

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061798.D
 Acq On : 12 Jun 2020 17:57
 Operator : JC/MD
 Sample : L2989-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D3-20200610

Quant Time: Jun 13 05:14:03 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	267025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	455298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	451983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196318	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	152909	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.55	113	130713	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
50) Toluene-d8	10.06	98	549449	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.38	95	188062	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

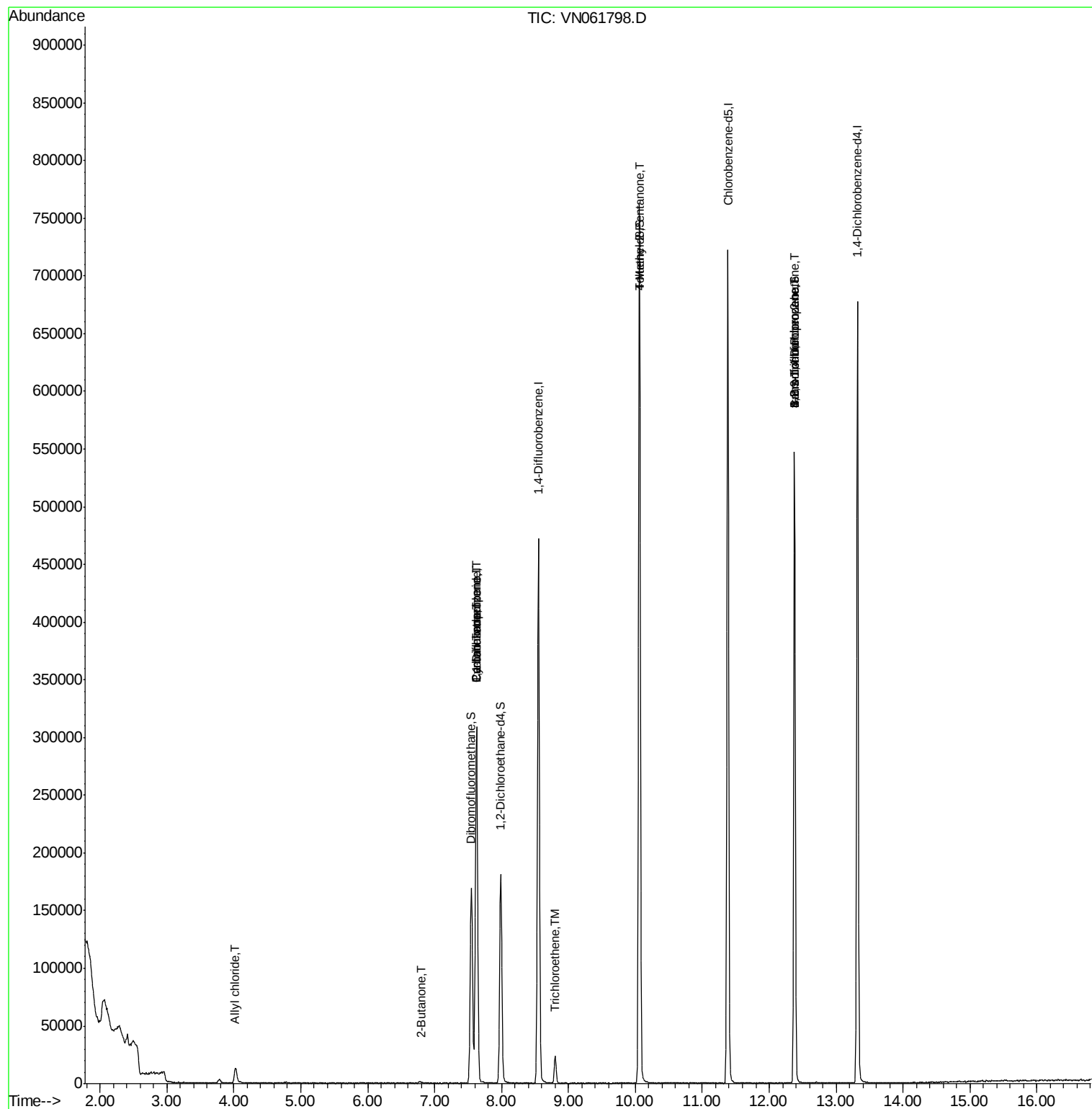
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	2426	0.680	ug/l #	70
16) Acetone	3.78	43	5297	Below Cal		90
25) 2-Butanone	6.79	43	1181	0.783	ug/l	96
31) Cyclohexane	7.62	56	4417	0.985	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	17527	4.349	ug/l #	48
38) Carbon Tetrachloride	7.63	117	25305	6.509	ug/l #	16
44) Trichloroethene	8.80	130	9228	2.414	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1826	0.555	ug/l #	1
71) Bromoform	12.38	173	2024	0.751	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	89377	25.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	89377	64.026	ug/l #	15

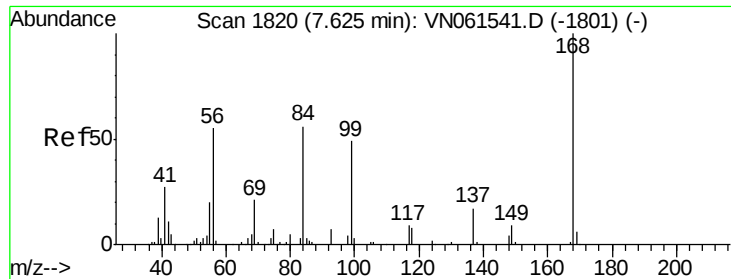
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061220\
Data File : VN061798.D
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Quant Time: Jun 13 05:14:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
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: VN061798.D

Acq: 12 Jun 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

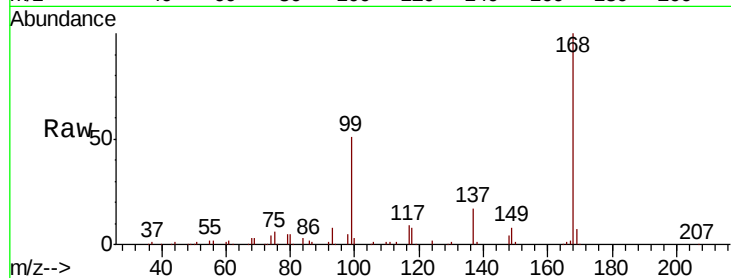
RE122D3-20200610

Tot Ion:168 Resp: 267025

Ion Ratio Lower Upper

168 100

99 51.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

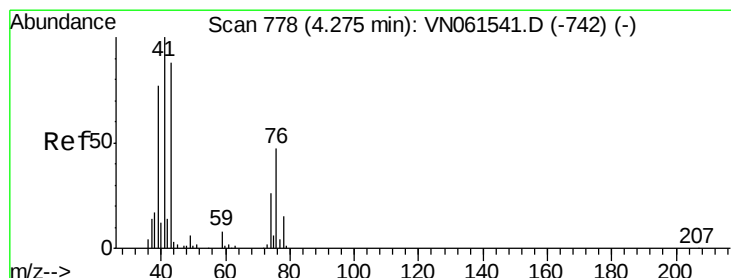
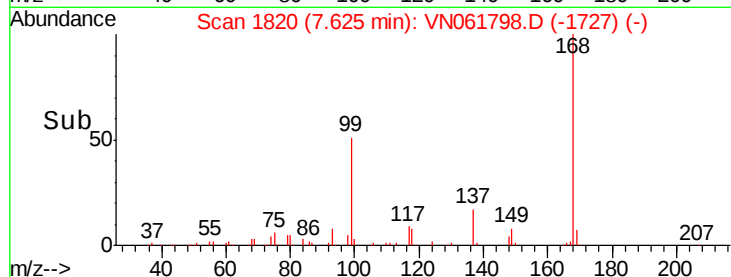
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#14

Allyl chloride

Concen: 0.680 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.26 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

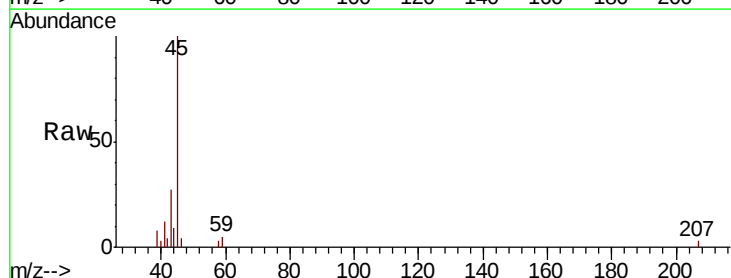
Tgt Ion: 41 Resp: 2426

Ion Ratio Lower Upper

41 100

39 79.9 58.6 88.0

76 0.0 34.2 51.4#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.02

1000

800

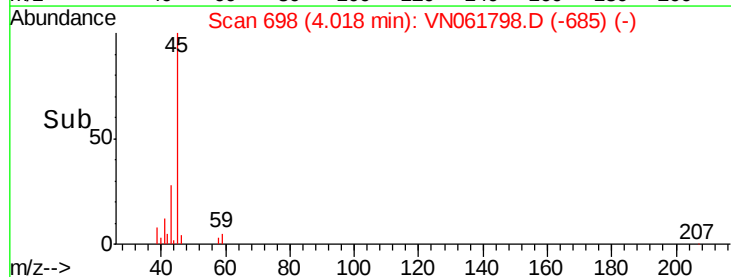
600

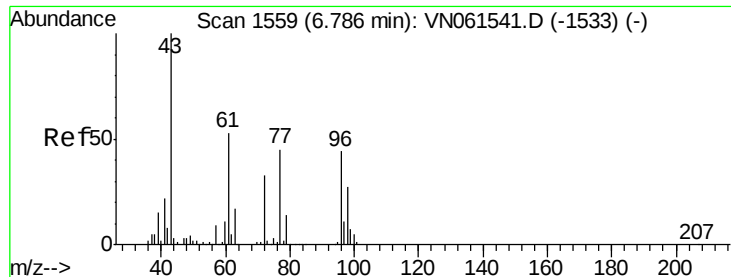
400

200

0

Time--> 3.95 4.00 4.05 4.10

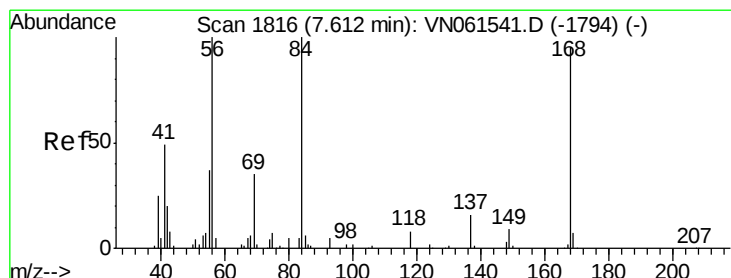
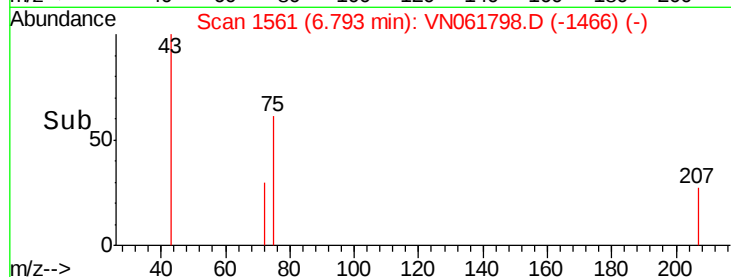
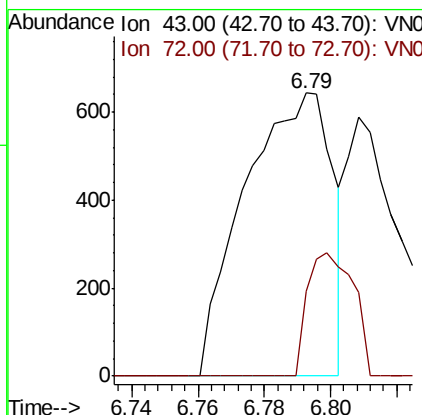
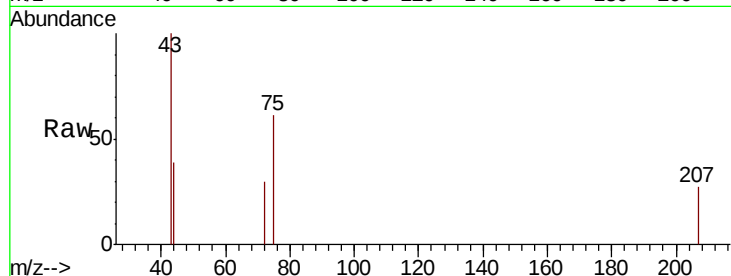




#25
2-Butanone
Concen: 0.783 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN061798.D
Acq: 12 Jun 2020 17:57

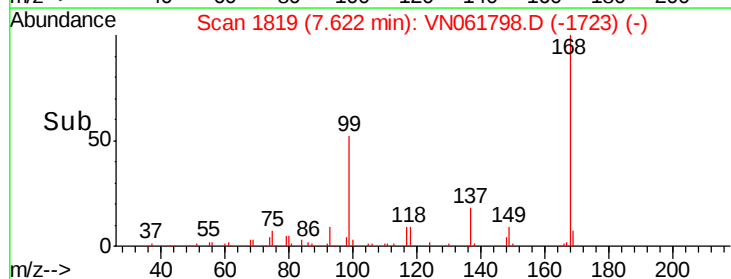
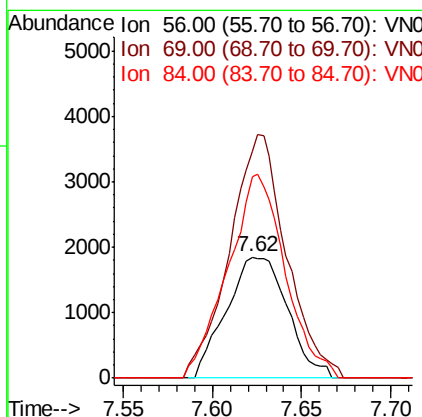
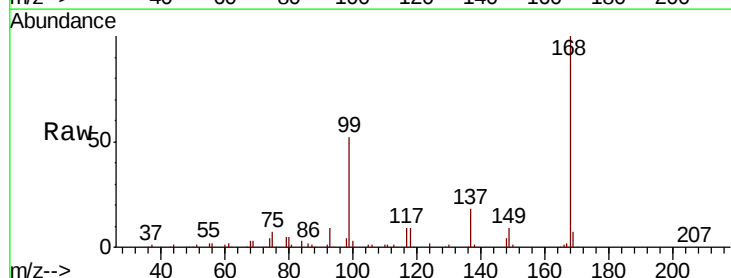
Instrument :
MSVOA_N
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RE122D3-20200610

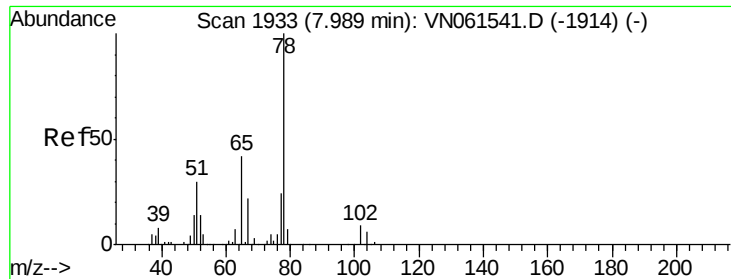
Tot Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
72 30.2 26.0 39.0



#31
Cyclohexane
Concen: 0.985 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061798.D
Acq: 12 Jun 2020 17:57

Tgt Ion: 56 Resp: 4417
Ion Ratio Lower Upper
56 100
69 178.5 27.8 41.8#
84 166.1 79.9 119.9#

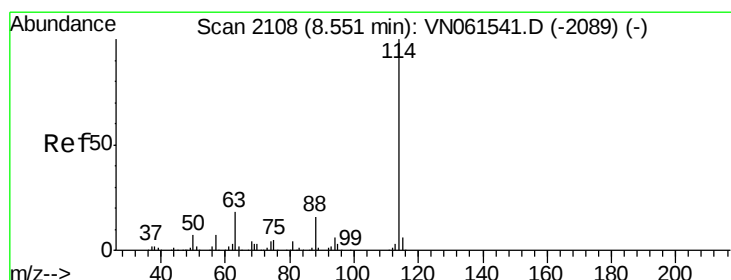
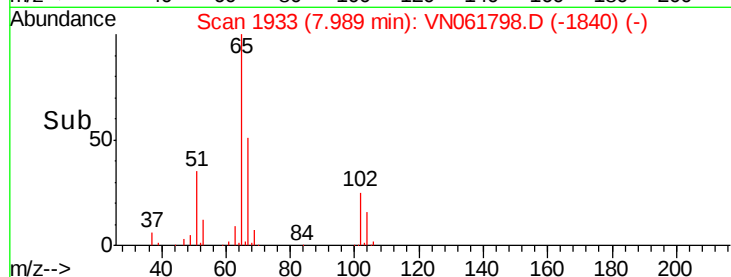
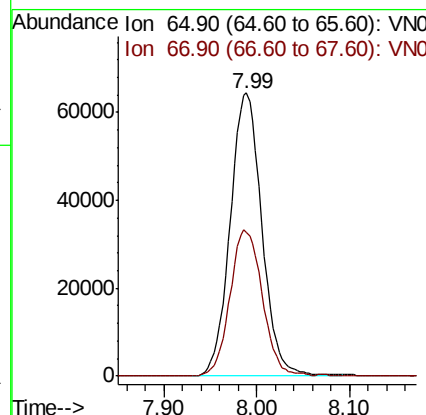
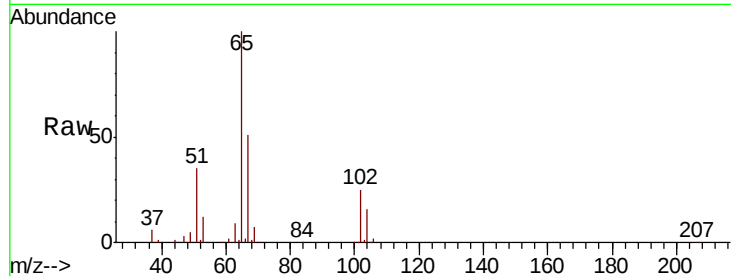




#33
 1,2-Dichloroethane-d4
 Concen: 48.063 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061798.D
 Acq: 12 Jun 2020 17:57

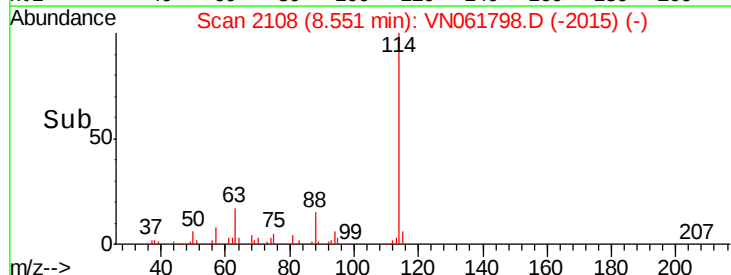
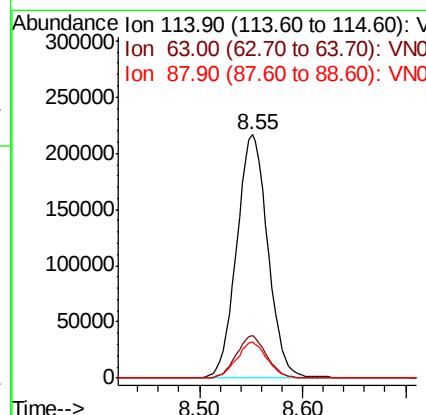
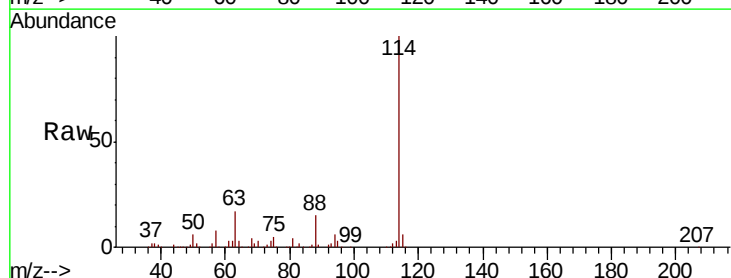
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D3-20200610

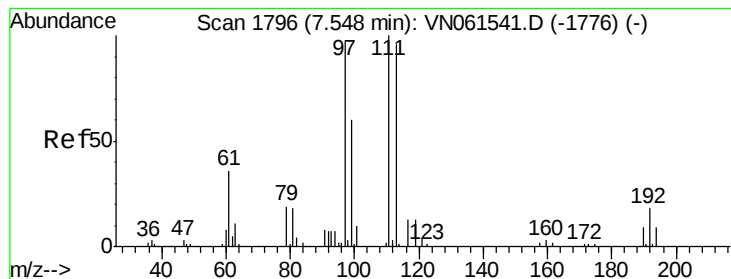
Tot Ion: 65 Resp: 152909
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061798.D
 Acq: 12 Jun 2020 17:57

Tgt Ion: 114 Resp: 455298
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.8
 88 14.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 56.594 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

RE122D3-20200610

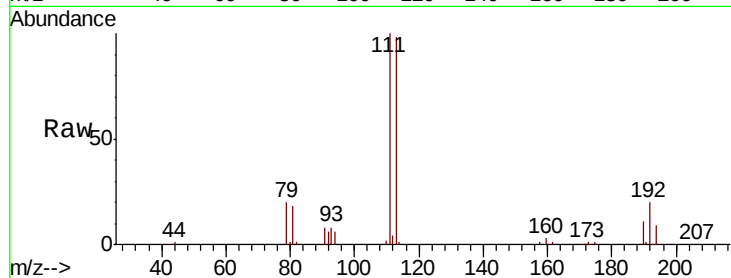
Tot Ion:113 Resp: 130713

Ion Ratio Lower Upper

113 100

111 105.5 83.4 125.0

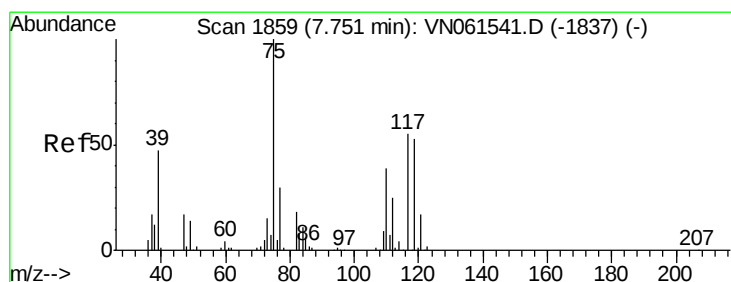
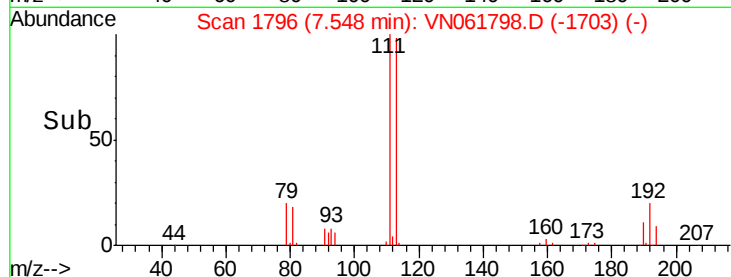
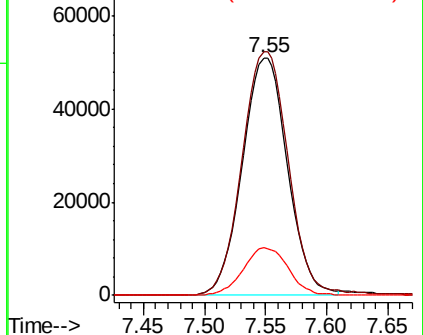
192 20.0 15.4 23.2



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



#36

1,1-Dichloropropene

Concen: 4.349 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

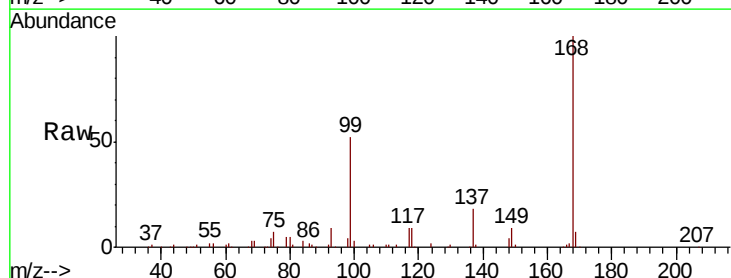
Tgt Ion: 75 Resp: 17527

Ion Ratio Lower Upper

75 100

110 9.6 19.5 58.5#

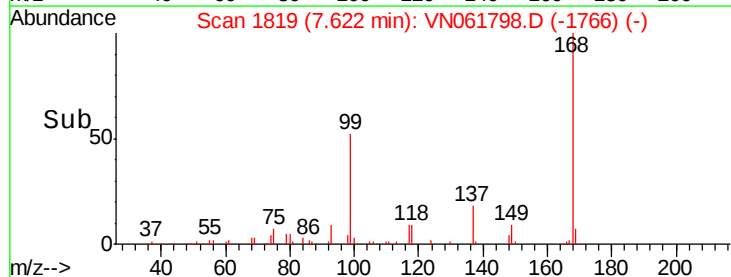
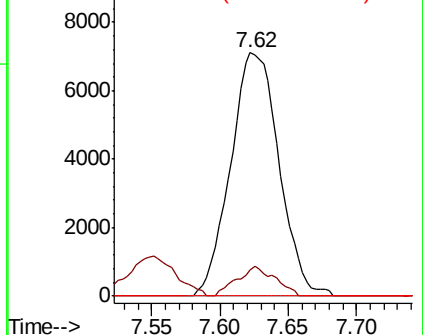
77 0.0 24.7 37.1#

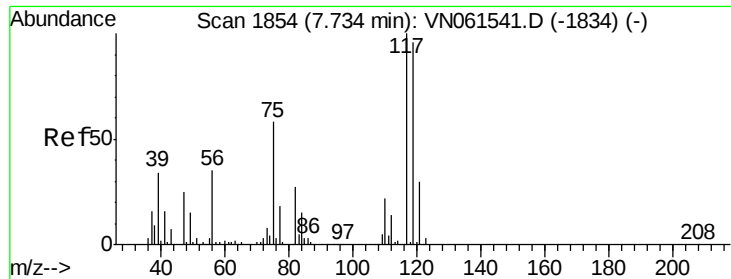


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.509 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

RE122D3-20200610

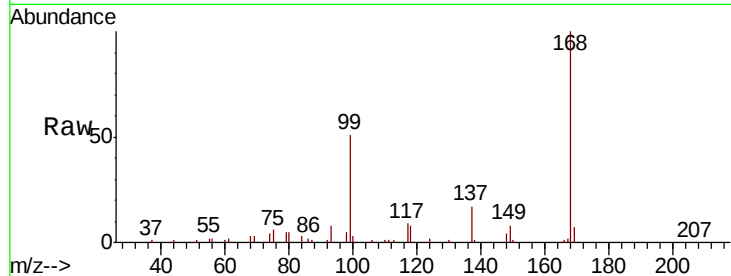
Tot Ion:117 Resp: 25305

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

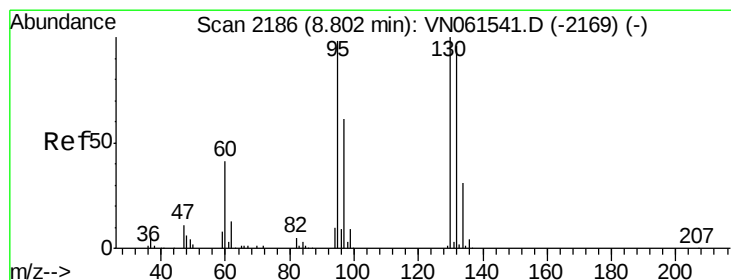
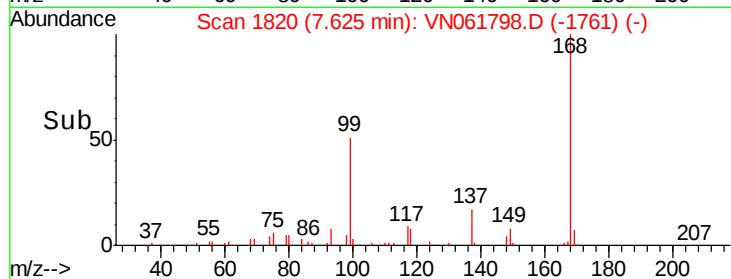
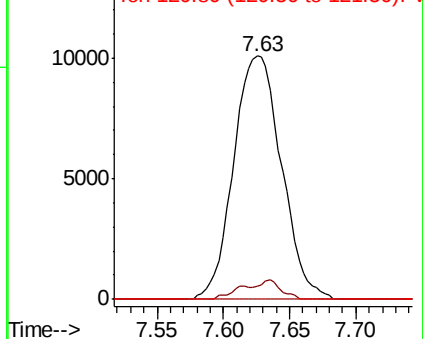
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 2.414 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061798.D

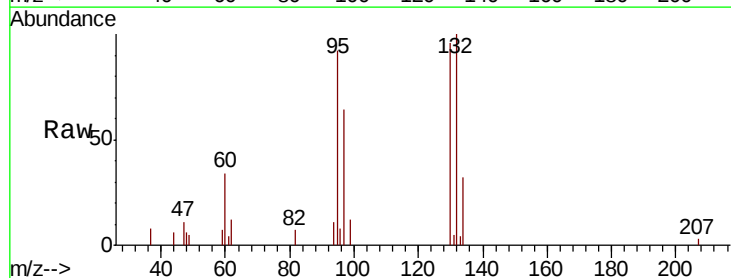
Acq: 12 Jun 2020 17:57

Tgt Ion:130 Resp: 9228

Ion Ratio Lower Upper

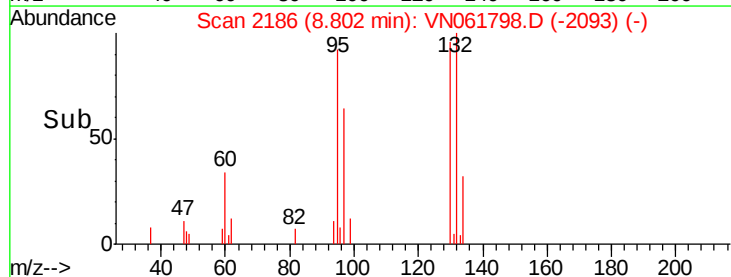
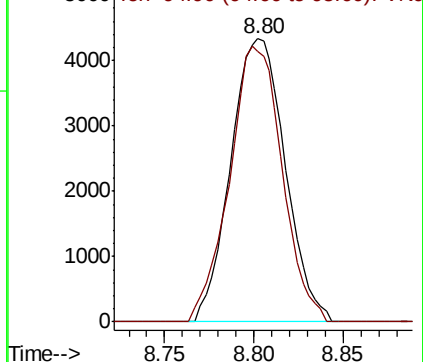
130 100

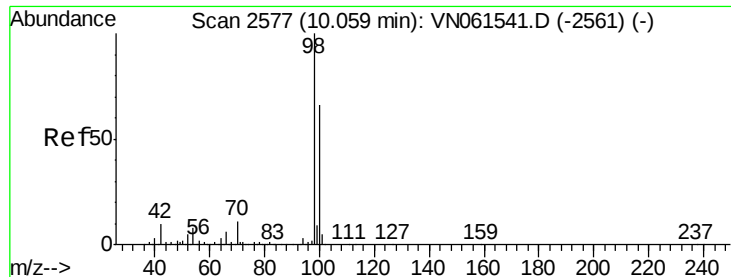
95 95.5 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 51.335 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

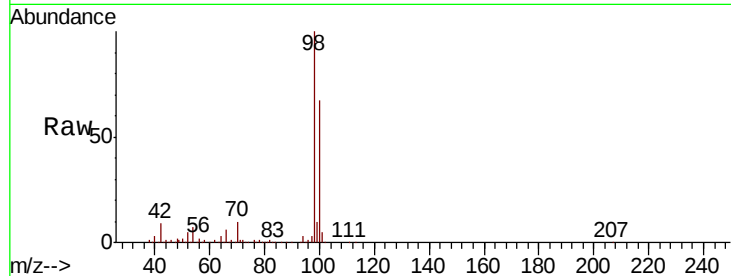
RE122D3-20200610

Tot Ion: 98 Resp: 549449

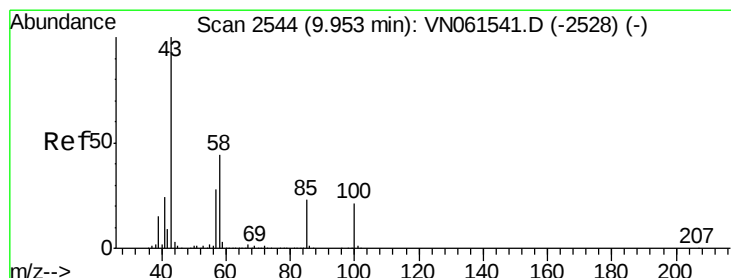
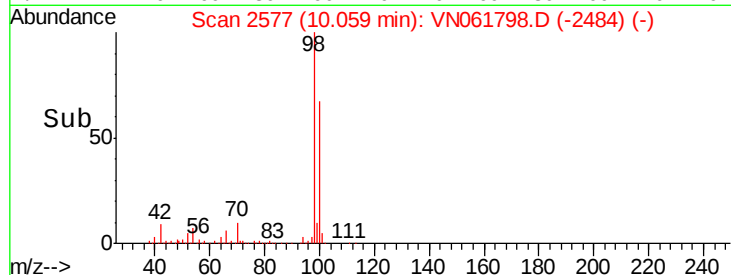
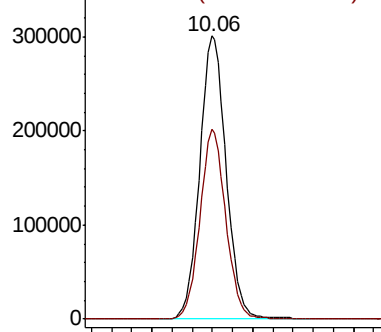
Ion Ratio Lower Upper

98 100

100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061798.D (-2484) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.555 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN061798.D

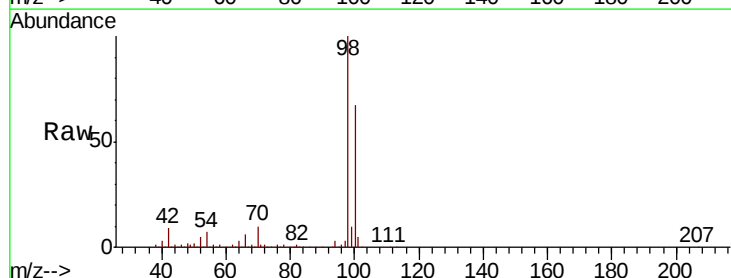
Acq: 12 Jun 2020 17:57

Tgt Ion: 43 Resp: 1826

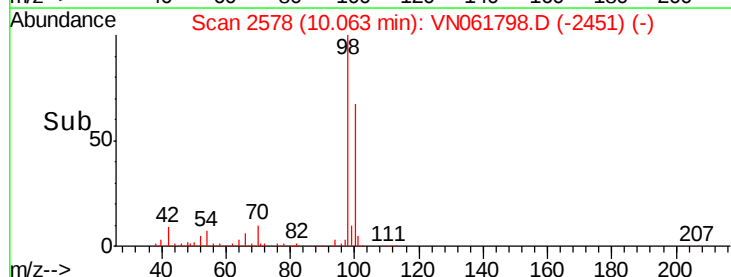
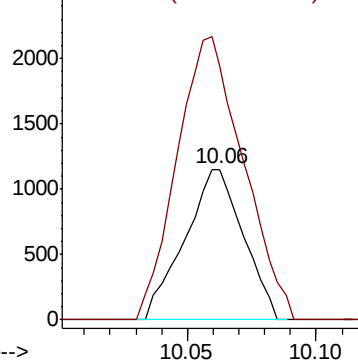
Ion Ratio Lower Upper

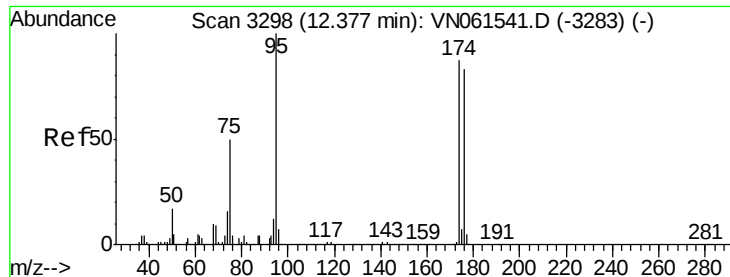
43 100

58 212.9 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061798.D (-2451) (-)





#62

4-Bromofluorobenzene

Concen: 48.161 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

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RE122D3-20200610

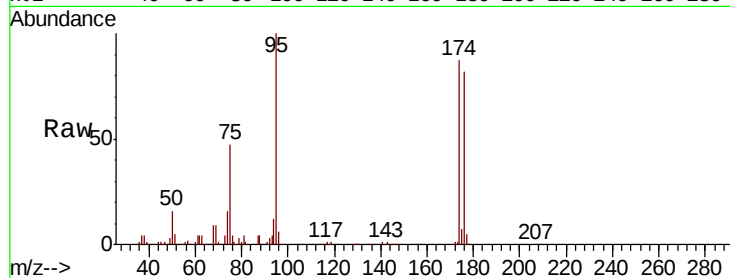
Tot Ion: 95 Resp: 188062

Ion Ratio Lower Upper

95 100

174 88.0 0.0 172.8

176 84.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061798.D (-2895) (-)

Ion 173.80 (173.50 to 174.50): VN061798.D (-2895) (-)

Ion 175.80 (175.50 to 176.50): VN061798.D (-2895) (-)

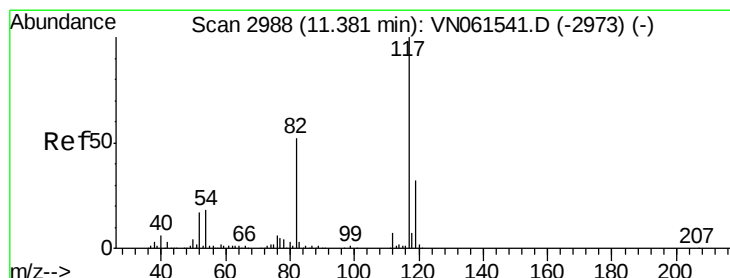
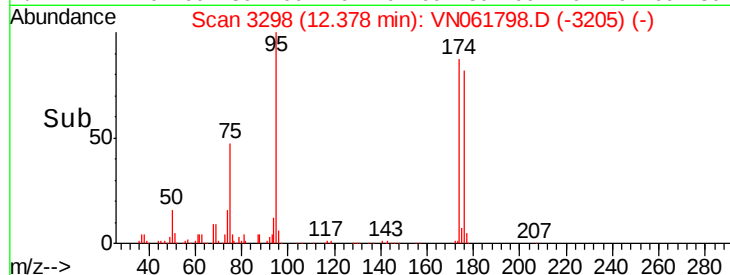
12.38

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: VN061798.D

Acq: 12 Jun 2020 17:57

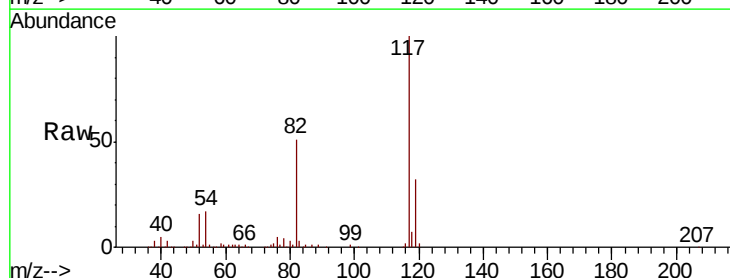
Tgt Ion: 117 Resp: 451983

Ion Ratio Lower Upper

117 100

82 51.3 41.5 62.3

119 32.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN061798.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061798.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061798.D (-2895) (-)

11.38

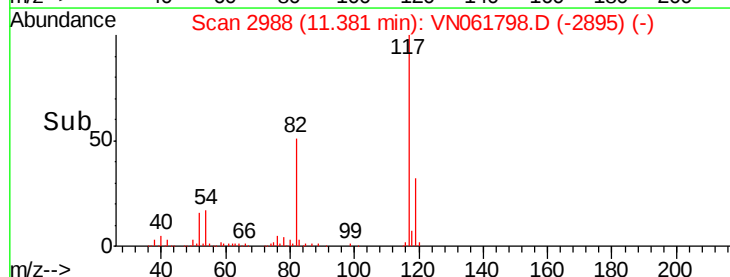
300000

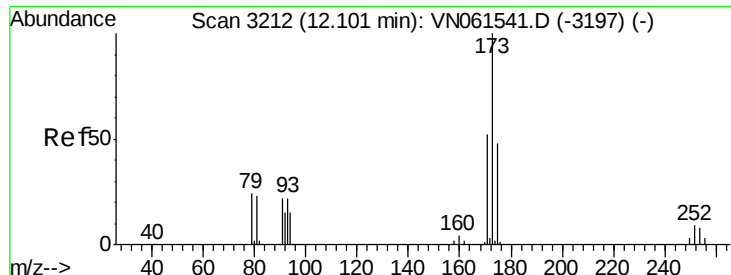
200000

100000

0

Time-->





#71

Bromoform

Concen: 0.751 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

Instrument :

MSVOA_N

ClientSampleId :

RE122D3-20200610

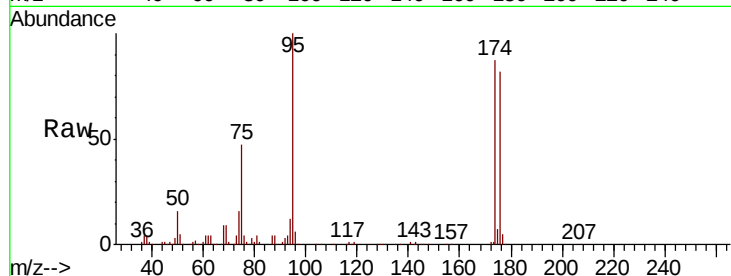
Tot Ion:173 Resp: 2024

Ion Ratio Lower Upper

173 100

175 507.0 24.4 73.2#

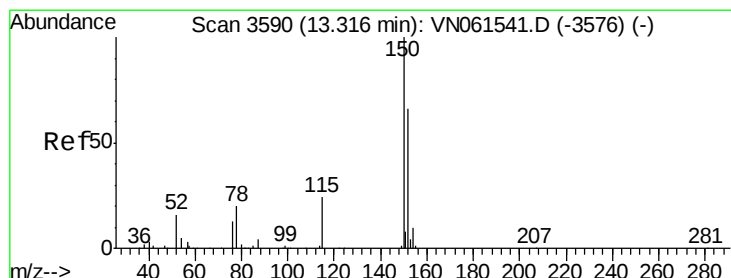
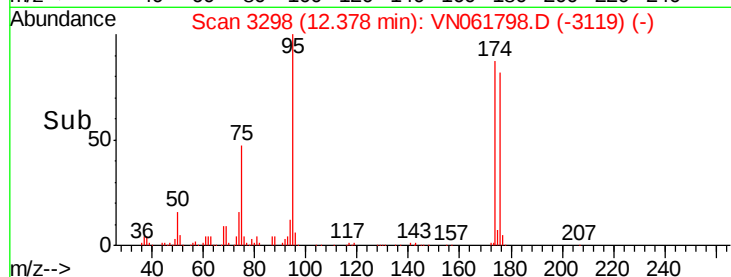
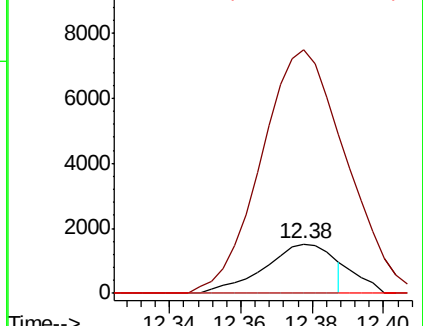
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061798.D

Acq: 12 Jun 2020 17:57

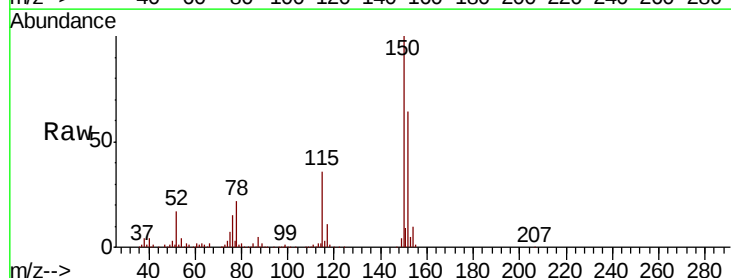
Tgt Ion:152 Resp: 196318

Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

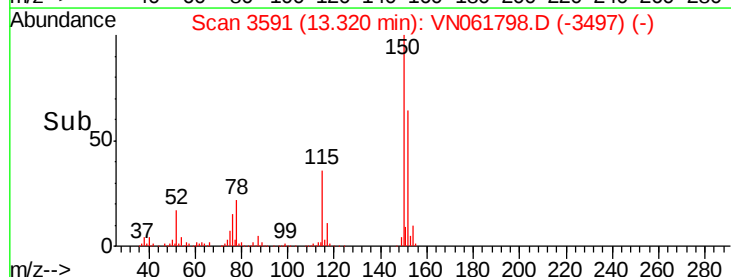
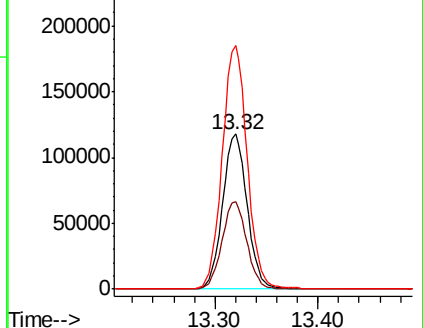
150 158.9 0.0 344.0

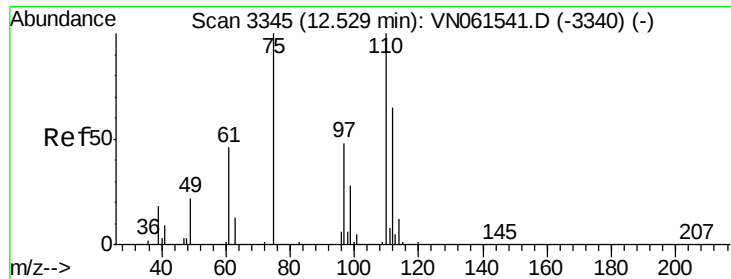


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

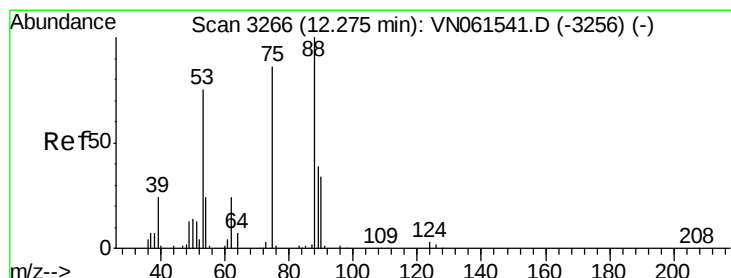
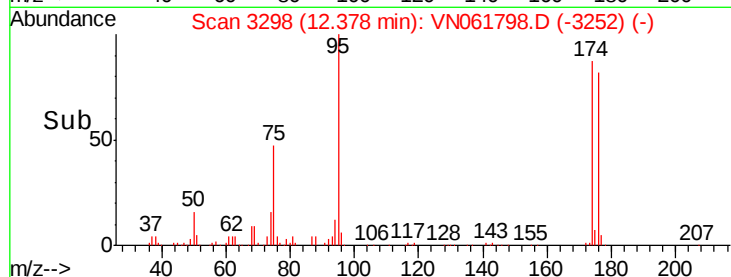
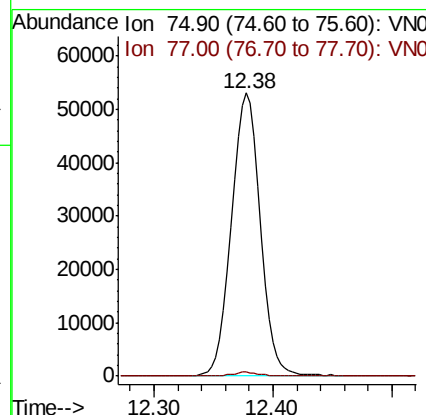
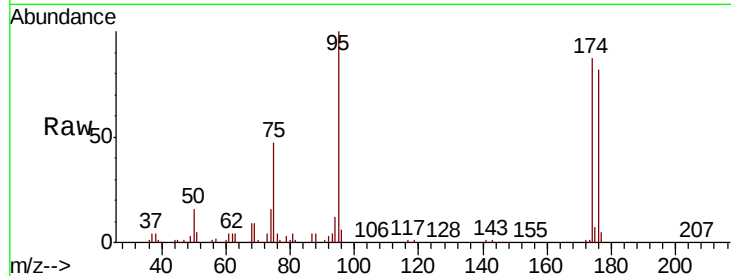




#76
 1,2,3-Trichloropropane
 Concen: 25.037 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061798.D
 Acq: 12 Jun 2020 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D3-20200610

Tot Ion: 75 Resp: 89377
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.026 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061798.D
 Acq: 12 Jun 2020 17:57

Tgt Ion: 75 Resp: 89377
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

