

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055881.D
 Acq On : 29 May 2019 16:38
 Operator : JC/SP
 Sample : K3082-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: May 30 07:24:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	51752	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	270807	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	219675	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	104386	30.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.87%
60) 4-Bromofluorobenzene	12.40	95	80573	23.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.60%
63) Toluene-d8	10.09	98	317907	31.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.57%

Target Compounds

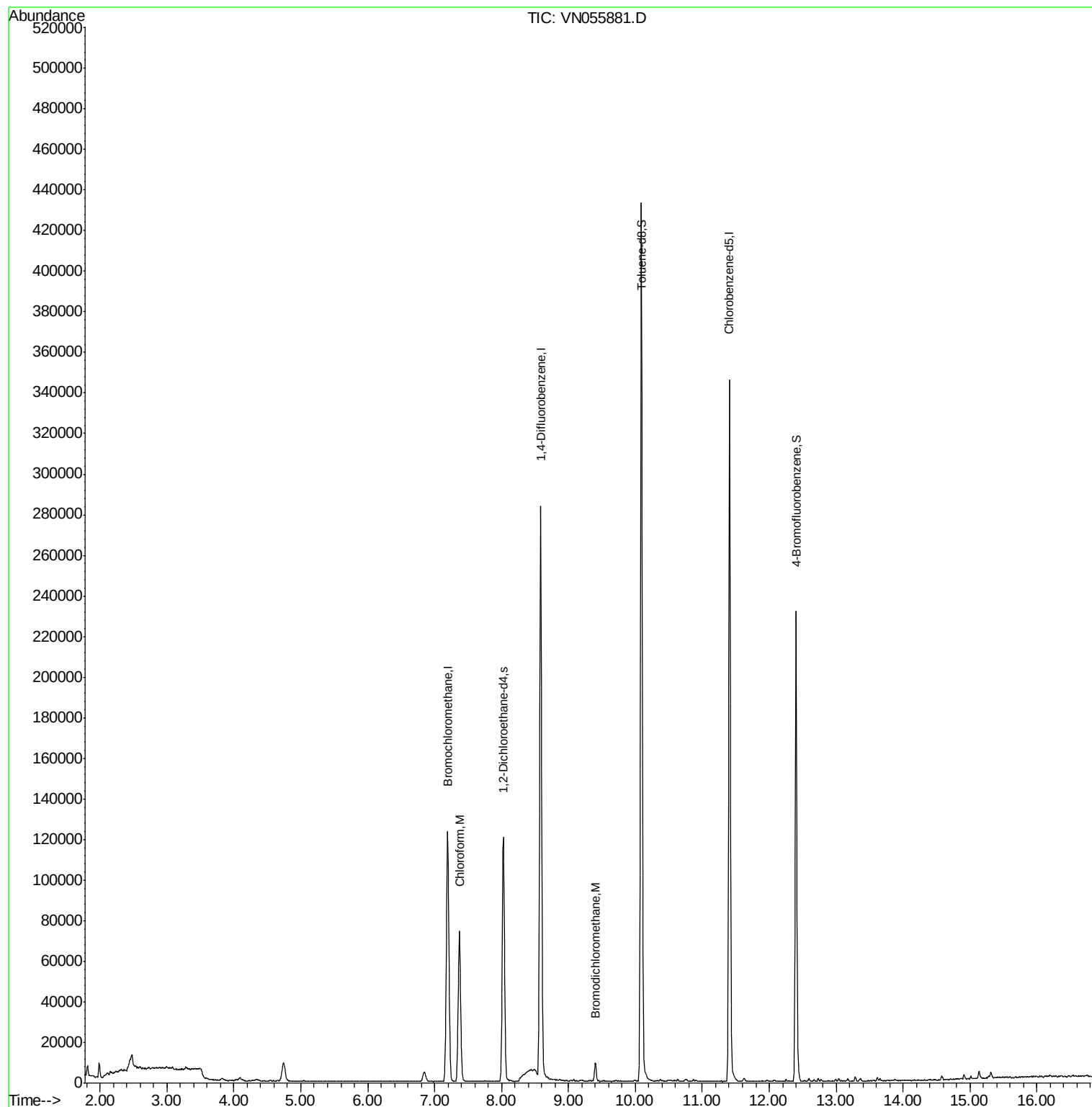
					Ovalue
25) Chloroform	7.37	83	80097	15.035	ug/l 98
41) Bromodichloromethane	9.40	83	6672	1.602	ug/l 95

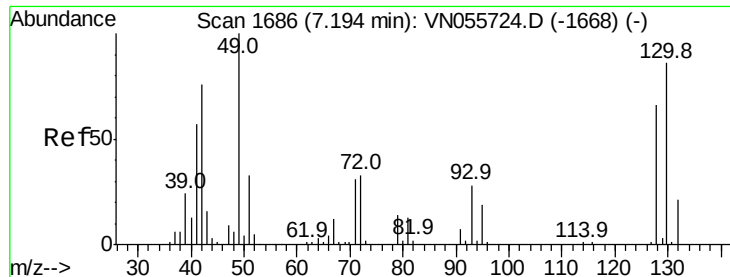
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055881.D

Acq: 29 May 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

14B-1

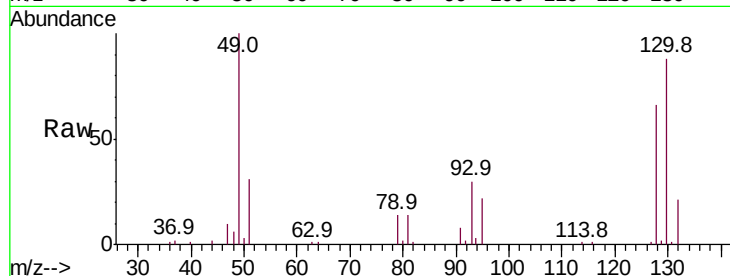
Tot Ion:128 Resp: 51752

Ion Ratio Lower Upper

128 100

49 147.3 0.0 383.2

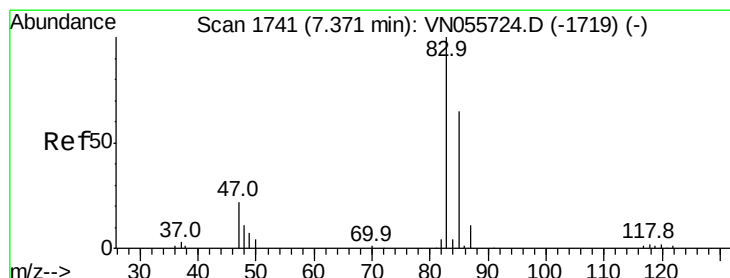
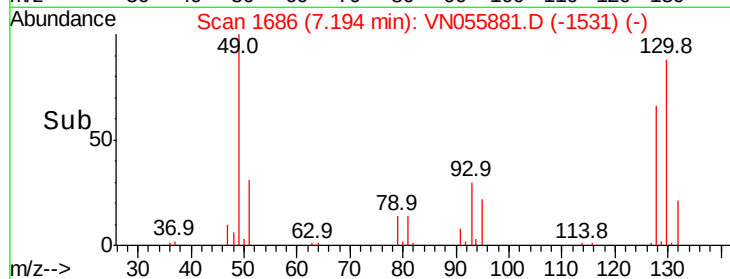
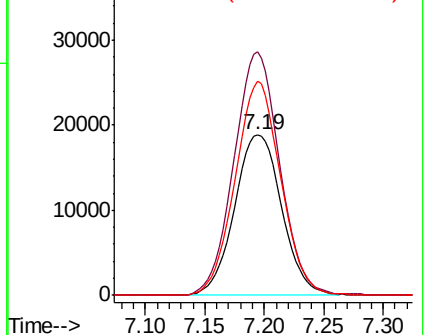
130 128.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#25

Chloroform

Concen: 15.035 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055881.D

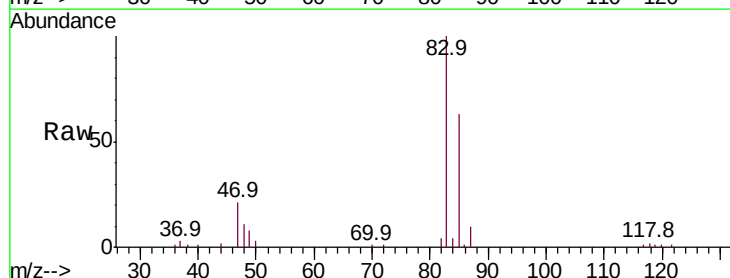
Acq: 29 May 2019 16:38

Tgt Ion: 83 Resp: 80097

Ion Ratio Lower Upper

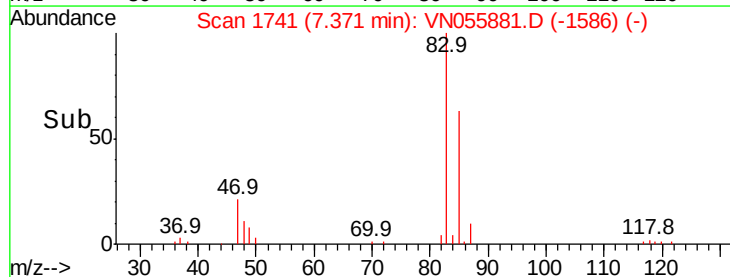
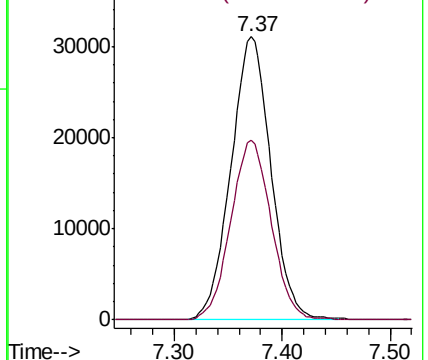
83 100

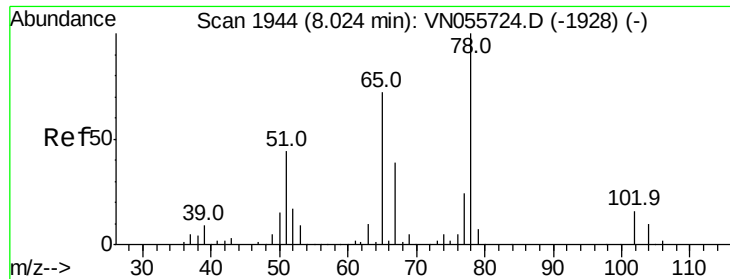
85 63.4 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

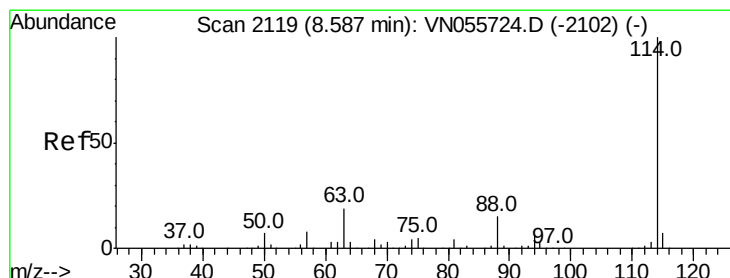
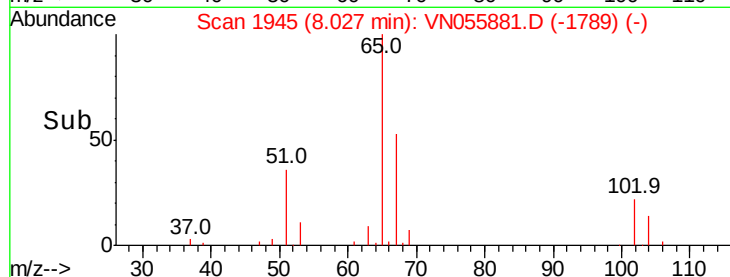
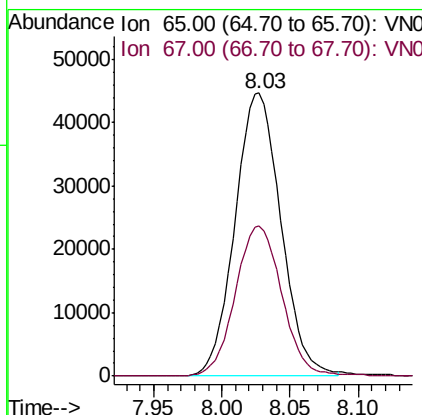
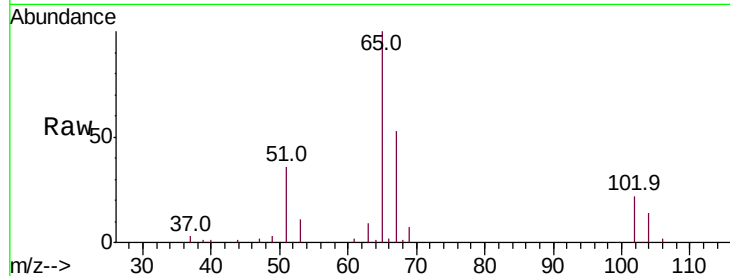




#27
 1,2-Dichloroethane-d4
 Concen: 30.859 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055881.D
 Acq: 29 May 2019 16:38

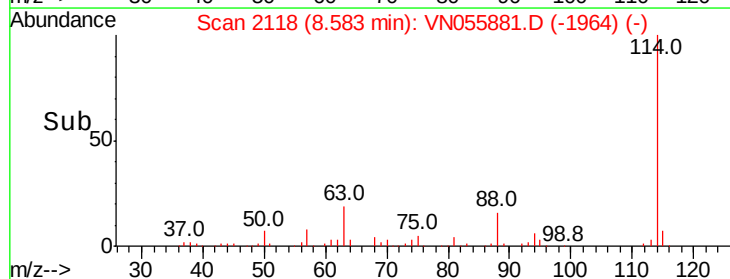
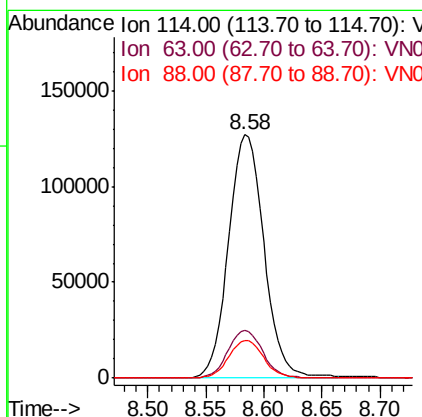
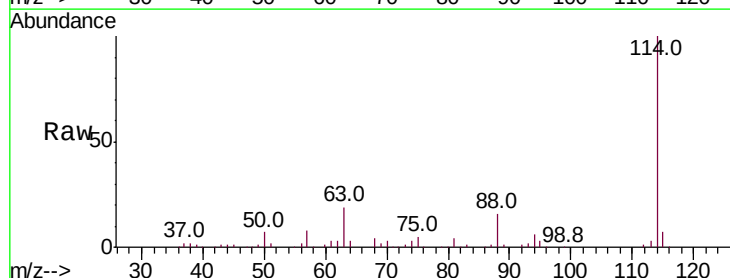
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

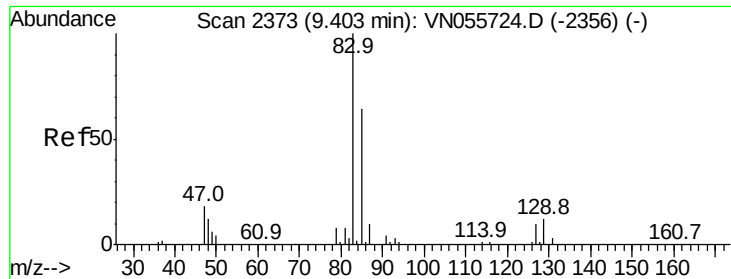
Tot Ion: 65 Resp: 104386
 Ion Ratio Lower Upper
 65 100
 67 53.7 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055881.D
 Acq: 29 May 2019 16:38

Tgt Ion: 114 Resp: 270807
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.2 12.3 18.5





#41

Bromodichloromethane

Concen: 1.602 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055881.D

Acq: 29 May 2019 16:38

Instrument :

MSVOA_N

ClientSampleId :

14B-1

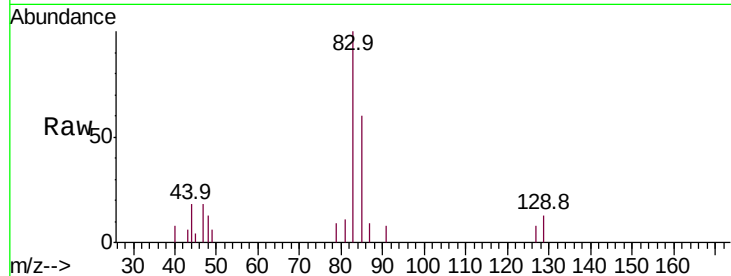
Tot Ion: 83 Resp: 6672

Ion Ratio Lower Upper

83 100

85 60.5 51.4 77.0

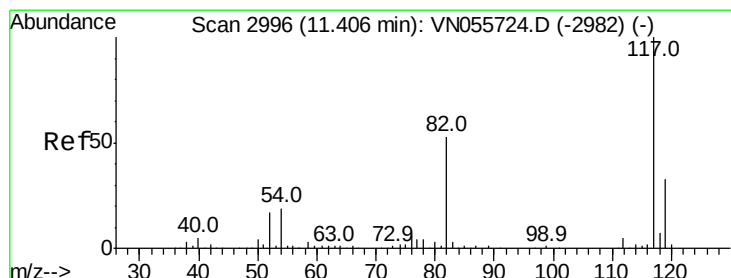
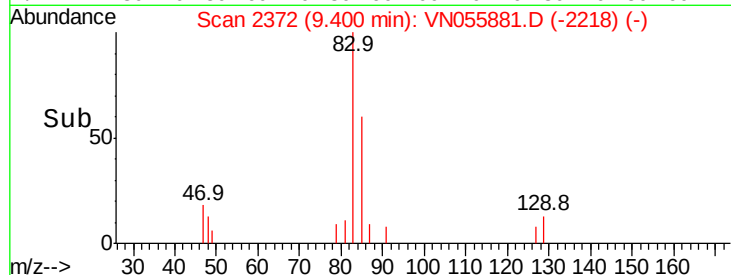
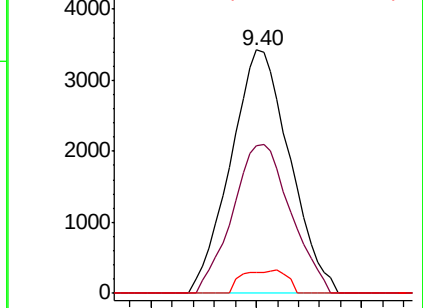
127 8.4 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

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: VN055881.D

Acq: 29 May 2019 16:38

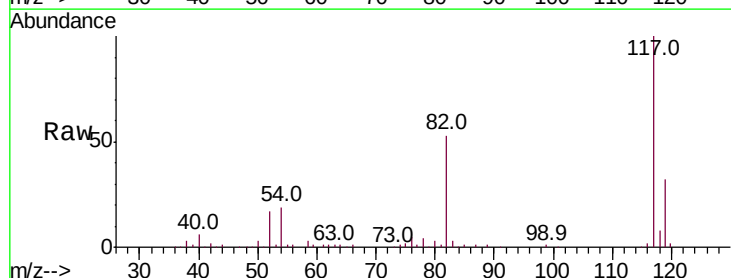
Tgt Ion: 117 Resp: 219675

Ion Ratio Lower Upper

117 100

82 53.1 42.6 64.0

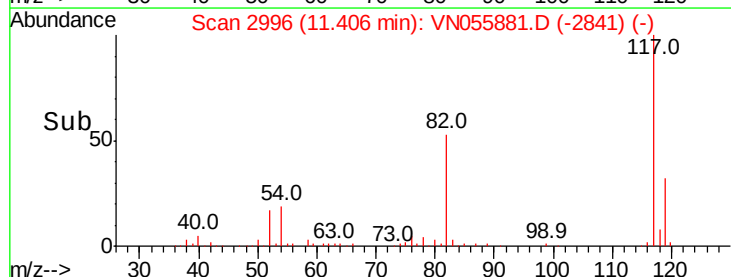
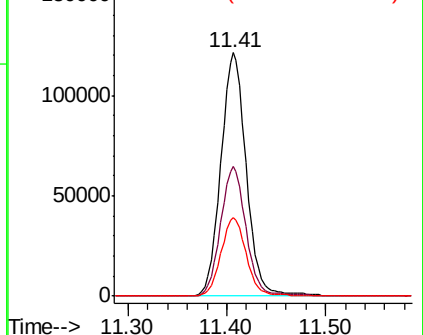
119 32.2 25.9 38.9

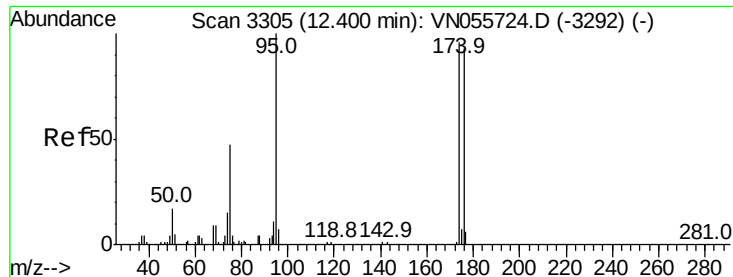


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 23.578 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055881.D

Acq: 29 May 2019 16:38

Instrument :

MSVOA_N

ClientSampled :

14B-1

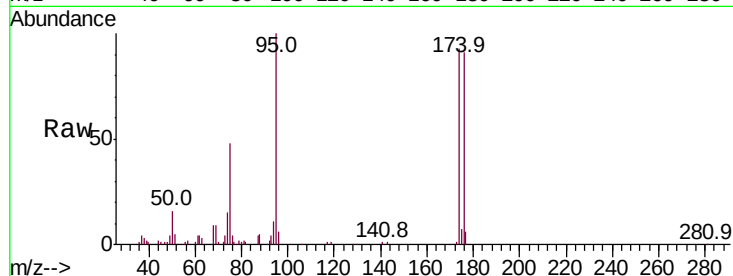
Tot Ion: 95 Resp: 80573

Ion Ratio Lower Upper

95 100

174 93.9 75.7 113.5

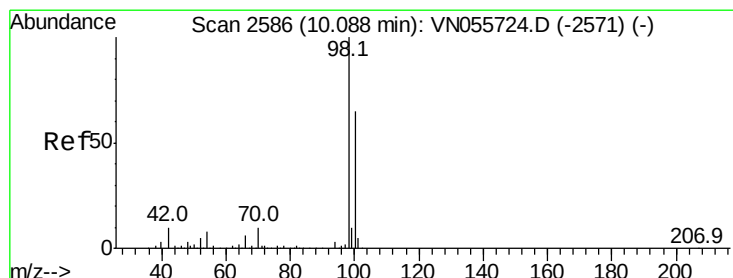
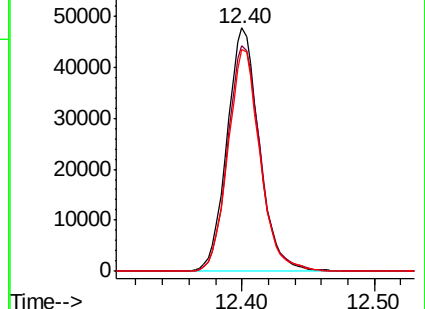
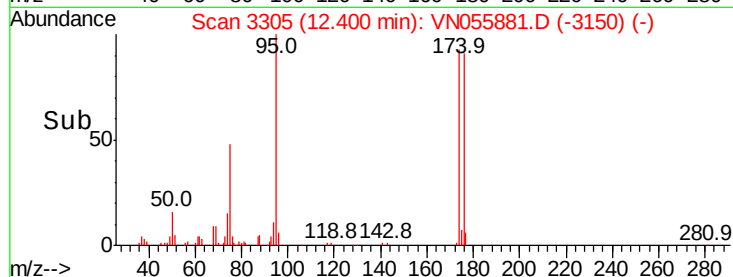
176 90.3 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055881.D (-2431) (-)

Ion 174.00 (173.70 to 174.70): VN055881.D (-2431) (-)

Ion 176.00 (175.70 to 176.70): VN055881.D (-2431) (-)



#63

Toluene-d8

Concen: 31.667 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055881.D

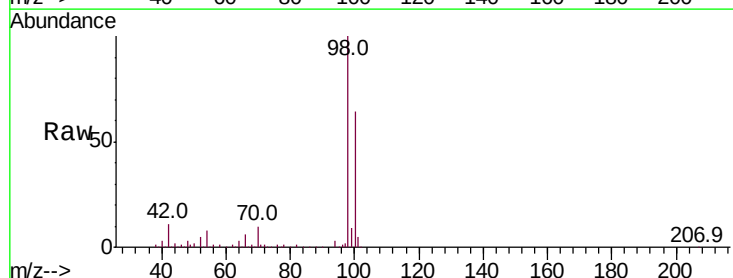
Acq: 29 May 2019 16:38

Tgt Ion: 98 Resp: 317907

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055881.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN055881.D (-2431) (-)

