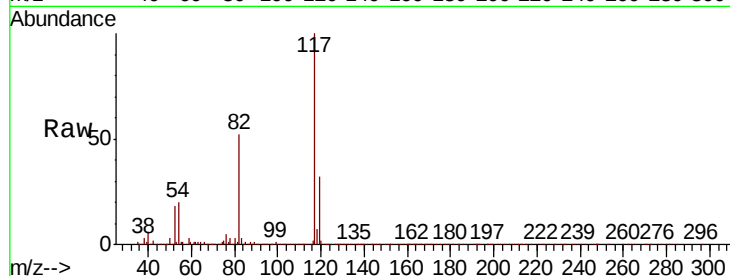




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014496.D
Acq: 09 Jan 2020 14:02

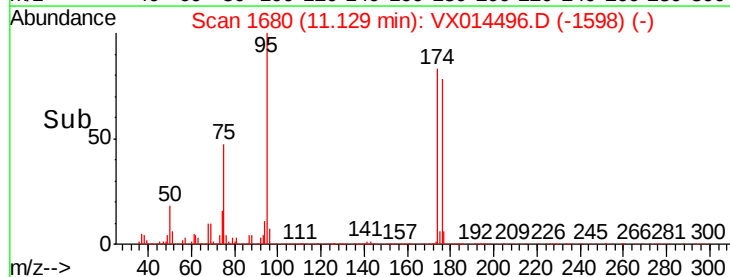
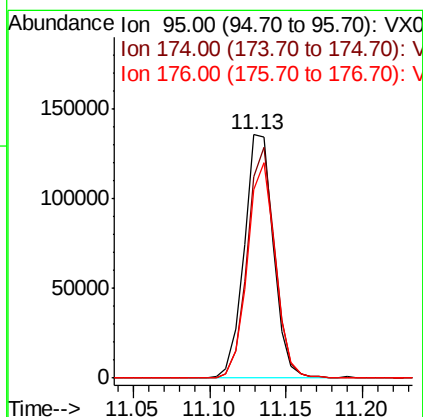
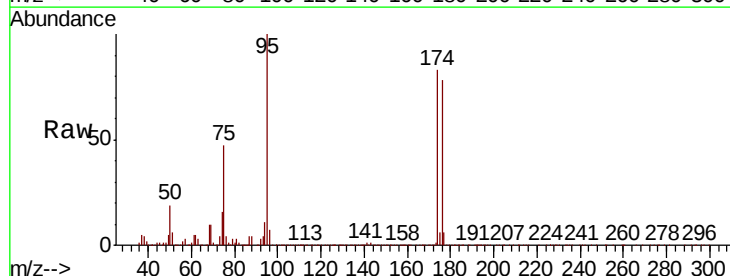
Instrument :
MSVOA_X
ClientSampleId :

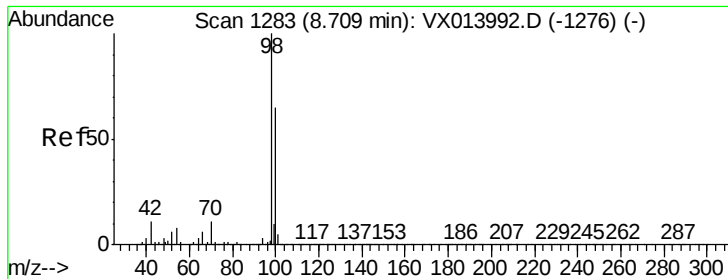
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.8	65.6
119	31.8	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 28.035 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX014496.D
Acq: 09 Jan 2020 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	70.2	105.2
176	85.8	68.3	102.5





#63

Toluene-d8

Concen: 30.121 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014496.D

Acq: 09 Jan 2020 14:02

Instrument :

MSVOA_X

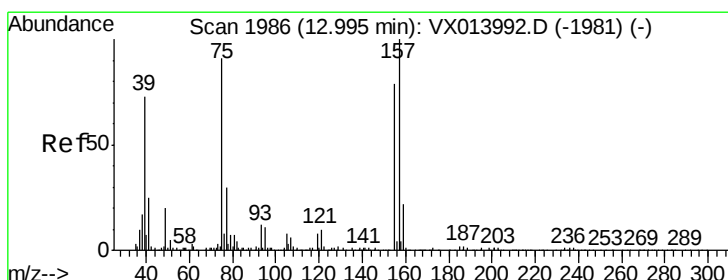
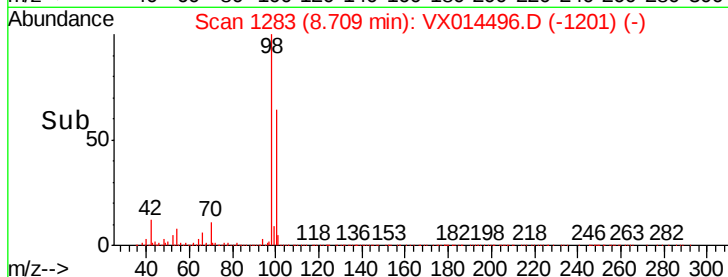
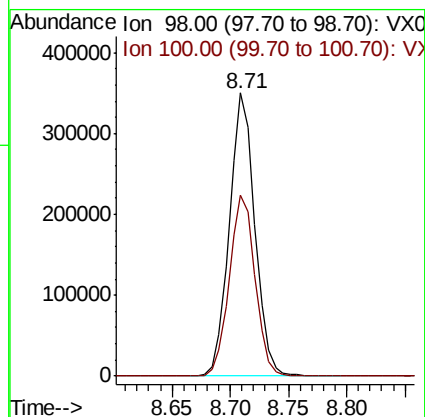
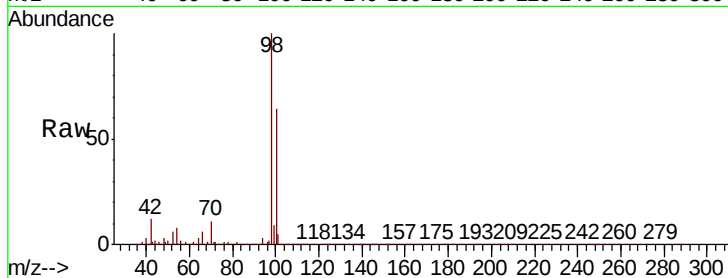
ClientSampleId :

Tot Ion: 98 Resp: 531075

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#88

1,2-Dibromo-3-Chloropropane

Concen: 0.206 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX014496.D

Acq: 09 Jan 2020 14:02

Tgt Ion: 75 Resp: 327

Ion Ratio Lower Upper

75 100

155 34.9 73.8 110.6#

157 66.4 95.0 142.4#

