

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061789.D
 Acq On : 12 Jun 2020 14:27
 Operator : JC/MD
 Sample : L2988-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D1-20200608

Quant Time: Jun 13 05:53:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	278004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	473389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207321	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	157515	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.55	113	140472	58.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.38%	
50) Toluene-d8	10.06	98	576743	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.38	95	196686	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

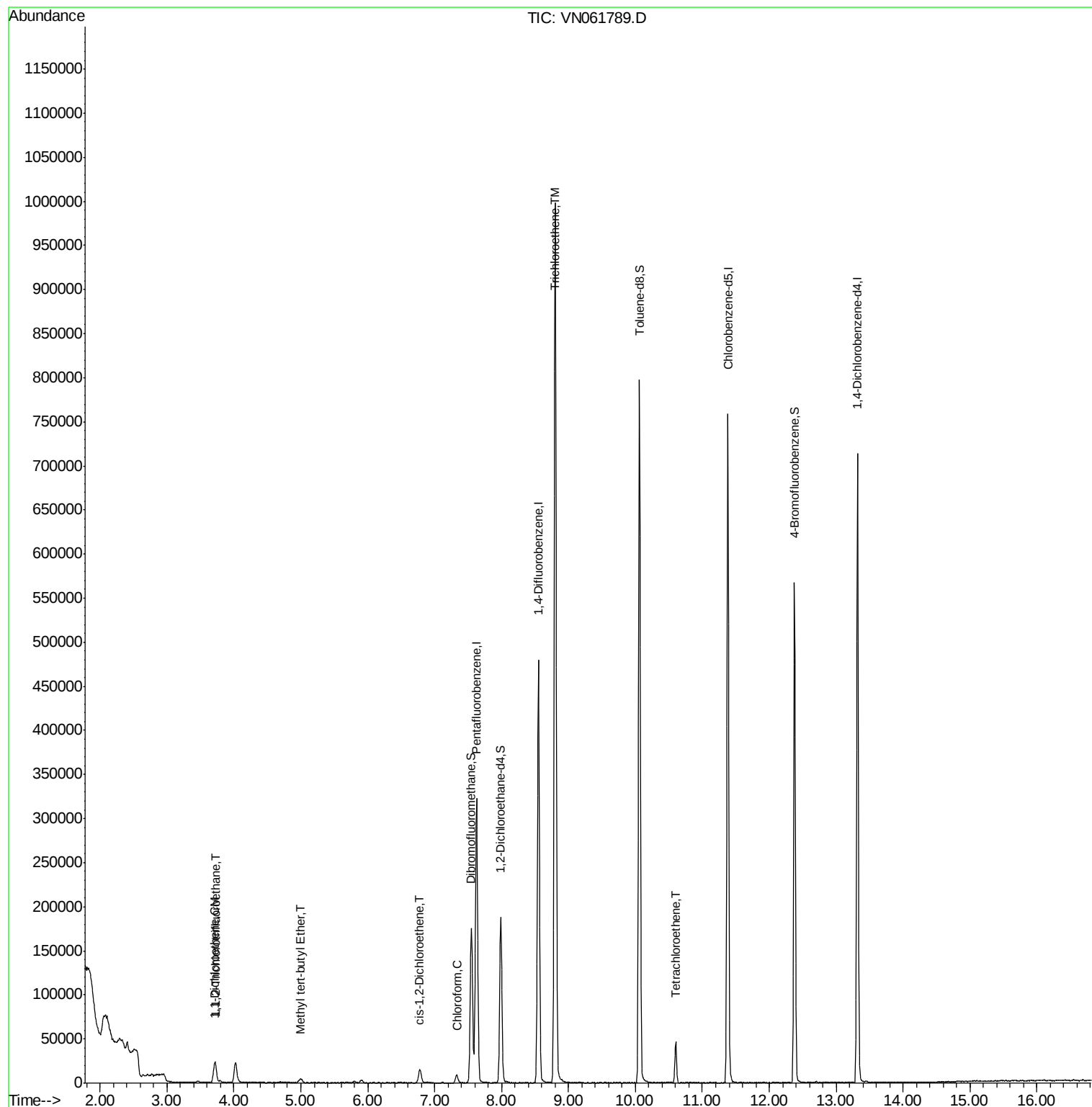
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	14240	5.356	ug/l	96
12) 1,1-Dichloroethene	3.70	96	2910	1.024	ug/l	84
19) Methyl tert-butyl Ether	5.00	73	9048	0.935	ug/l #	88
27) cis-1,2-Dichloroethene	6.79	96	6824	1.881	ug/l	85
30) Chloroform	7.33	83	10514	1.831	ug/l	95
44) Trichloroethene	8.80	130	390498	98.589	ug/l	96
64) Tetrachloroethene	10.60	164	10803	2.424	ug/l	95

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

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QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

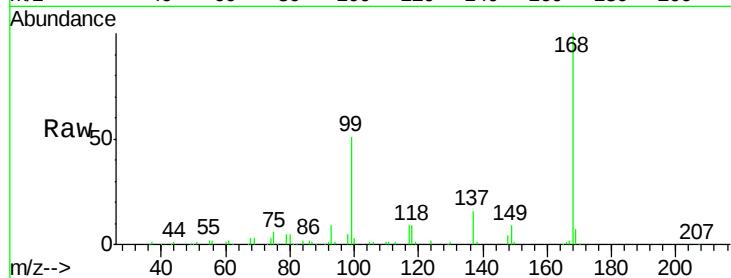
Instrument :
MSVOA_N
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RE132D1-20200608

Tot Ion:168 Resp: 278004

Ion Ratio Lower Upper

168 100

99 51.3 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

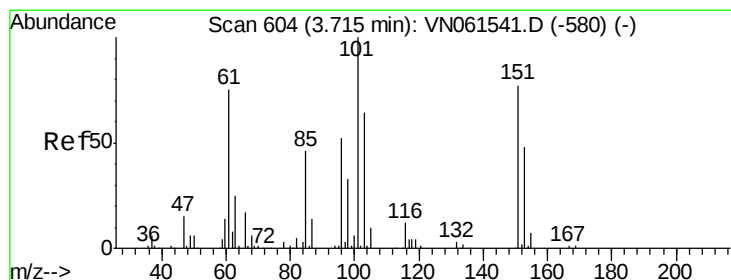
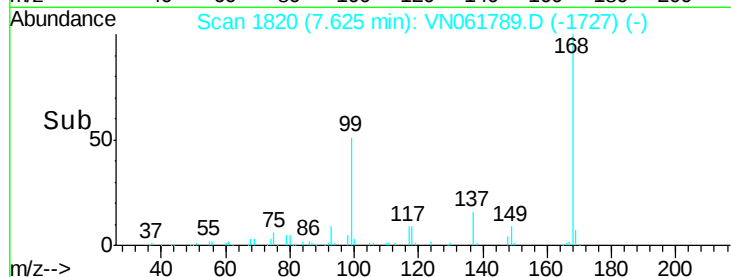
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.356 ug/l

RT: 3.72 min Scan# 607

Delta R.T. 0.01 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

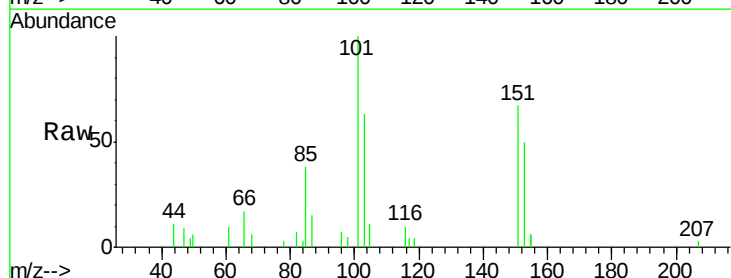
Tgt Ion:101 Resp: 14240

Ion Ratio Lower Upper

101 100

85 42.9 35.2 52.8

151 80.9 61.0 91.6



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

3.72

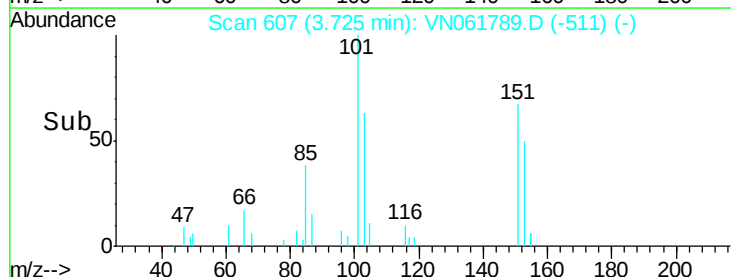
6000

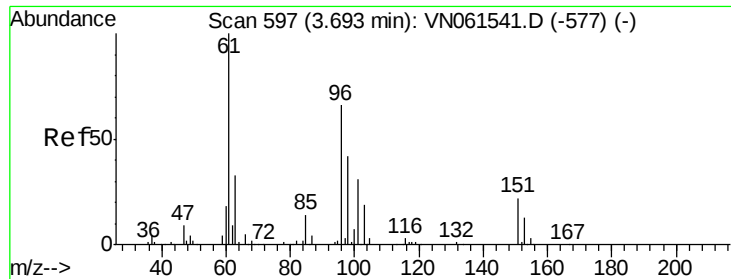
4000

2000

0

Time--> 3.65 3.70 3.75 3.80





#12

1,1-Dichloroethene

Concen: 1.024 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.01 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

RE132D1-20200608

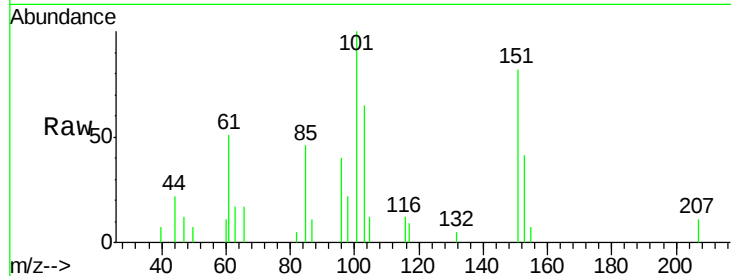
Tot Ion: 96 Resp: 2910

Ion Ratio Lower Upper

96 100

61 127.5 120.5 180.7

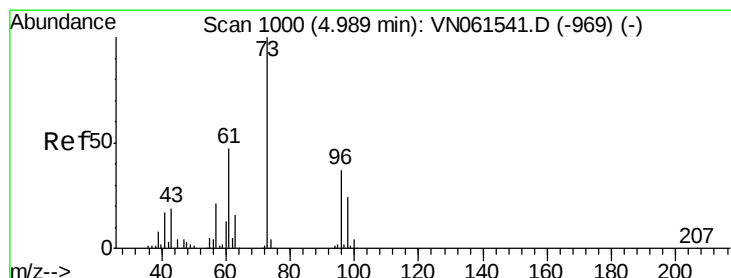
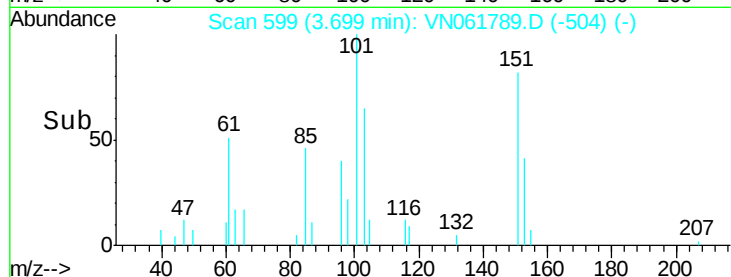
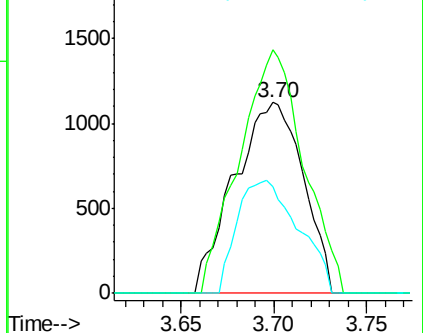
98 55.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#19

Methyl tert-butyl Ether

Concen: 0.935 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN061789.D

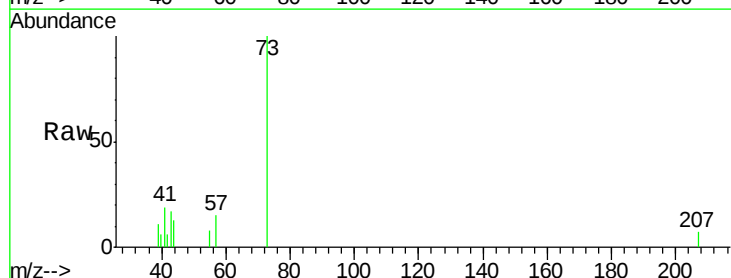
Acq: 12 Jun 2020 14:27

Tgt Ion: 73 Resp: 9048

Ion Ratio Lower Upper

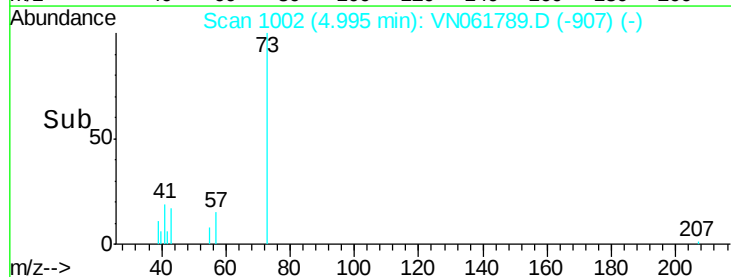
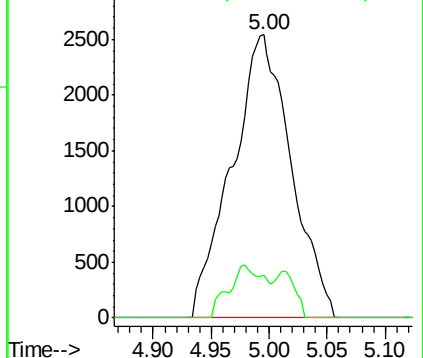
73 100

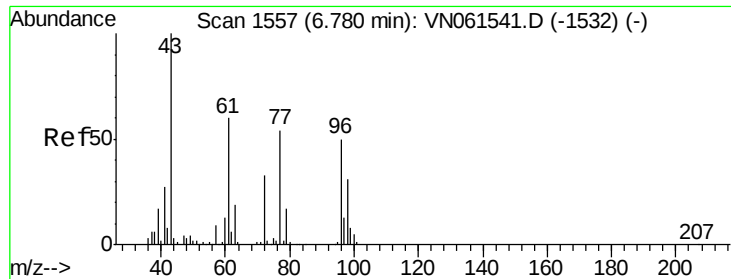
57 14.9 16.4 24.6#



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

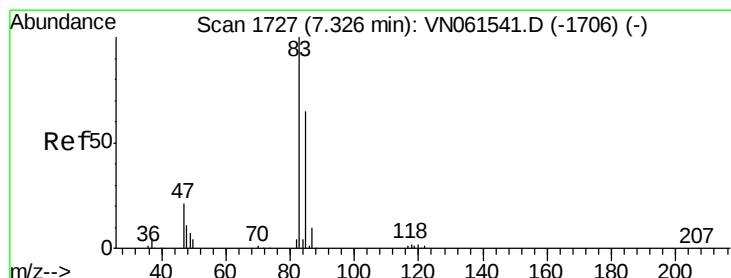
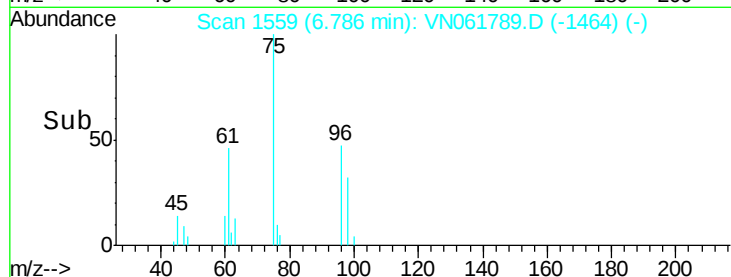
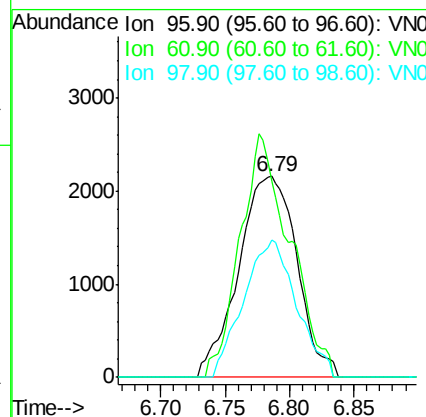
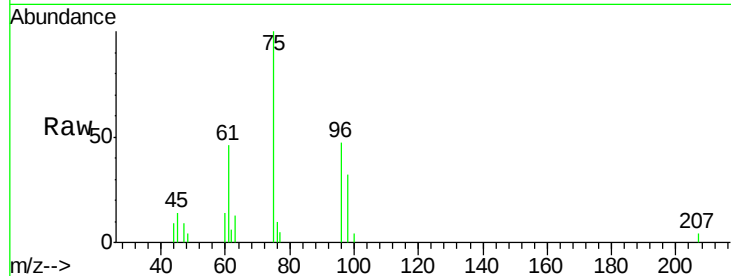




#27
 cis-1,2-Dichloroethene
 Concen: 1.881 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VN061789.D
 Acq: 12 Jun 2020 14:27

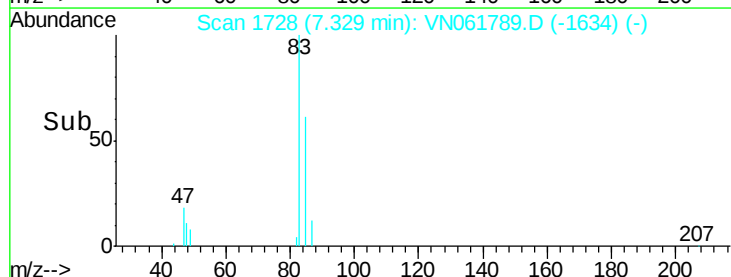
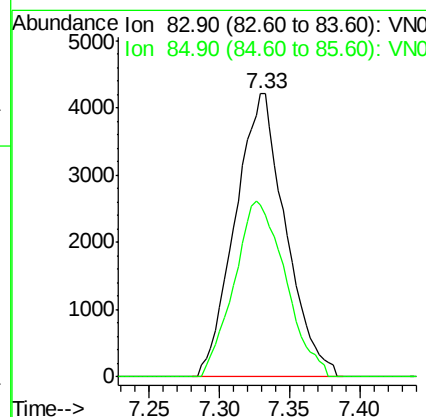
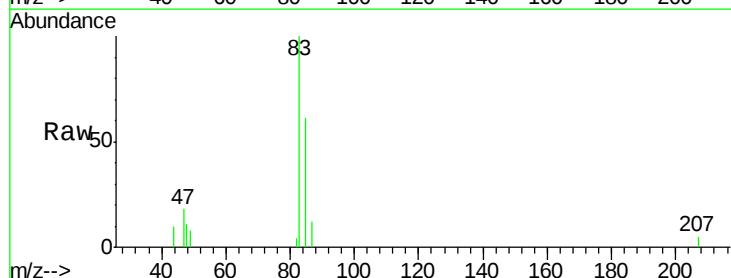
Instrument :
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 RE132D1-20200608

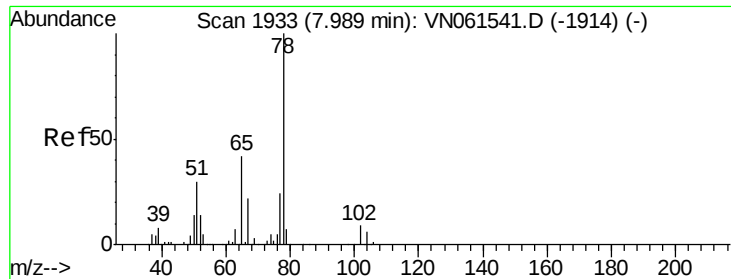
Tot Ion: 96 Resp: 6824
 Ion Ratio Lower Upper
 96 100
 61 103.1 0.0 252.2
 98 61.7 0.0 129.2



#30
 Chloroform
 Concen: 1.831 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: VN061789.D
 Acq: 12 Jun 2020 14:27

Tgt Ion: 83 Resp: 10514
 Ion Ratio Lower Upper
 83 100
 85 61.0 51.7 77.5

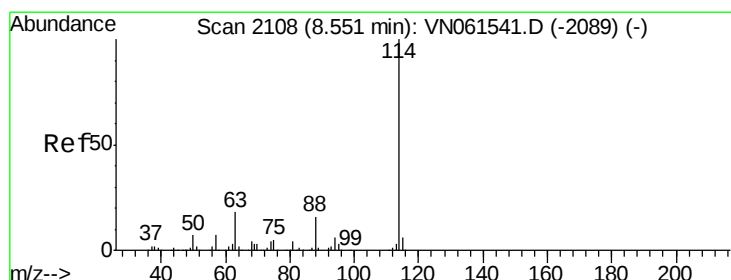
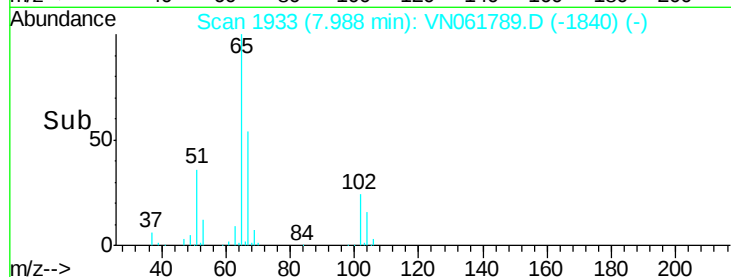
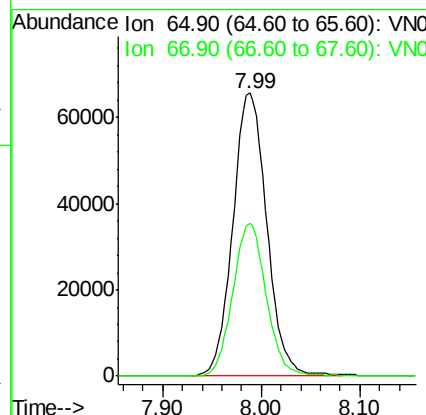
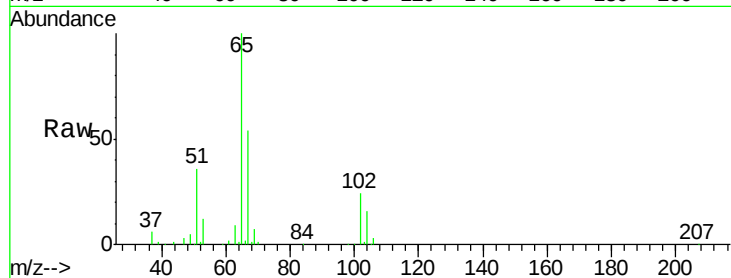




#33
 1,2-Dichloroethane-d4
 Concen: 47.555 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061789.D
 Acq: 12 Jun 2020 14:27

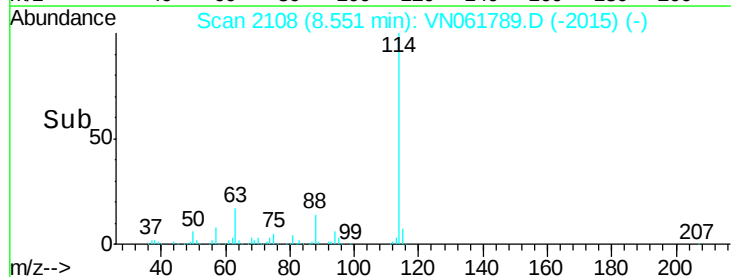
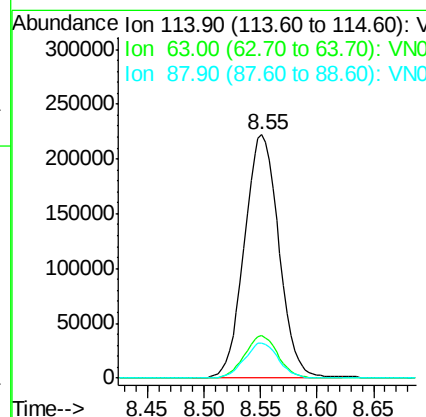
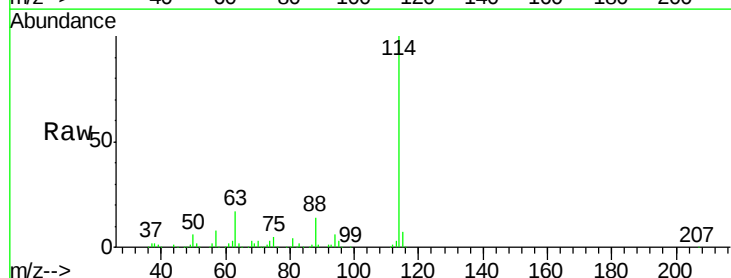
Instrument :
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 ClientSampleId :
 RE132D1-20200608

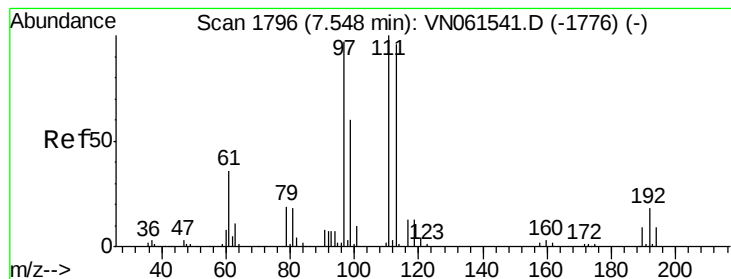
Tot Ion: 65 Resp: 157515
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061789.D
 Acq: 12 Jun 2020 14:27

Tgt Ion: 114 Resp: 471852
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.8
 88 14.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 58.686 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

RE132D1-20200608

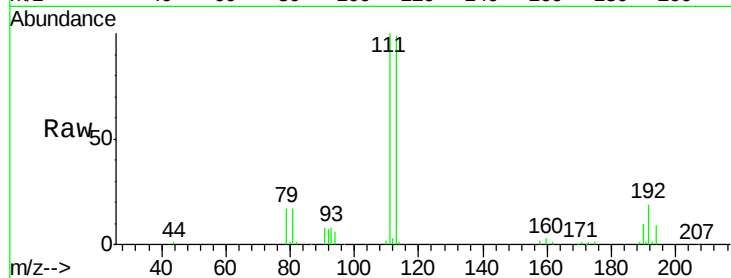
Tot Ion:113 Resp: 140472

Ion Ratio Lower Upper

113 100

111 99.9 83.4 125.0

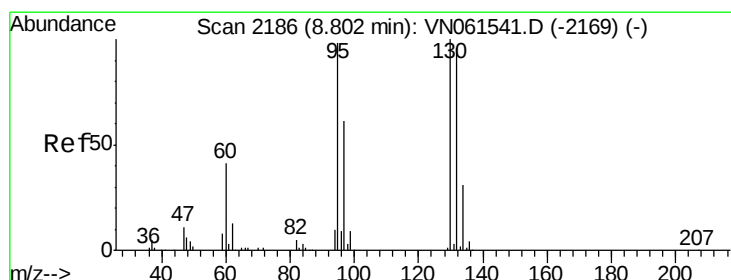
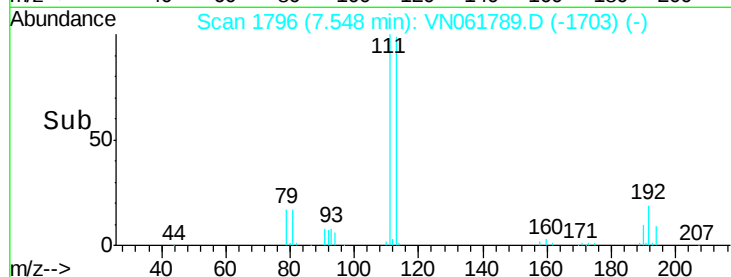
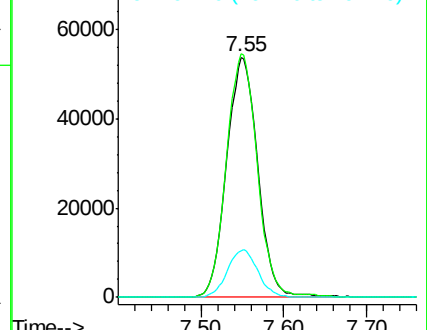
192 19.5 15.4 23.2



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: 98.589 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061789.D

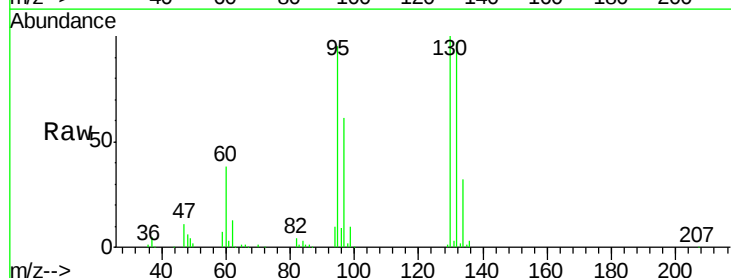
Acq: 12 Jun 2020 14:27

Tgt Ion:130 Resp: 390498

Ion Ratio Lower Upper

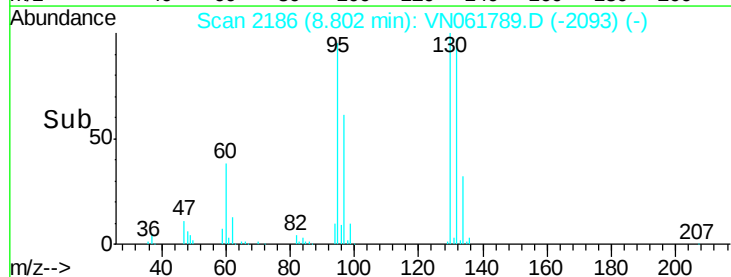
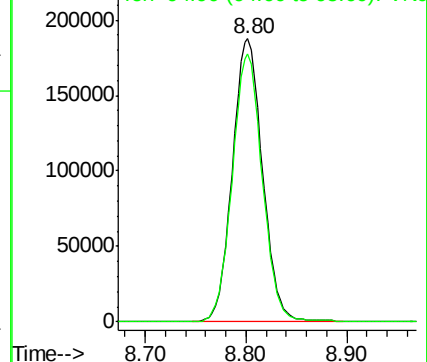
130 100

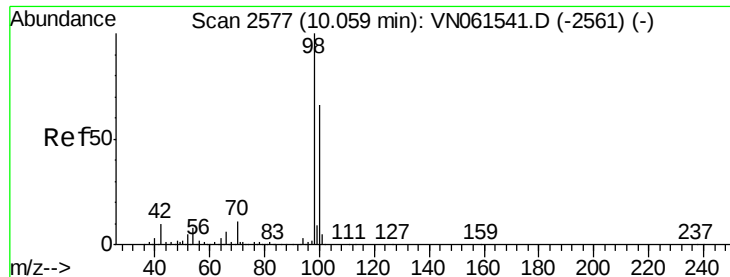
95 94.7 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 51.995 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

Instrument :

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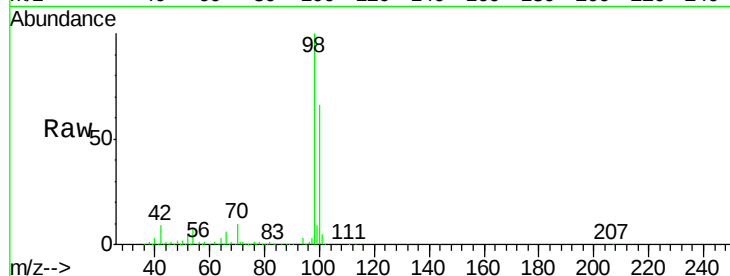
RE132D1-20200608

Tot Ion: 98 Resp: 576743

Ion Ratio Lower Upper

98 100

100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

10.06

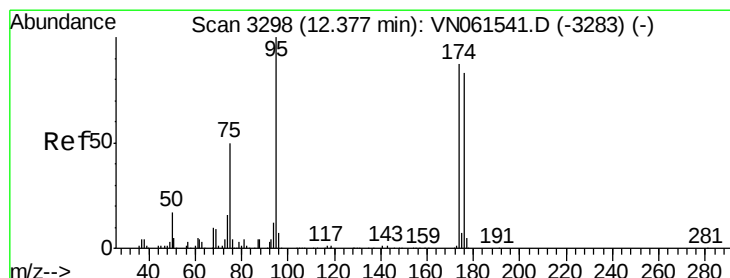
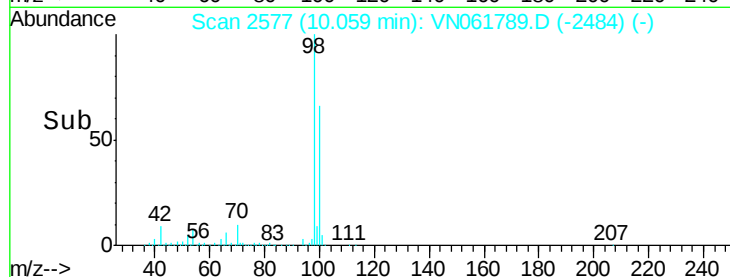
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.602 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

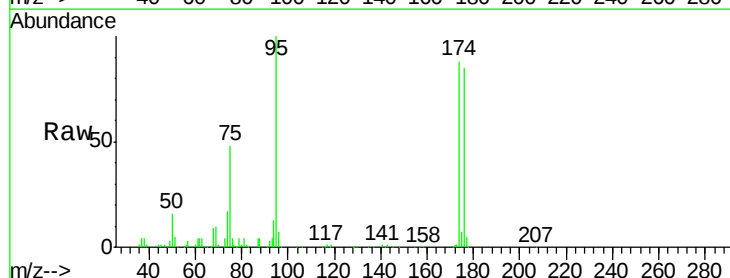
Tgt Ion: 95 Resp: 196686

Ion Ratio Lower Upper

95 100

174 88.2 0.0 172.8

176 85.0 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)

12.38

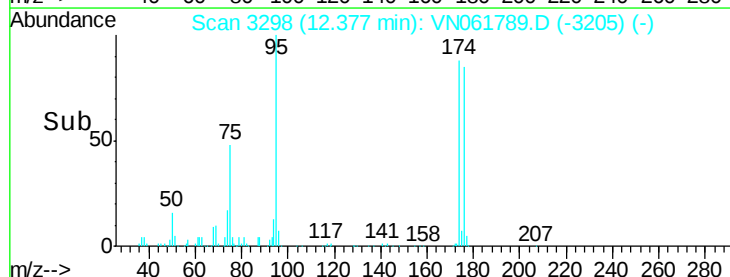
150000

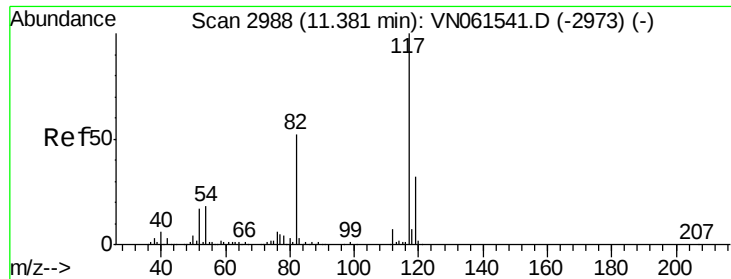
100000

50000

0

Time-->

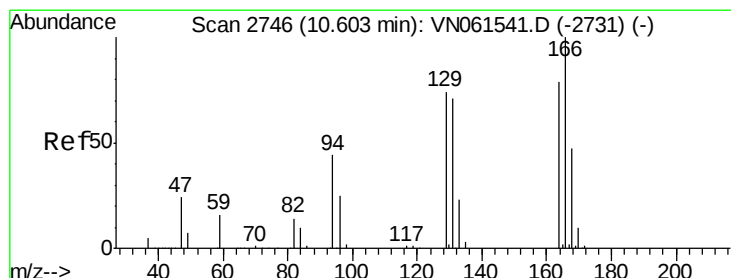
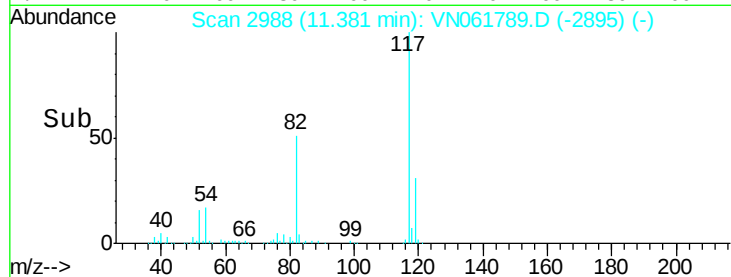
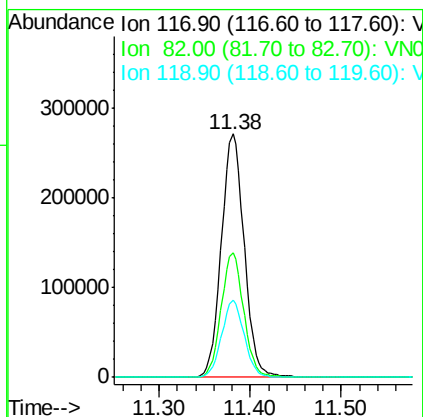
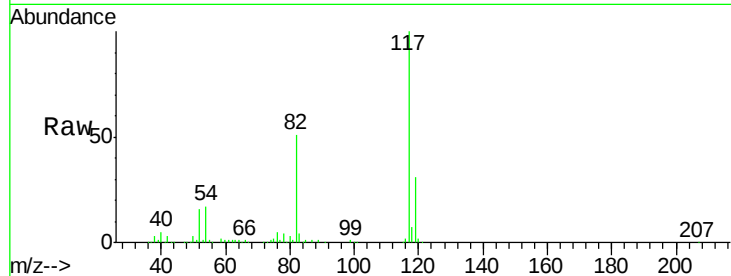




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061789.D
Acq: 12 Jun 2020 14:27

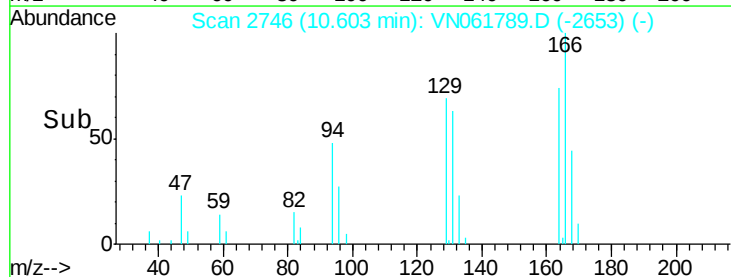
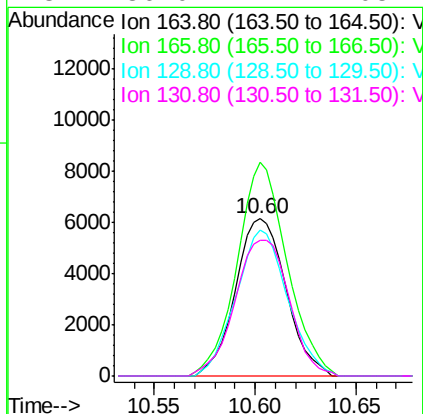
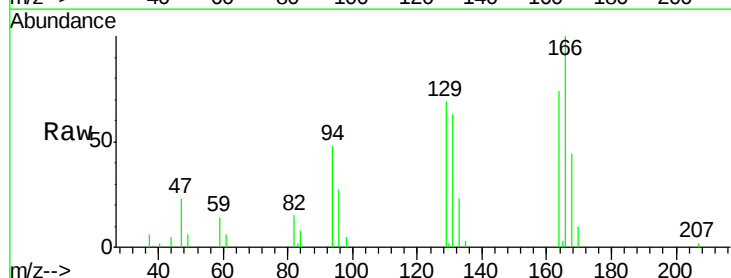
Instrument :
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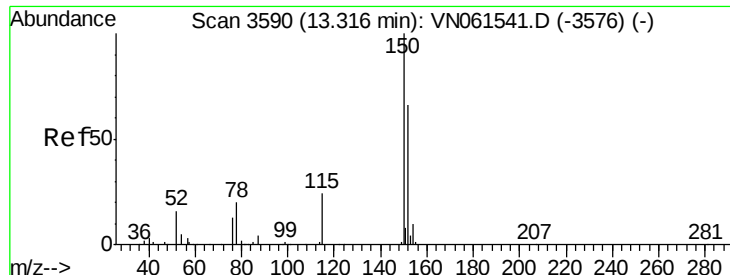
Tot Ion:117 Resp: 473389
Ion Ratio Lower Upper
117 100
82 51.2 41.5 62.3
119 31.5 25.6 38.4



#64
Tetrachloroethene
Concen: 2.424 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061789.D
Acq: 12 Jun 2020 14:27

Tgt Ion:164 Resp: 10803
Ion Ratio Lower Upper
164 100
166 135.7 101.5 152.3
129 93.0 74.9 112.3
131 86.0 72.2 108.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061789.D

Acq: 12 Jun 2020 14:27

Instrument :

MSVOA_N

ClientSampleId :

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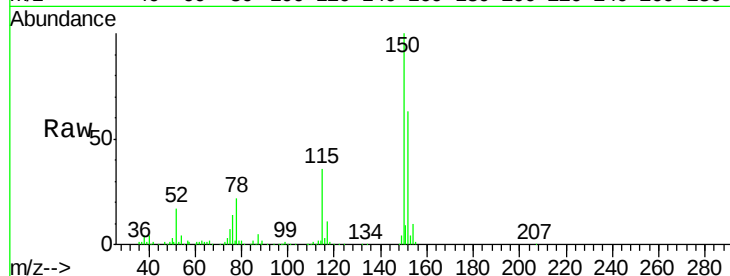
Tot Ion:152 Resp: 207321

Ion Ratio Lower Upper

152 100

115 55.6 28.0 84.0

150 157.8 0.0 344.0



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

