

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013431.D
 Acq On : 14 Nov 2019 19:17
 Operator : JC/SP
 Sample : K5859-04 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 15 00:59:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	114564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	622023	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	540933	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	245156	28.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.60%
60) 4-Bromofluorobenzene	11.13	95	241961	27.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.77%
63) Toluene-d8	8.71	98	740626	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

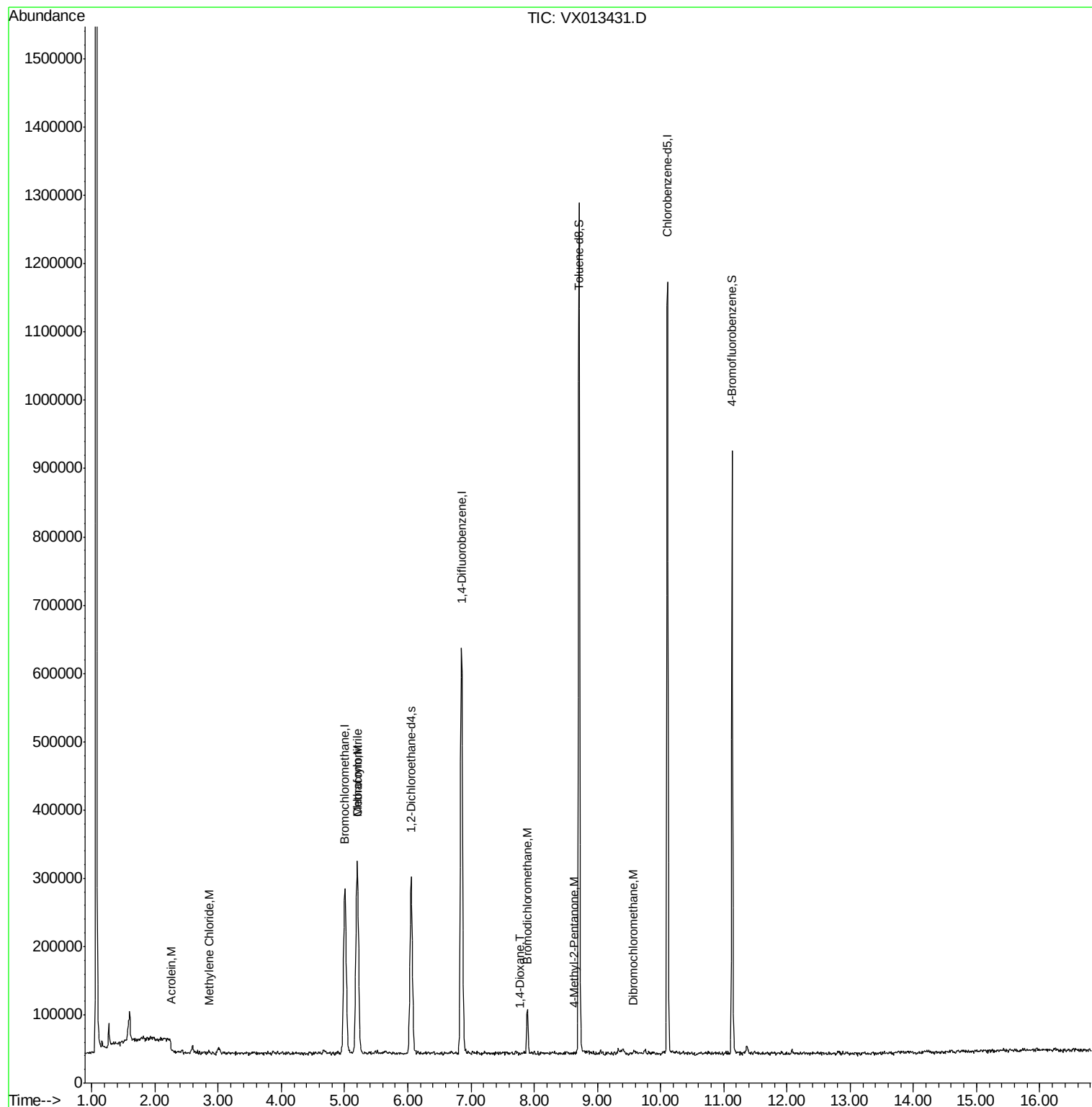
					Ovalue
13) Acrolein	2.26	56	312	0.237 ug/l	86
18) Methylene Chloride	2.84	84	2533	0.316 ug/l #	58
25) Chloroform	5.20	83	337436	25.248 ug/l	99
35) Methacrylonitrile	5.21	41	1436	0.229 ug/l	76
41) Bromodichloromethane	7.89	83	43390	4.482 ug/l #	96
45) 1,4-Dioxane	7.77	88	258	1.271 ug/l	91
53) Dibromochloromethane	9.58	129	2963	0.381 ug/l	92
58) 4-Methyl-2-Pentanone	8.63	43	2972	0.263 ug/l #	59

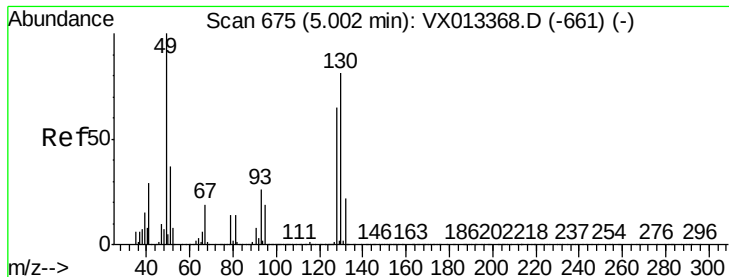
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013431.D

Acq: 14 Nov 2019 19:17

Instrument :
MSVOA_X
ClientSampleId :

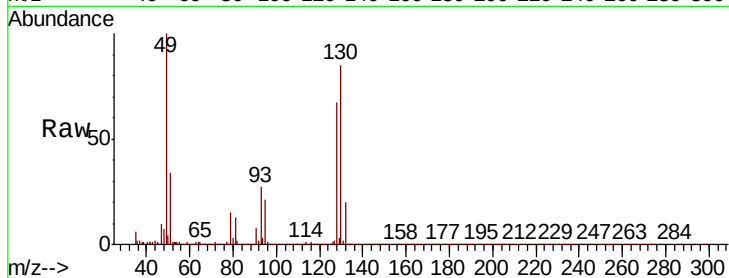
Tot Ion:128 Resp: 114564

Ion Ratio Lower Upper

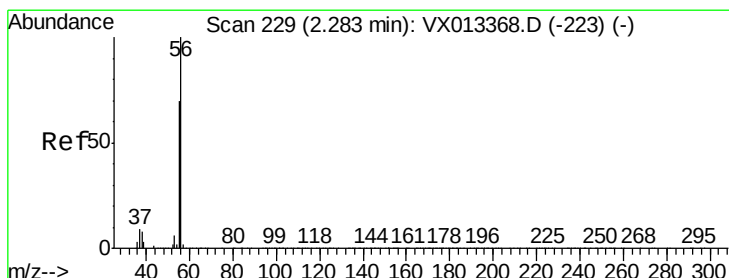
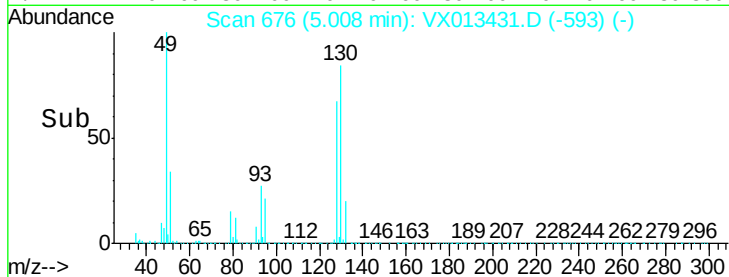
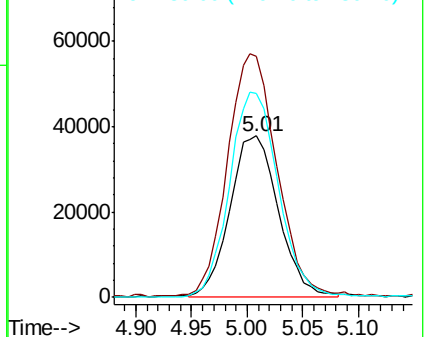
128 100

49 152.5 0.0 388.3

130 127.5 0.0 318.5



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: 0.237 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX013431.D

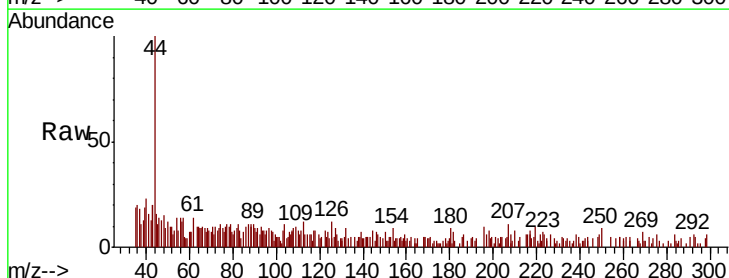
Acq: 14 Nov 2019 19:17

Tgt Ion: 56 Resp: 312

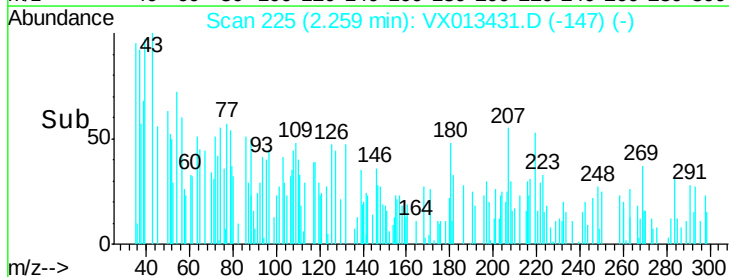
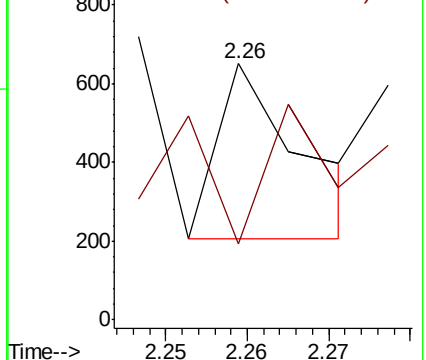
Ion Ratio Lower Upper

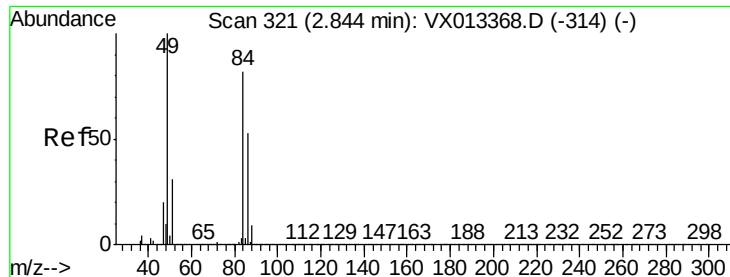
56 100

55 58.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

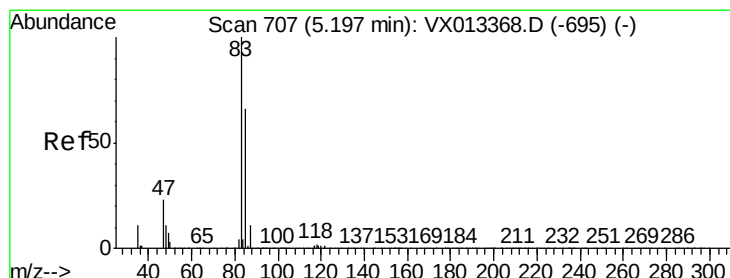
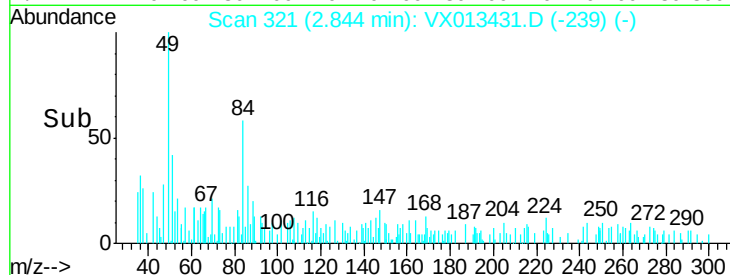
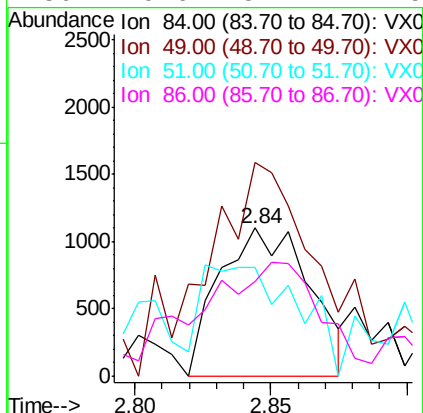
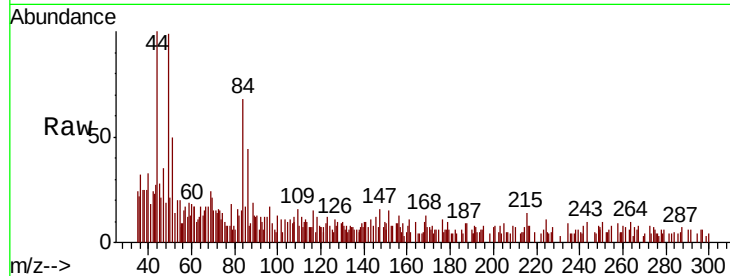




#18
Methylene Chloride
Concen: 0.316 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

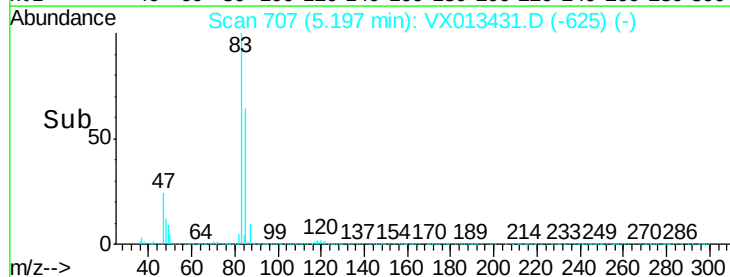
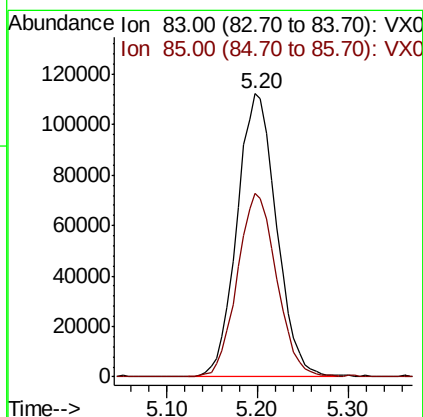
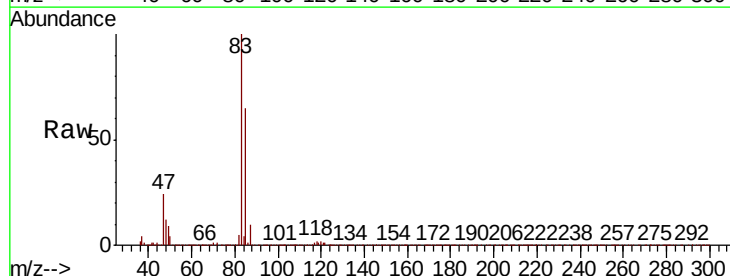
Instrument :
MSVOA_X
ClientSampled :

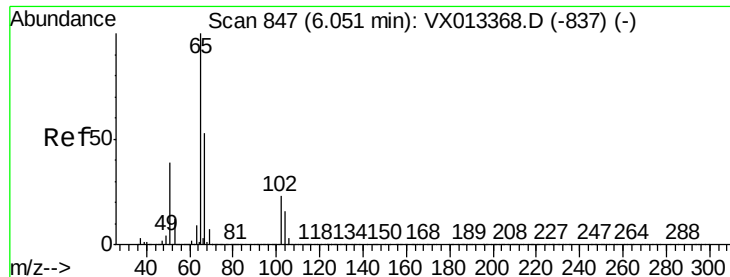
Tot Ion: 84 Resp: 2533
Ion Ratio Lower Upper
84 100
49 82.1 96.8 145.2#
51 74.0 30.0 45.0#
86 29.6 51.7 77.5#



#25
Chloroform
Concen: 25.248 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion: 83 Resp: 337436
Ion Ratio Lower Upper
83 100
85 64.5 52.4 78.6



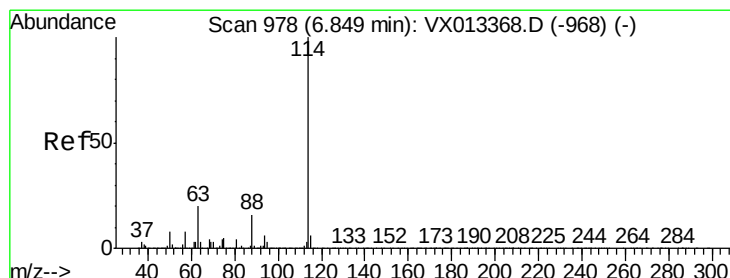
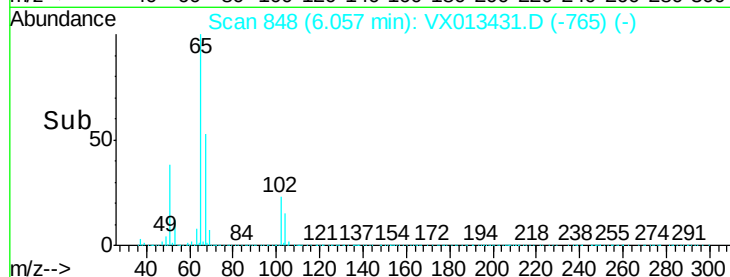
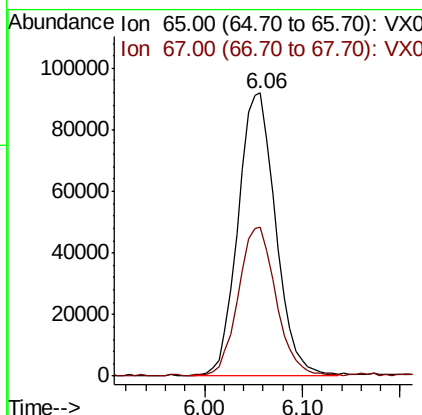
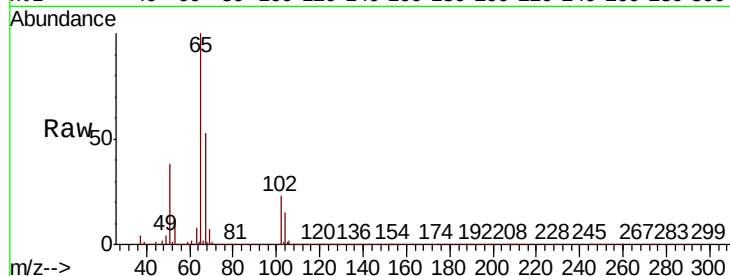


#27

1,2-Dichloroethane-d4
Concen: 28.980 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Instrument :
MSVOA_X
ClientSampled :

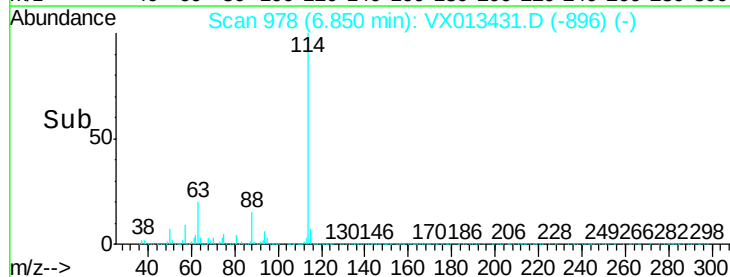
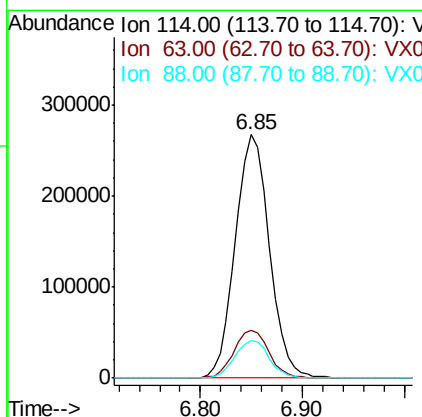
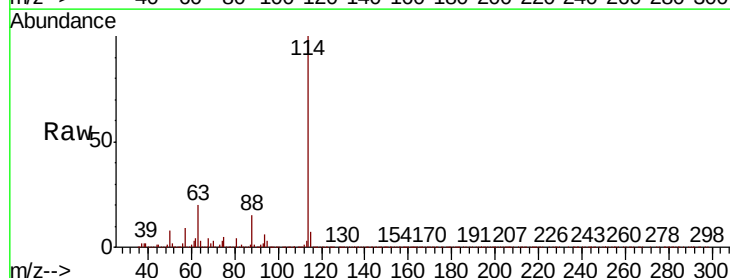
Tot Ion: 65 Resp: 245156
Ion Ratio Lower Upper
65 100
67 52.5 41.0 61.6

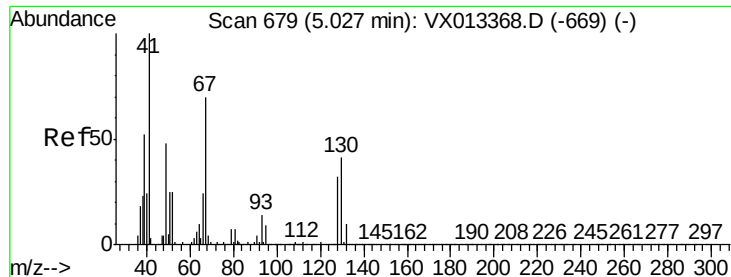


#28

1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion: 114 Resp: 622023
Ion Ratio Lower Upper
114 100
63 20.2 16.1 24.1
88 15.7 12.3 18.5

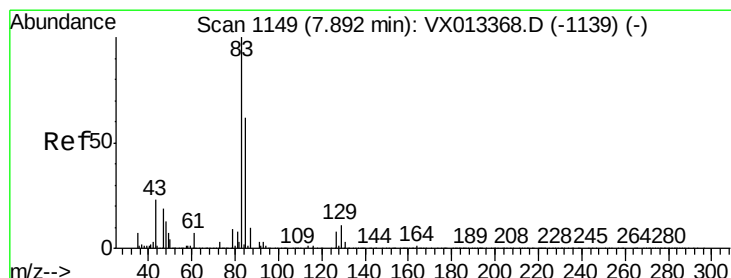
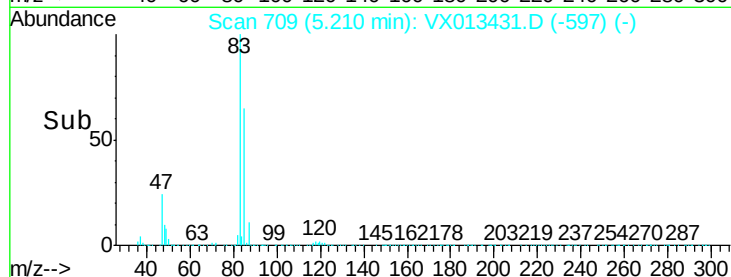
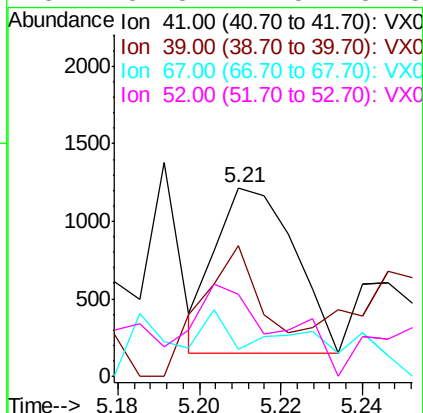
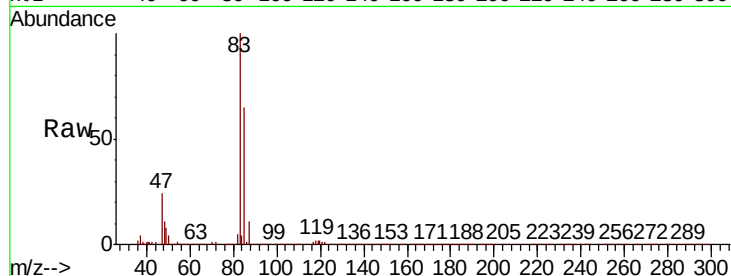




#35
Methacrylonitrile
Concen: 0.229 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.18 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

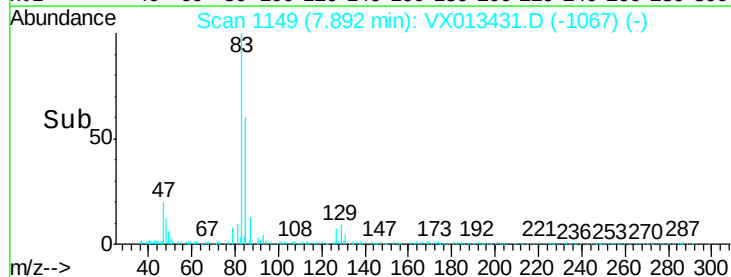
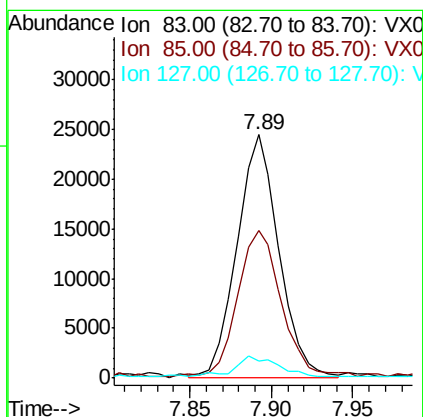
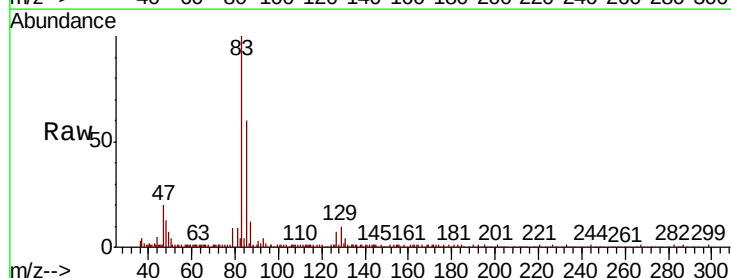
Instrument :
MSVOA_X
ClientSampleId :

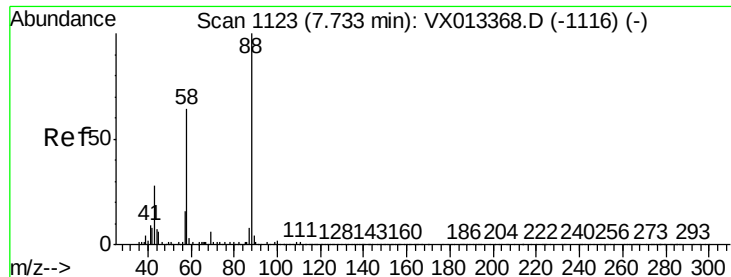
Tot Ion:	41	Resp:	1436
Ion	Ratio	Lower	Upper
41	100		
39	54.7	25.9	77.8
67	35.6	35.1	105.5
52	31.3	12.5	37.5



#41
Bromodichloromethane
Concen: 4.482 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion:	83	Resp:	43390
Ion	Ratio	Lower	Upper
83	100		
85	59.1	49.3	73.9
127	6.4	6.6	10.0#

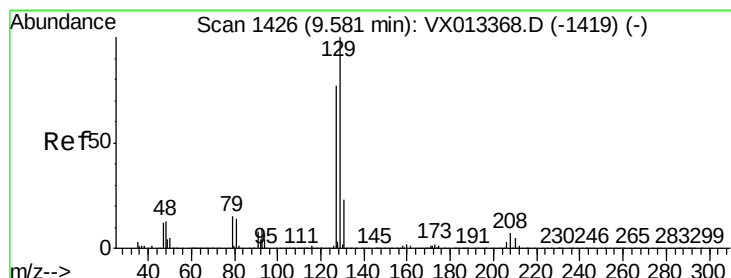
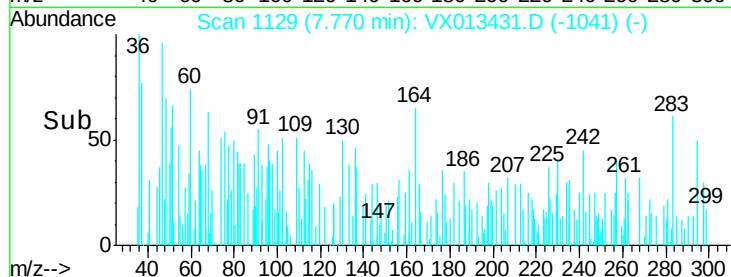
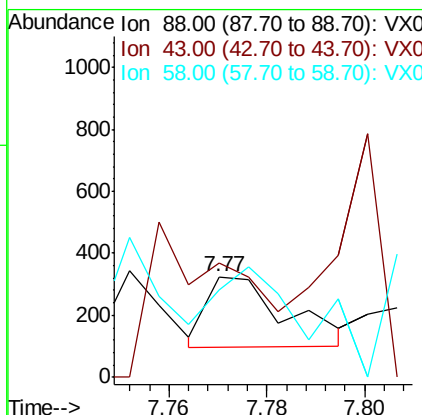
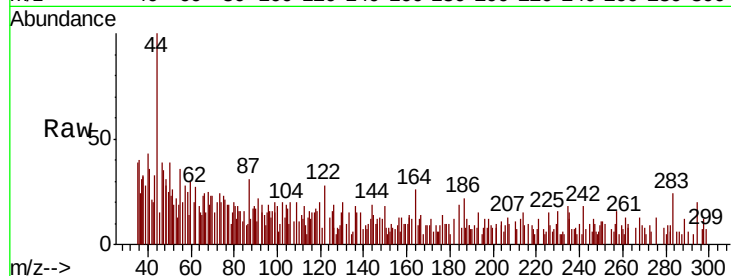




#45
1,4-Dioxane
Concen: 1.271 ug/l
RT: 7.77 min Scan# 1129
Delta R.T. 0.04 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

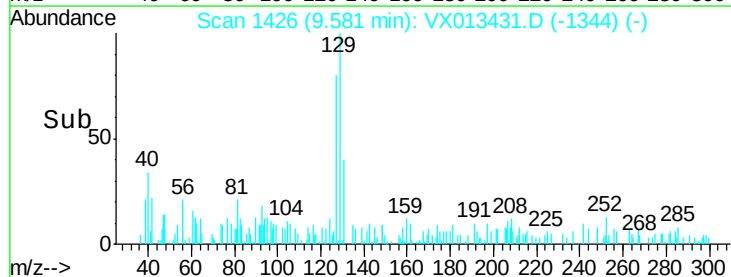
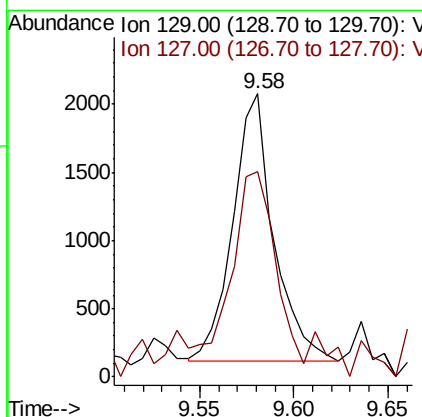
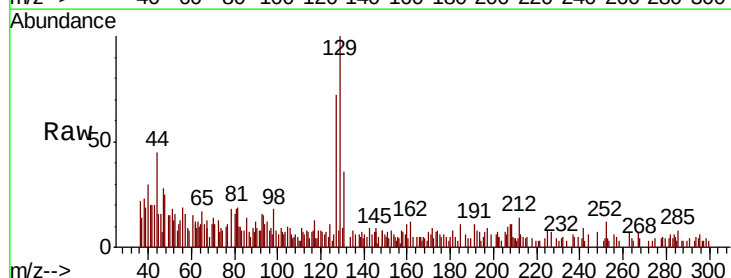
Instrument :
MSVOA_X
ClientSampled :

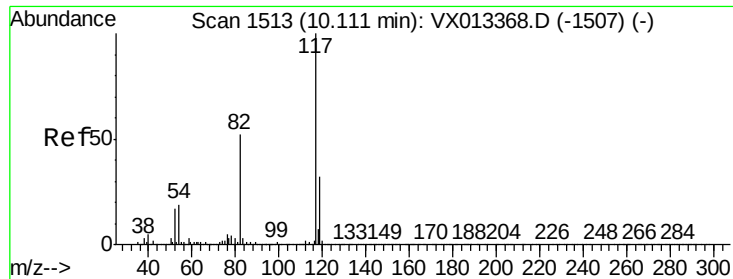
Tot Ion: 88 Resp: 258
Ion Ratio Lower Upper
88 100
43 38.0 26.1 39.1
58 77.5 55.8 83.8



#53
Dibromochloromethane
Concen: 0.381 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion: 129 Resp: 2963
Ion Ratio Lower Upper
129 100
127 72.2 39.6 119.0

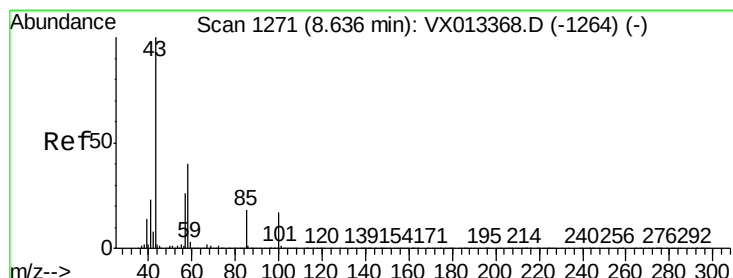
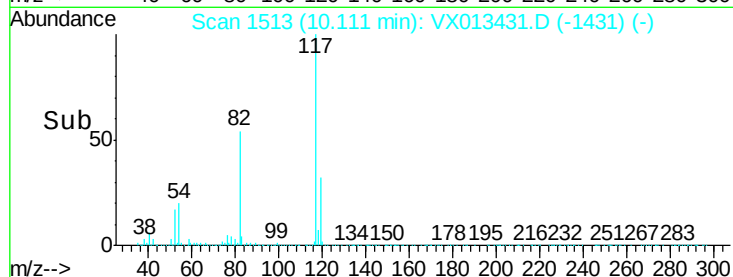
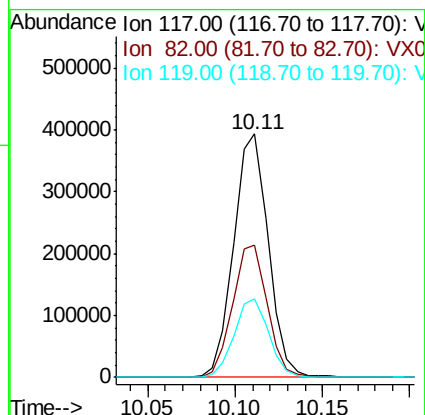
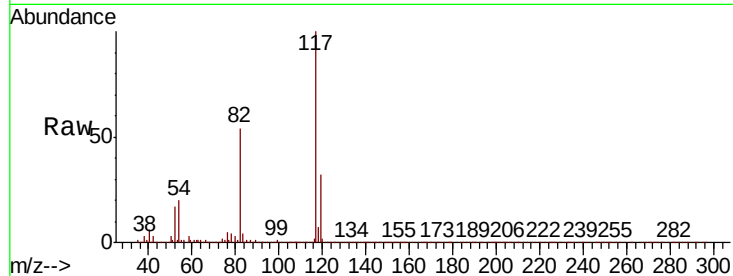




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

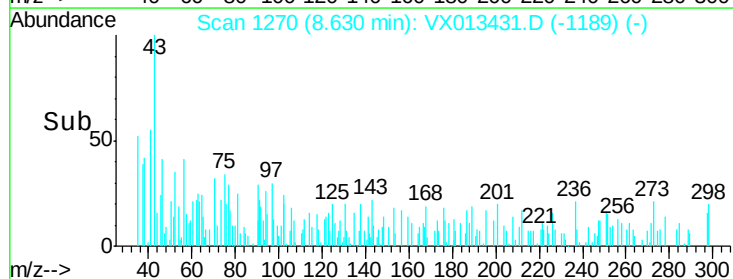
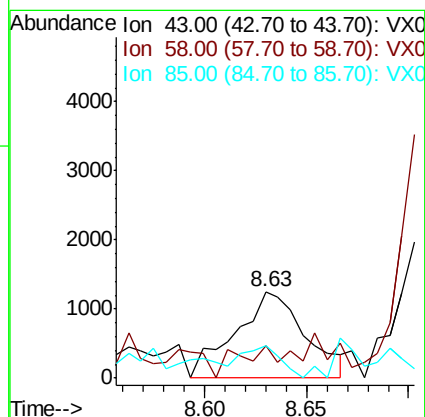
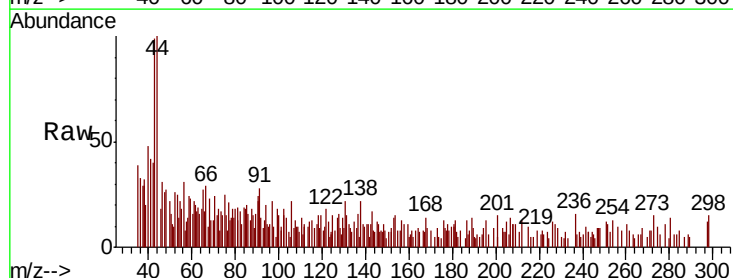
Instrument :
MSVOA_X
ClientSampleId :

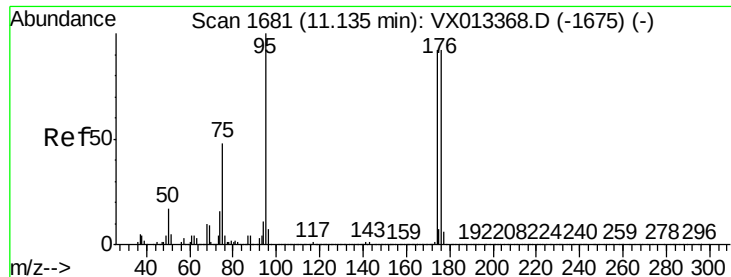
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.7	65.5
119	32.6	25.5	38.3



#58
4-Methyl-2-Pentanone
Concen: 0.263 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	5.3	31.6	47.4#
85	20.6	14.2	21.2

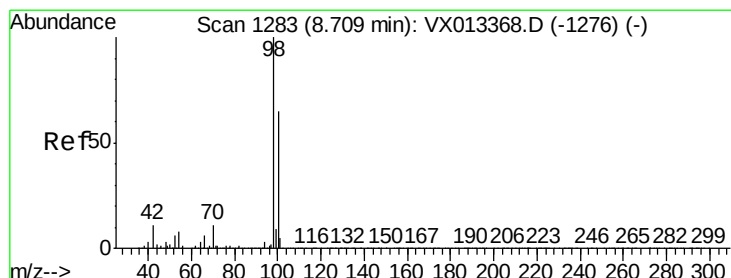
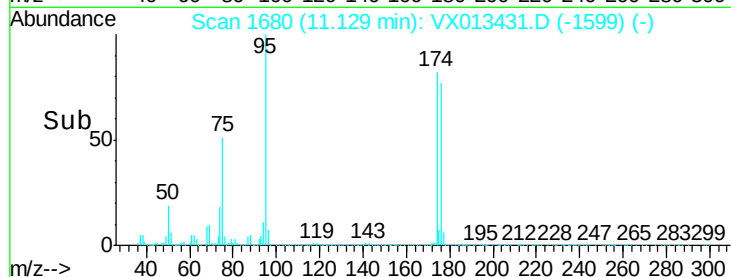
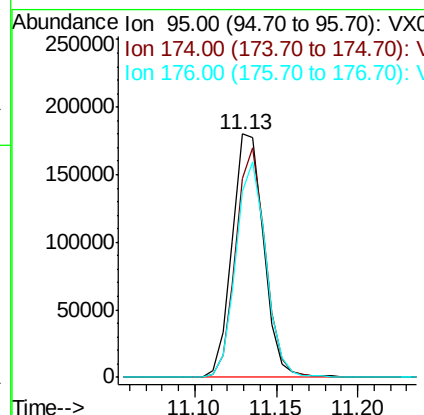
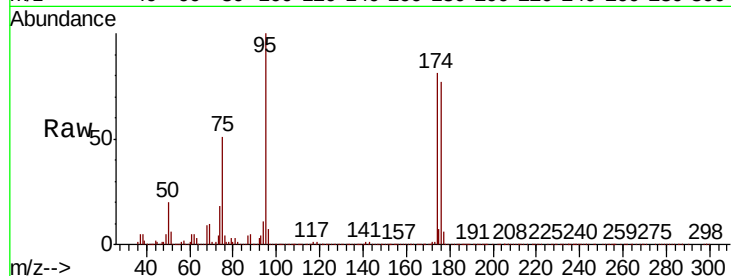




#60
4-Bromofluorobenzene
Concen: 27.830 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.8	70.2	105.2
176	84.7	68.3	102.5



#63
Toluene-d8
Concen: 30.278 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013431.D
Acq: 14 Nov 2019 19:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7

