

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055732.D
 Acq On : 22 May 2019 21:32
 Operator : JC/SP
 Sample : K2980-01 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: May 23 06:37:14 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	56921	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	303020	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	243665	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	114081	30.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.20%
60) 4-Bromofluorobenzene	12.40	95	94275	24.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	82.90%
63) Toluene-d8	10.09	98	358560	32.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.33%

Target Compounds

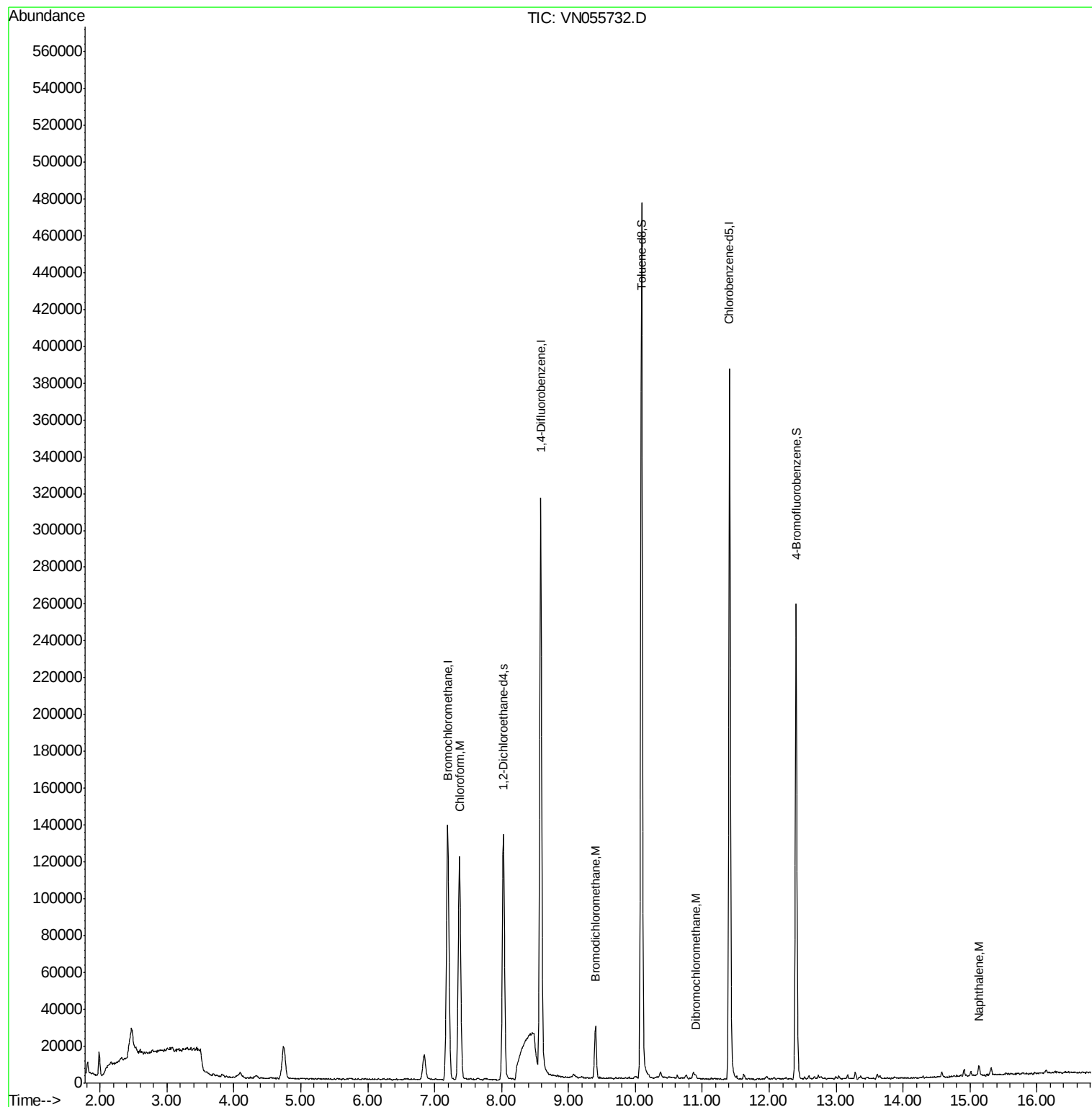
					Ovalue
25) Chloroform	7.37	83	132932	22.687	ug/l 100
41) Bromodichloromethane	9.40	83	19597	4.206	ug/l 99
53) Dibromochloromethane	10.90	129	1631	0.417	ug/l 97
91) Naphthalene	15.13	128	5154	0.594	ug/l # 97

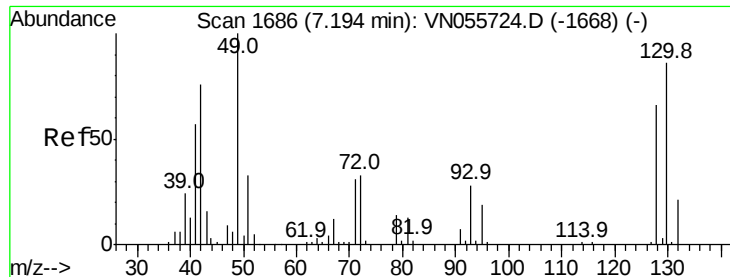
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
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QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055732.D

Acq: 22 May 2019 21:32

Instrument :

MSVOA_N

ClientSampled :

14B-1

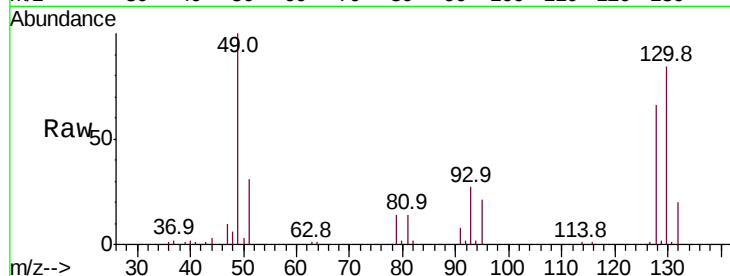
Tot Ion:128 Resp: 56921

Ion Ratio Lower Upper

128 100

49 152.3 0.0 383.2

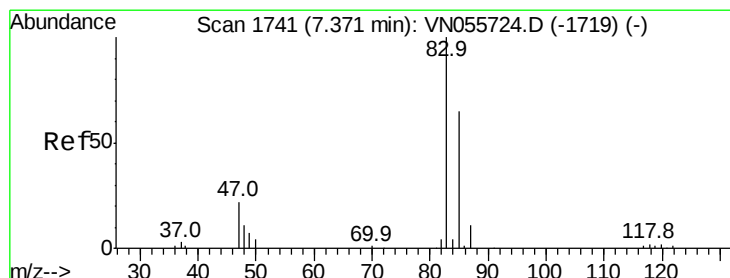
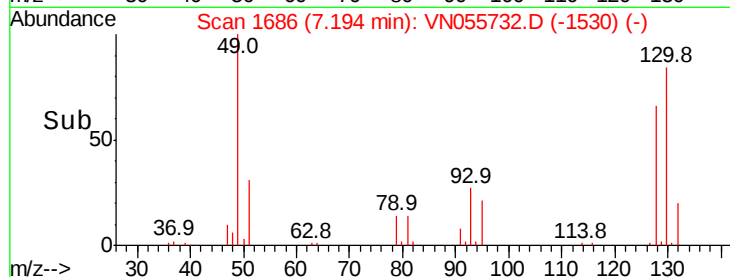
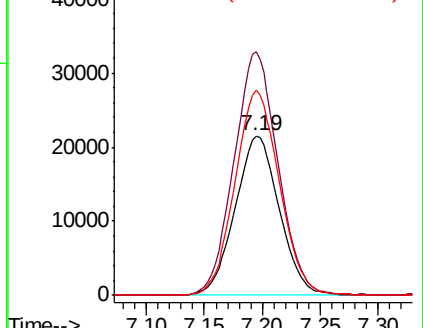
130 129.4 0.0 326.3



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: 22.687 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN055732.D

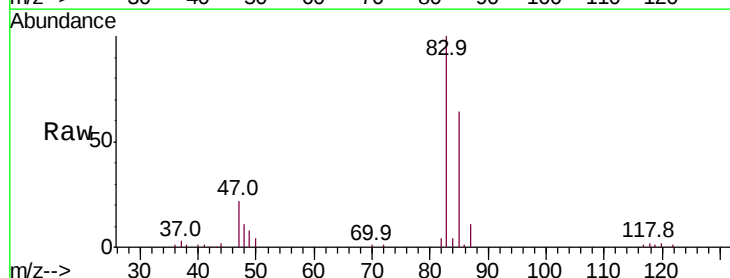
Acq: 22 May 2019 21:32

Tgt Ion: 83 Resp: 132932

Ion Ratio Lower Upper

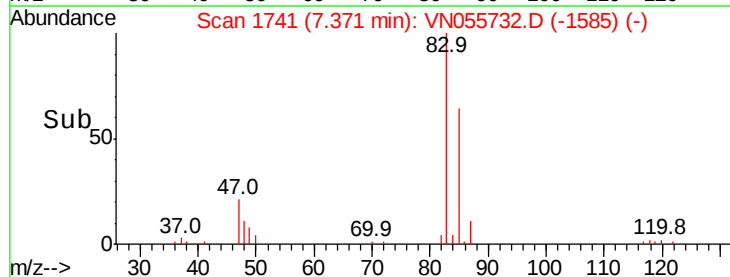
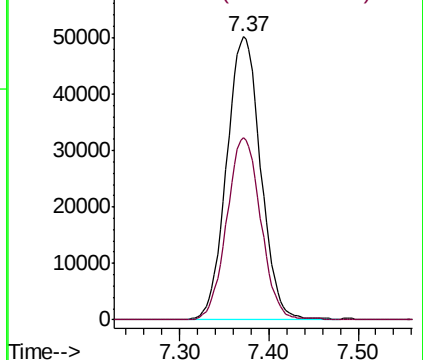
83 100

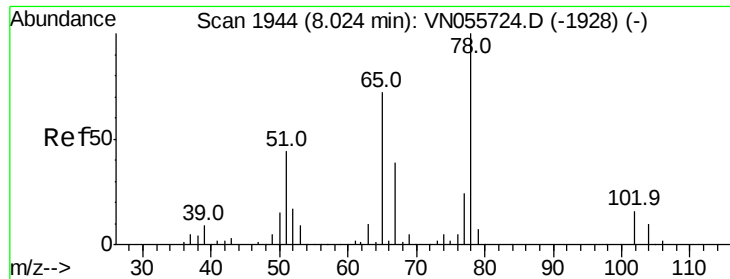
85 64.5 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

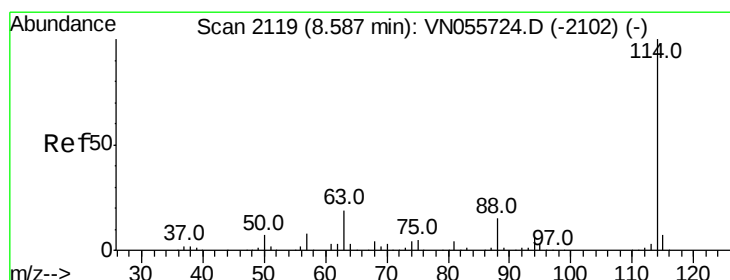
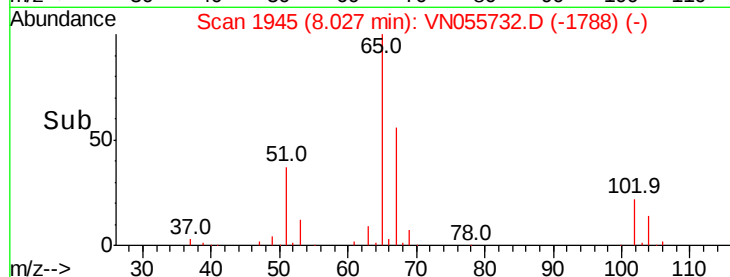
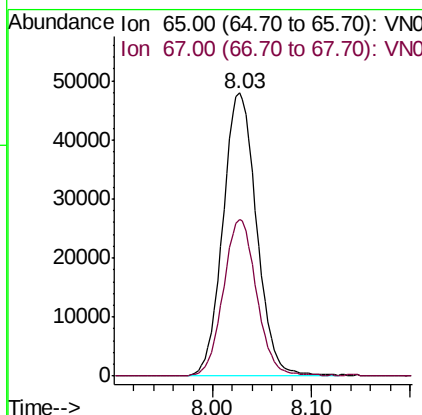
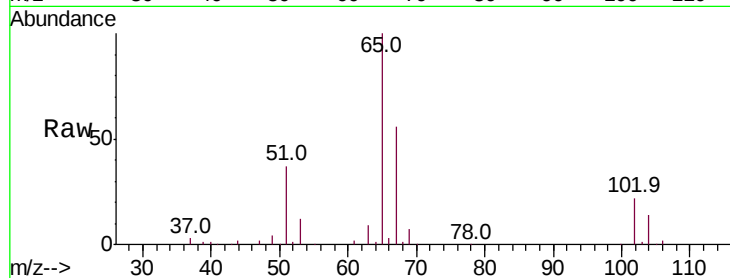




#27
 1,2-Dichloroethane-d4
 Concen: 30.662 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055732.D
 Acq: 22 May 2019 21:32

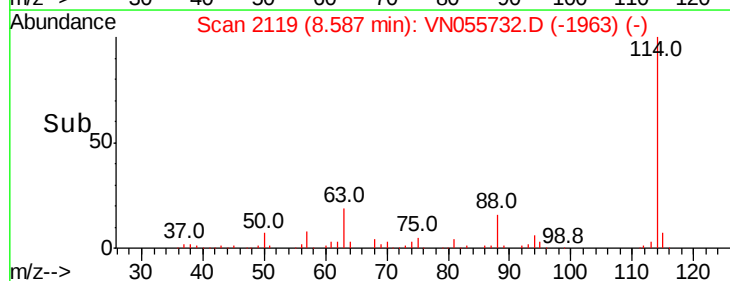
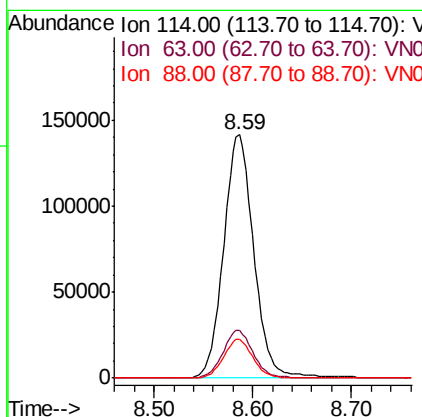
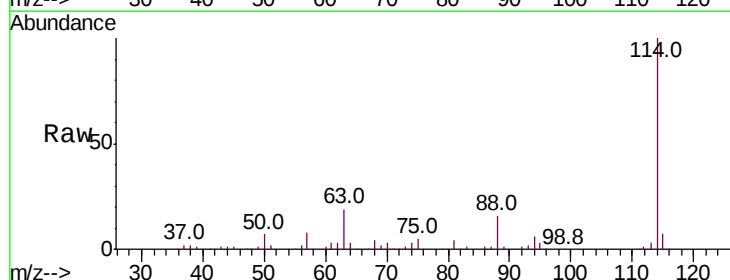
Instrument :
 MSVOA_N
 ClientSampled :
 14B-1

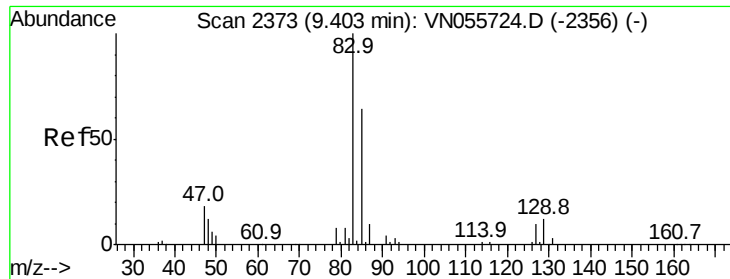
Tot Ion: 65 Resp: 114081
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055732.D
 Acq: 22 May 2019 21:32

Tgt Ion: 114 Resp: 303020
 Ion Ratio Lower Upper
 114 100
 63 19.6 15.6 23.4
 88 15.5 12.3 18.5





#41

Bromodichloromethane

Concen: 4.206 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055732.D

Acq: 22 May 2019 21:32

Instrument :

MSVOA_N

ClientSampled :

14B-1

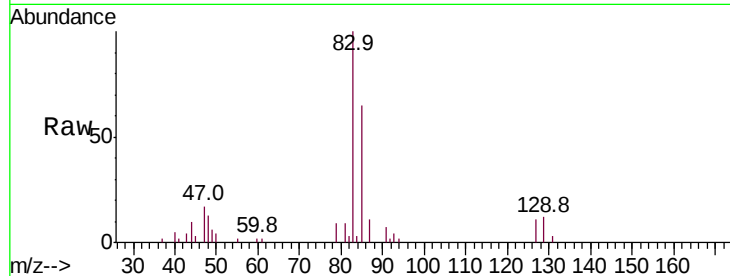
Tot Ion: 83 Resp: 19597

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0
127	10.8	7.7	11.5

83 100

85 64.6 51.4 77.0

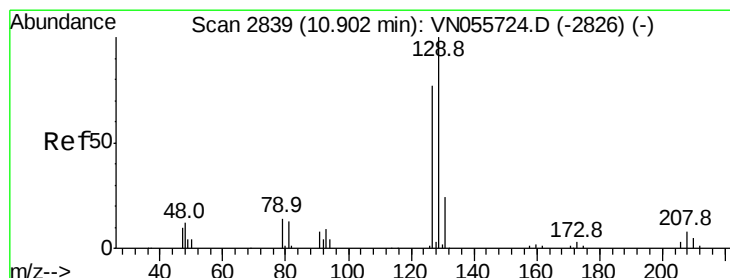
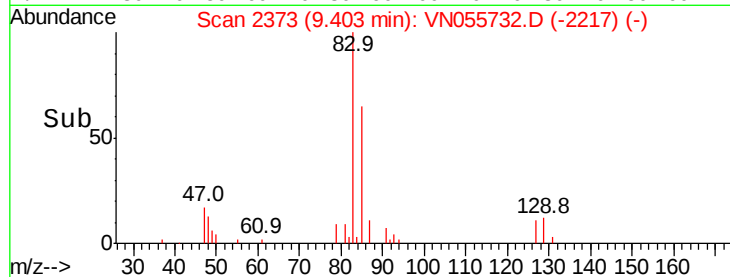
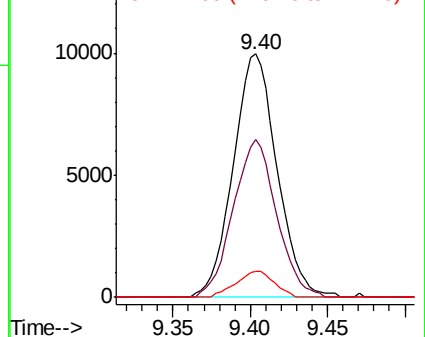
127 10.8 7.7 11.5



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): VN0



#53

Dibromochloromethane

Concen: 0.417 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055732.D

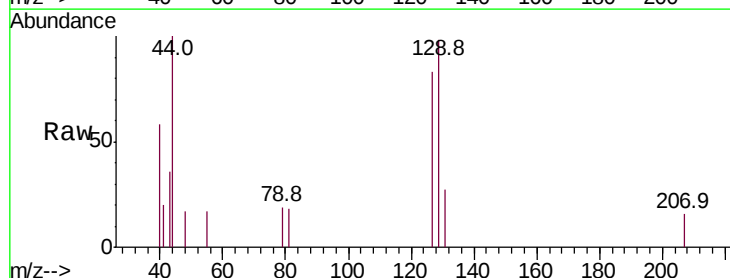
Acq: 22 May 2019 21:32

Tgt Ion: 129 Resp: 1631

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.2	117.6

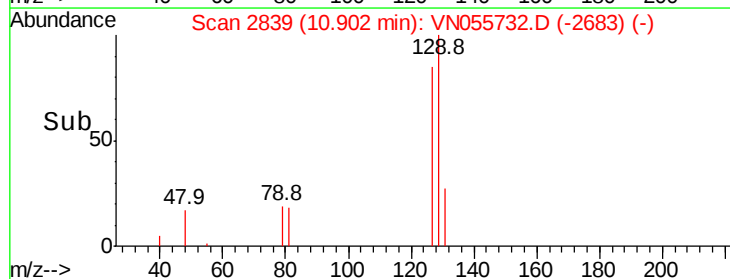
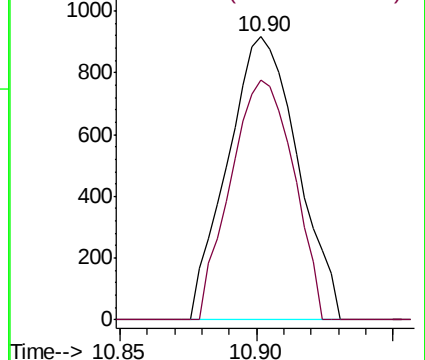
129 100

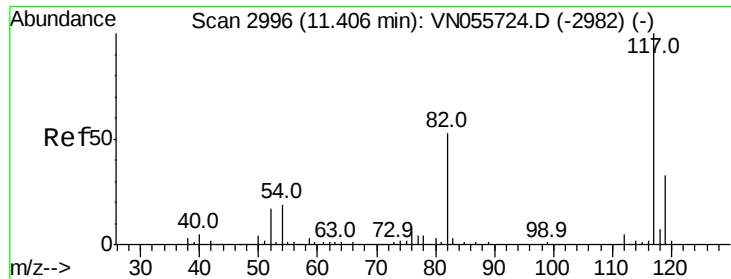
127 76.1 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): VN0

Ion 127.00 (126.70 to 127.70): VN0

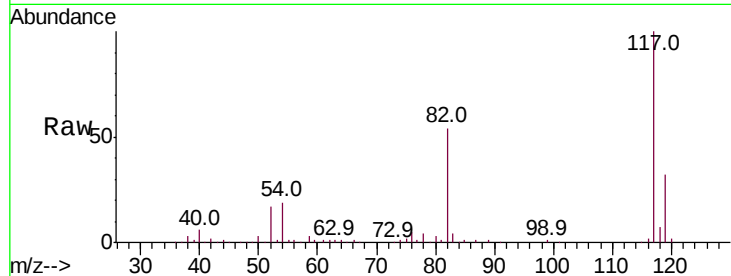




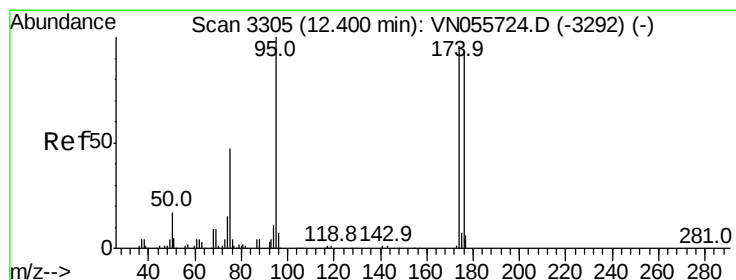
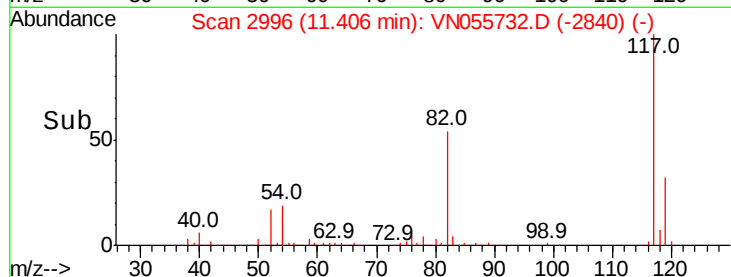
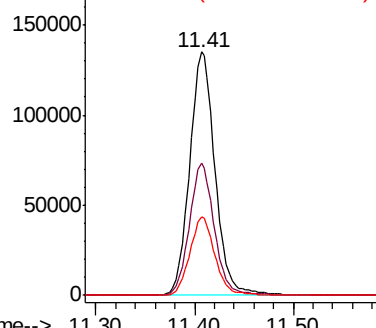
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055732.D
Acq: 22 May 2019 21:32

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tot Ion:117 Resp: 243665
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.0 25.9 38.9

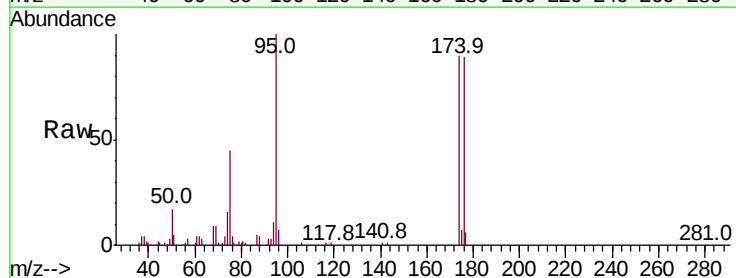


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

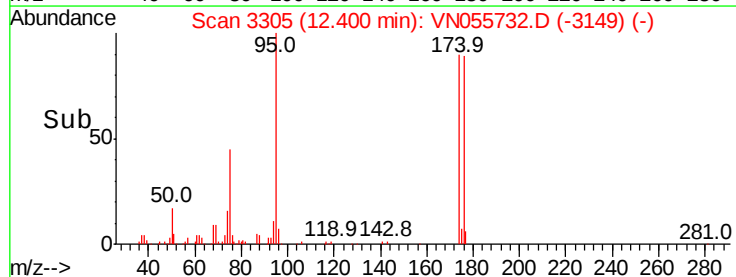
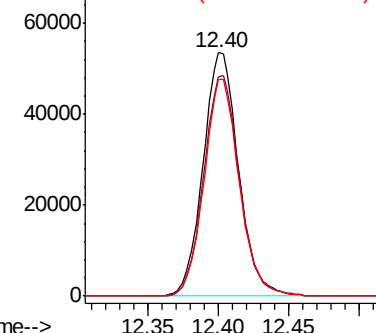


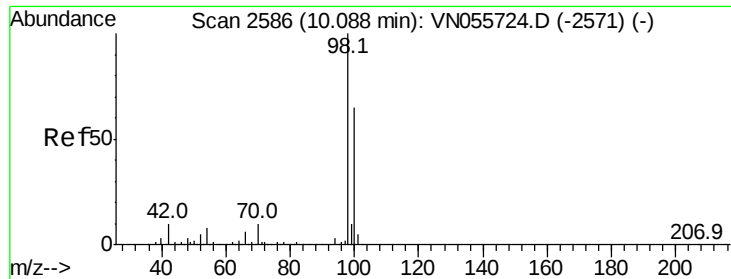
#60
4-Bromofluorobenzene
Concen: 24.871 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055732.D
Acq: 22 May 2019 21:32

Tgt Ion: 95 Resp: 94275
Ion Ratio Lower Upper
95 100
174 91.2 75.7 113.5
176 88.4 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 32.200 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055732.D

Acq: 22 May 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

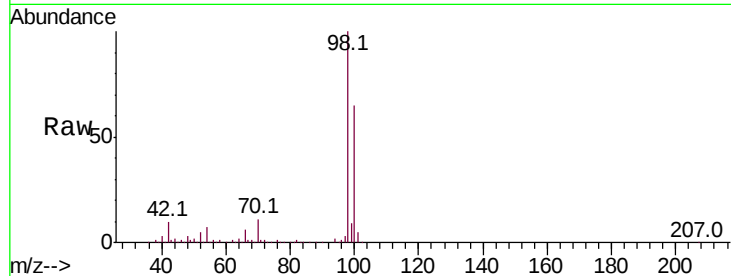
14B-1

Tot Ion: 98 Resp: 358560

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.09

200000

150000

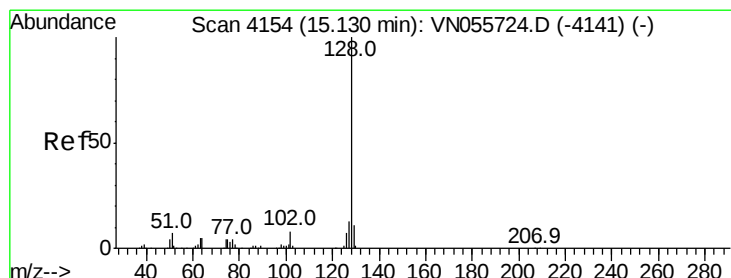
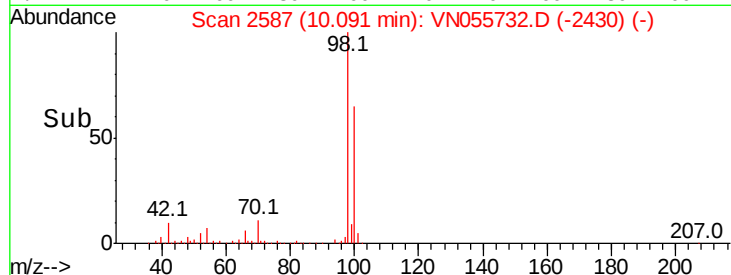
100000

50000

0

Time-->

10.00 10.10 10.20



#91

Naphthalene

Concen: 0.594 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055732.D

Acq: 22 May 2019 21:32

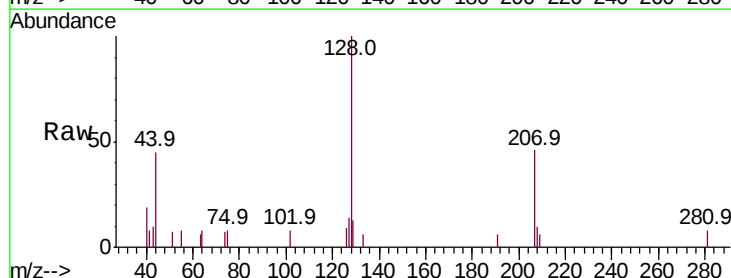
Tgt Ion:128 Resp: 5154

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

129 8.4 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

3000

2000

1000

0

Time-->

15.10 15.15

