

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056629.D
 Acq On : 9 Jul 2019 14:53
 Operator : JC/SP
 Sample : K3712-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-003-IDWGW-20190708

Quant Time: Jul 10 09:24:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	50353	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	273007	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	224633	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104066	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	87462	25.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.47%
63) Toluene-d8	10.09	98	316609	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

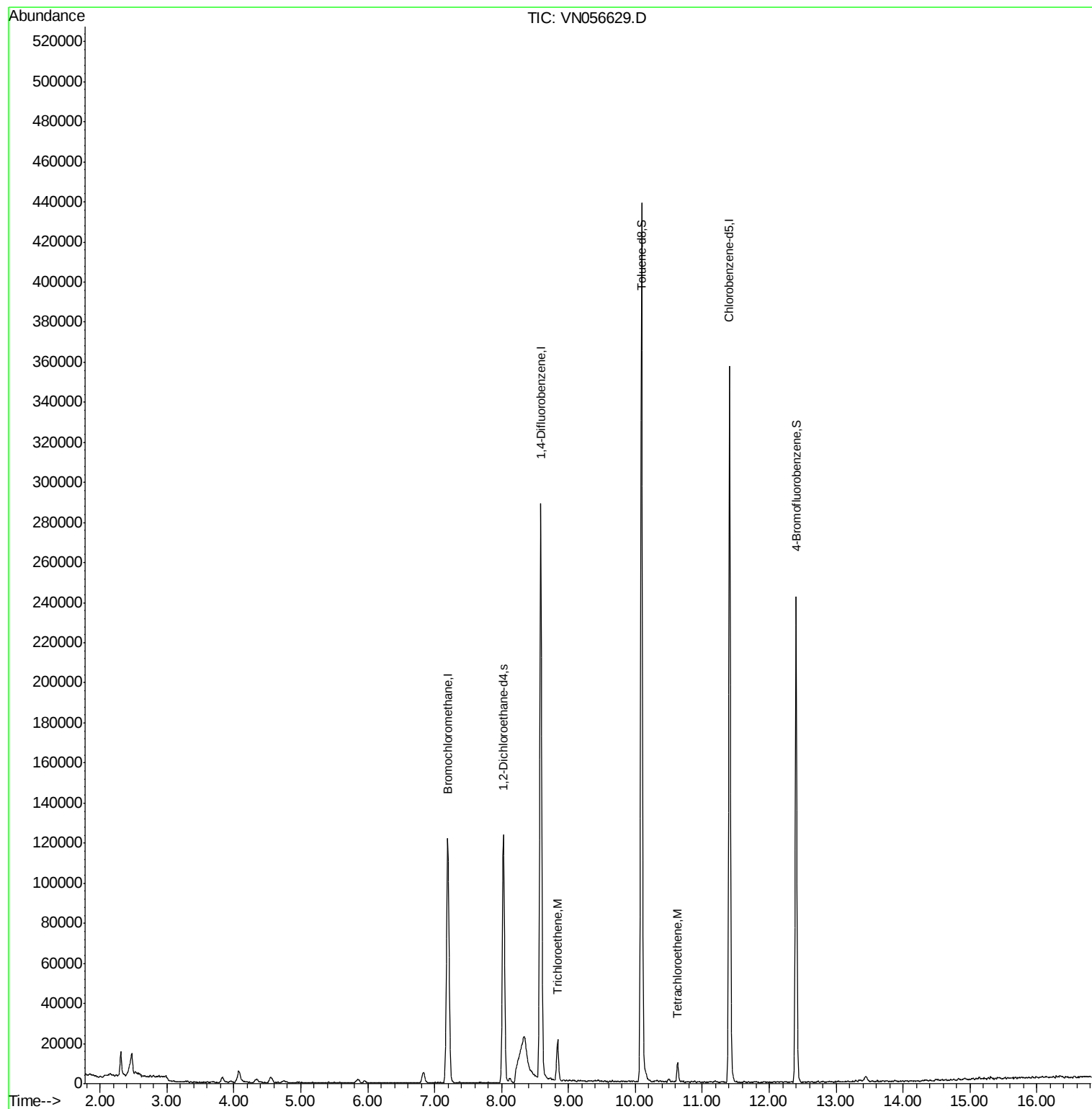
					Ovalue
37) Trichloroethene	8.83	130	8758	2.664 ug/l	96
61) Tetrachloroethene	10.63	164	1968	0.698 ug/l	89

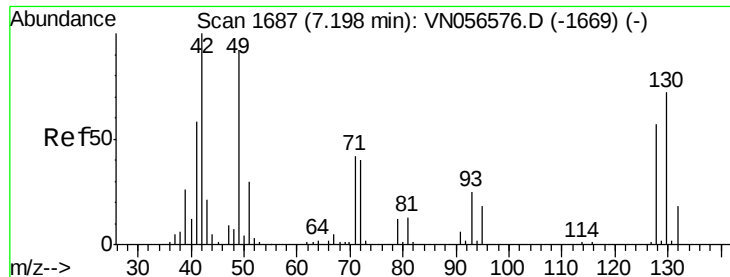
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056629.D

Acq: 9 Jul 2019 14:53

Instrument :
MSVOA_N
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TT-003-IDW/GW-20190708

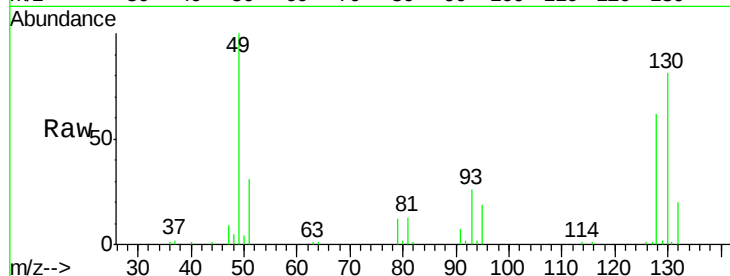
Tot Ion:128 Resp: 50353

Ion Ratio Lower Upper

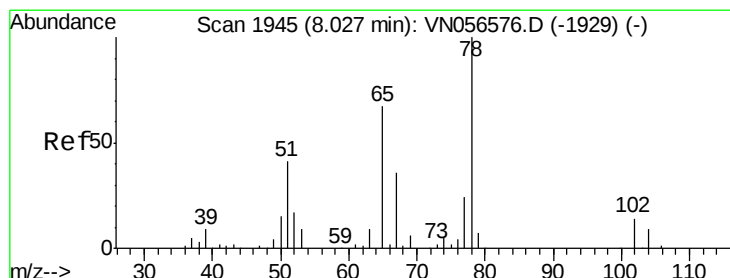
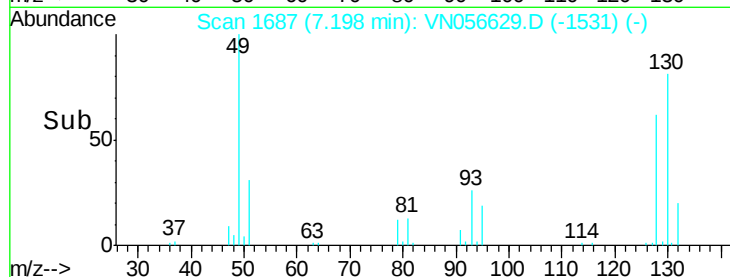
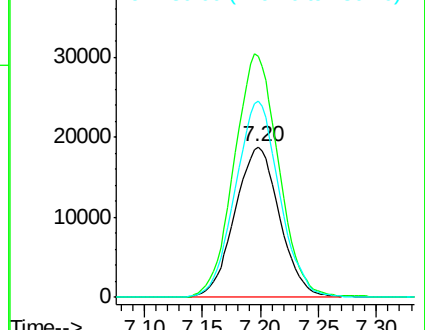
128 100

49 160.4 0.0 355.8

130 128.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 29.979 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056629.D

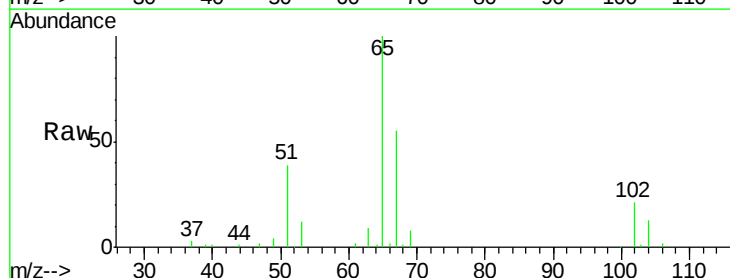
Acq: 9 Jul 2019 14:53

Tgt Ion: 65 Resp: 104066

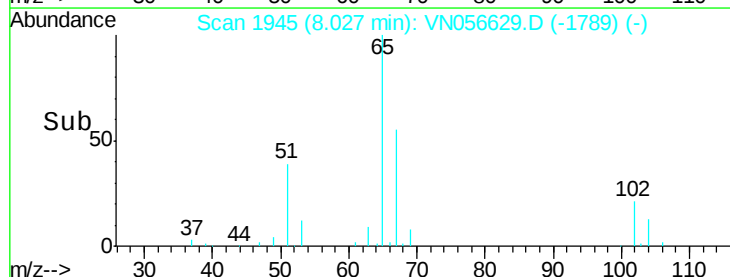
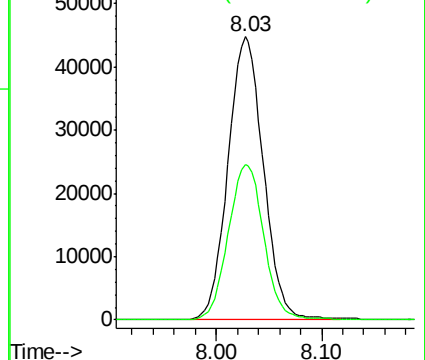
Ion Ratio Lower Upper

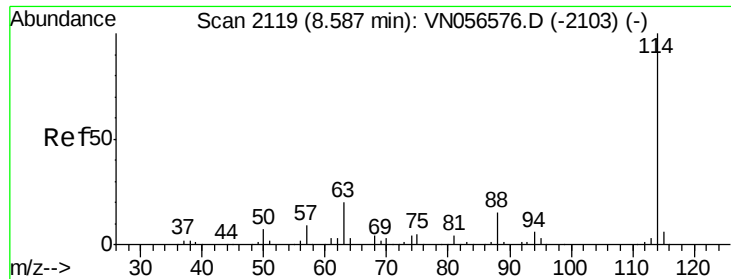
65 100

67 54.9 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): V
Ion 67.00 (66.70 to 67.70): V

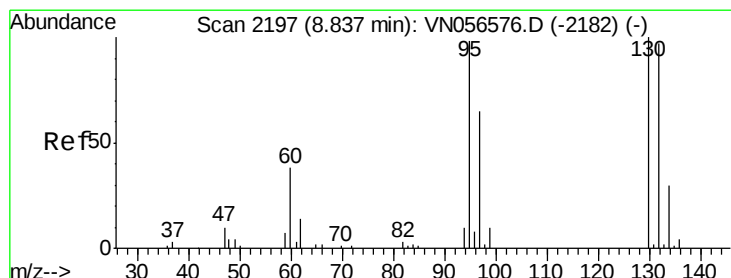
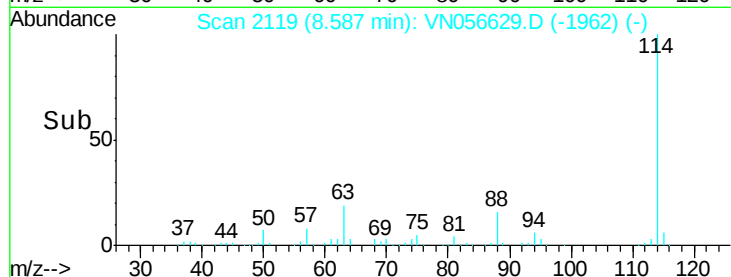
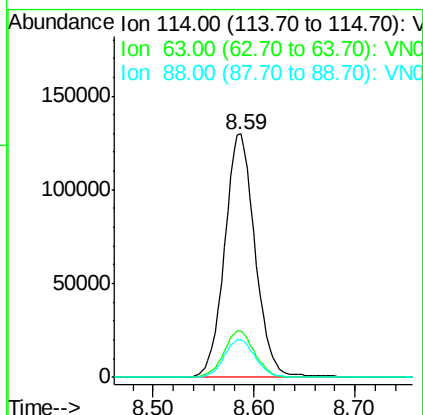
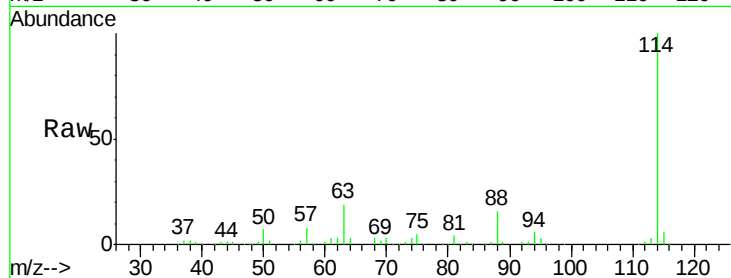




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056629.D
 Acq: 9 Jul 2019 14:53

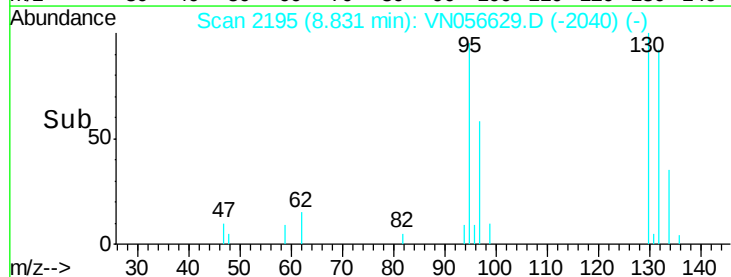
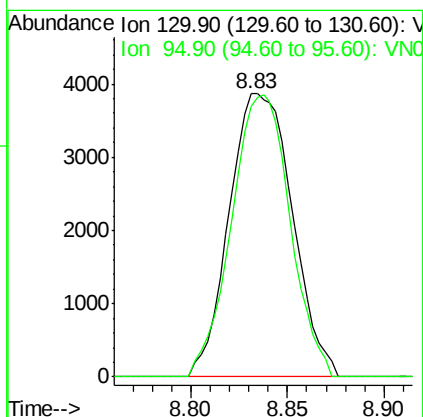
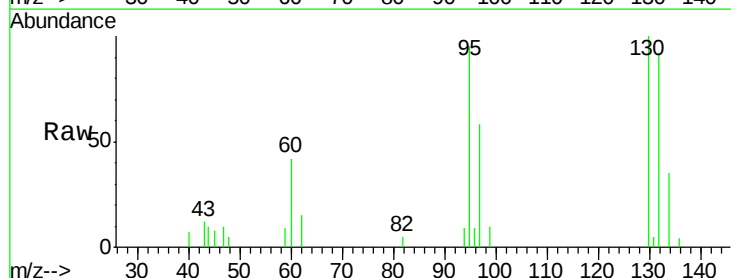
Instrument :
 MSVOA_N
 ClientSampleId :
 TT-003-IDW/GW-20190708

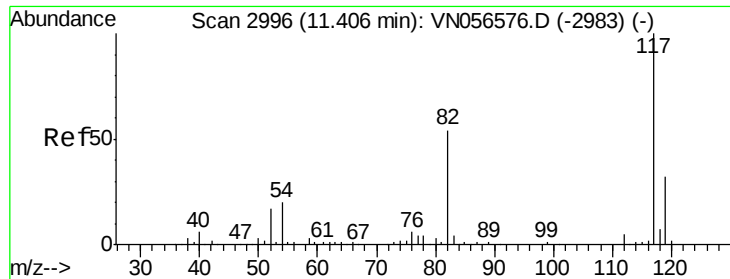
Tot Ion:114 Resp: 273007
 Ion Ratio Lower Upper
 114 100
 63 19.4 14.7 22.1
 88 15.7 11.9 17.9



#37
 Trichloroethene
 Concen: 2.664 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN056629.D
 Acq: 9 Jul 2019 14:53

Tgt Ion:130 Resp: 8758
 Ion Ratio Lower Upper
 130 100
 95 95.4 73.0 109.6

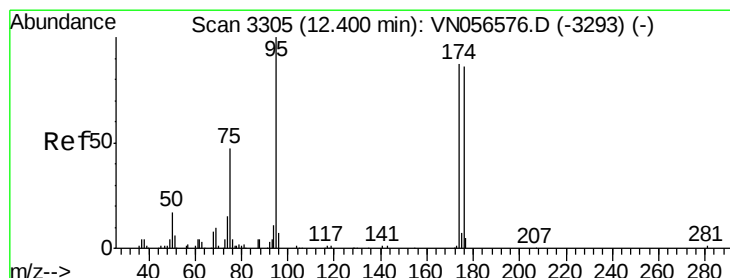
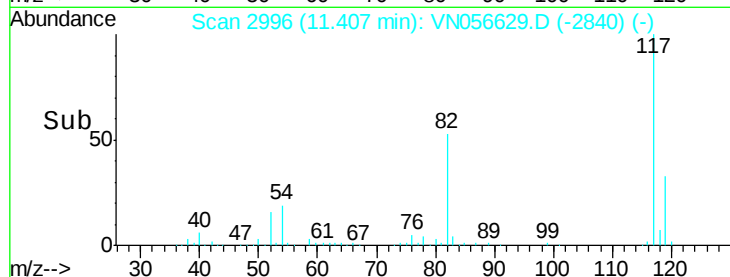
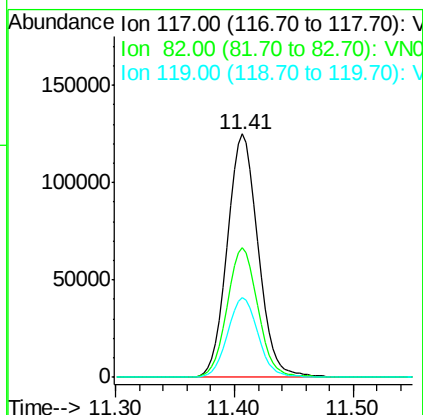
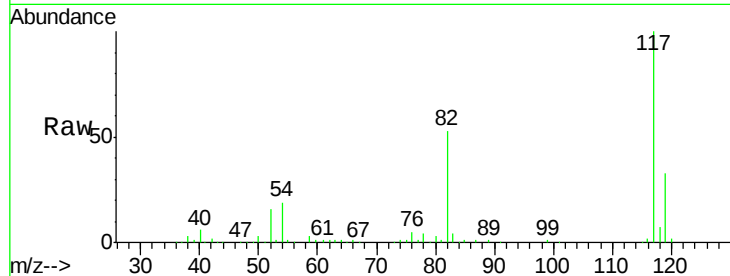




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056629.D
Acq: 9 Jul 2019 14:53

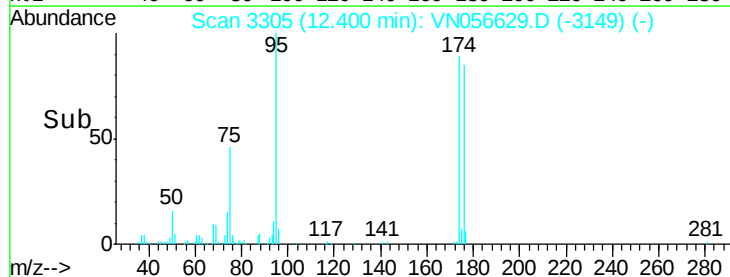
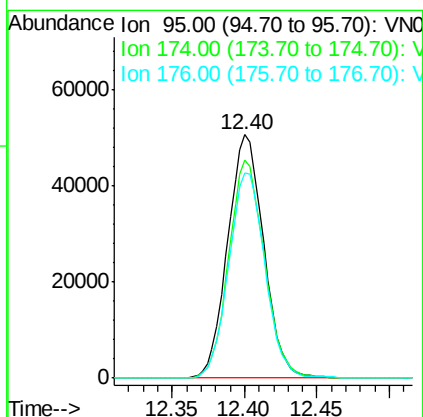
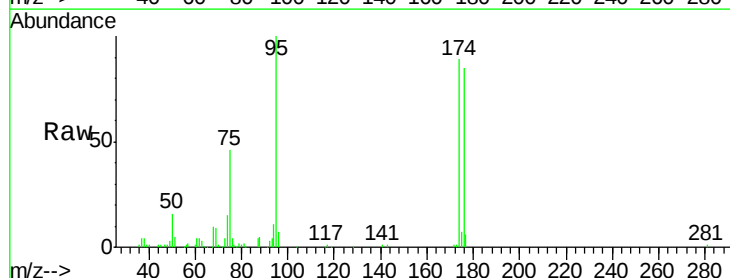
Instrument :
MSVOA_N
ClientSampleId :
TT-003-IDW/GW-20190708

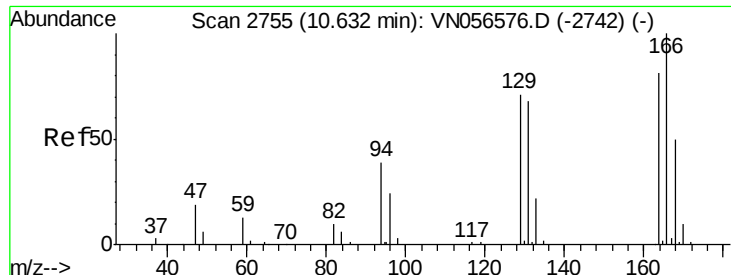
Tot Ion:117 Resp: 224633
Ion Ratio Lower Upper
117 100
82 53.5 41.2 61.8
119 32.3 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 25.338 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056629.D
Acq: 9 Jul 2019 14:53

Tgt Ion: 95 Resp: 87462
Ion Ratio Lower Upper
95 100
174 88.9 75.4 113.0
176 85.2 73.9 110.9





#61

Tetrachloroethene

Concen: 0.698 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056629.D

Acq: 9 Jul 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

TT-003-IDW/GW-20190708

Tot Ion:164 Resp: 1968

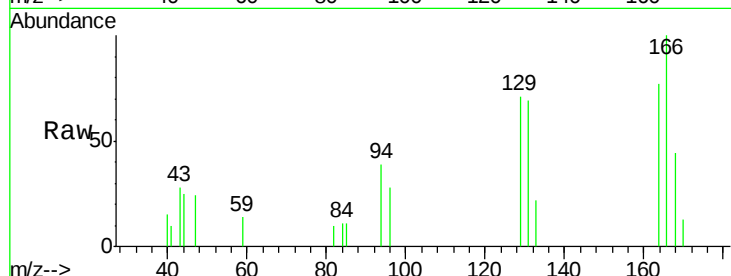
Ion Ratio Lower Upper

164 100

166 112.2 104.3 156.5

129 81.6 71.5 107.3

131 90.3 67.7 101.5

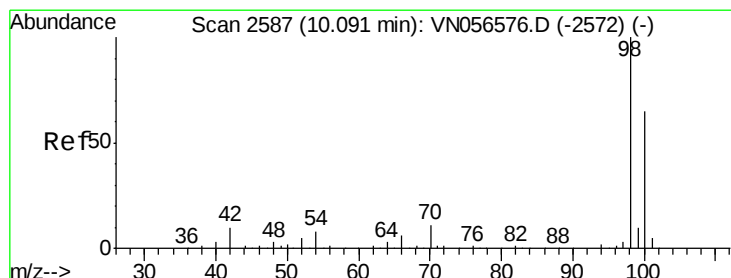
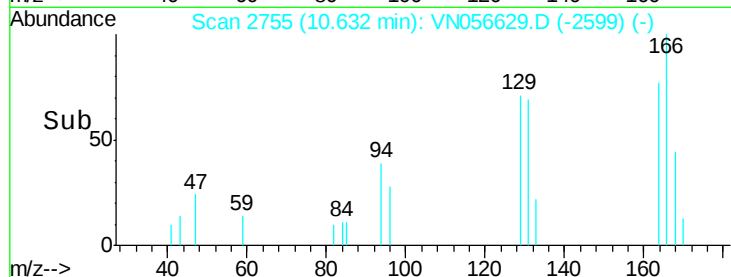
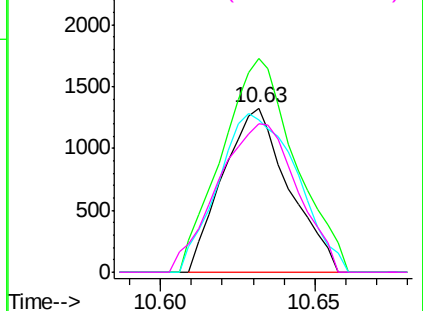


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 30.331 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056629.D

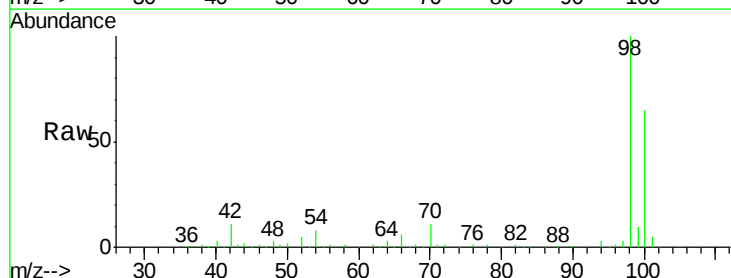
Acq: 9 Jul 2019 14:53

Tgt Ion: 98 Resp: 316609

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

