

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061668.D
 Acq On : 5 Jun 2020 14:44
 Operator : JC/MD
 Sample : L2904-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP

Quant Time: Jun 06 03:21:23 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	314951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	544060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	535163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253282	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	179011	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	7.55	113	153777	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	10.06	98	646488	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.38	95	244618	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

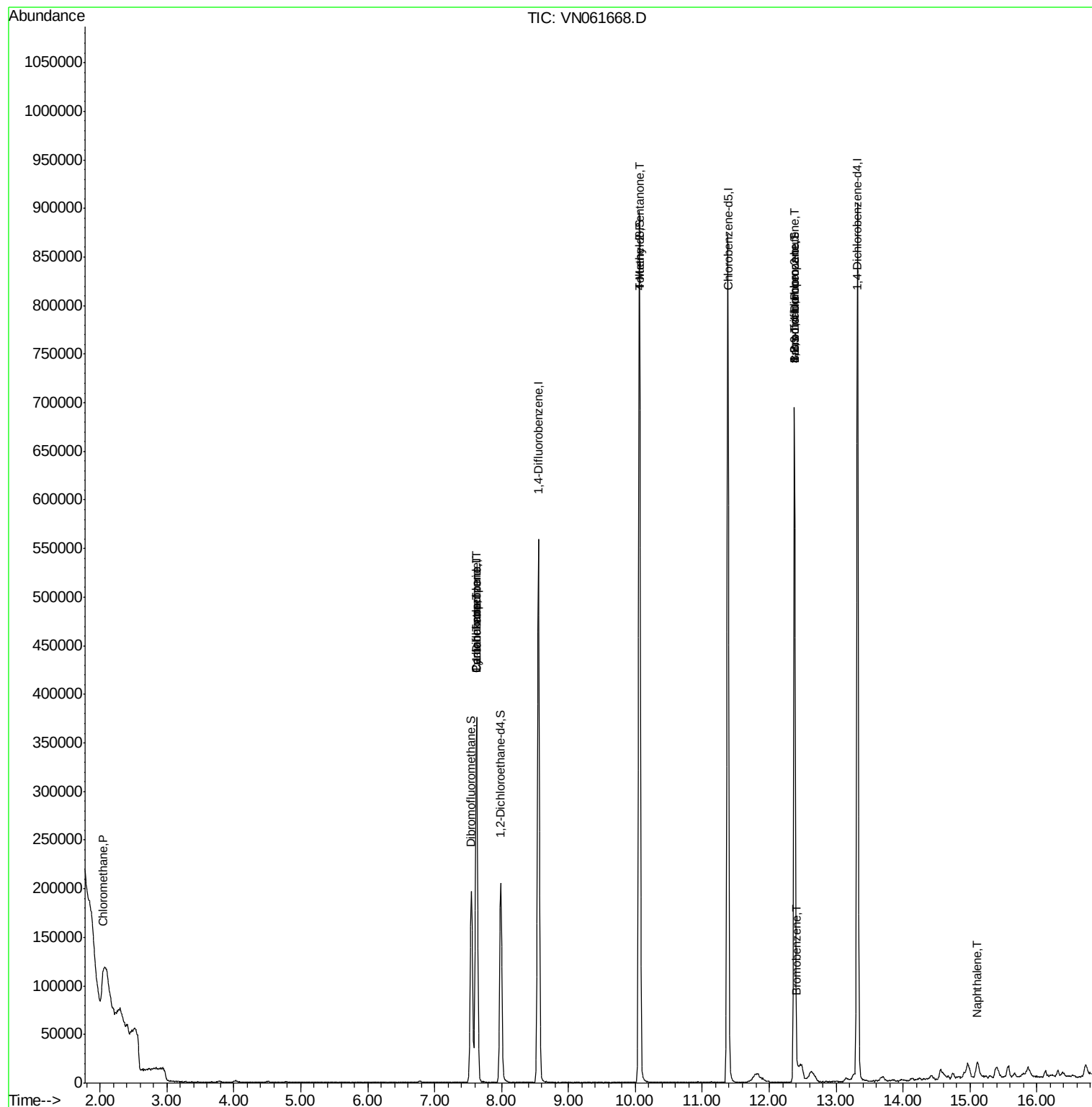
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	954	0.25	ug/l	# 84
16) Acetone	3.79	43	2131	Below	Cal	# 99
20) Methylene Chloride	4.50	84	506	Below	Cal	# 53
31) Cyclohexane	7.63	56	5503	1.04	ug/l	# 1
36) 1,1-Dichloropropene	7.63	75	21543	4.47	ug/l	# 43
38) Carbon Tetrachloride	7.63	117	30714	6.61	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.06	43	2522	0.64	ug/l	# 1
71) Bromoform	12.38	173	2014	0.63	ug/l	# 1
76) 1,2,3-Trichloropropane	12.37	75	119132	25.87	ug/l	# 100
77) Bromobenzene	12.42	156	8634	1.83	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.37	75	119132	66.15	ug/l	# 15
95) Naphthalene	15.10	128	3064	0.22	ug/l	# 96

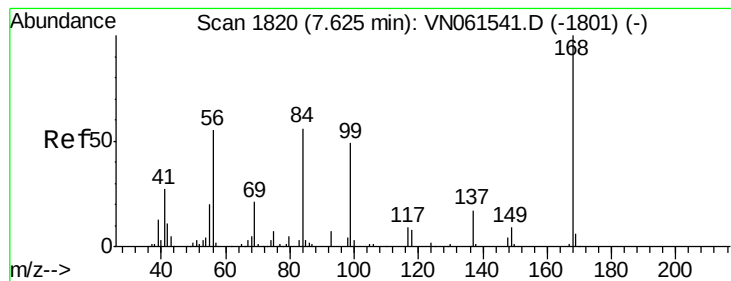
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

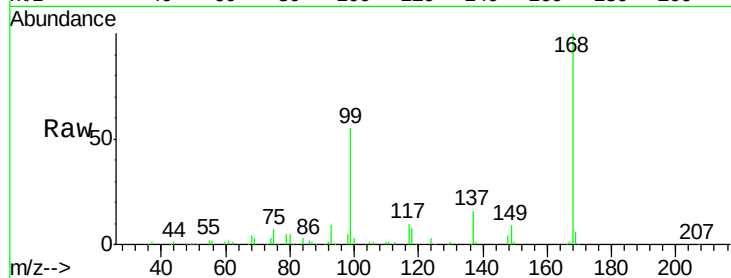
DUP

Tgt Ion:168 Resp: 314951

Ion Ratio Lower Upper

168 100

99 55.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

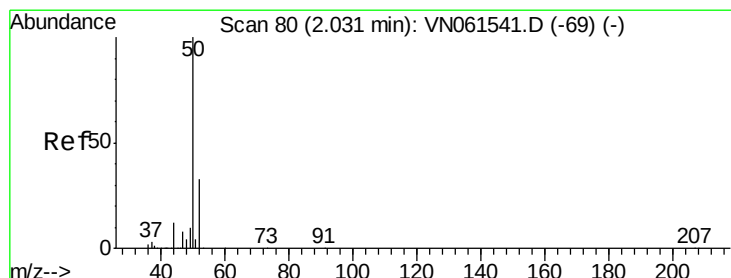
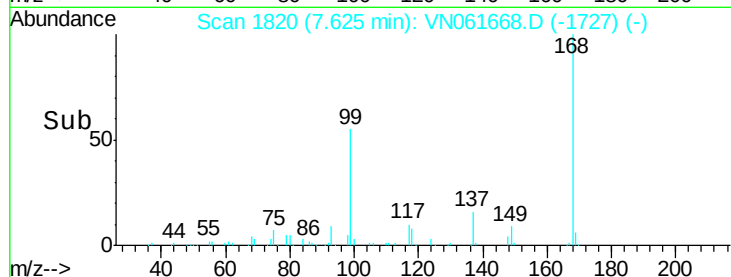
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061668.D

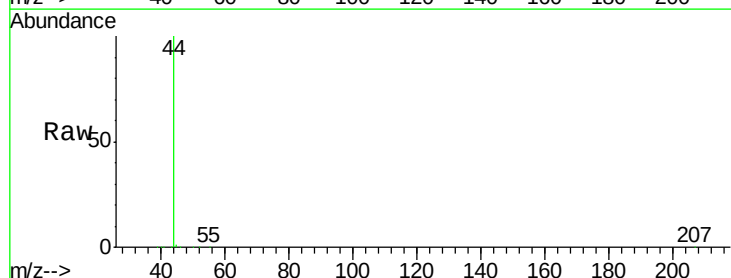
Acq: 5 Jun 2020 14:44

Tgt Ion: 50 Resp: 954

Ion Ratio Lower Upper

50 100

52 42.5 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

600

500

400

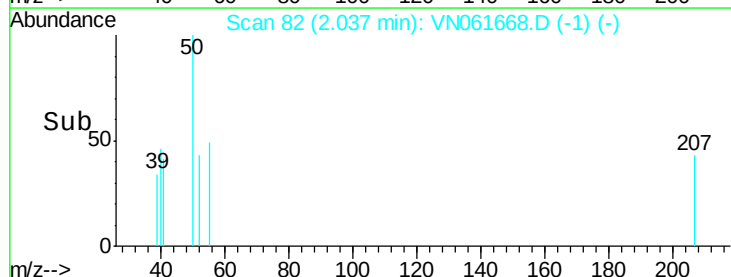
300

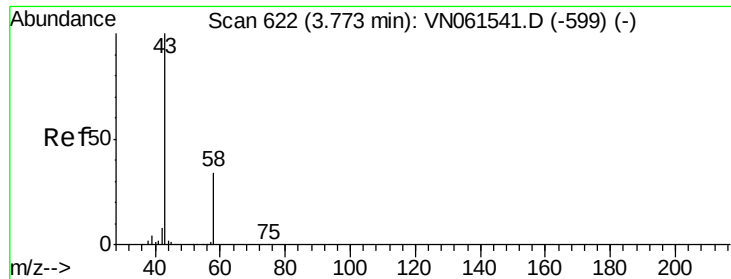
200

100

0

Time--> 2.00 2.02 2.04 2.06 2.08





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.02 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

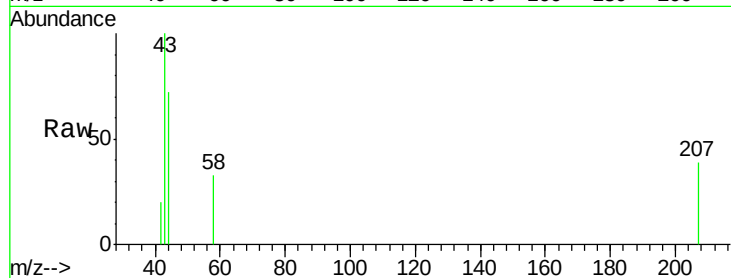
DUP

Tgt Ion: 43 Resp: 2131

Ion Ratio Lower Upper

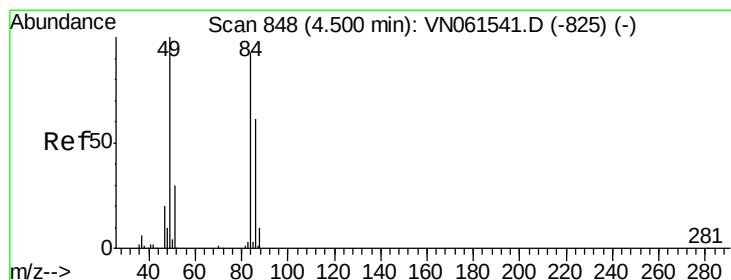
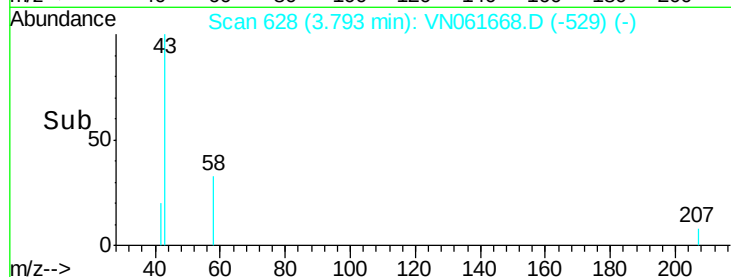
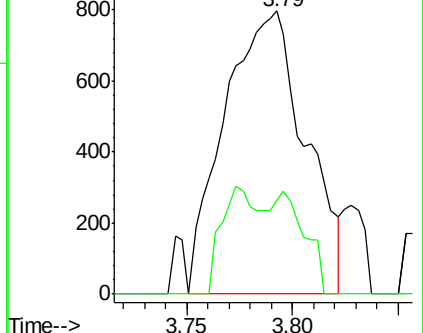
43 100

58 33.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-599) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 848

Delta R.T. 0.00 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Tgt Ion: 84 Resp: 506

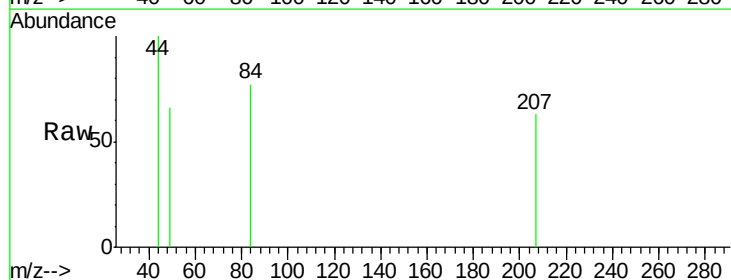
Ion Ratio Lower Upper

84 100

49 85.5 85.8 128.8#

51 0.0 26.2 39.2#

86 0.0 52.6 78.8#

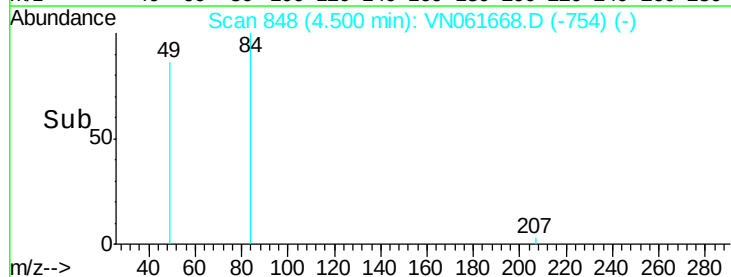
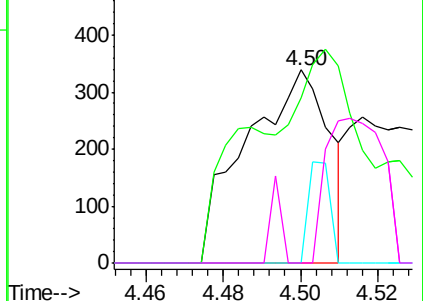


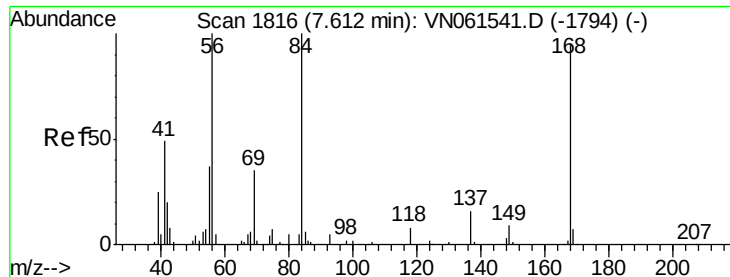
Abundance Ion 83.90 (83.60 to 84.60): VN061541.D (-825) (-)

Ion 48.90 (48.60 to 49.60): VN061541.D (-825) (-)

Ion 50.90 (50.60 to 51.60): VN061541.D (-825) (-)

Ion 85.90 (85.60 to 86.60): VN061541.D (-825) (-)

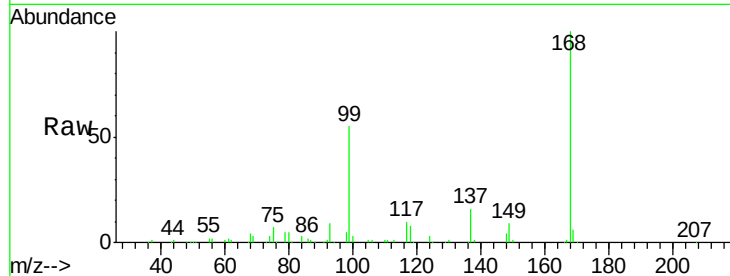




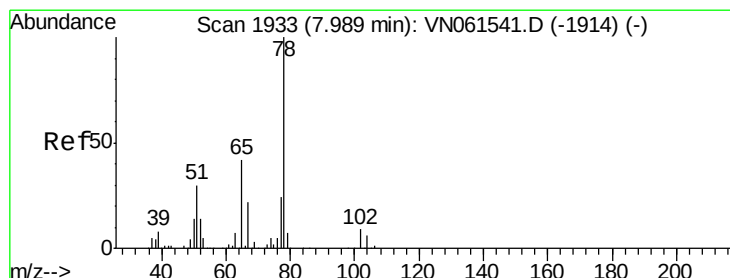
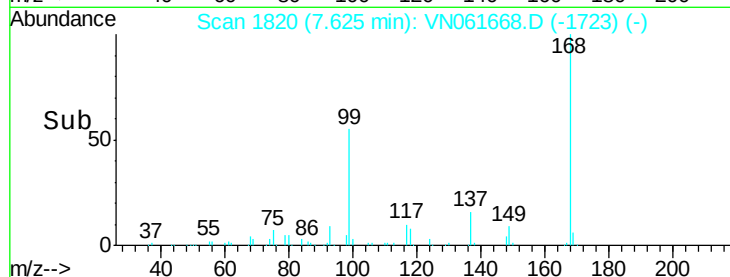
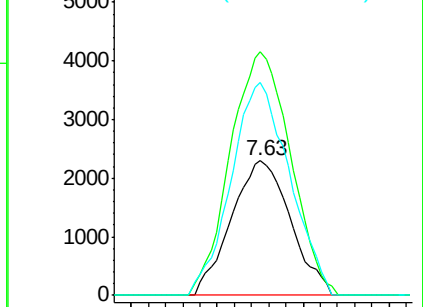
#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061668.D
Acq: 5 Jun 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
DUP

Tgt Ion: 56 Resp: 5503
Ion Ratio Lower Upper
56 100
69 180.9 27.8 41.8#
84 158.6 79.9 119.9#

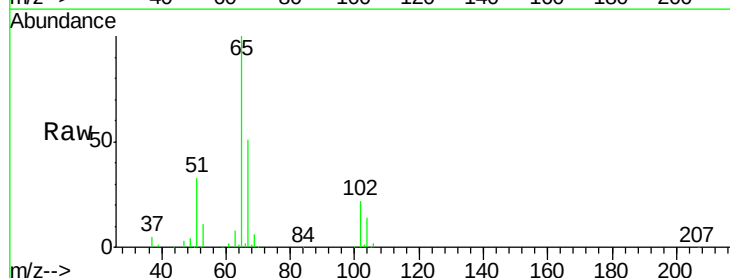


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

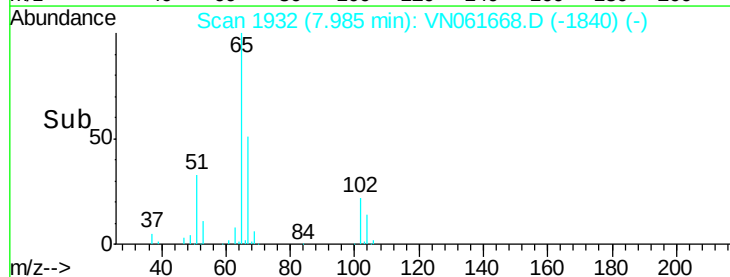
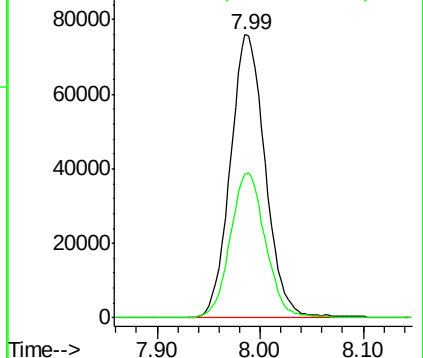


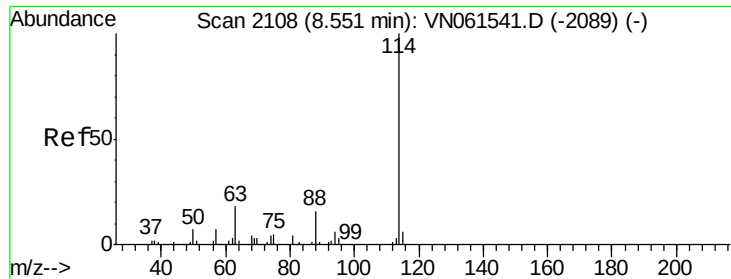
#33
1,2-Dichloroethane-d4
Concen: 47.71 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN061668.D
Acq: 5 Jun 2020 14:44

Tgt Ion: 65 Resp: 179011
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

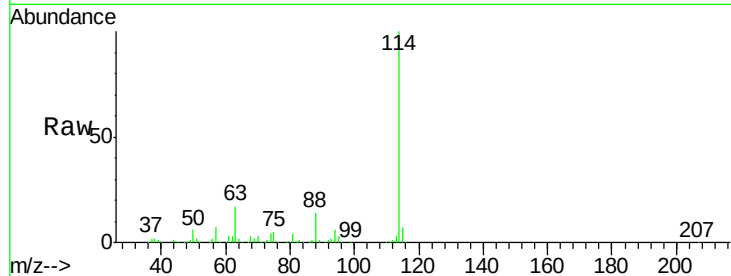




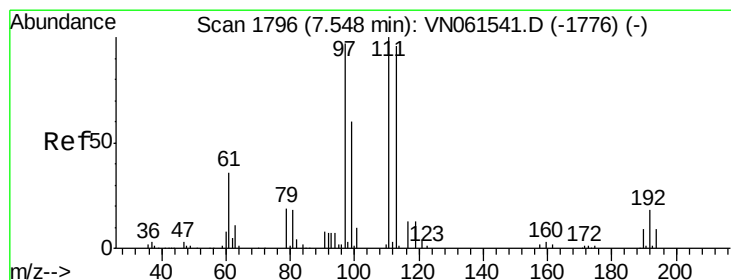
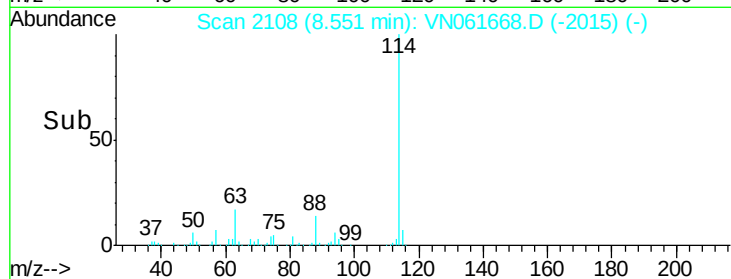
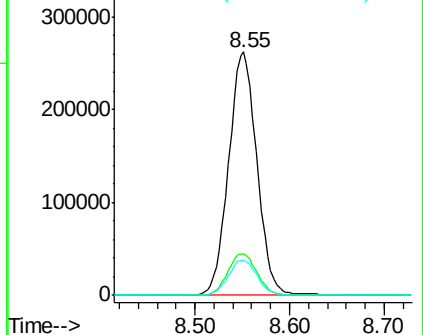
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061668.D
 Acq: 5 Jun 2020 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP

Tgt Ion:114 Resp: 544060
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.8
 88 14.2 0.0 31.0

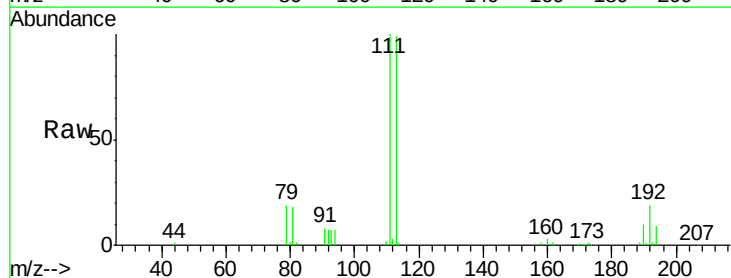


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

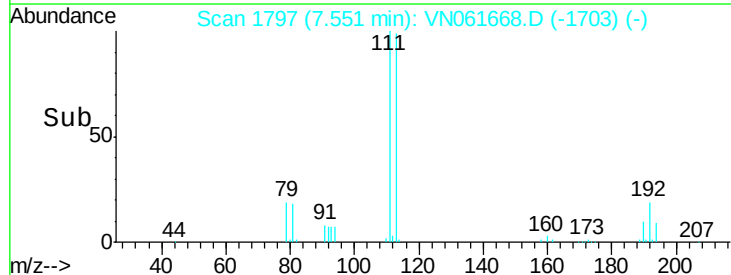
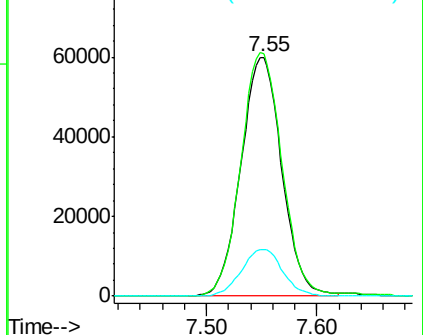


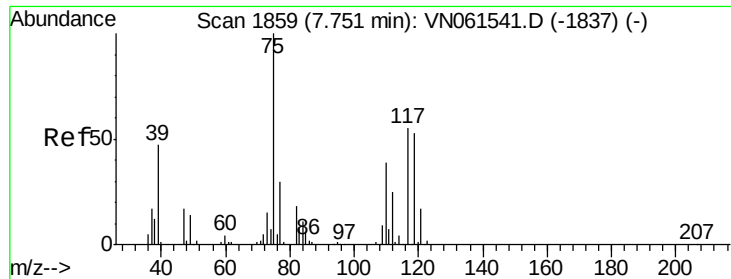
#35
 Dibromofluoromethane
 Concen: 55.72 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061668.D
 Acq: 5 Jun 2020 14:44

Tgt Ion:113 Resp: 153777
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.0
 192 19.8 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

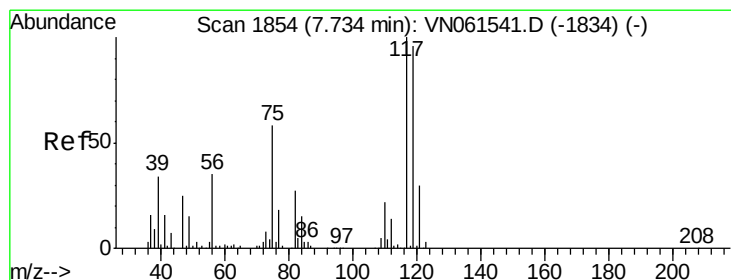
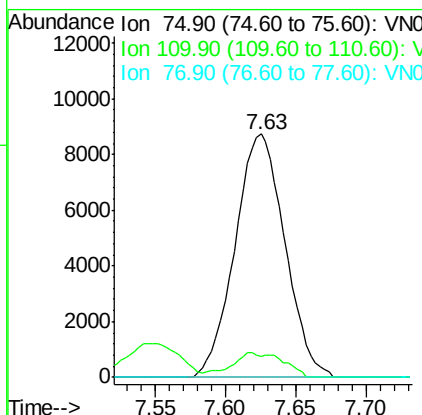
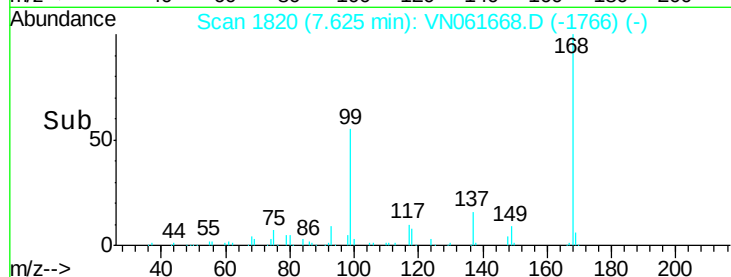
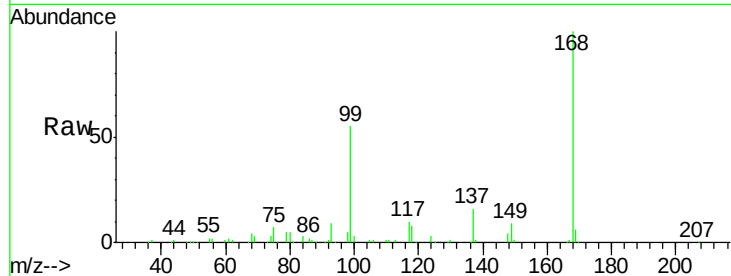




#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061668.D
 Acq: 5 Jun 2020 14:44

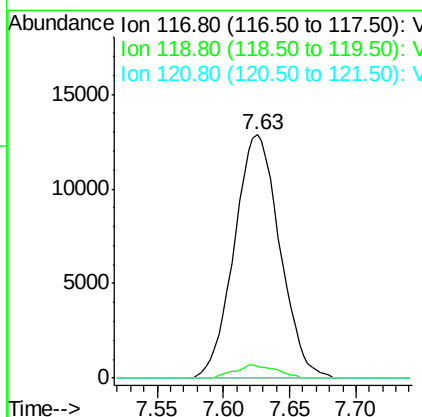
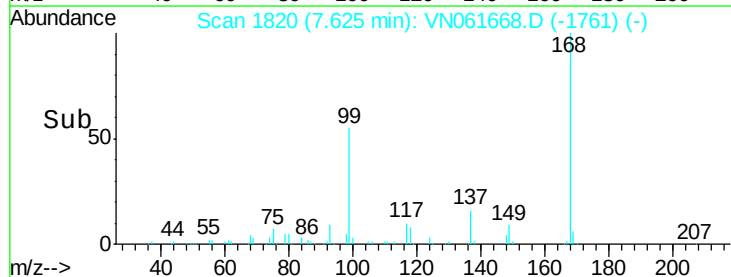
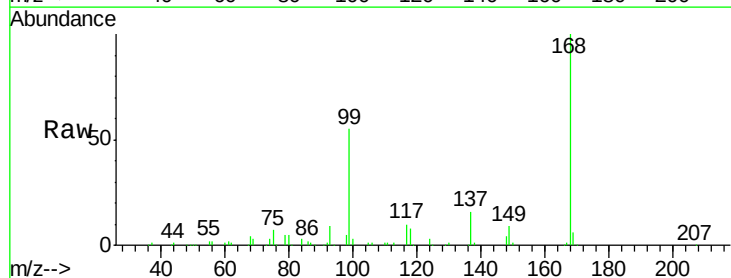
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP

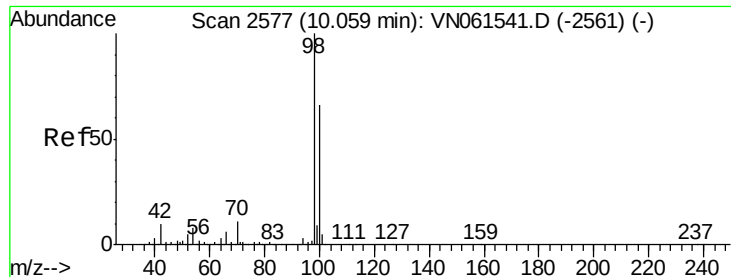
Tgt Ion: 75 Resp: 21543
 Ion Ratio Lower Upper
 75 100
 110 4.3 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.61 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061668.D
 Acq: 5 Jun 2020 14:44

Tgt Ion: 117 Resp: 30714
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.5 114.7#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 50.55 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

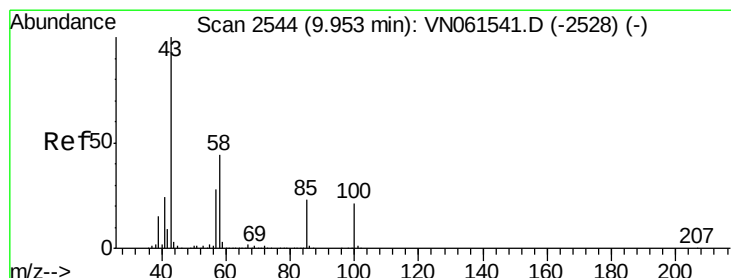
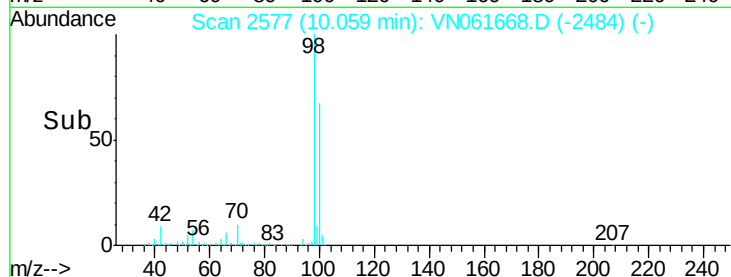
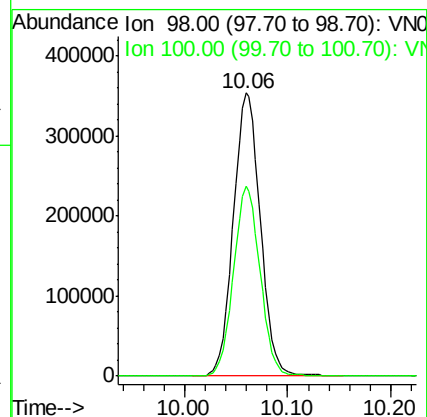
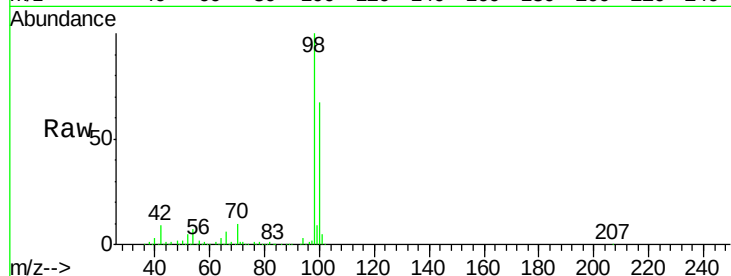
DUP

Tgt Ion: 98 Resp: 646488

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 0.64 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061668.D

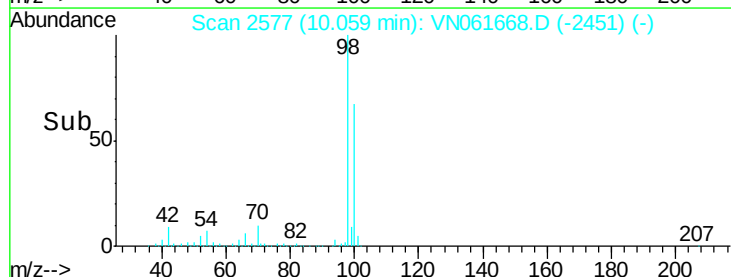
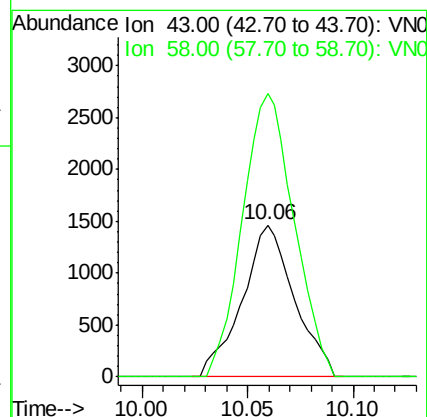
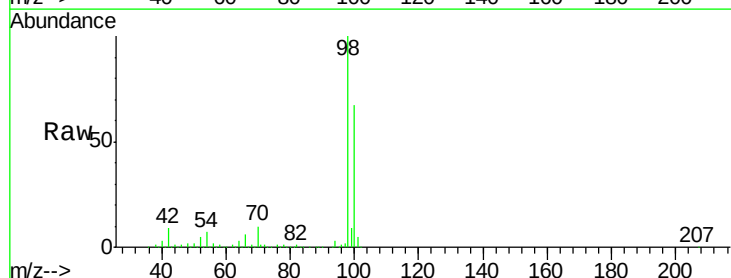
Acq: 5 Jun 2020 14:44

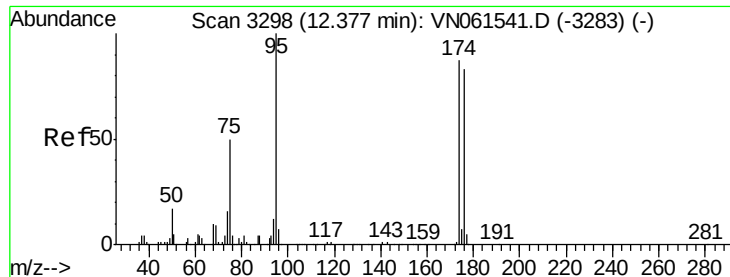
Tgt Ion: 43 Resp: 2522

Ion Ratio Lower Upper

43 100

58 183.7 35.0 52.6#





#62

4-Bromofluorobenzene

Concen: 52.42 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Instrument :

MSVOA_N

ClientSampleId :

DUP

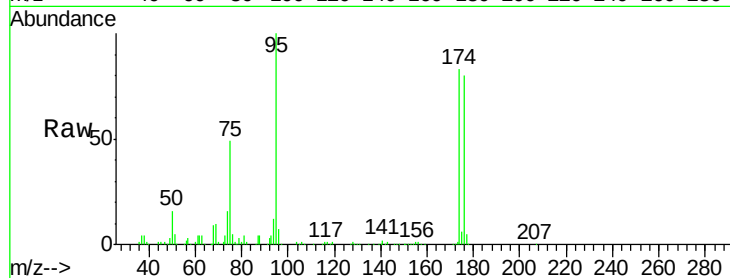
Tgt Ion: 95 Resp: 244618

Ion Ratio Lower Upper

95 100

174 82.6 0.0 172.8

176 79.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061668.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061668.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061668.D (-3205) (-)

12.38

150000

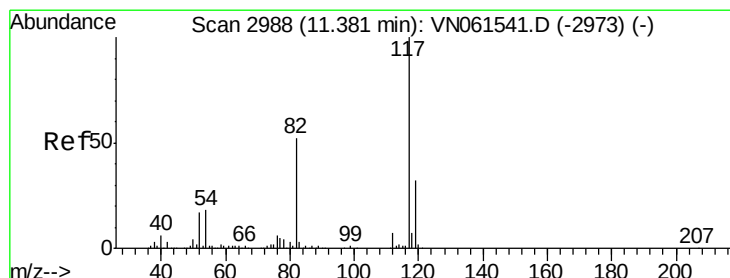
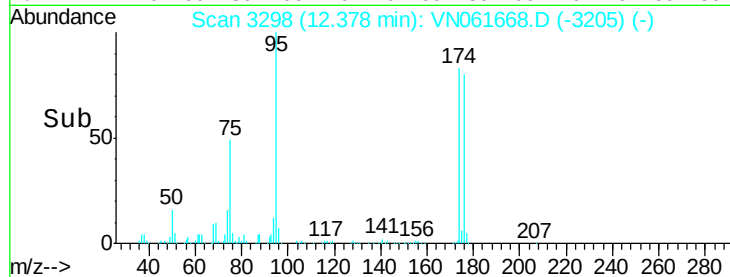
100000

50000

0

12.30 12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

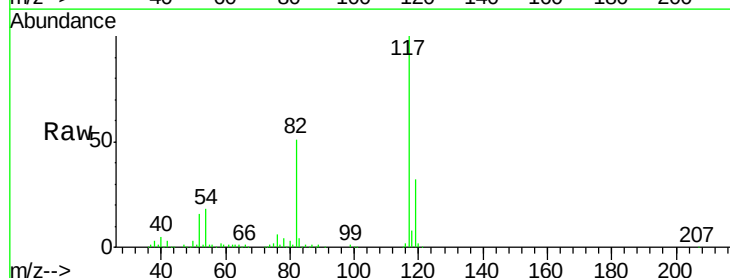
Tgt Ion: 117 Resp: 535163

Ion Ratio Lower Upper

117 100

82 50.6 41.5 62.3

119 32.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN061668.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061668.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061668.D (-2895) (-)

11.38

400000

300000

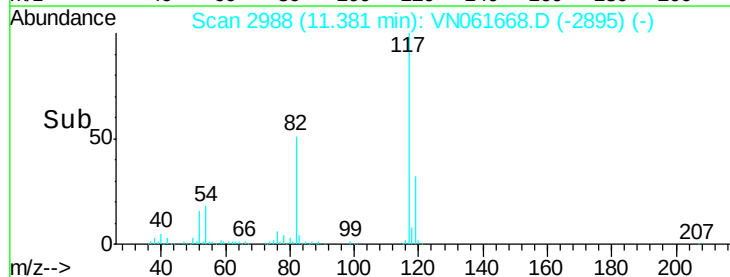
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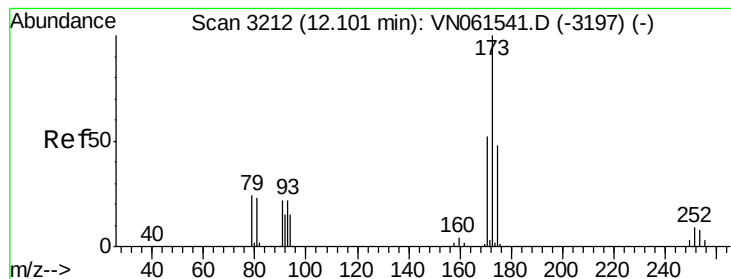
100000

0

11.30 11.40 11.50

Time-->





#71

Bromoform

Concen: 0.63 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

DUP

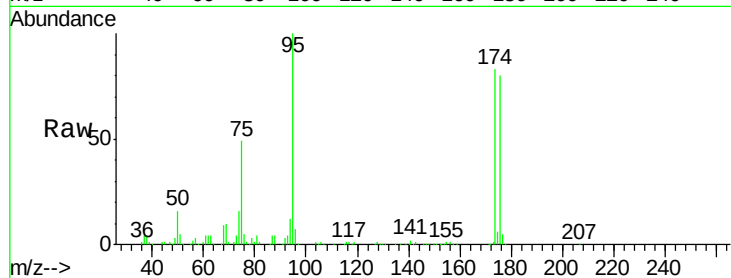
Tgt Ion:173 Resp: 2014

Ion Ratio Lower Upper

173 100

175 596.1 24.4 73.2#

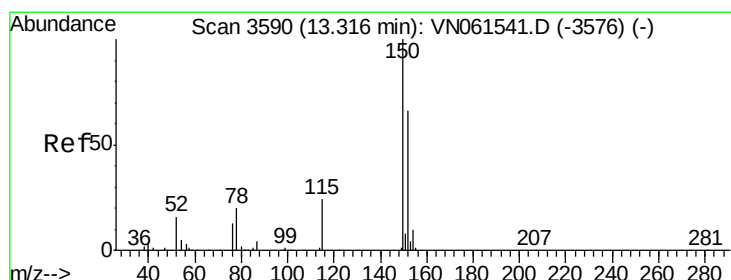
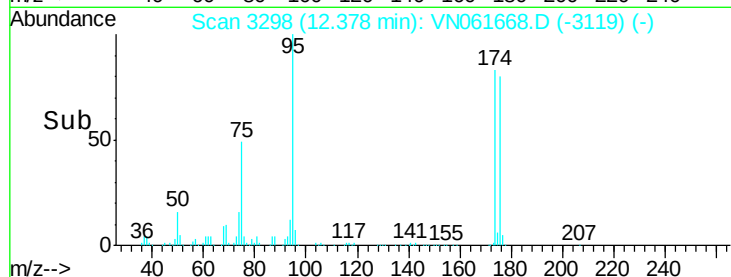
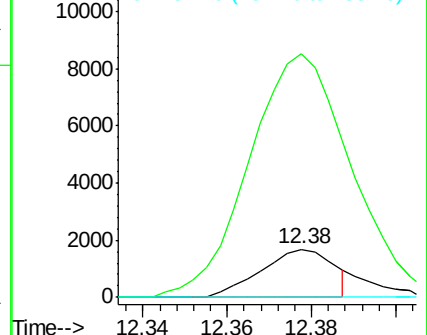
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

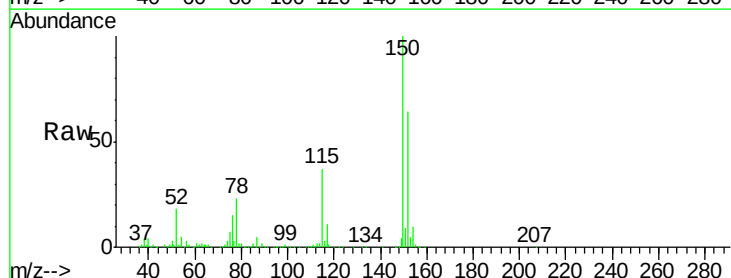
Tgt Ion:152 Resp: 253282

Ion Ratio Lower Upper

152 100

115 57.2 28.0 84.0

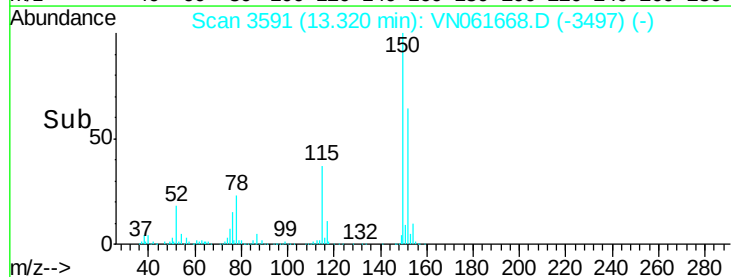
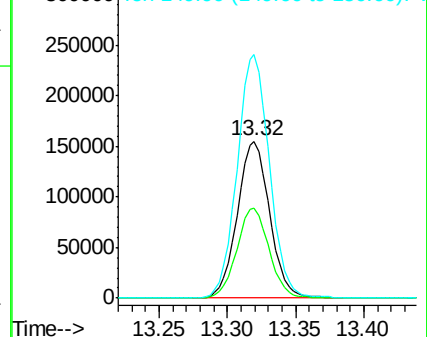
150 156.5 0.0 344.0

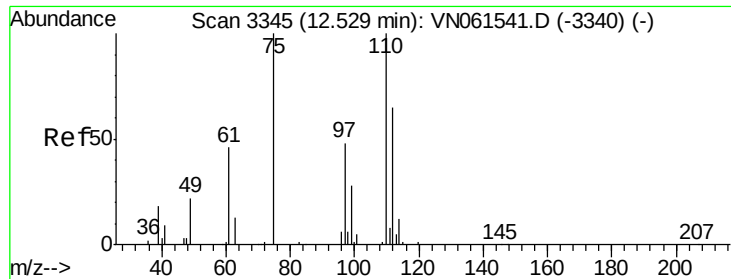


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.87 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

Instrument :

MSVOA_N

ClientSampled :

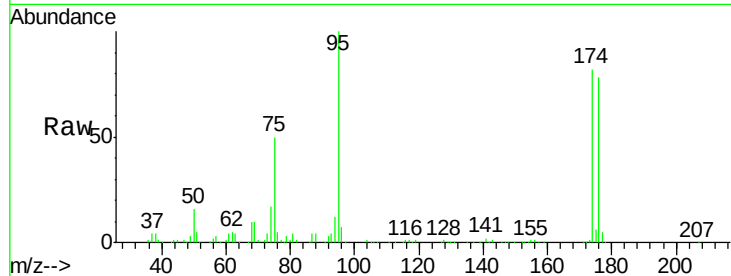
DUP

Tgt Ion: 75 Resp: 119132

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.37

80000

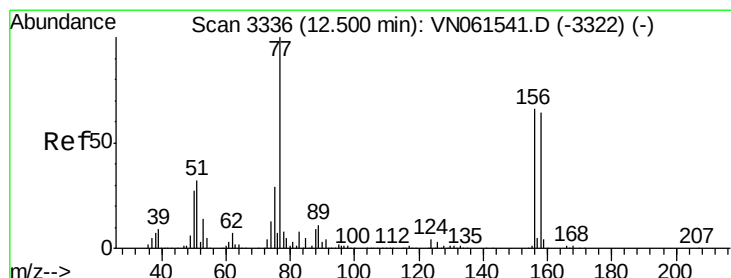
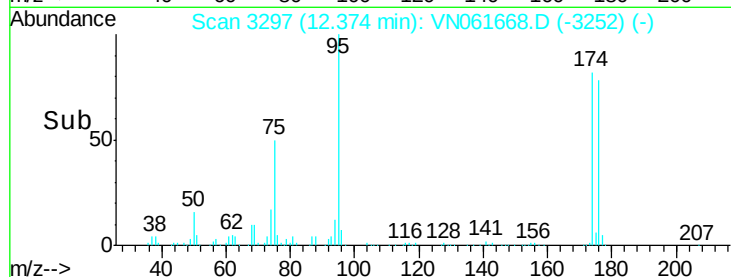
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#77

Bromobenzene

Concen: 1.83 ug/l

RT: 12.42 min Scan# 3310

Delta R.T. -0.08 min

Lab File: VN061668.D

Acq: 5 Jun 2020 14:44

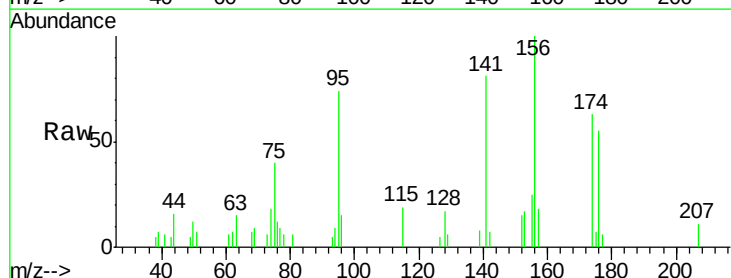
Tgt Ion: 156 Resp: 8634

Ion Ratio Lower Upper

156 100

77 5.1 90.9 272.7#

158 0.0 48.4 145.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

6000

5000

4000

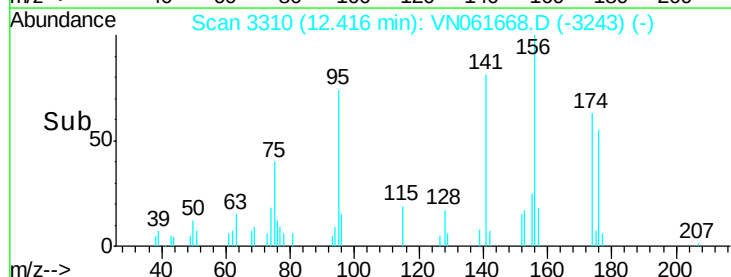
3000

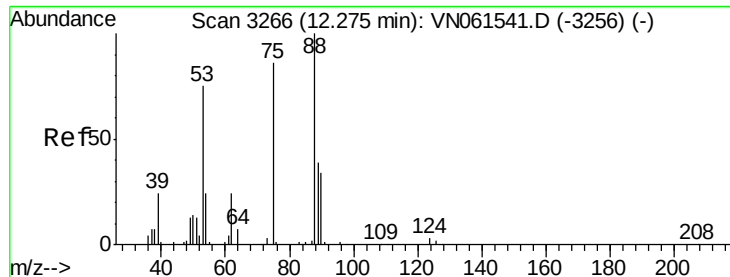
2000

1000

0

Time--> 12.30 12.40

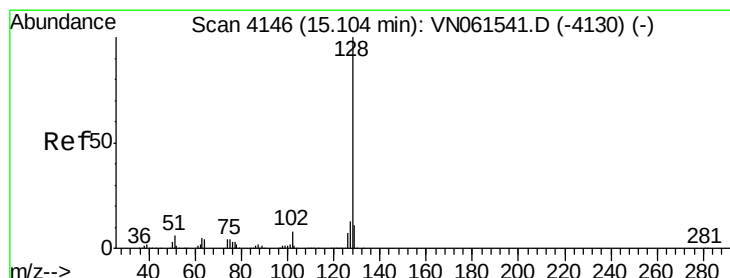
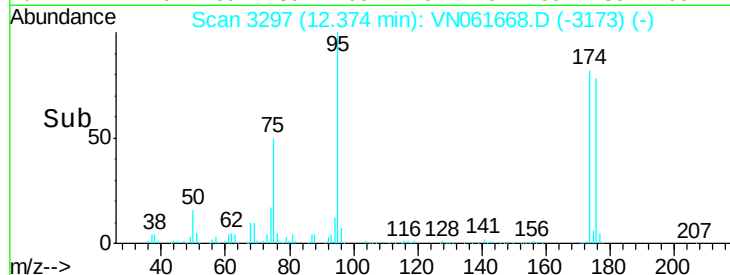
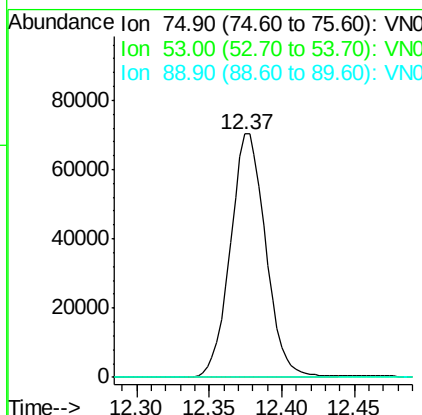
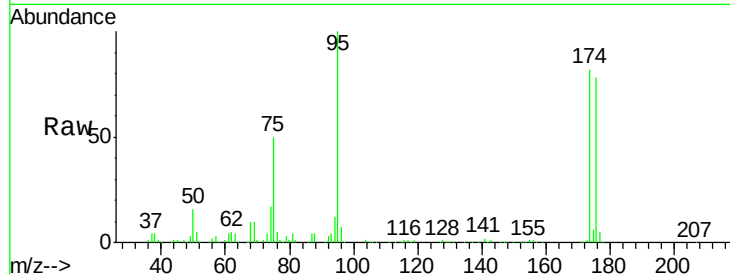




#81
trans-1,4-Dichloro-2-butene
Concen: 66.15 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.10 min
Lab File: VN061668.D
Acq: 5 Jun 2020 14:44

Instrument :
MSVOA_N
ClientSampled :
DUP

Tgt Ion: 75 Resp: 119132
Ion Ratio Lower Upper
75 100
53 0.0 67.8 101.8#
89 0.0 37.1 55.7#



#95
Naphthalene
Concen: 0.22 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061668.D
Acq: 5 Jun 2020 14:44

Tgt Ion: 128 Resp: 3064
Ion Ratio Lower Upper
128 100
127 12.3 10.0 15.0
129 7.7 8.5 12.7#

