

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058250.D
 Acq On : 20 Sep 2019 15:15
 Operator : JC/SP
 Sample : K4974-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20190916

Manual Integrations
 APPROVED

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 9/23/2019 3:30:18 PM

Quant Time: Sep 23 04:56:00 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	484345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	791192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	680170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274968	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	355233	52.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.32%	
35) Dibromofluoromethane	7.57	113	246381	51.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.44%	
50) Toluene-d8	10.08	98	1004090	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.41	95	321206	46.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.28%	
Target Compounds						
9) 1,1,2-Trichlorotrifluoroet	3.74	101	69033	17.630	ug/l	98
12) 1,1-Dichloroethene	3.72	96	2055m	0.338	ug/l	
27) cis-1,2-Dichloroethene	6.81	96	10524	2.143	ug/l	89
44) Trichloroethene	8.82	130	610881	143.244	ug/l	99
64) Tetrachloroethene	10.63	164	60091	18.123	ug/l	98

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

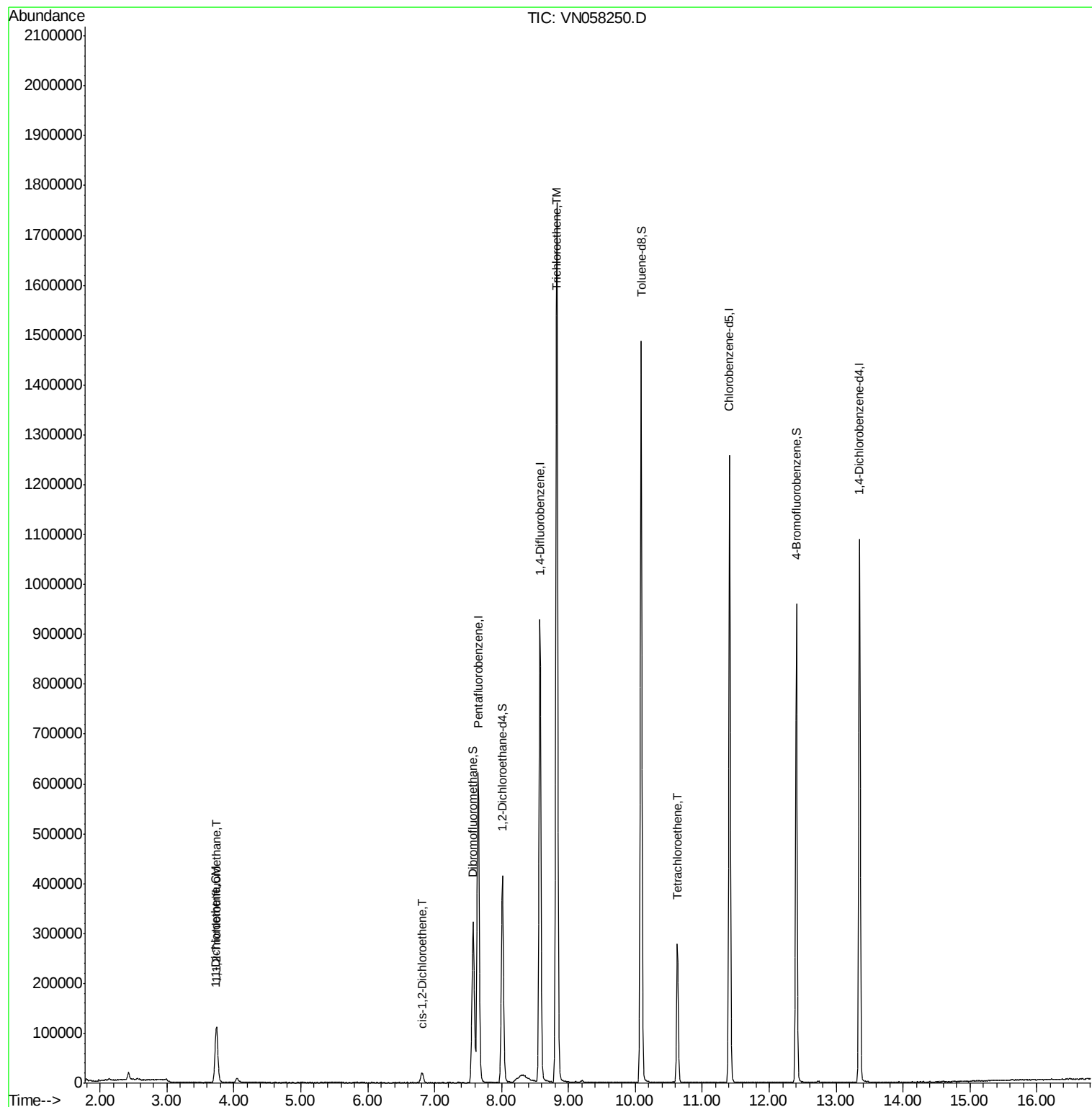
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092019\
Data File : VN058250.D
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Operator : JC/SP
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Quant Time: Sep 23 04:56:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : 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: VN058250.D

Acq: 20 Sep 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190916

Tot Ion:168 Resp: 484345

Ion Ratio Lower Upper

168 100

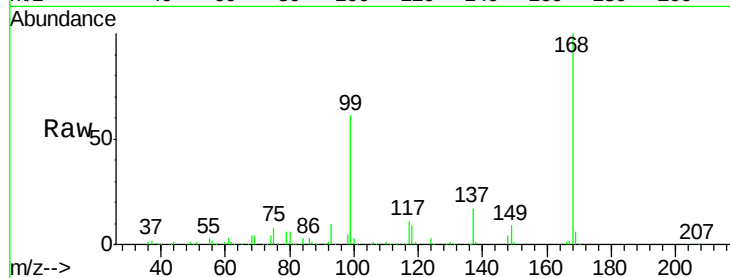
99 61.2 47.4 71.2

Manual Integrations

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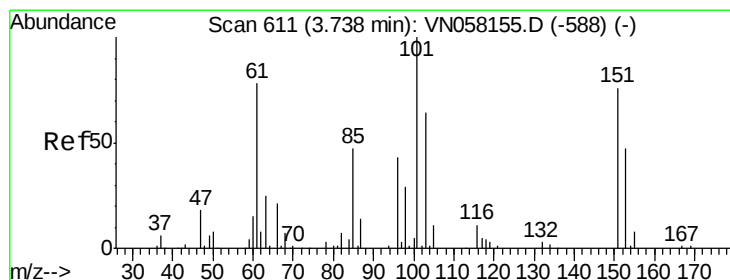
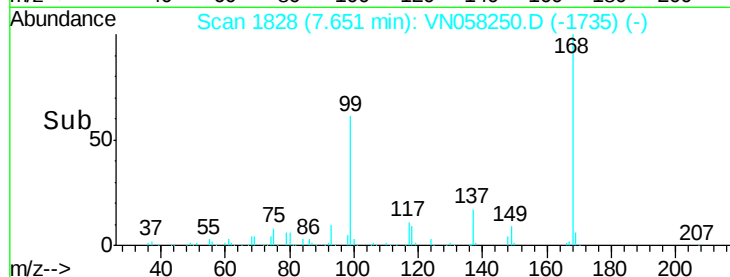
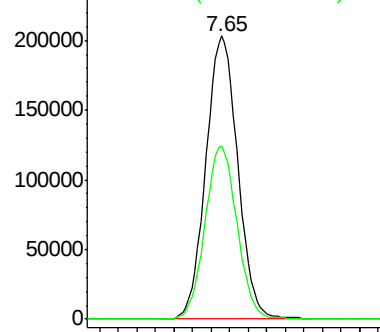
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.630 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058250.D

Acq: 20 Sep 2019 15:15

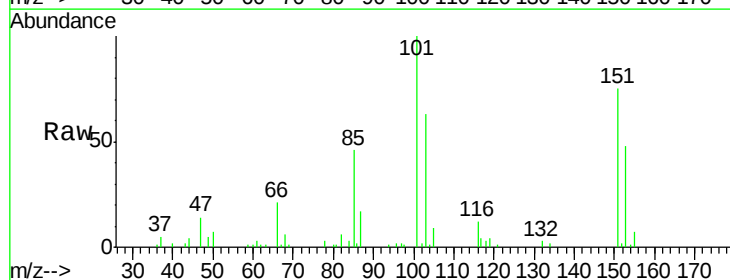
Tgt Ion:101 Resp: 69033

Ion Ratio Lower Upper

101 100

85 45.2 37.3 55.9

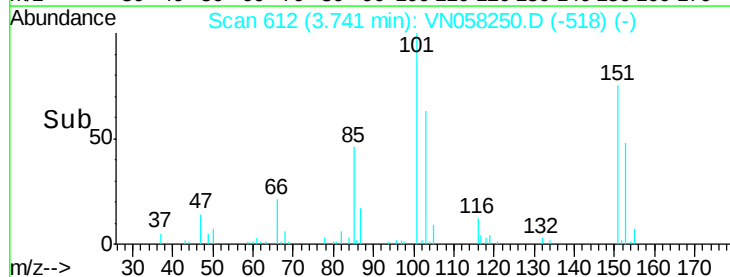
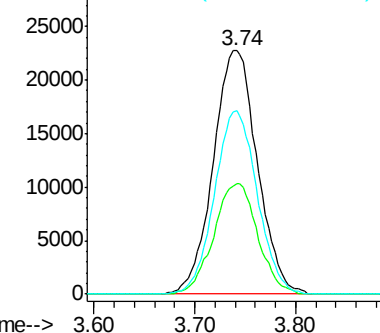
151 73.0 59.6 89.4

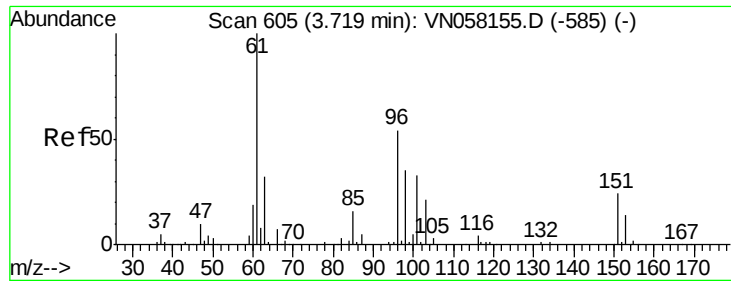


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 0.338 ug/l m

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN058250.D

Acq: 20 Sep 2019 15:15

Instrument :

MSVOA_N

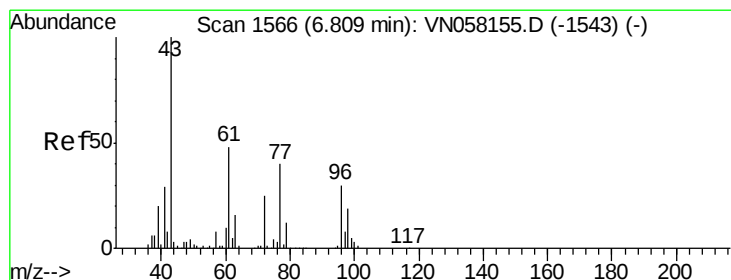
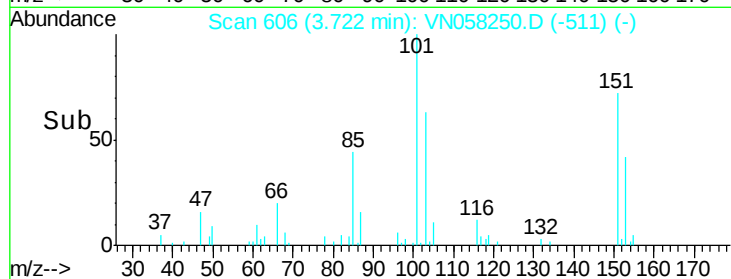
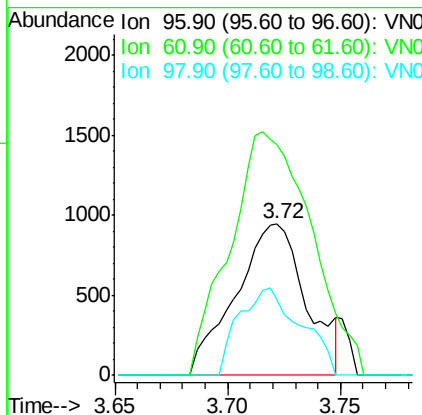
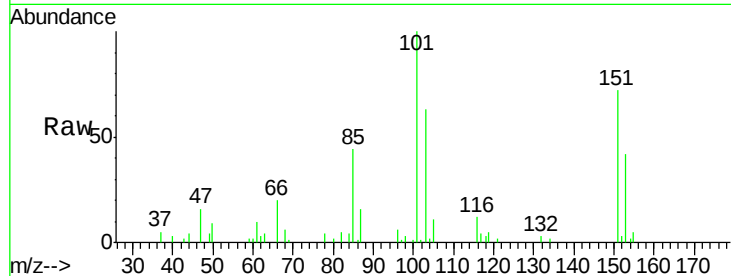
ClientSampled :

DUP04-20190916

Tot Ion:	96	Resp:	2055
Ion	Ratio	Lower	Upper
96	100		
61	151.6	149.5	224.3
98	49.7	52.4	78.6#

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#27

cis-1,2-Dichloroethene

Concen: 2.143 ug/l

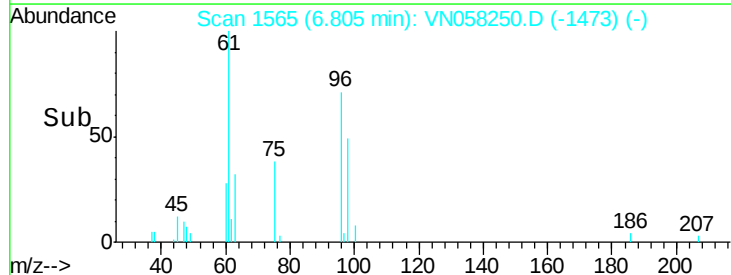
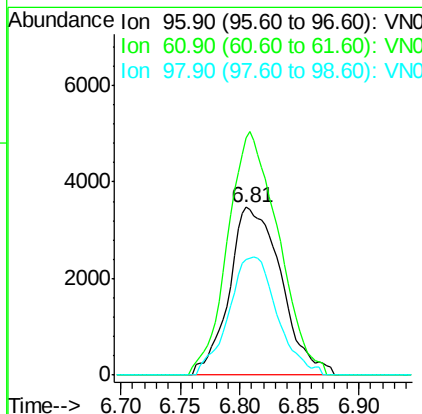
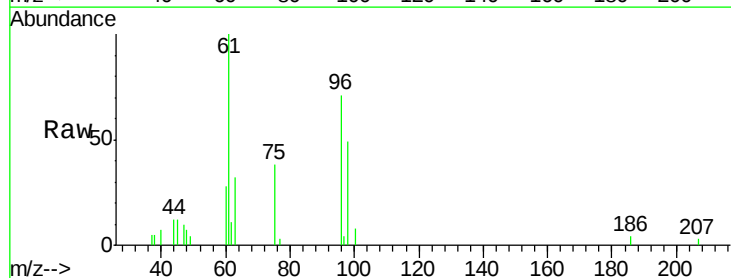
RT: 6.81 min Scan# 1565

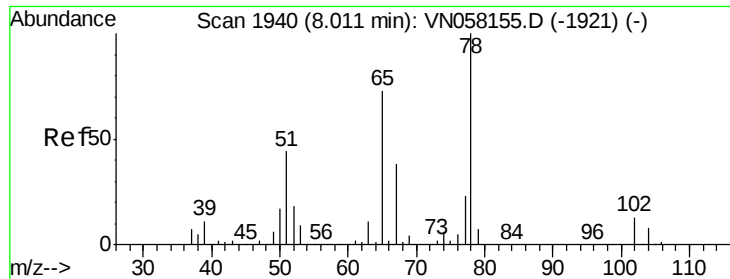
Delta R.T. -0.00 min

Lab File: VN058250.D

Acq: 20 Sep 2019 15:15

Tgt Ion:	96	Resp:	10524
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	319.0
98	65.5	0.0	126.6





#33

1,2-Dichloroethane-d4

Concen: 52.659 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058250.D

Acq: 20 Sep 2019 15:15

Instrument :

MSVOA_N

ClientSampled :

DUP04-20190916

Tot Ion: 65 Resp: 355233

Ion Ratio Lower Upper

65 100

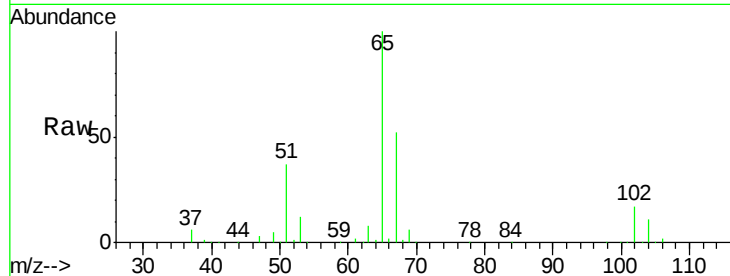
67 52.0 0.0 103.4

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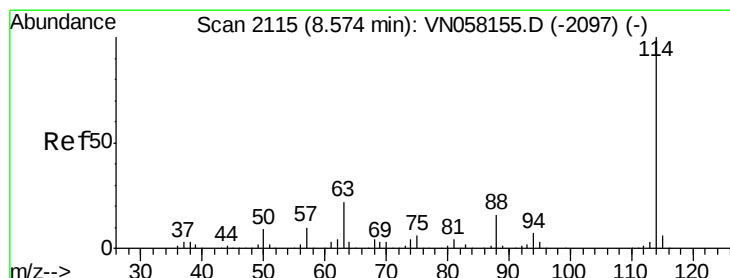
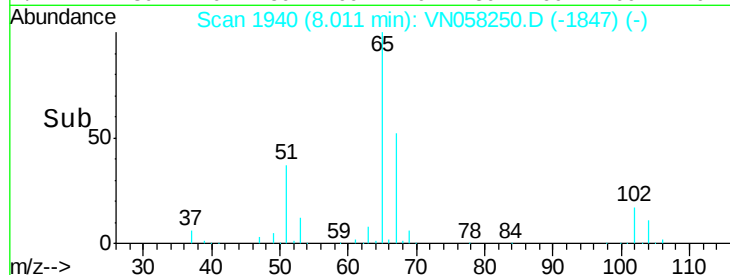
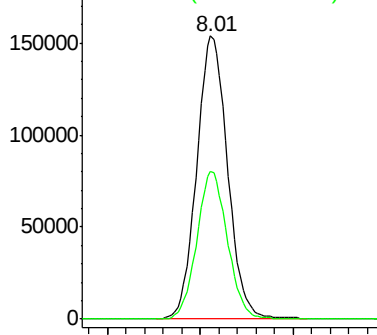
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Abundance Ion 64.90 (64.60 to 65.60): VN058250.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058250.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058250.D

Acq: 20 Sep 2019 15:15

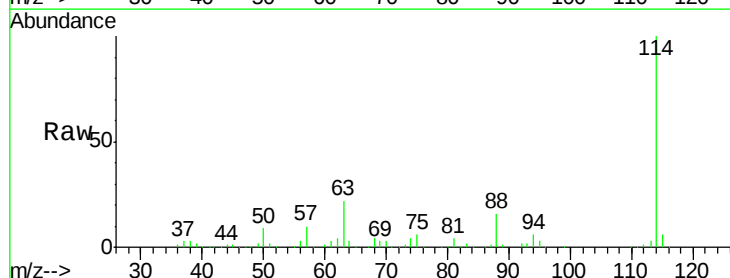
Tgt Ion: 114 Resp: 791192

Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.2

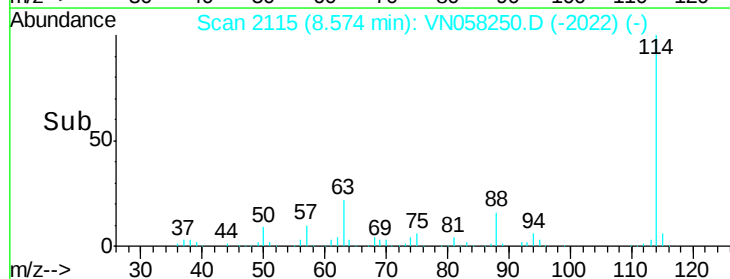
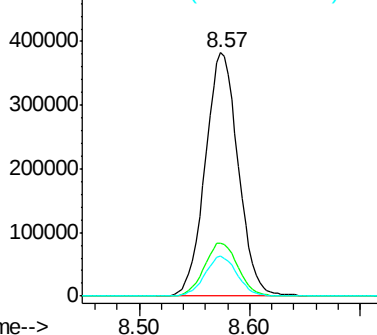
88 16.2 0.0 31.6

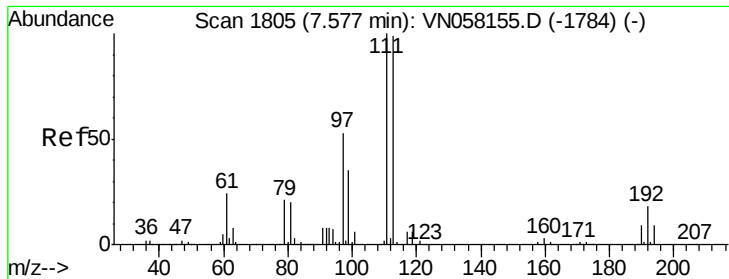


Abundance Ion 113.90 (113.60 to 114.60): VN058250.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058250.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058250.D (-2022) (-)





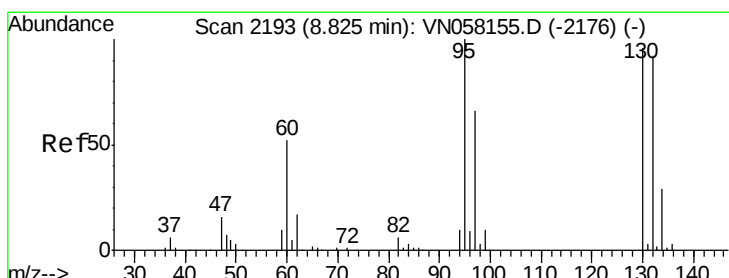
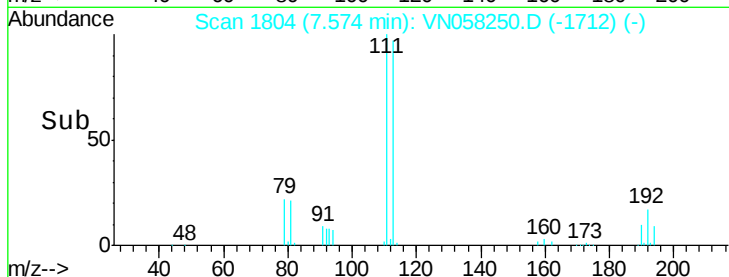
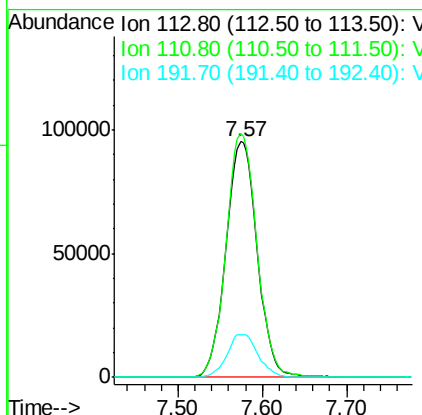
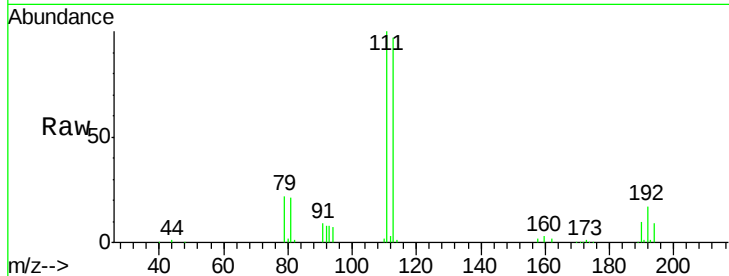
#35
Dibromofluoromethane
Concen: 51.225 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058250.D
Acq: 20 Sep 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20190916

Tot Ion	Ratio	Resp	Lower	Upper
113	100	246381		
111	102.5	81.8	122.6	
192	18.2	14.5	21.7	

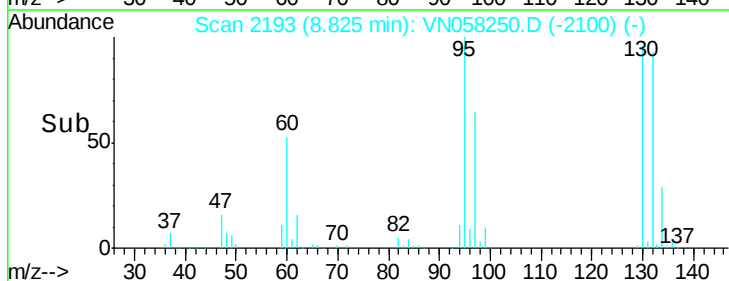
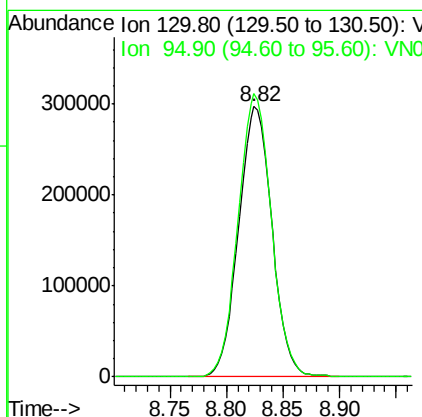
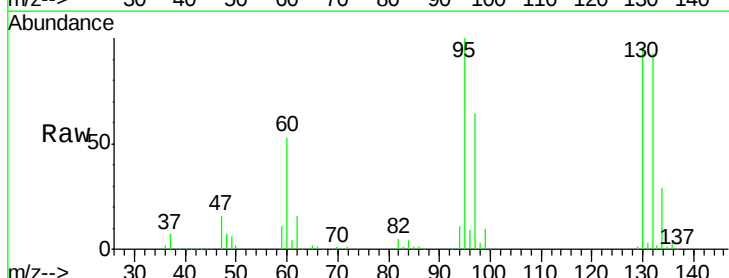
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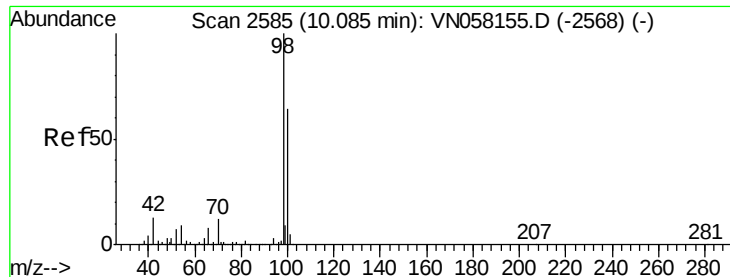
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#44
Trichloroethene
Concen: 143.244 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058250.D
Acq: 20 Sep 2019 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	610881		
95	104.7	0.0	207.8	





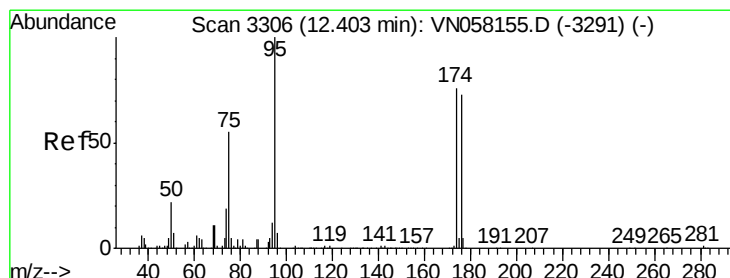
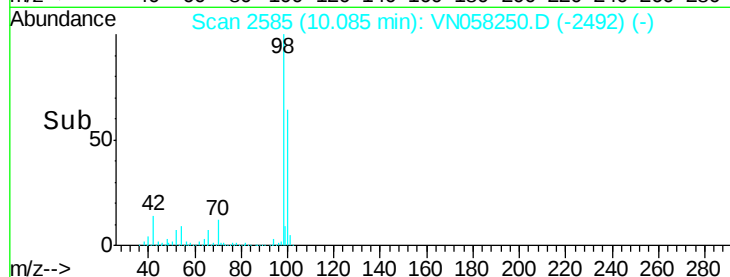
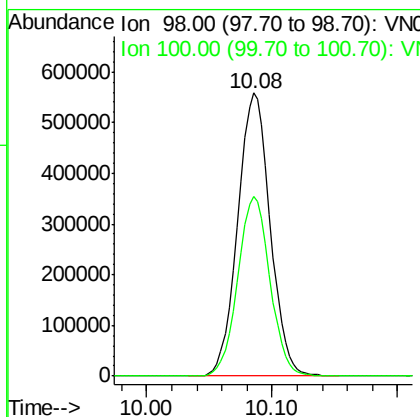
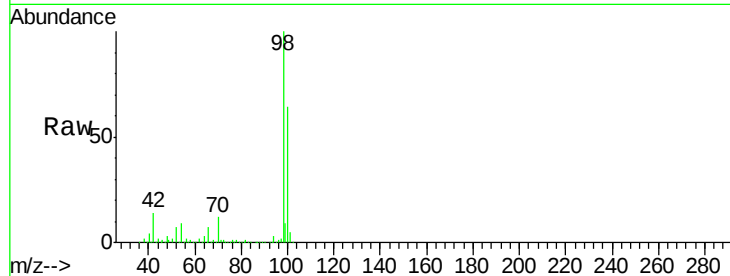
#50
Toluene-d8
Concen: 53.580 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058250.D
Acq: 20 Sep 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20190916

Tot Ion: 98 Resp: 1004090
Ion Ratio Lower Upper
98 100
100 62.8 51.1 76.7

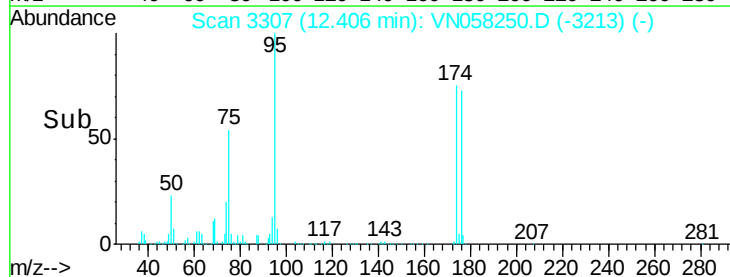
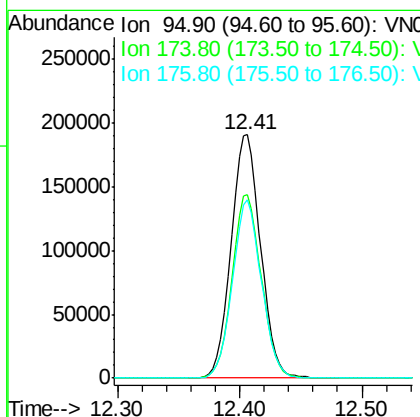
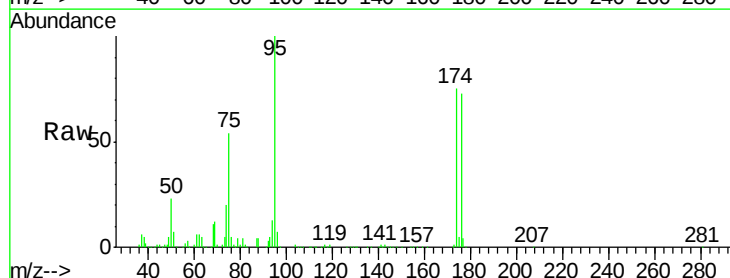
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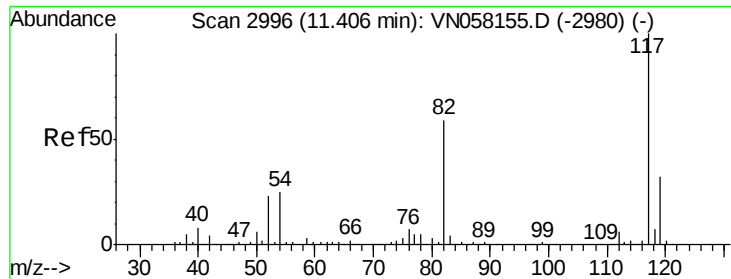
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#62
4-Bromofluorobenzene
Concen: 46.142 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058250.D
Acq: 20 Sep 2019 15:15

Tgt Ion: 95 Resp: 321206
Ion Ratio Lower Upper
95 100
174 74.5 0.0 152.2
176 71.6 0.0 148.0





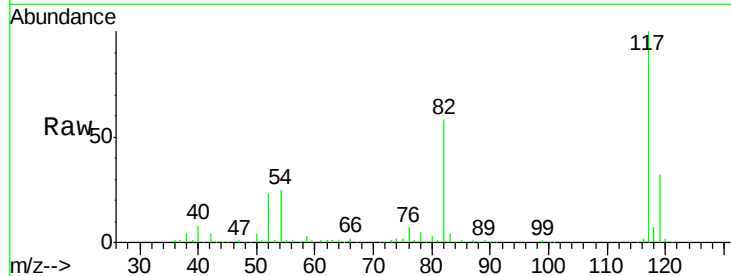
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058250.D
Acq: 20 Sep 2019 15:15

Instrument :
MSVOA_N
ClientSampleId :
DUP04-20190916

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	32.0	25.3	37.9

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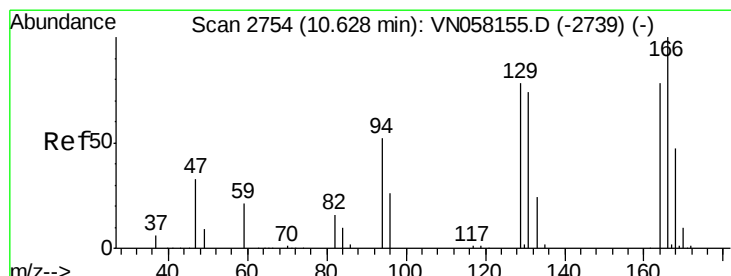
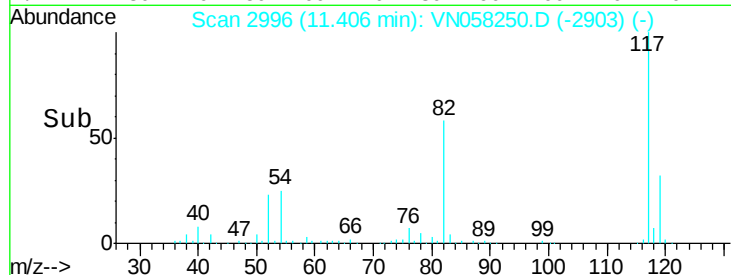
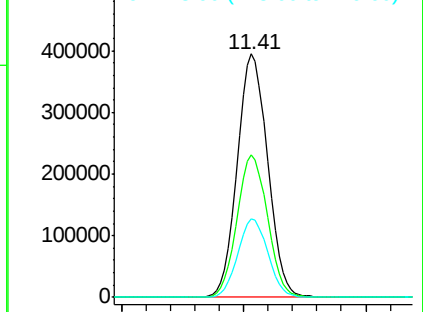


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.123 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058250.D
Acq: 20 Sep 2019 15:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	102.2	153.4
129	100.6	79.6	119.4
131	97.8	76.0	114.0

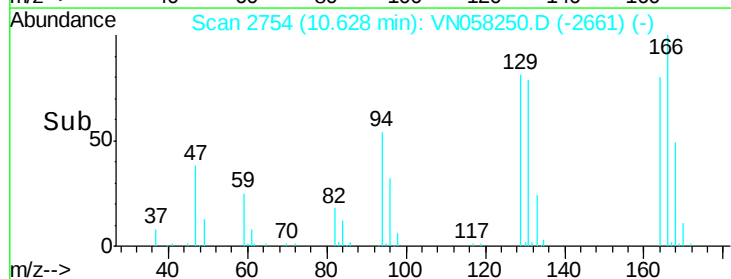
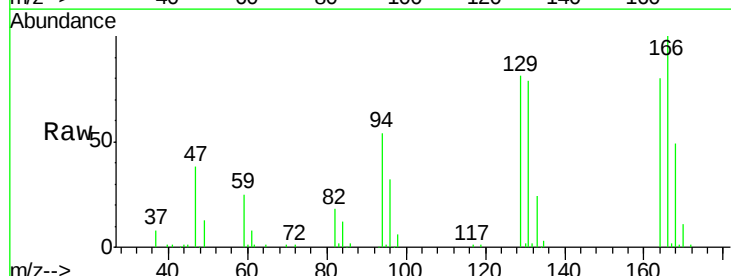
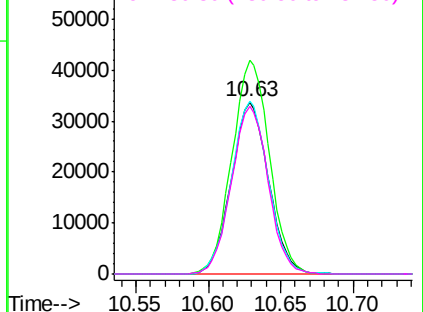
Abundance

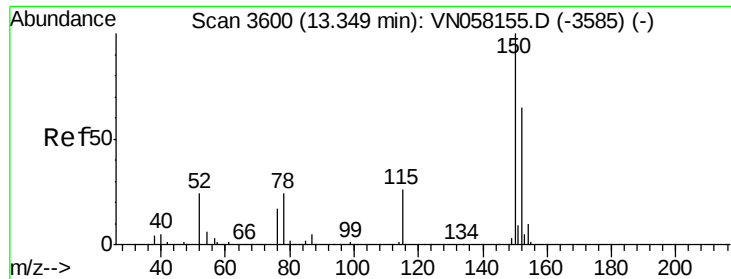
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058250.D

Acq: 20 Sep 2019 15:15

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20190916

Tot Ion:152 Resp: 274968

Ion Ratio Lower Upper

152 100

115 61.6 30.1 90.3

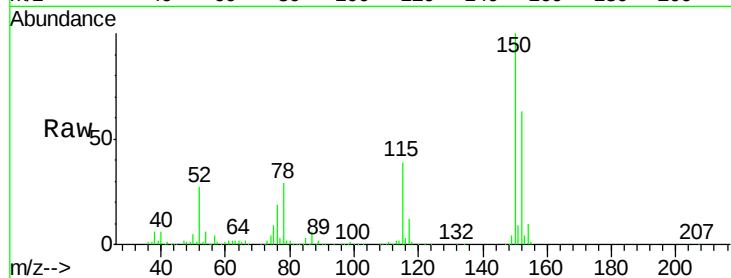
150 158.2 0.0 346.4

Manual Integrations

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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

