

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049324.D
 Acq On : 16 Jun 2018 21:37
 Operator : MD\SY
 Sample : J3562-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 W-20

Quant Time: Jun 18 10:36:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1576193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2504173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2096430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	666607	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	1032171	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	939451	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	10.09	98	3469355	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
62) 4-Bromofluorobenzene	12.40	95	941507	36.91	ug/l	0.00
Spiked Amount			Recovery	=	73.82%	

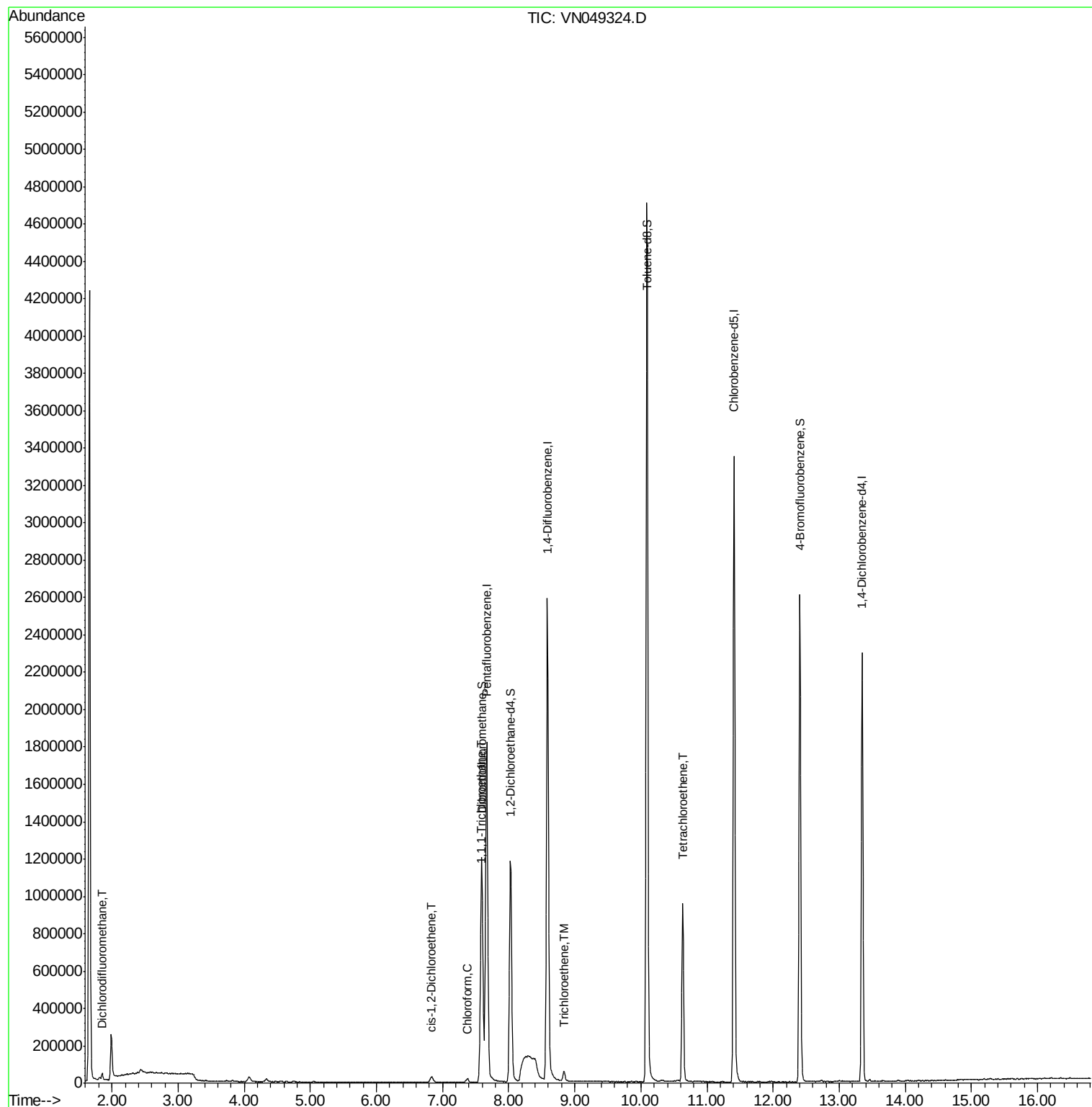
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	24935	1.37	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	13706	0.64	ug/l	82
30) Chloroform	7.37	83	18241	0.50	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	14759	0.48	ug/l #	52
44) Trichloroethene	8.84	130	20421	0.88	ug/l	94
64) Tetrachloroethene	10.63	164	239820	11.16	ug/l	97

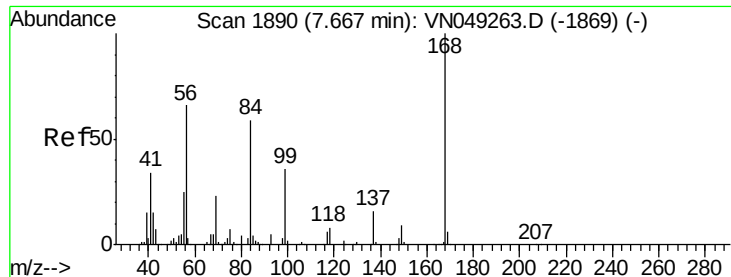
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061618\
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

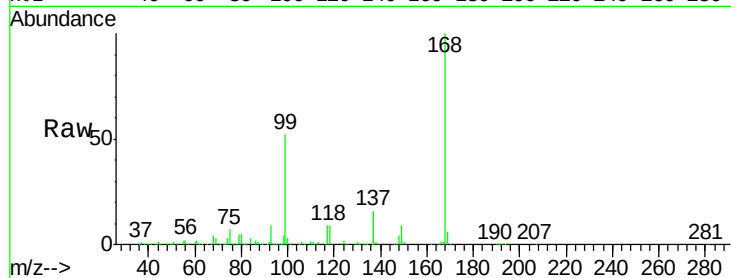
W-20

Tot Ion:168 Resp: 1576193

Ion Ratio Lower Upper

168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

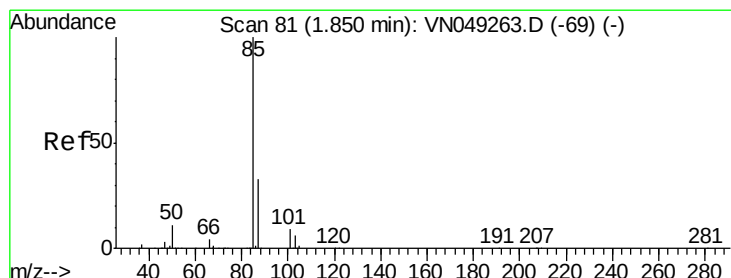
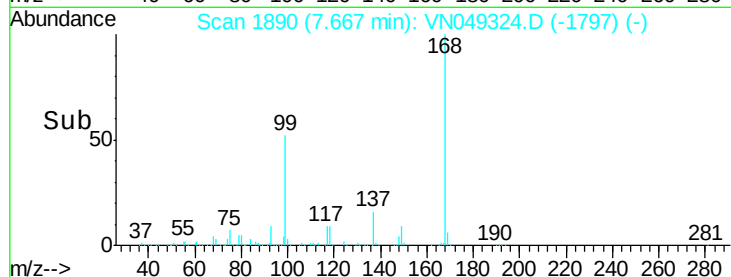
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.37 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049324.D

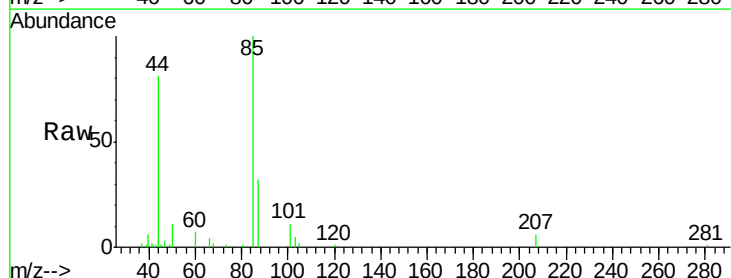
Acq: 16 Jun 2018 21:37

Tgt Ion: 85 Resp: 24935

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

20000

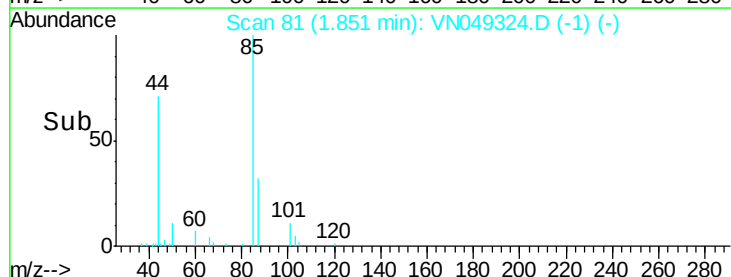
15000

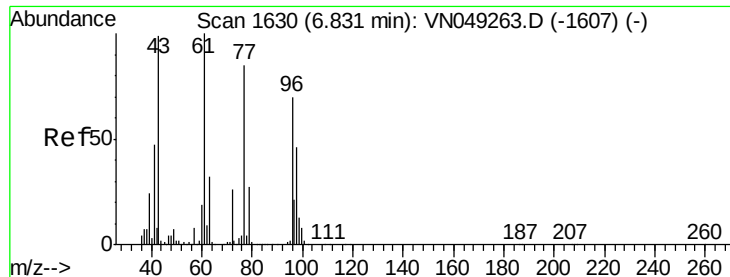
10000

5000

0

Time--> 1.80 1.85 1.90





#27

cis-1,2-Dichloroethene

Concen: 0.64 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampled :

W-20

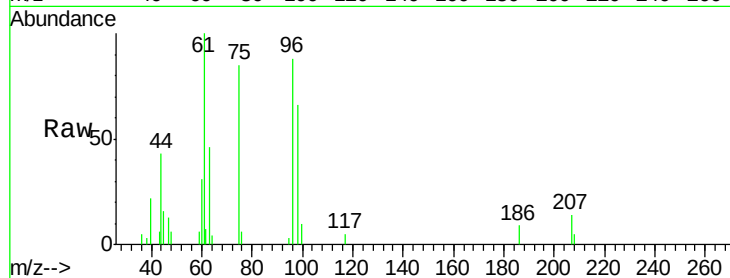
Tot Ion: 96 Resp: 13706

Ion Ratio Lower Upper

96 100

61 125.9 0.0 316.4

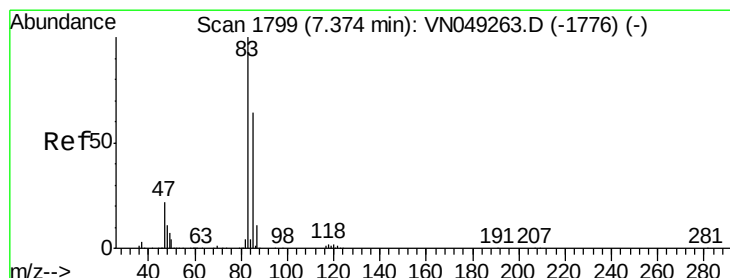
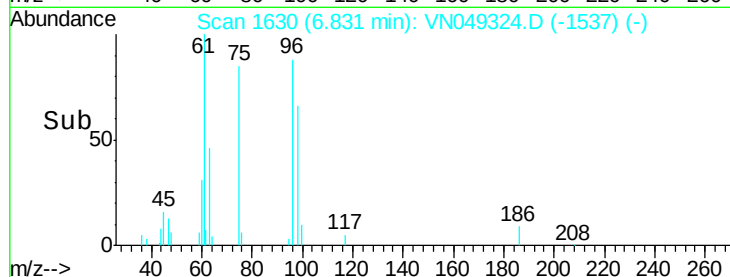
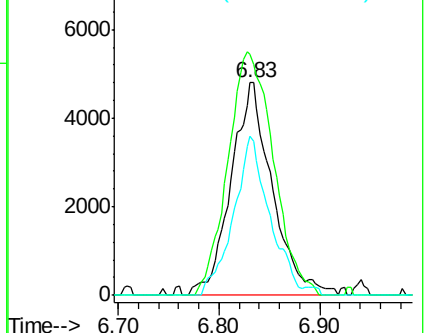
98 64.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049324.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN049324.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN049324.D (-1537) (-)



#30

Chloroform

Concen: 0.50 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049324.D

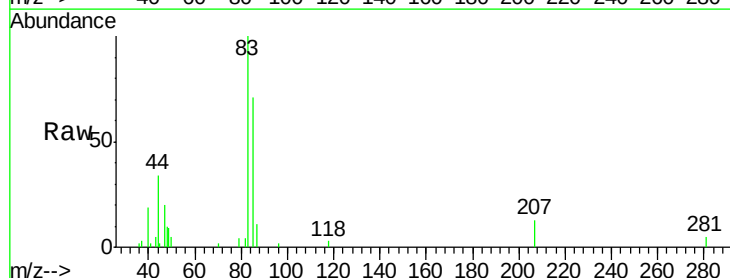
Acq: 16 Jun 2018 21:37

Tgt Ion: 83 Resp: 18241

Ion Ratio Lower Upper

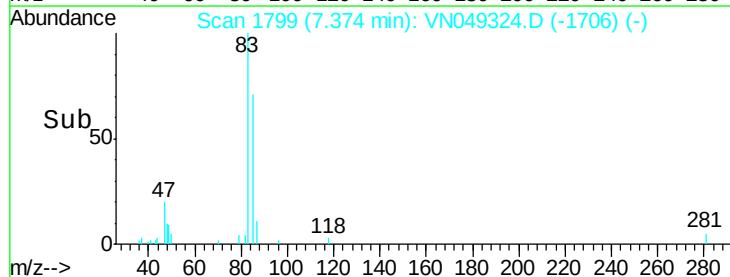
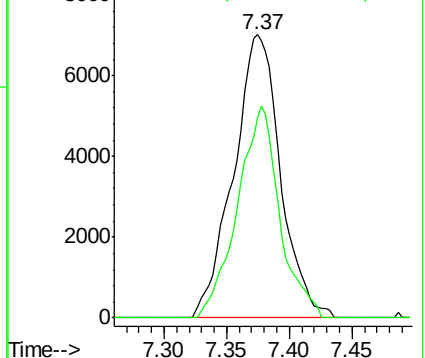
83 100

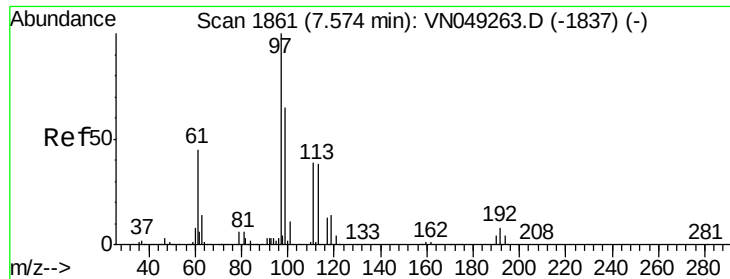
85 70.8 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049324.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049324.D (-1706) (-)





#32

1,1,1-Trichloroethane

Concen: 0.48 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

W-20

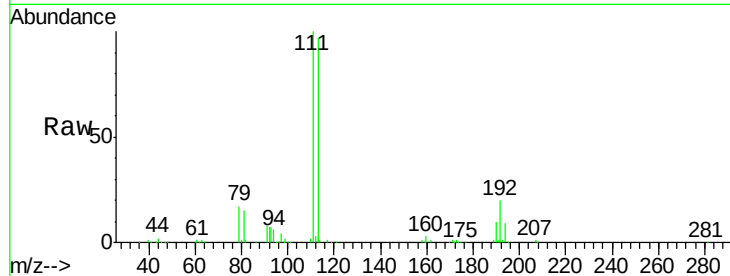
Tot Ion: 97 Resp: 14759

Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

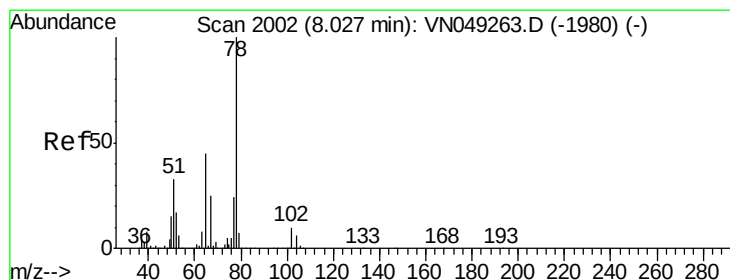
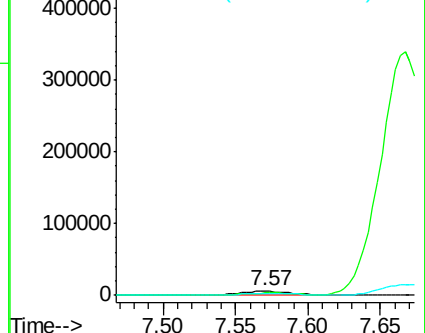
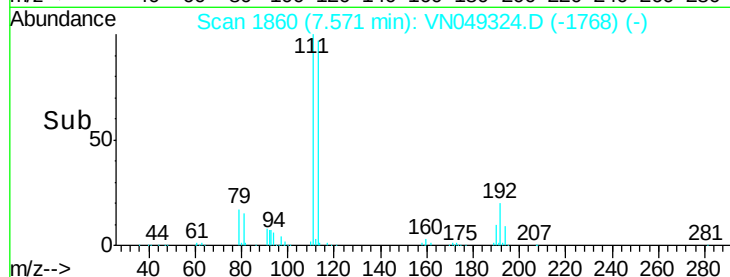
61 45.2 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VN049324.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049324.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049324.D (-1768) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.37 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049324.D

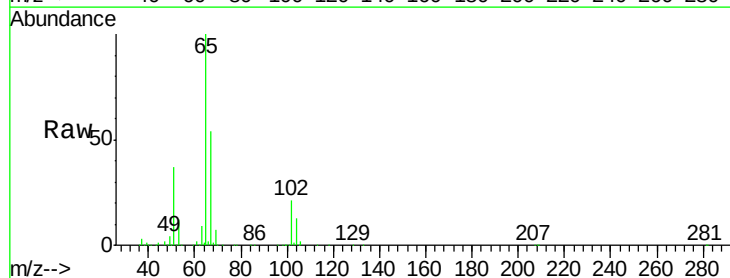
Acq: 16 Jun 2018 21:37

Tgt Ion: 65 Resp: 1032171

Ion Ratio Lower Upper

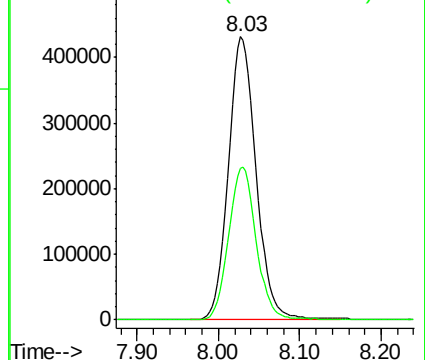
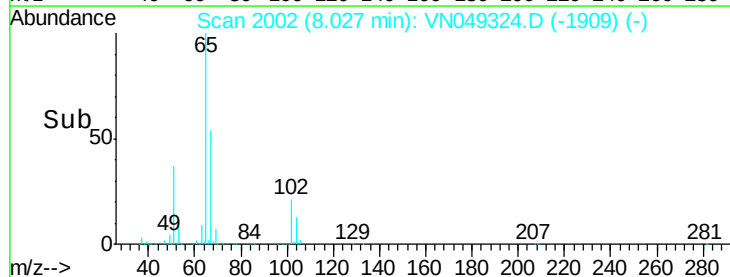
65 100

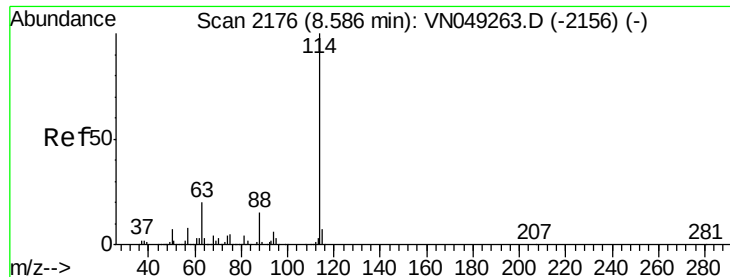
67 53.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049324.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049324.D (-1909) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampled :

W-20

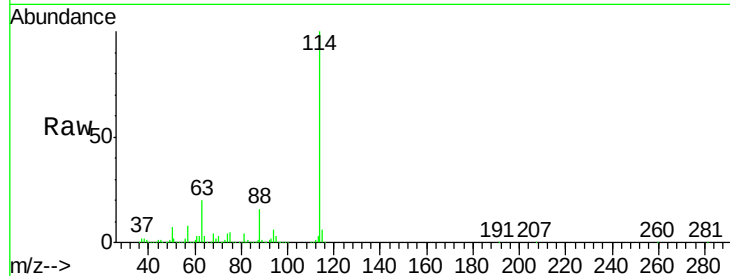
Tot Ion:114 Resp: 2504173

Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.4

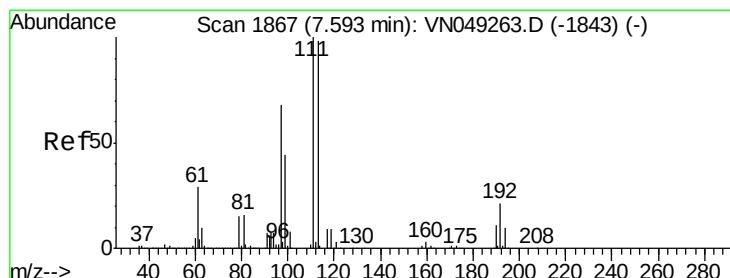
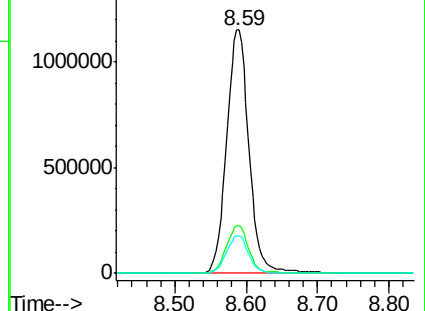
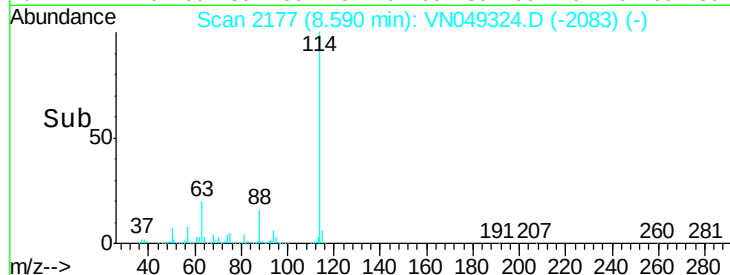
88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 46.37 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

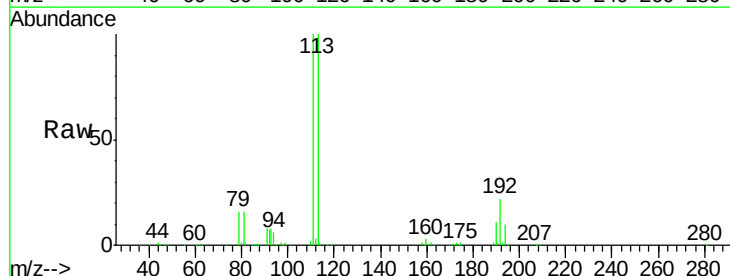
Tgt Ion:113 Resp: 939451

Ion Ratio Lower Upper

113 100

111 101.0 82.4 123.6

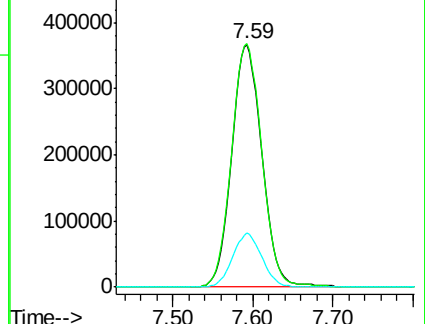
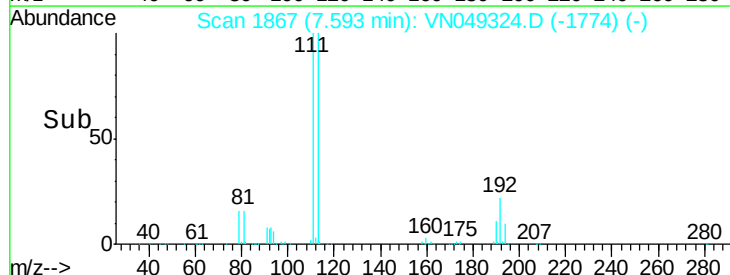
192 21.6 15.0 22.6

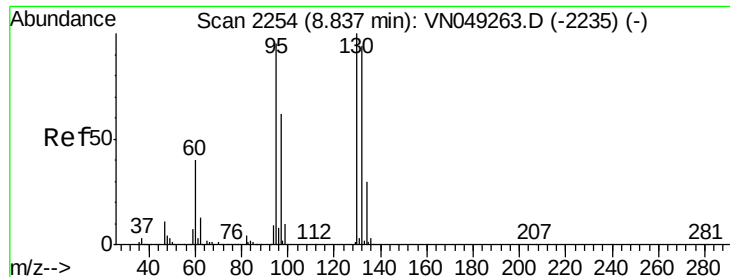


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.88 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampled :

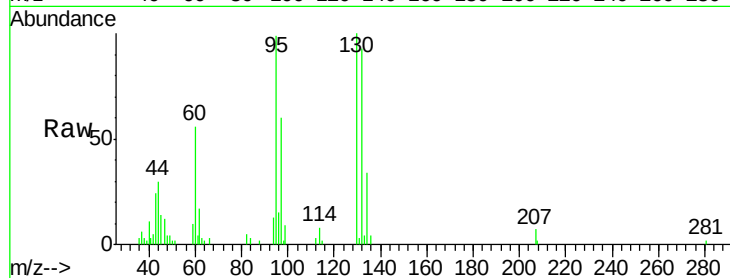
W-20

Tot Ion:130 Resp: 20421

Ion Ratio Lower Upper

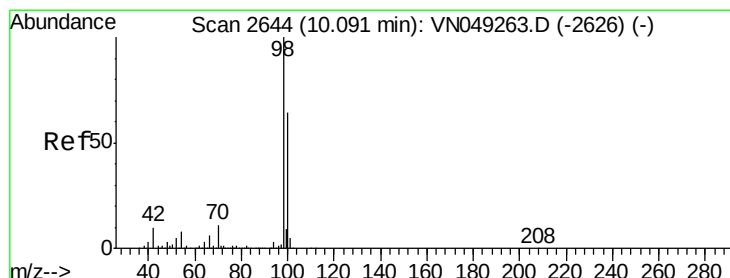
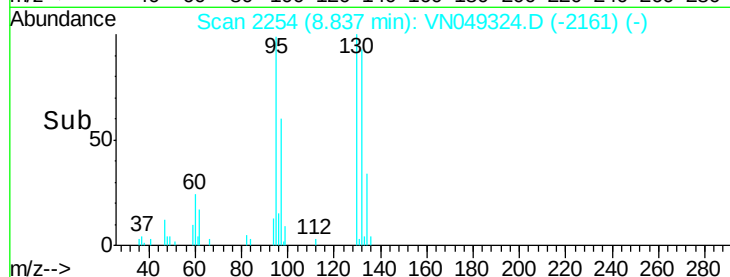
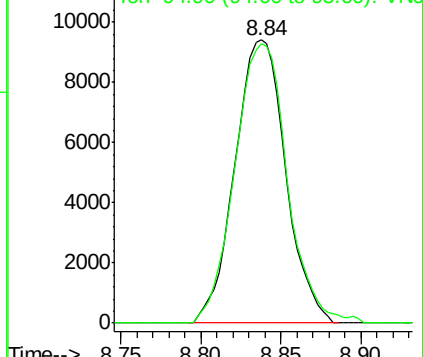
130 100

95 98.6 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#50

Toluene-d8

Concen: 44.97 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049324.D

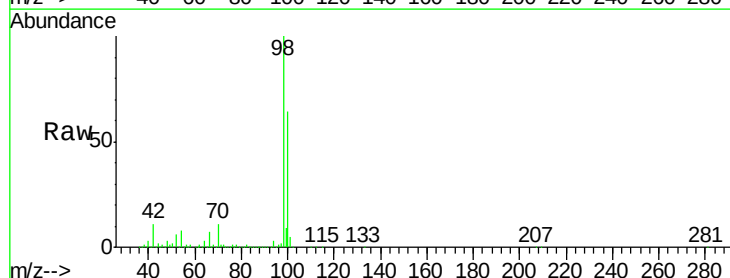
Acq: 16 Jun 2018 21:37

Tgt Ion: 98 Resp: 3469355

Ion Ratio Lower Upper

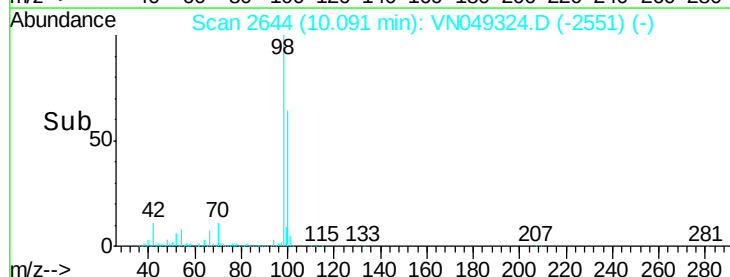
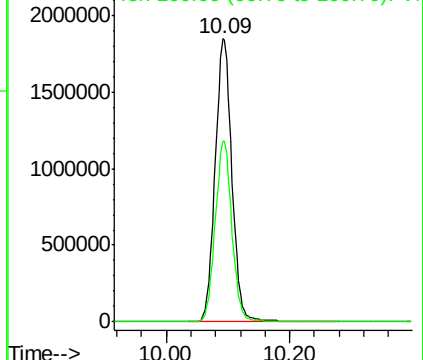
98 100

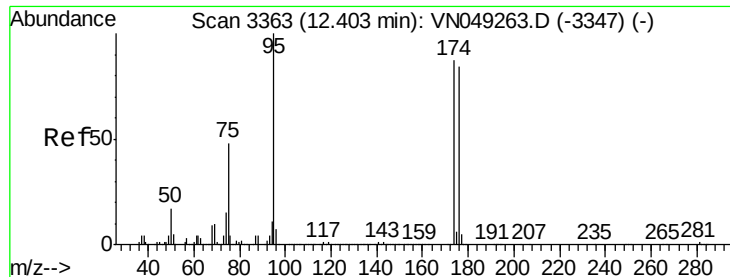
100 63.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 36.91 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

W-20

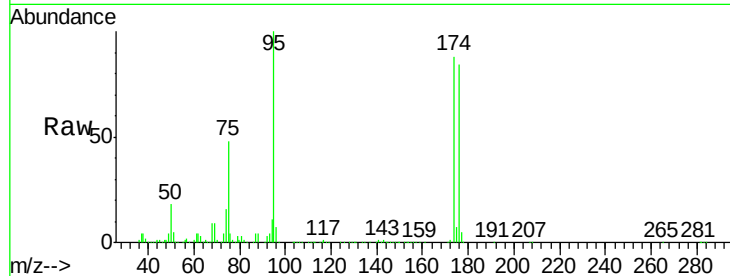
Tot Ion: 95 Resp: 941507

Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.6

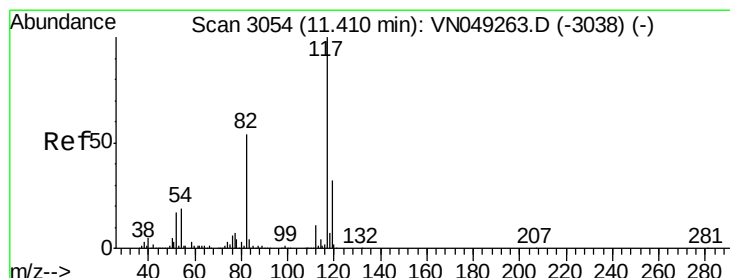
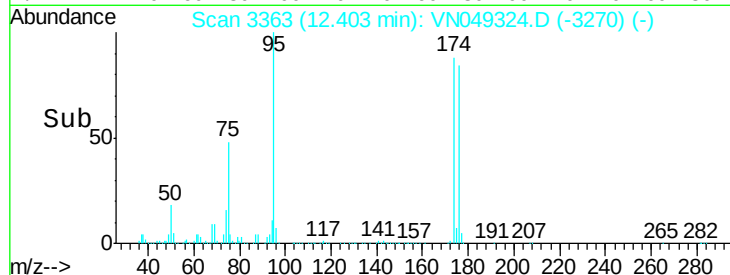
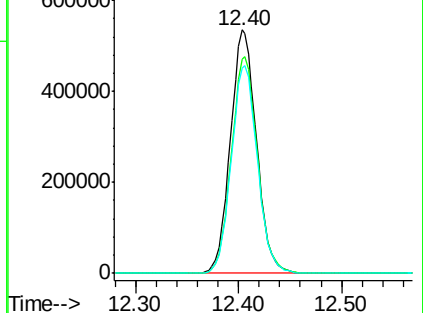
176 85.6 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049324.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049324.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049324.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

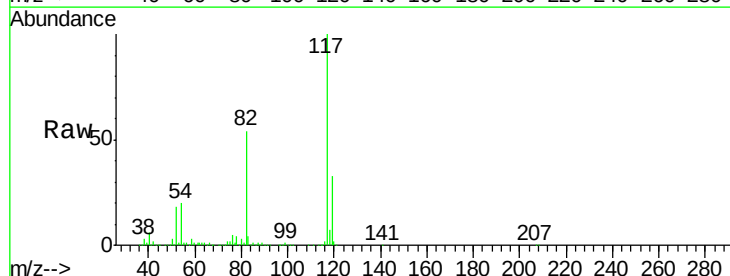
Tgt Ion: 117 Resp: 2096430

Ion Ratio Lower Upper

117 100

82 54.3 45.9 68.9

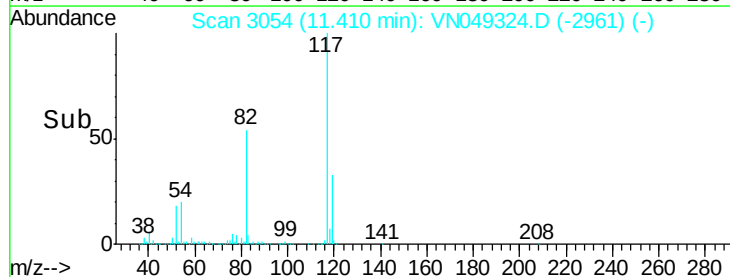
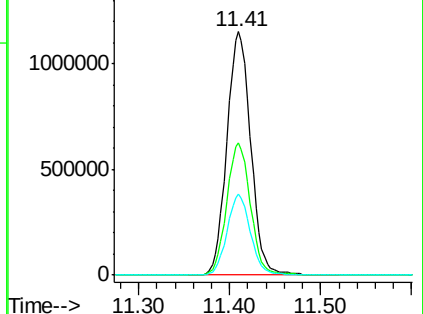
119 33.1 25.5 38.3

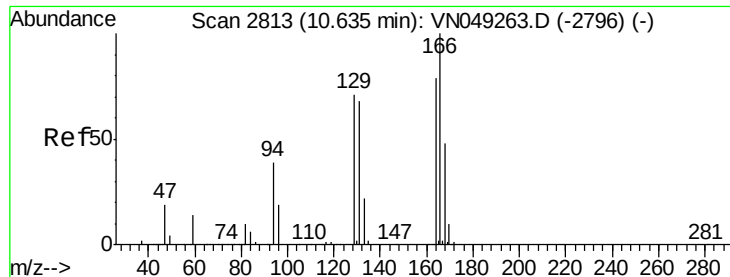


Abundance Ion 116.90 (116.60 to 117.60): VN049324.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049324.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049324.D (-2961) (-)

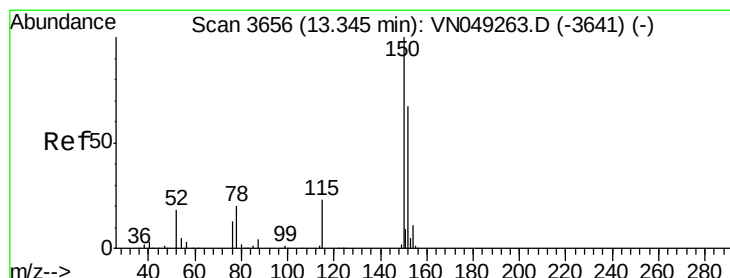
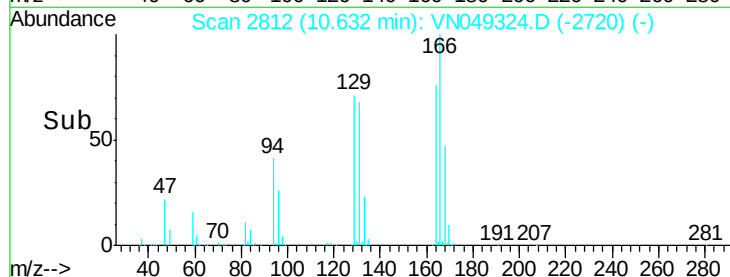
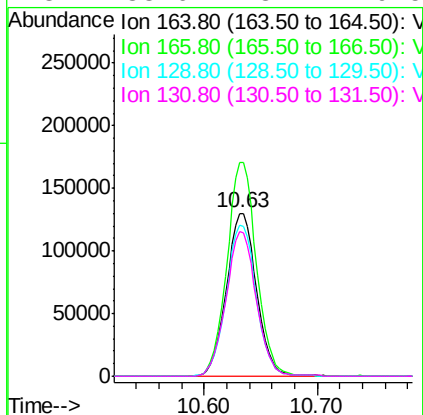
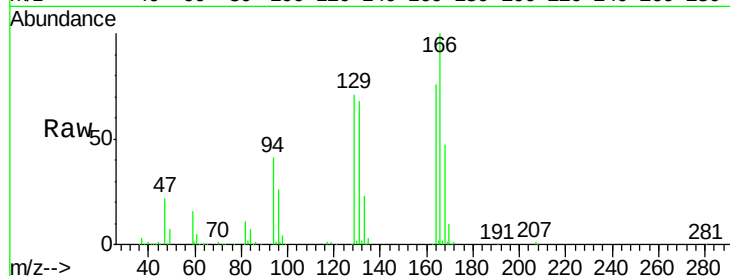




#64
Tetrachloroethene
Concen: 11.16 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Instrument :
MSVOA_N
ClientSampled :
W-20

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.4	152.2
129	92.5	74.1	111.1
131	88.6	73.7	110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.7	86.1
150	154.9	0.0	351.0

