

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058248.D
 Acq On : 20 Sep 2019 14:31
 Operator : JC/SP
 Sample : K4974-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D3-20190917

Manual Integrations
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Quant Time: Sep 23 04:49:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	495588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	809903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273337	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	355175	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
35) Dibromofluoromethane	7.57	113	246016	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	10.08	98	1017186	53.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.41	95	321508	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10894	2.719	ug/l	98
16) Acetone	3.80	43	11777	5.026	ug/l	91
27) cis-1,2-Dichloroethene	6.81	96	3145m	0.626	ug/l	
38) Carbon Tetrachloride	7.76	117	4173m	0.711	ug/l	
44) Trichloroethene	8.82	130	374656	85.823	ug/l	99
64) Tetrachloroethene	10.63	164	3864	1.151	ug/l	92

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

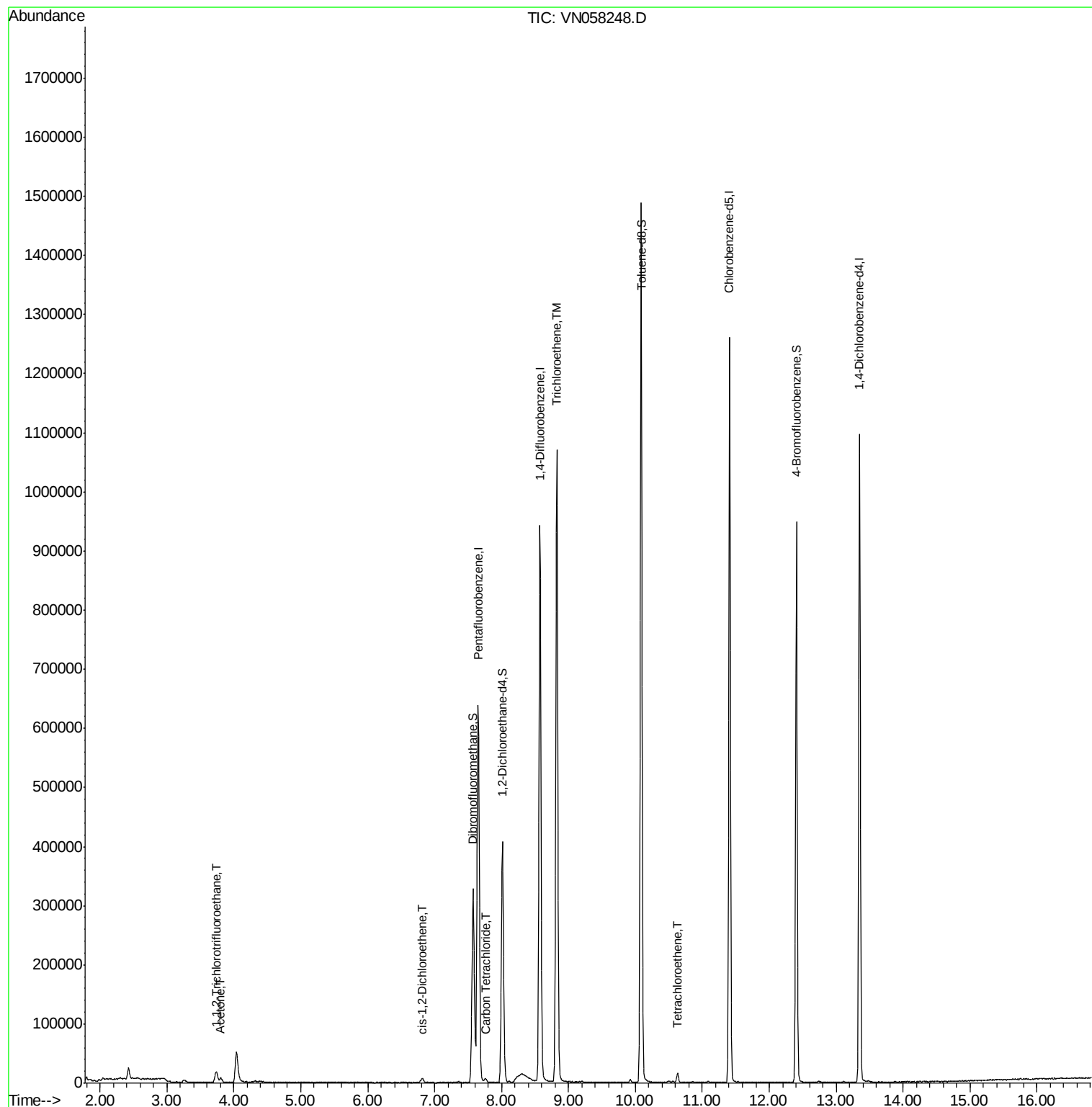
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092019\
Data File : VN058248.D
Acq On : 20 Sep 2019 14:31
Operator : JC/SP
Sample : K4974-12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

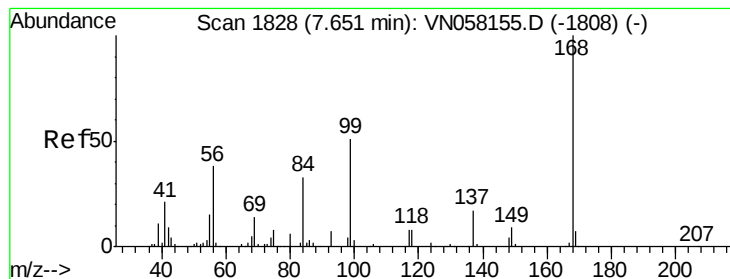
Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20190917

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Quant Time: Sep 23 04:49:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058248.D

Acq: 20 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

RE109D3-20190917

Tot Ion:168 Resp: 495588

Ion Ratio Lower Upper

168 100

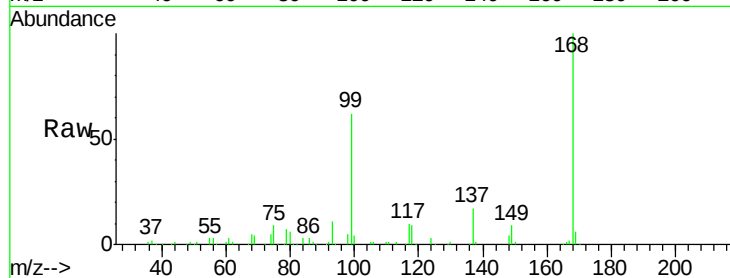
99 61.4 47.4 71.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

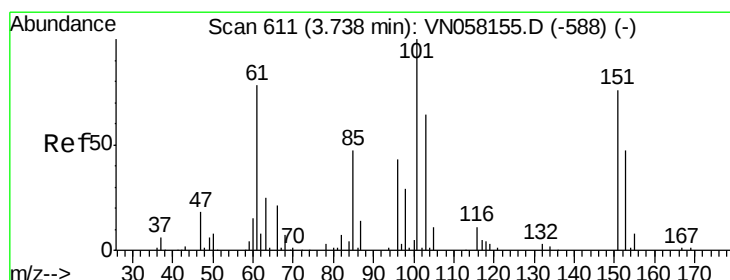
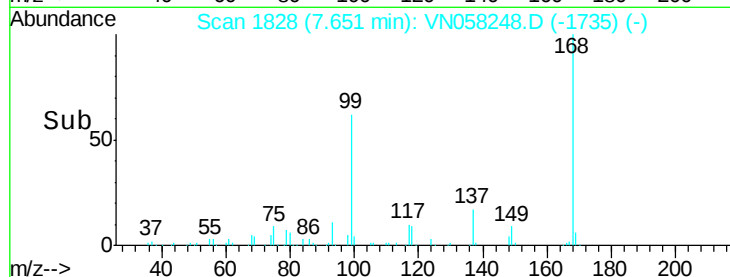
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.719 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058248.D

Acq: 20 Sep 2019 14:31

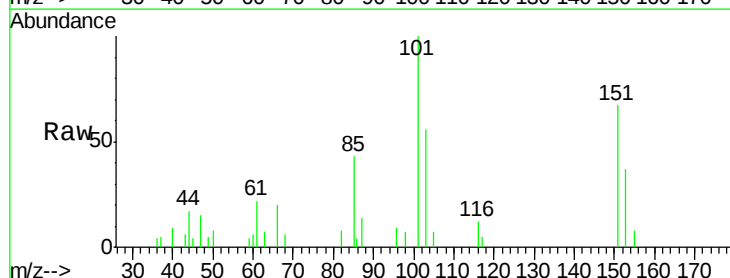
Tgt Ion:101 Resp: 10894

Ion Ratio Lower Upper

101 100

85 47.9 37.3 55.9

151 72.8 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.73

5000

4000

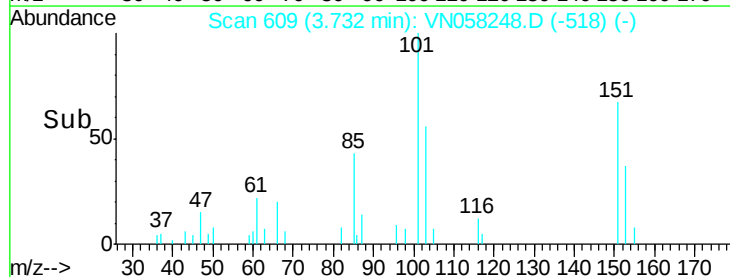
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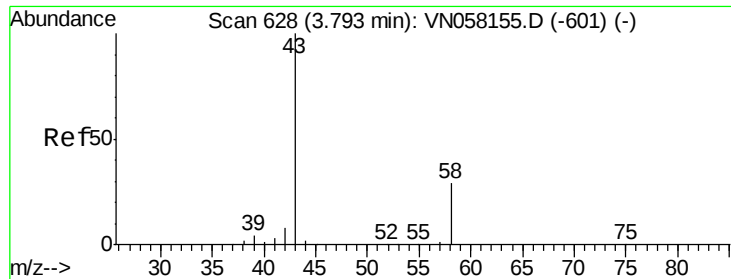
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1000

0

Time-->





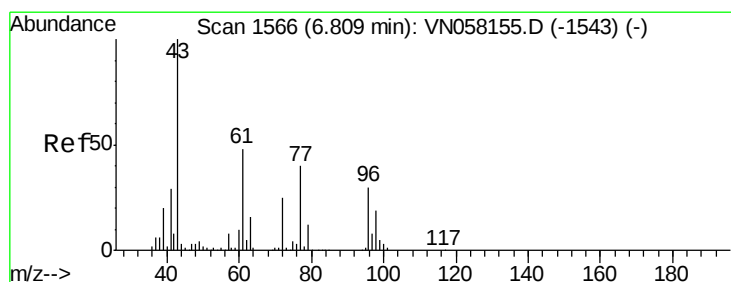
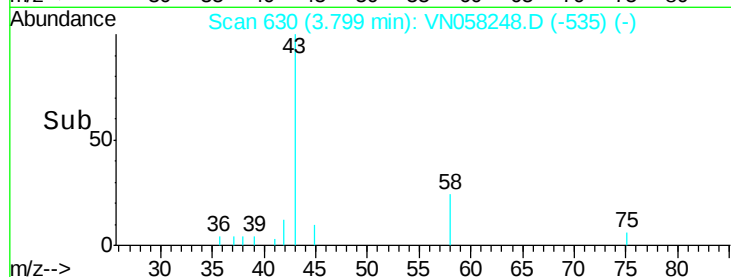
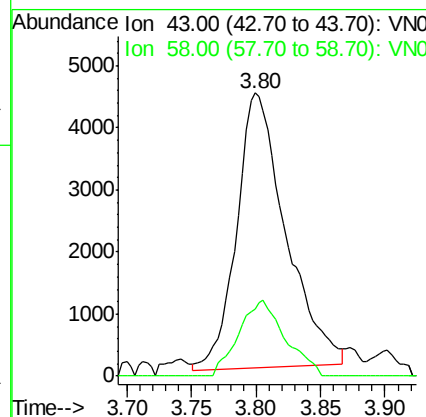
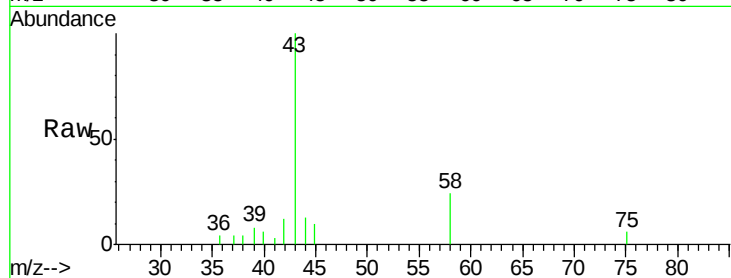
#16
Acetone
Concen: 5.026 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN058248.D
Acq: 20 Sep 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20190917

Tot Ion: 43 Resp: 11777
Ion Ratio Lower Upper
43 100
58 24.5 23.4 35.2

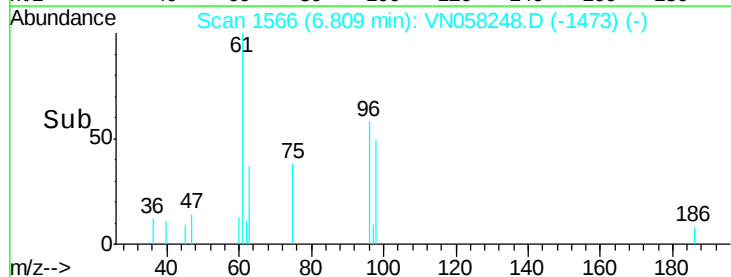
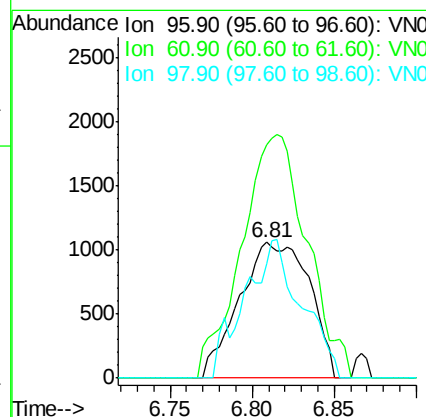
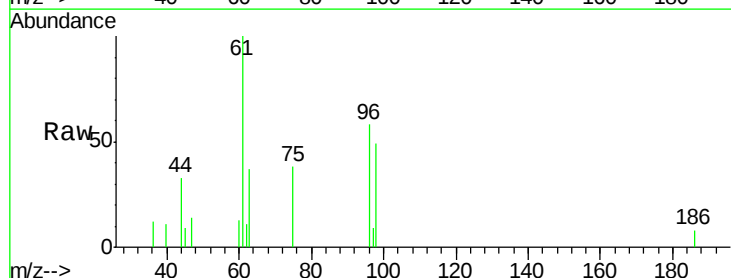
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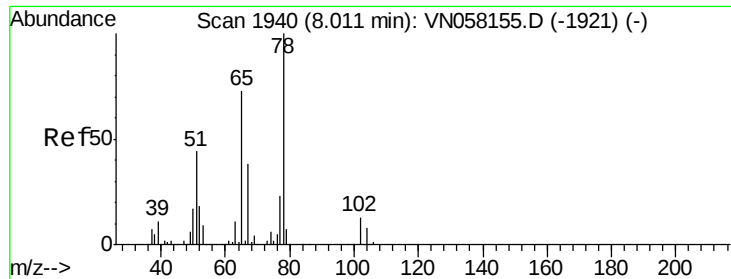
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#27
cis-1,2-Dichloroethene
Concen: 0.626 ug/l m
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN058248.D
Acq: 20 Sep 2019 14:31

Tgt Ion: 96 Resp: 3145
Ion Ratio Lower Upper
96 100
61 167.7 0.0 319.0
98 76.4 0.0 126.6





#33

1,2-Dichloroethane-d4

Concen: 51.456 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058248.D

Acq: 20 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

RE109D3-20190917

Tot Ion: 65 Resp: 355175

Ion Ratio Lower Upper

65 100

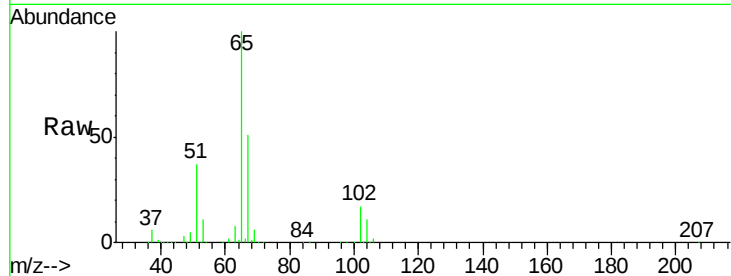
67 50.9 0.0 103.4

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

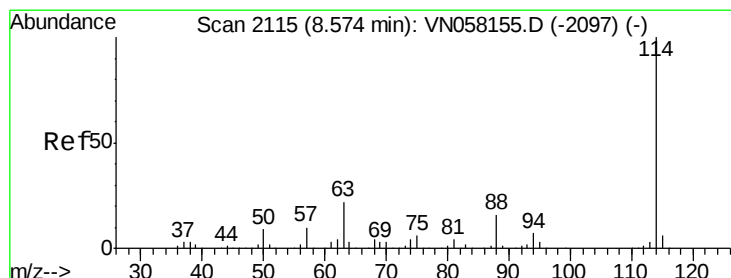
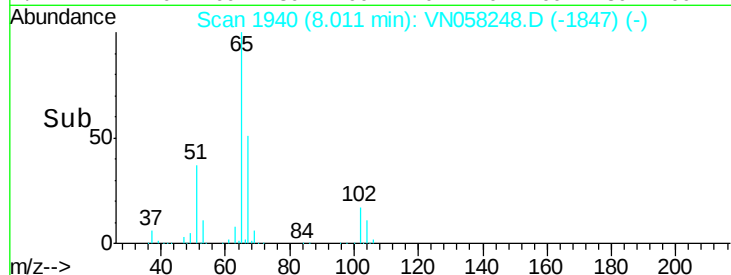
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058248.D

Acq: 20 Sep 2019 14:31

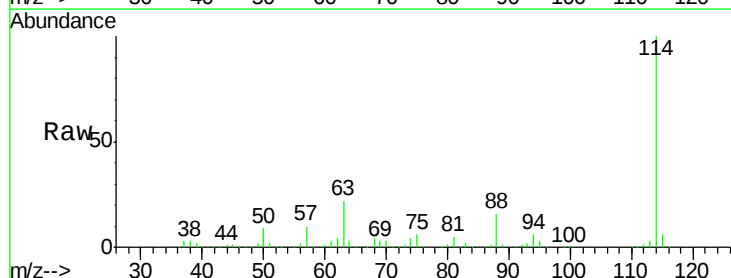
Tgt Ion: 114 Resp: 809903

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

500000

400000

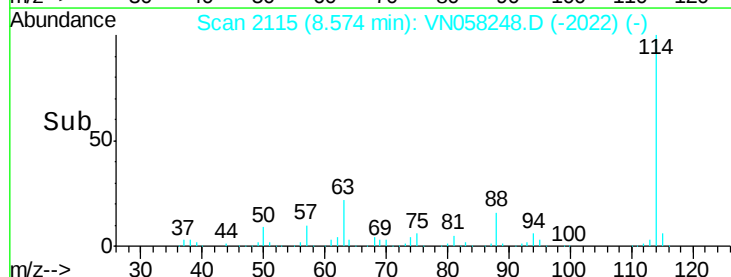
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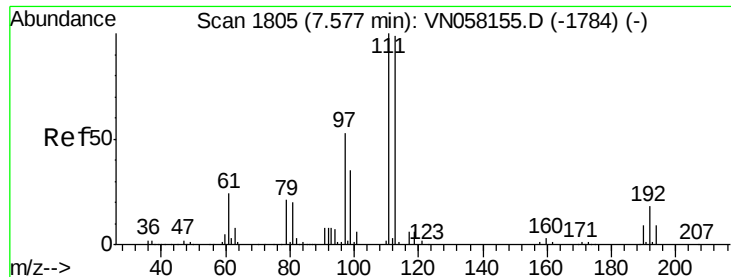
200000

100000

0

Time--> 8.50 8.60 8.70





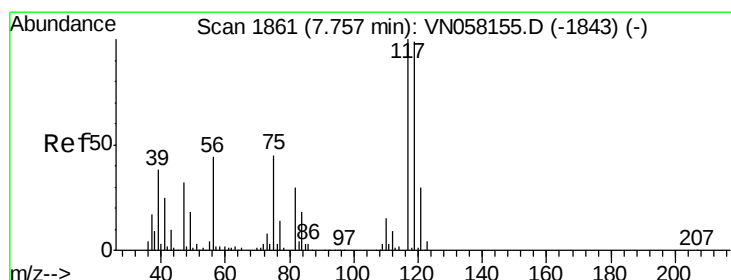
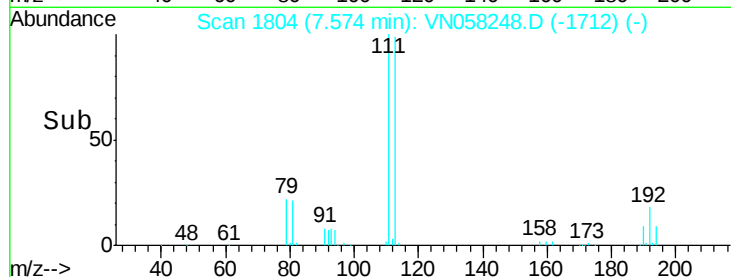
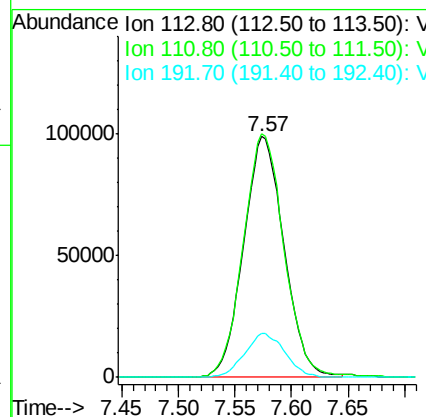
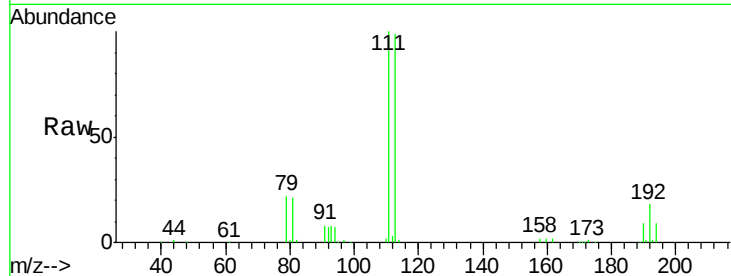
#35
 Dibromofluoromethane
 Concen: 49.967 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058248.D
 Acq: 20 Sep 2019 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D3-20190917

Tot Ion	Ratio	Resp	Lower	Upper
113	100	246016		
111	102.5		81.8	122.6
192	18.2		14.5	21.7

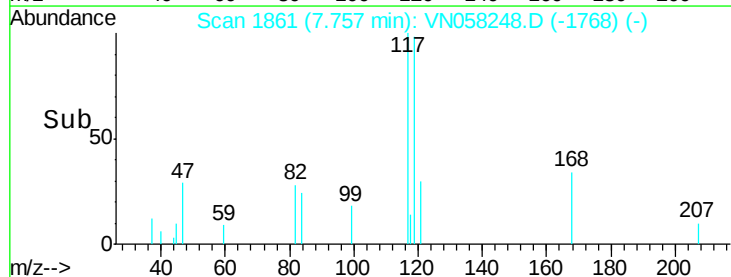
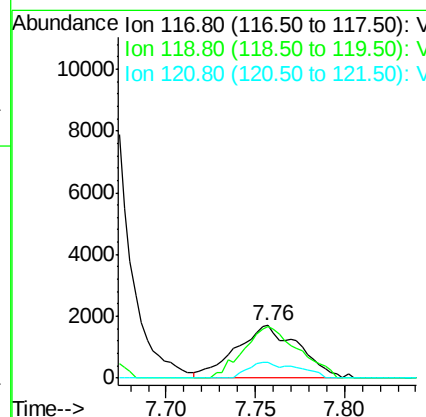
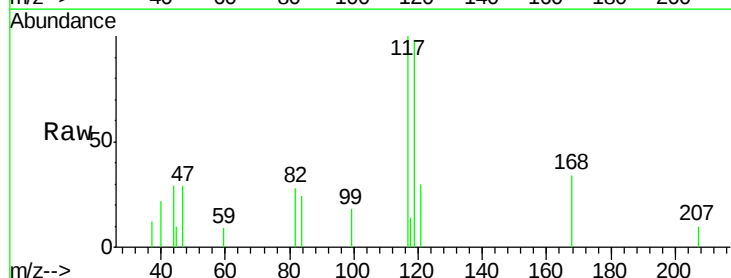
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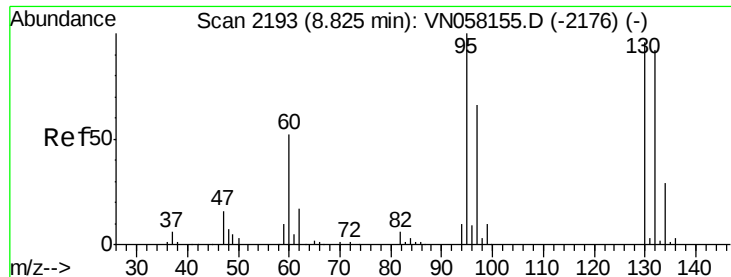
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#38
 Carbon Tetrachloride
 Concen: 0.711 ug/l m
 RT: 7.76 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VN058248.D
 Acq: 20 Sep 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	4173		
119	97.7		78.6	117.8
121	30.2		24.1	36.1





#44

Trichloroethene

Concen: 85.823 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058248.D

Acq: 20 Sep 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

RE109D3-20190917

Tot Ion:130 Resp: 374656

Ion Ratio Lower Upper

130 100

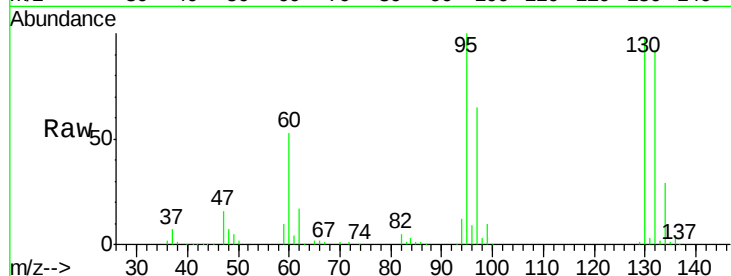
95 102.6 0.0 207.8

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.82

200000

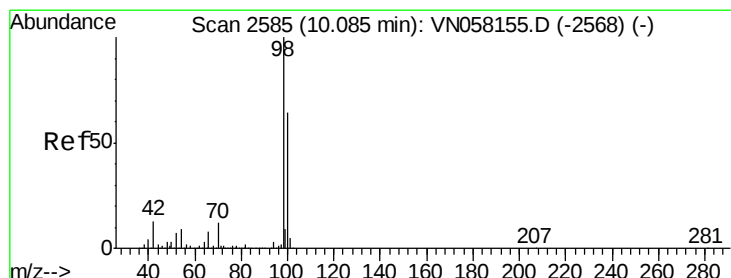
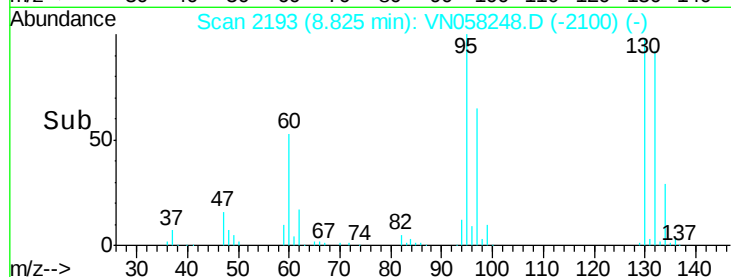
150000

100000

50000

0

Time--> 8.70 8.80 8.90



#50

Toluene-d8

Concen: 53.025 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058248.D

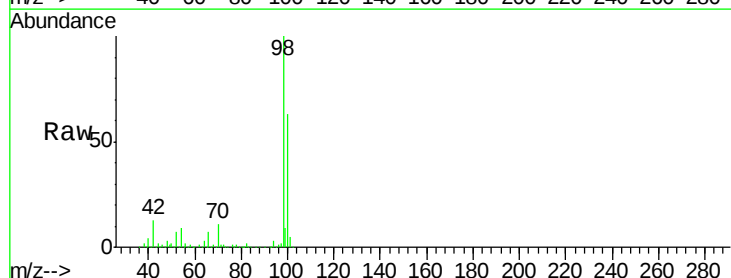
Acq: 20 Sep 2019 14:31

Tgt Ion: 98 Resp: 1017186

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.08

600000

500000

400000

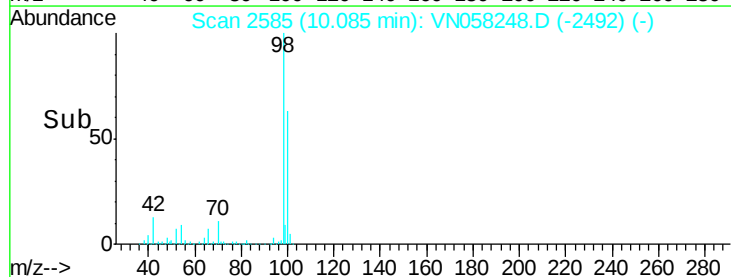
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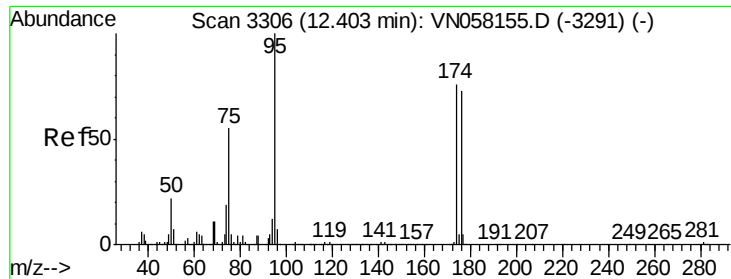
200000

100000

0

Time--> 10.00 10.10 10.20





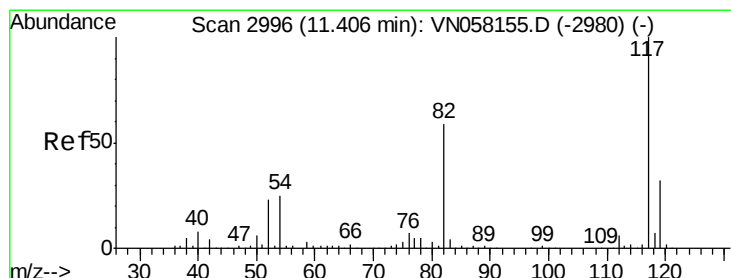
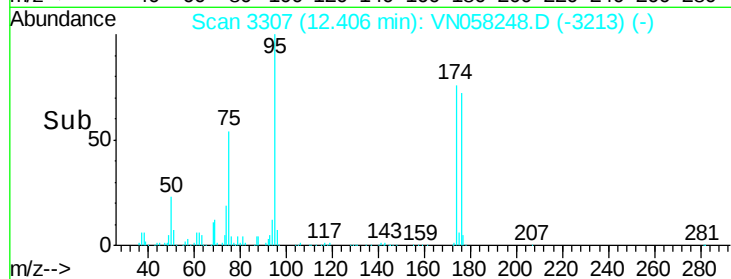
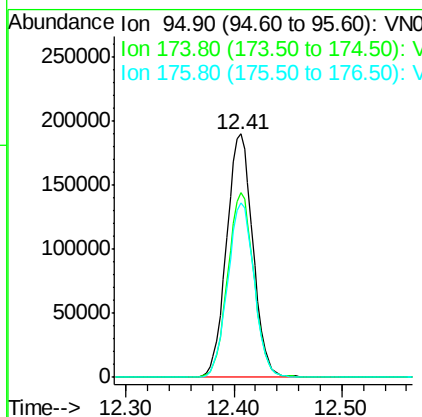
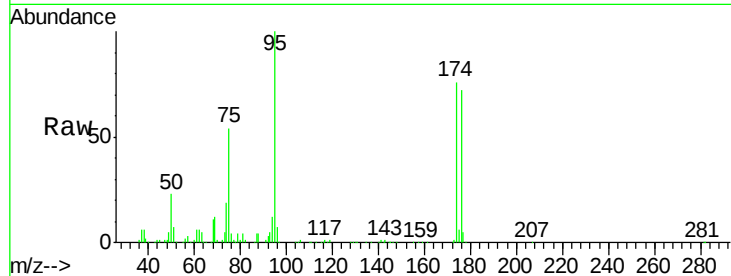
#62
4-Bromofluorobenzene
Concen: 45.119 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058248.D
Acq: 20 Sep 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20190917

Tot Ion	Ratio	Resp	Lower	Upper
95	100	321508		
174	75.2	0.0	152.2	
176	72.0	0.0	148.0	

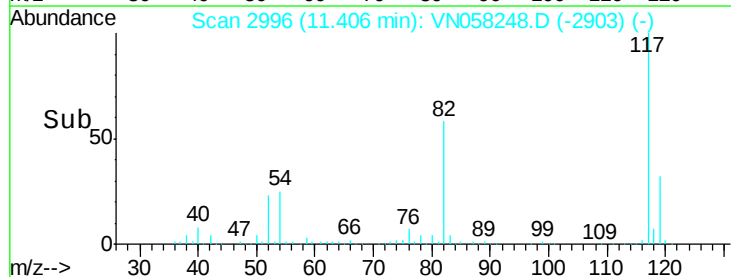
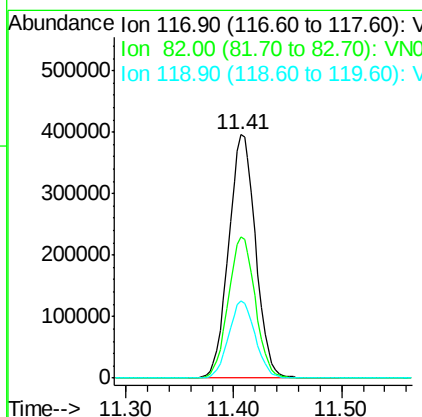
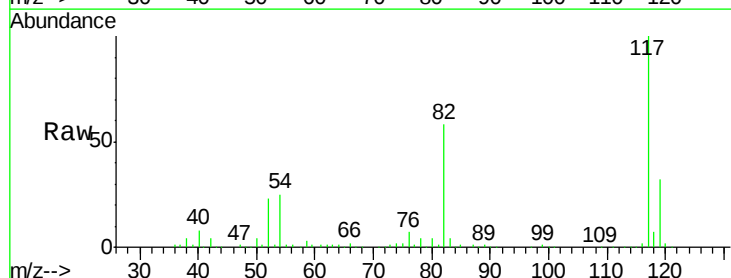
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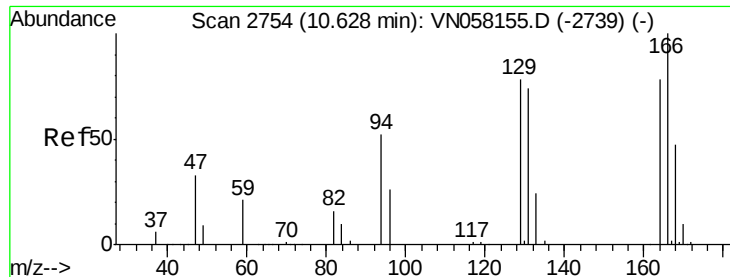
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058248.D
Acq: 20 Sep 2019 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	688524		
82	57.7	46.9	70.3	
119	31.7	25.3	37.9	





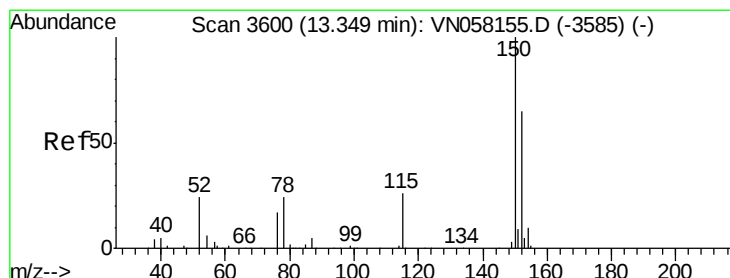
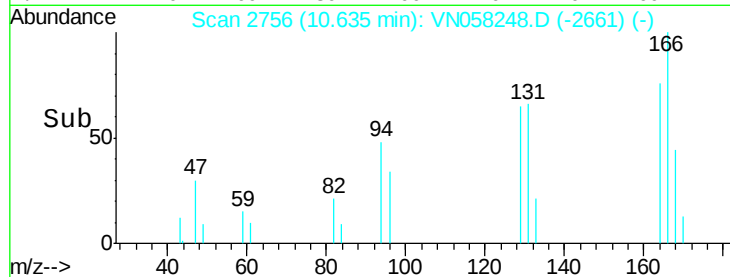
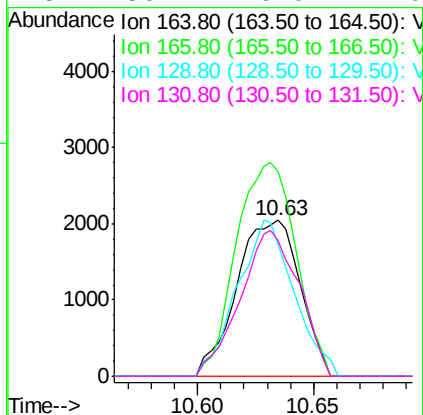
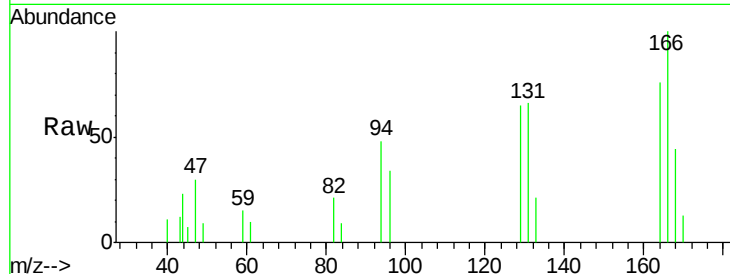
#64
Tetrachloroethene
Concen: 1.151 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.01 min
Lab File: VN058248.D
Acq: 20 Sep 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
RE109D3-20190917

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.2	153.4
129	84.9	79.6	119.4
131	86.7	76.0	114.0

Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058248.D
Acq: 20 Sep 2019 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.1	90.3
150	157.4	0.0	346.4

