

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN041619\
 Data File : VN055076.D
 Acq On : 16 Apr 2019 14:14
 Operator : JC/SP
 Sample : K2256-09RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CLEARWELLRE

Quant Time: Apr 17 04:29:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	64174	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	353676	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	304663	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	153301	31.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.47%
60) 4-Bromofluorobenzene	12.40	95	126150	26.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.67%
63) Toluene-d8	10.09	98	433421	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

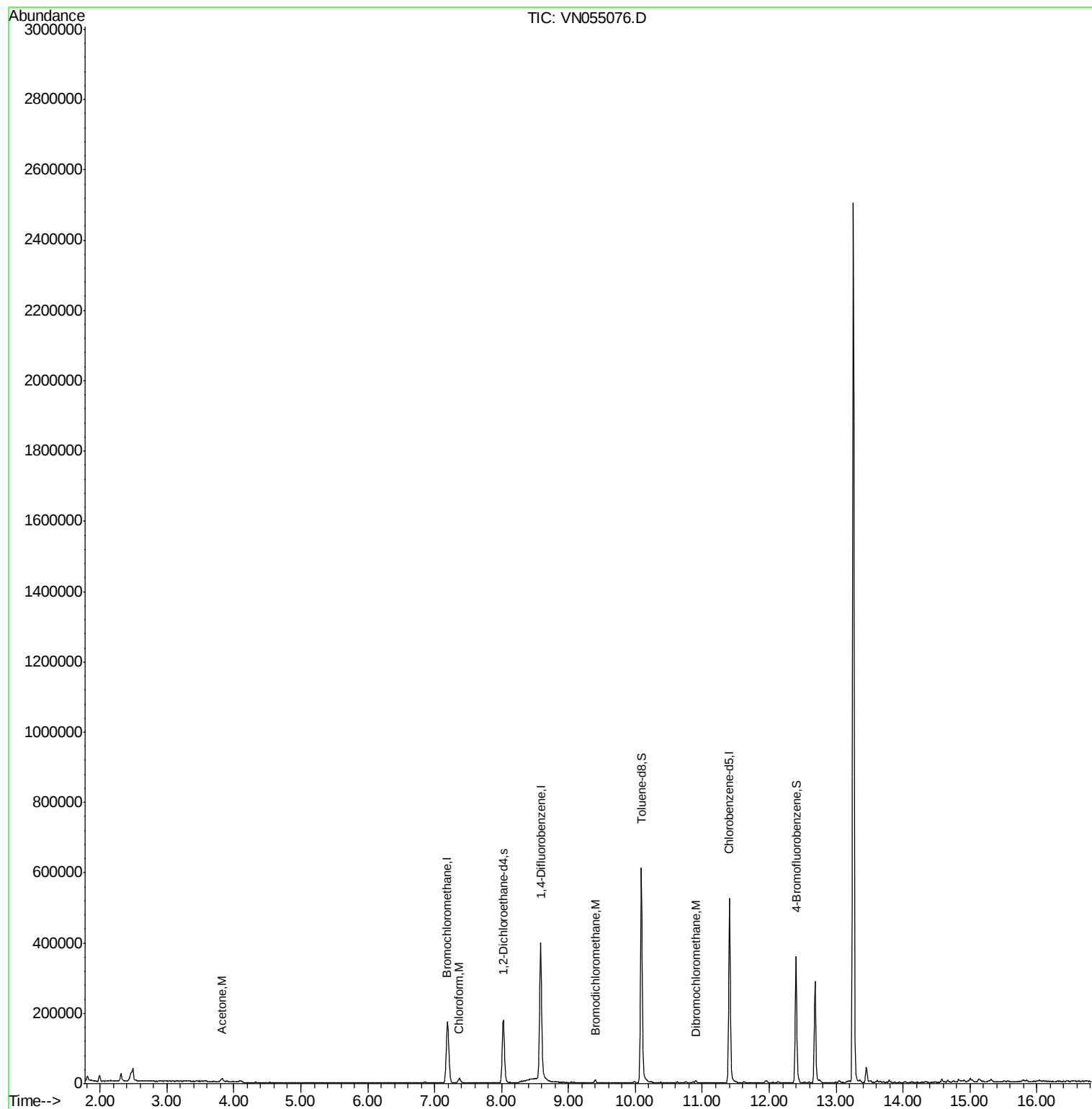
					Ovalue
15) Acetone	3.83	58	4134	11.643	ug/l 97
25) Chloroform	7.37	83	13114	1.804	ug/l 91
41) Bromodichloromethane	9.40	83	4573	0.870	ug/l 92
53) Dibromochloromethane	10.90	129	2780	0.780	ug/l 98

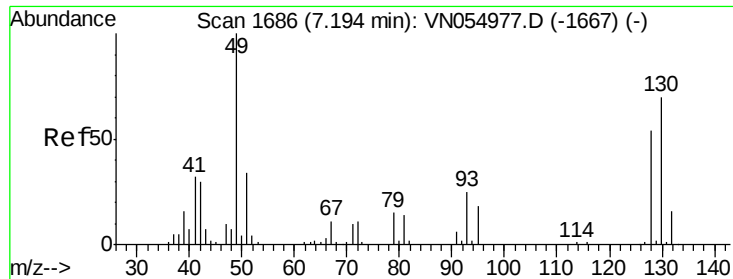
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 12 07:55:25 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055076.D

Acq: 16 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

CLEARWELLRE

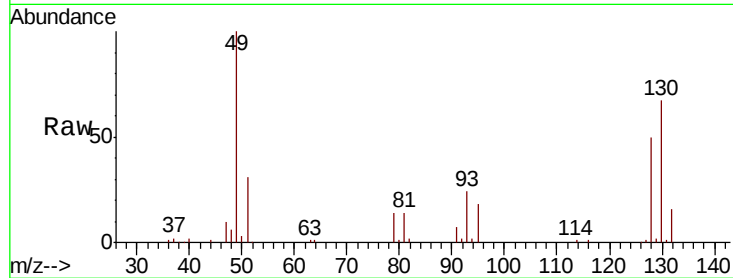
Tot Ion:128 Resp: 64174

Ion Ratio Lower Upper

128 100

49 194.1 0.0 480.3

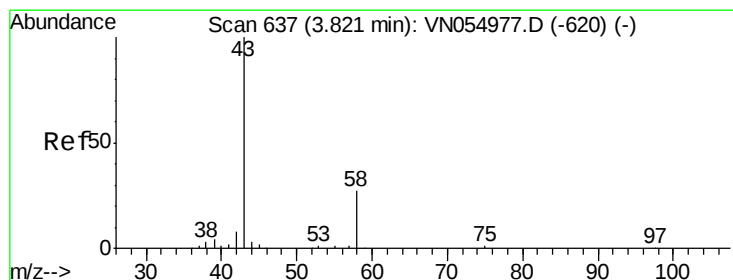
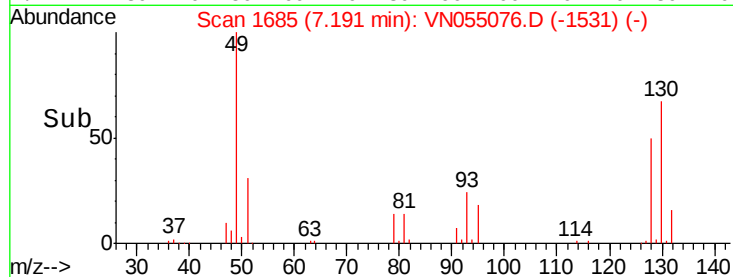
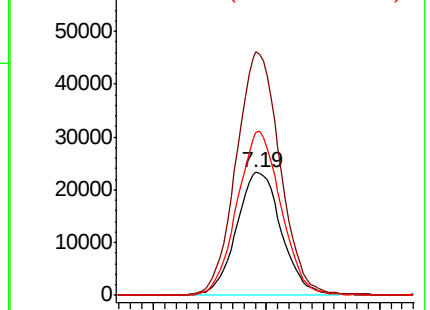
130 130.4 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 11.643 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN055076.D

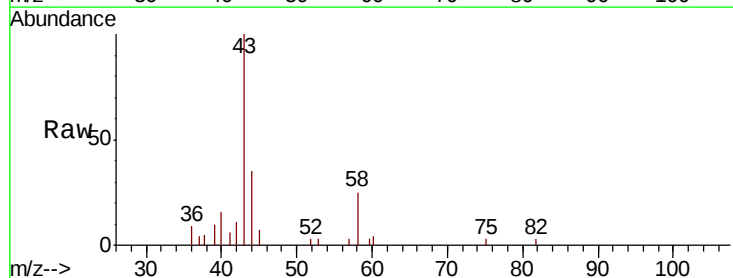
Acq: 16 Apr 2019 14:14

Tgt Ion: 58 Resp: 4134

Ion Ratio Lower Upper

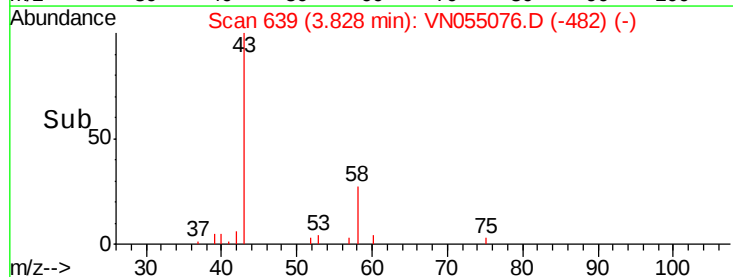
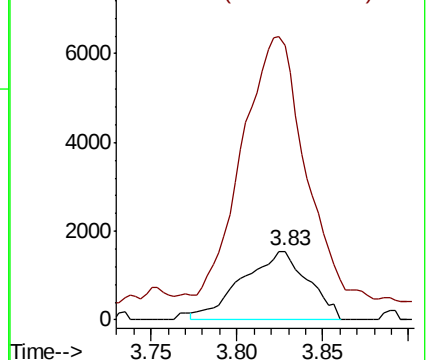
58 100

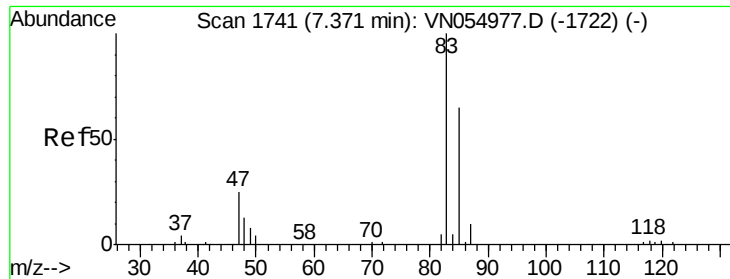
43 364.9 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

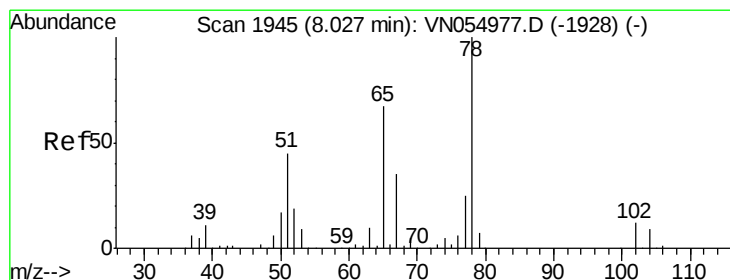
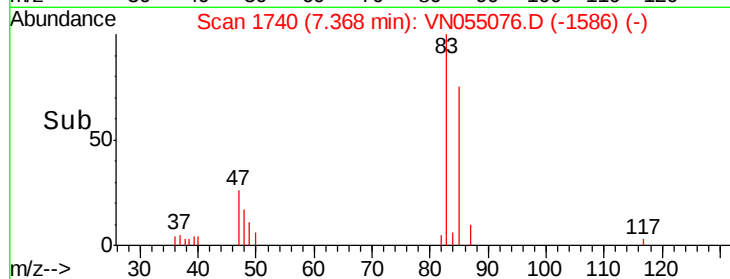
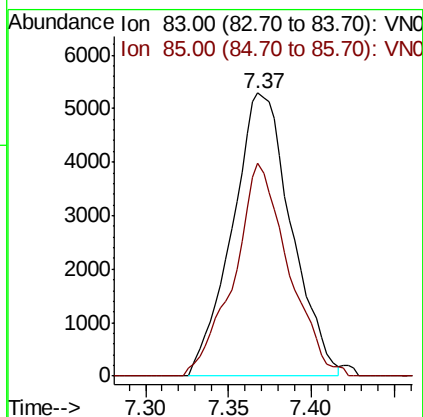
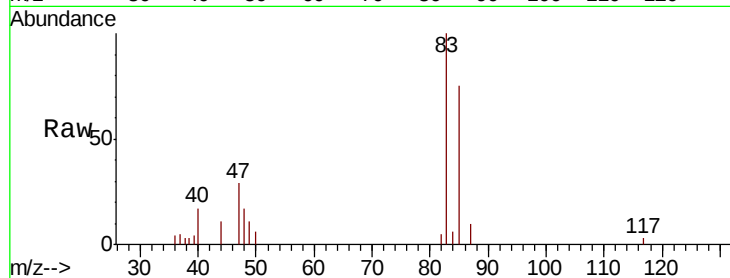




#25
Chloroform
Concen: 1.804 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055076.D
Acq: 16 Apr 2019 14:14

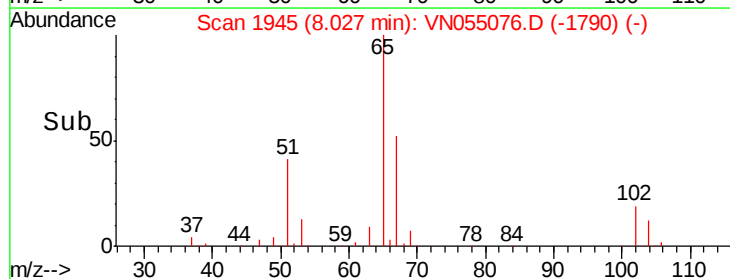
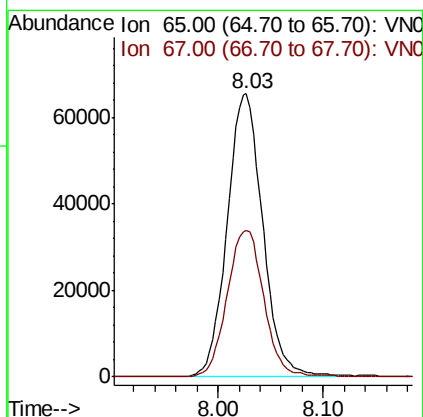
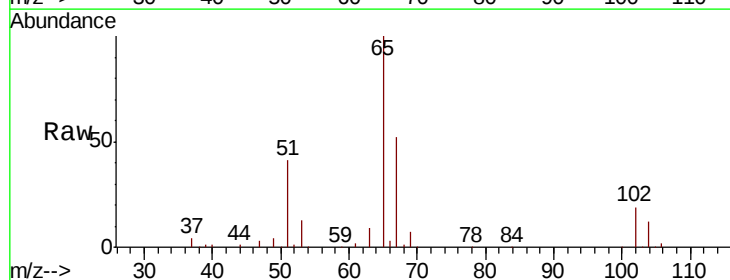
Instrument :
MSVOA_N
ClientSampleId :
CLEARWELLRE

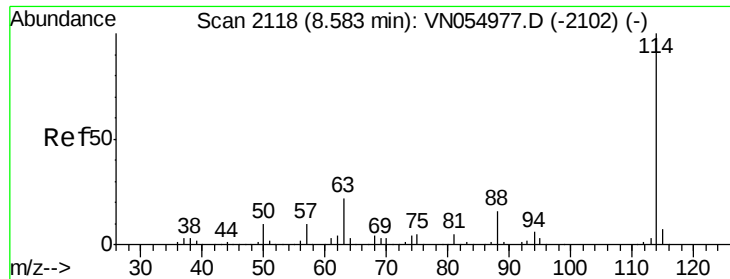
Tot Ion: 83 Resp: 13114
Ion Ratio Lower Upper
83 100
85 72.2 51.8 77.8



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055076.D
Acq: 16 Apr 2019 14:14

Tgt Ion: 65 Resp: 153301
Ion Ratio Lower Upper
65 100
67 53.1 41.8 62.8

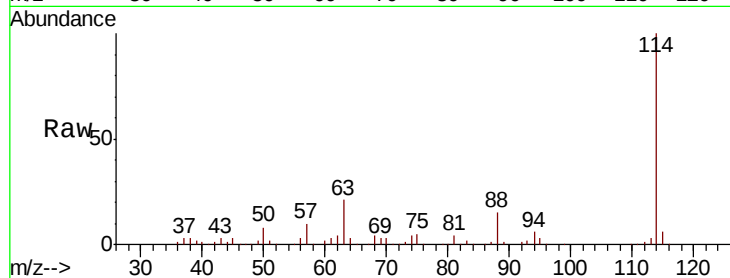




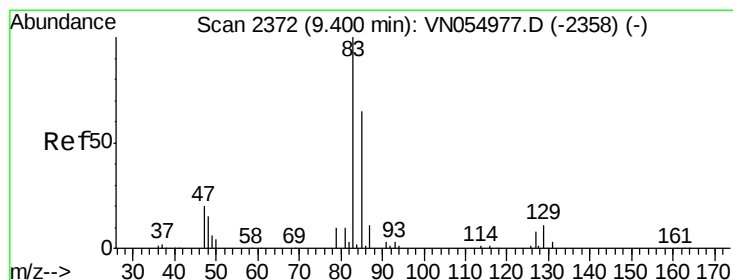
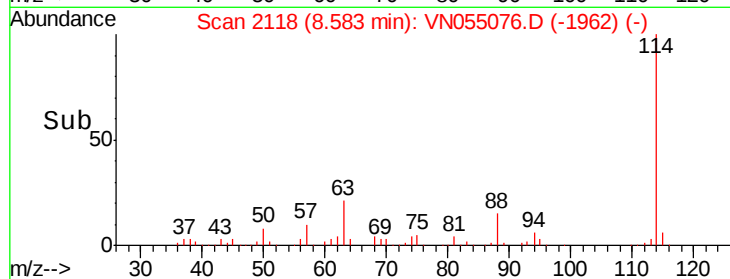
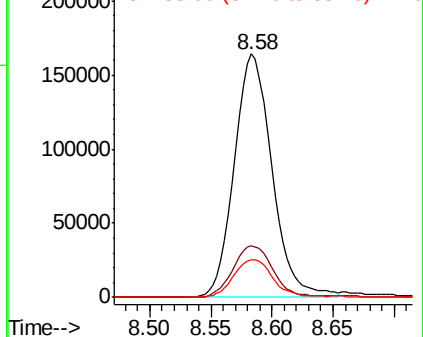
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055076.D
 Acq: 16 Apr 2019 14:14

Instrument :
 MSVOA_N
 ClientSampleId :
 CLEARWELLRE

Tot Ion:114 Resp: 353676
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.0 25.4
 88 15.9 12.3 18.5

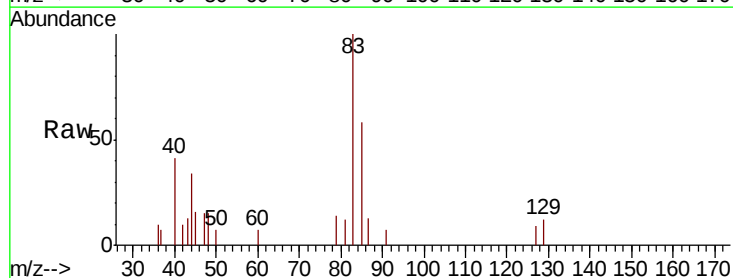


Abundance Ion 114.00 (113.70 to 114.70): VN054977.D (-2102) (-)
 Ion 63.00 (62.70 to 63.70): VN054977.D (-2102) (-)
 Ion 88.00 (87.70 to 88.70): VN054977.D (-2102) (-)

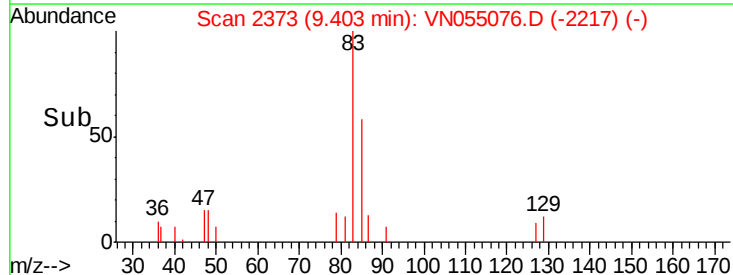
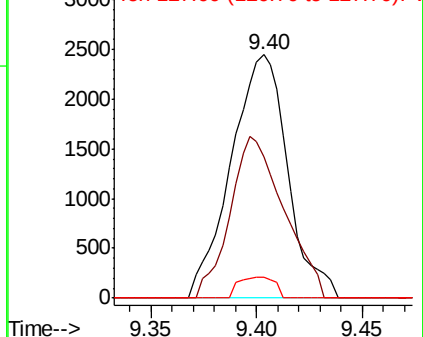


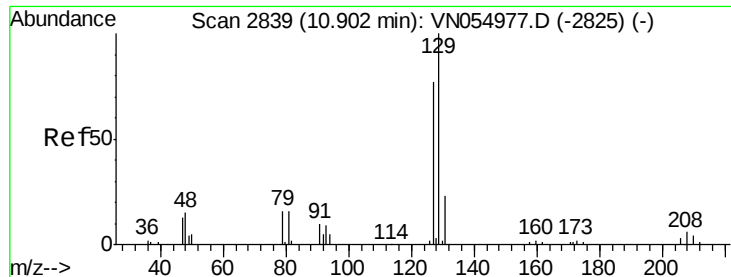
#41
 Bromodichloromethane
 Concen: 0.870 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055076.D
 Acq: 16 Apr 2019 14:14

Tgt Ion: 83 Resp: 4573
 Ion Ratio Lower Upper
 83 100
 85 57.8 52.0 78.0
 127 8.7 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VN054977.D (-2358) (-)
 Ion 85.00 (84.70 to 85.70): VN054977.D (-2358) (-)
 Ion 127.00 (126.70 to 127.70): VN054977.D (-2358) (-)





#53

Dibromochloromethane

Concen: 0.780 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN055076.D

Acq: 16 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

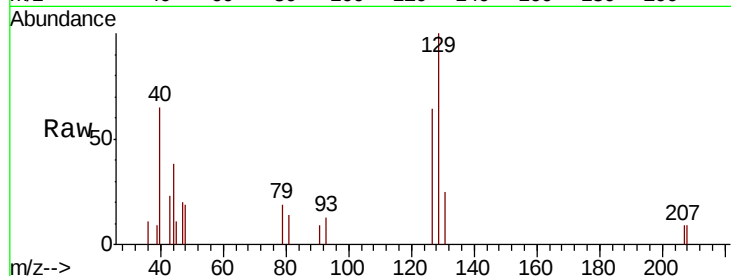
CLEARWELLRE

Tot Ion:129 Resp: 2780

Ion Ratio Lower Upper

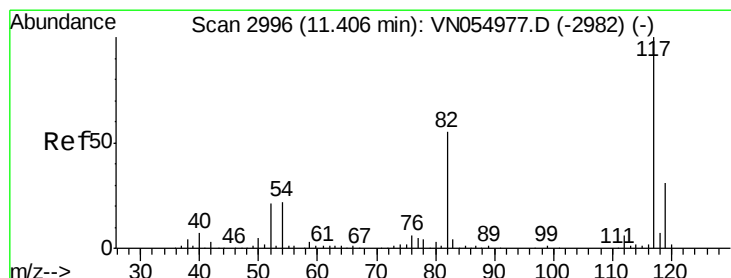
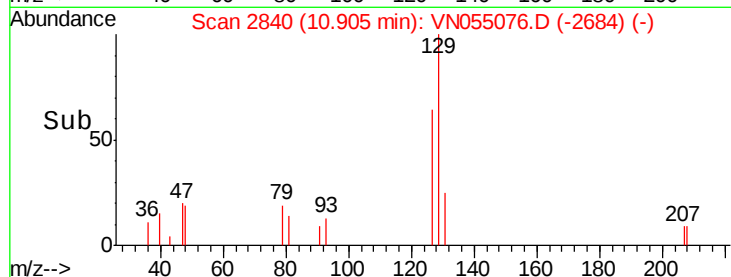
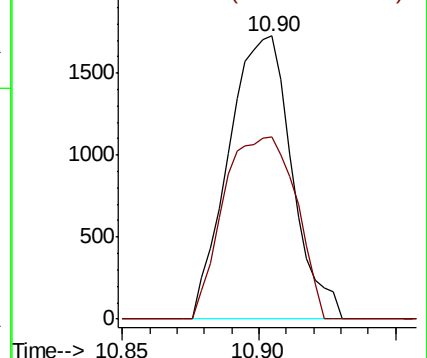
129 100

127 73.6 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055076.D

Acq: 16 Apr 2019 14:14

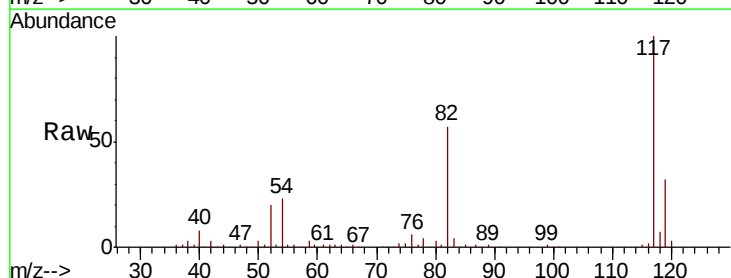
Tgt Ion:117 Resp: 304663

Ion Ratio Lower Upper

117 100

82 55.8 45.2 67.8

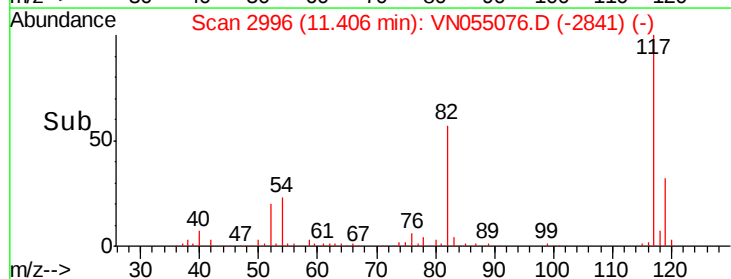
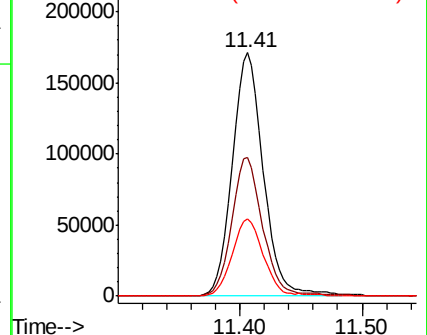
119 31.5 25.4 38.2

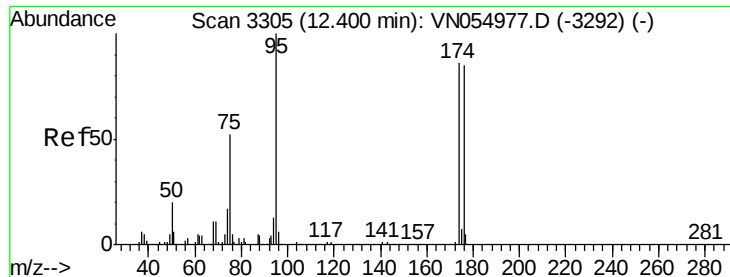


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055076.D

Acq: 16 Apr 2019 14:14

Instrument :

MSVOA_N

ClientSampleId :

CLEARWELLRE

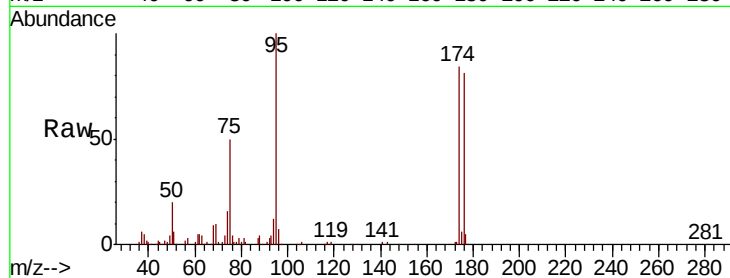
Tot Ion: 95 Resp: 126150

Ion Ratio Lower Upper

95 100

174 83.6 69.4 104.2

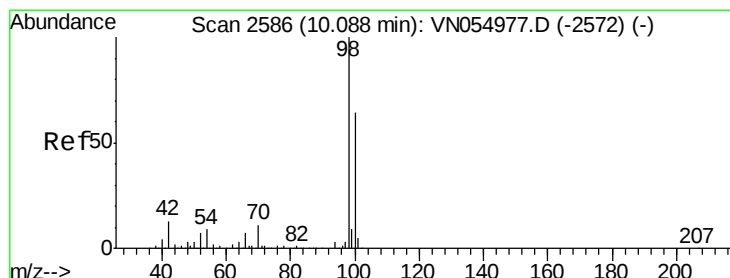
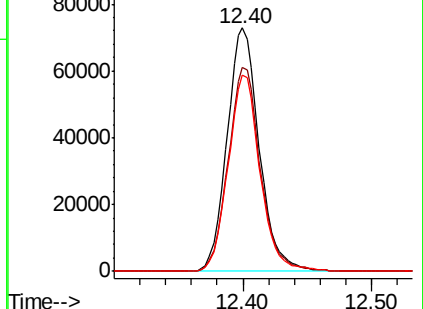
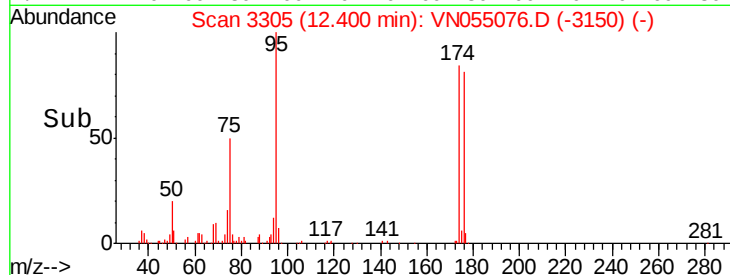
176 79.9 67.4 101.2



Abundance Ion 95.00 (94.70 to 95.70): VN055076.D (-2431) (-)

Ion 174.00 (173.70 to 174.70): VN055076.D (-2431) (-)

Ion 176.00 (175.70 to 176.70): VN055076.D (-2431) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055076.D

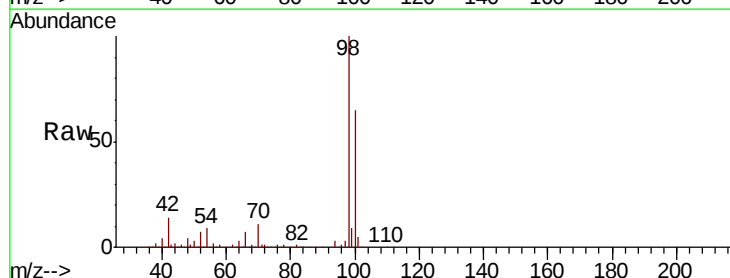
Acq: 16 Apr 2019 14:14

Tgt Ion: 98 Resp: 433421

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055076.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN055076.D (-2431) (-)

