

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062138.D
 Acq On : 26 Jun 2020 14:37
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

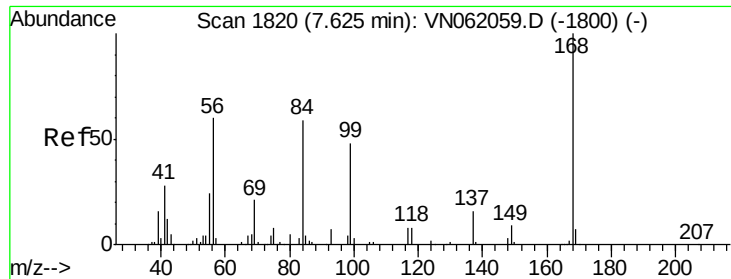
Quant Time: Jun 27 03:41:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	224312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	414116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	392266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150244	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	152224	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	7.55	113	129375	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
50) Toluene-d8	10.06	98	512926	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.38	95	168337	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	217	Below Cal	#	41
16) Acetone	3.80	43	29	Below Cal	#	40
20) Methylene Chloride	4.49	84	286	Below Cal	#	48
27) cis-1,2-Dichloroethene	6.78	96	925	0.280	ug/l	88
31) Cyclohexane	7.62	56	5232	1.203	ug/l #	20
36) 1,1-Dichloropropene	7.62	75	17781	4.272	ug/l #	48
38) Carbon Tetrachloride	7.63	117	22108	5.634	ug/l #	15
44) Trichloroethene	8.80	130	10888	3.402	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	2029	0.618	ug/l #	1
71) Bromoform	12.37	173	1666	0.787	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	84912	24.008	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	84912	70.111	ug/l #	13
95) Naphthalene	15.10	128	30	3.999	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

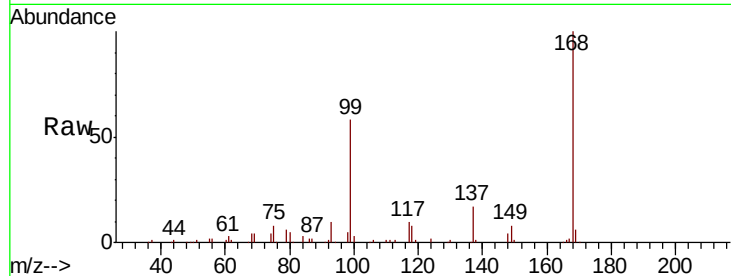
IBLK

Tot Ion:168 Resp: 224312

Ion Ratio Lower Upper

168 100

99 57.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

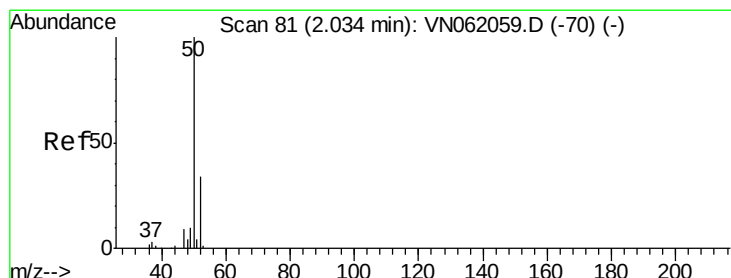
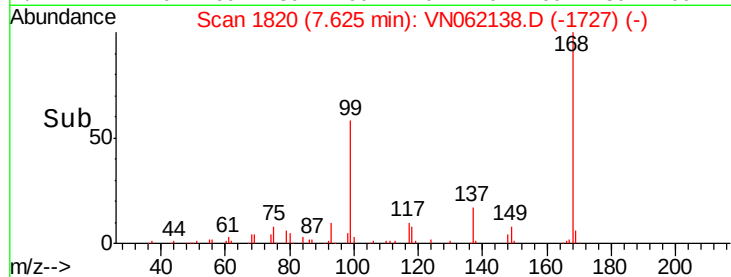
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062138.D

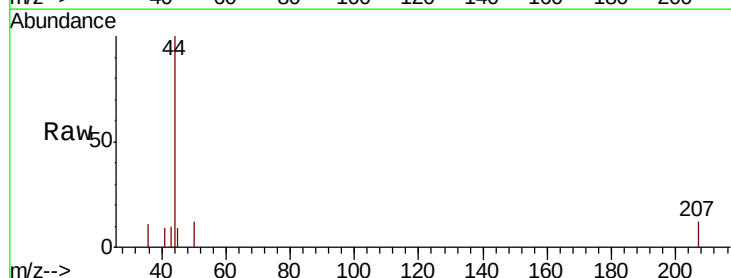
Acq: 26 Jun 2020 14:37

Tgt Ion: 50 Resp: 217

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

250

200

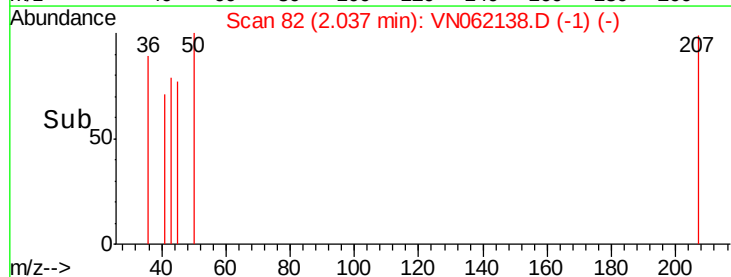
150

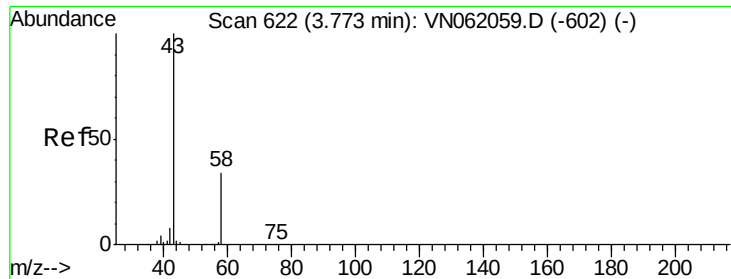
100

50

0

Time--> 2.02 2.04 2.06

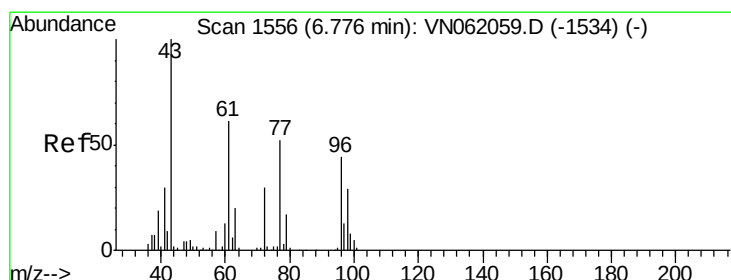
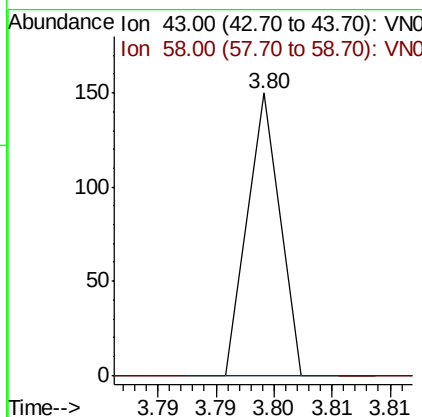
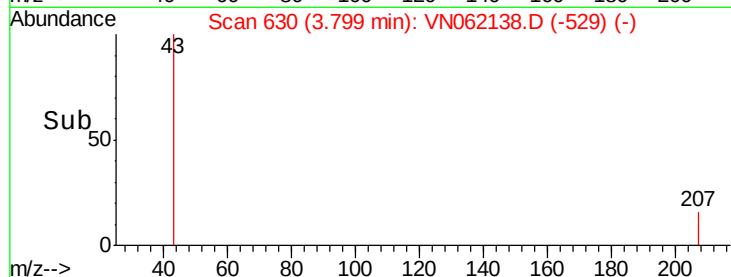
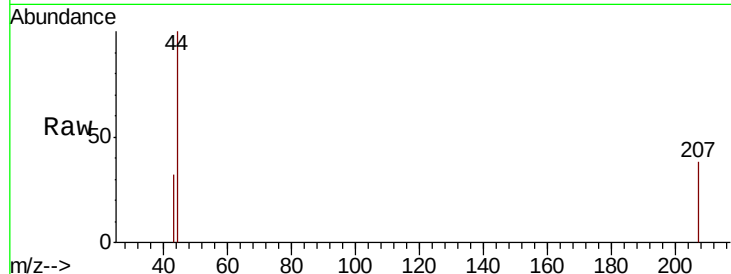




#16
Acetone
Concen: Below Cal
RT: 3.80 min Scan# 630
Delta R.T. 0.03 min
Lab File: VN062138.D
Acq: 26 Jun 2020 14:37

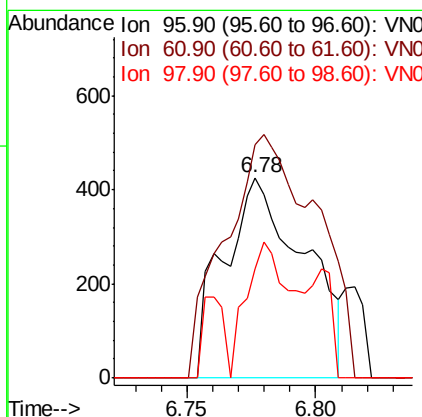
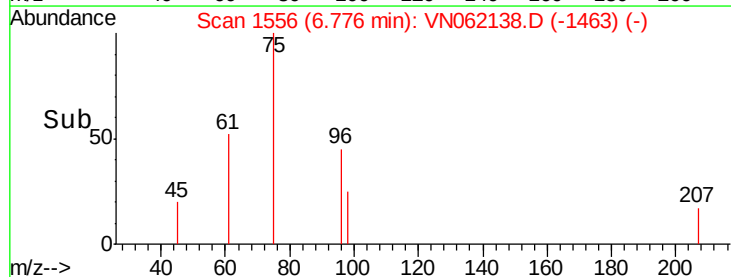
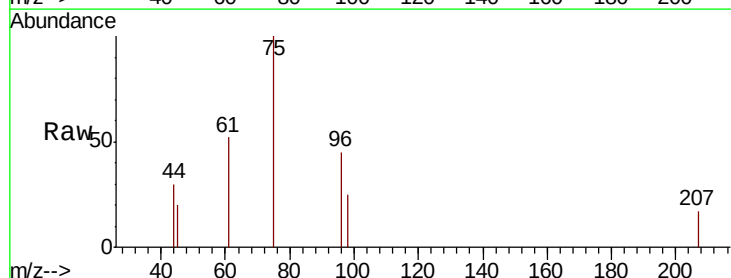
Instrument :
MSVOA_N
ClientSampleId :
IBLK

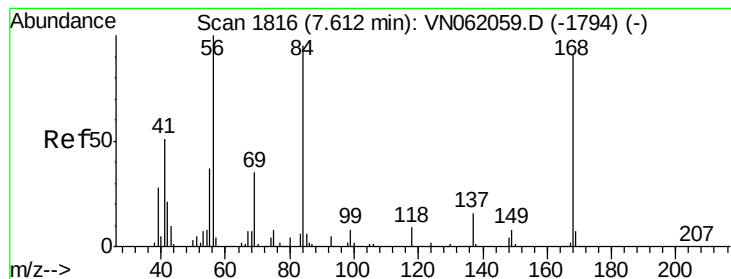
Tot Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#27
cis-1,2-Dichloroethene
Concen: 0.280 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VN062138.D
Acq: 26 Jun 2020 14:37

Tgt Ion: 96 Resp: 925
Ion Ratio Lower Upper
96 100
61 137.3 0.0 280.4
98 38.8 0.0 129.4





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

IBLK

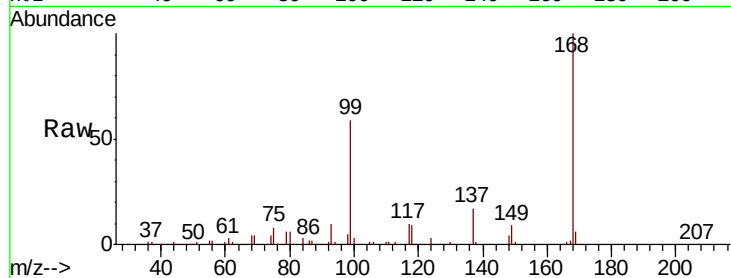
Tot Ion: 56 Resp: 5232

Ion Ratio Lower Upper

56 100

69 164.6 28.0 42.0#

84 121.6 76.1 114.1#

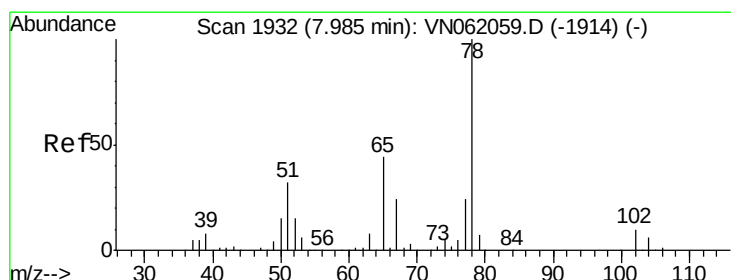
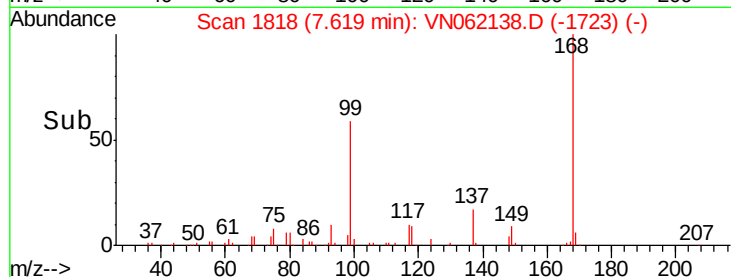
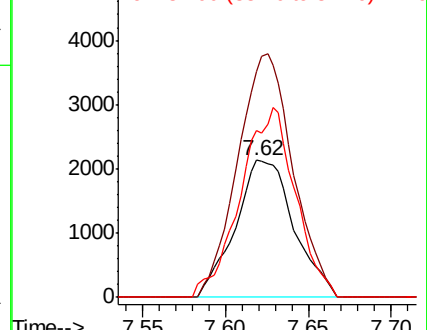


Abundance

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: 48.358 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062138.D

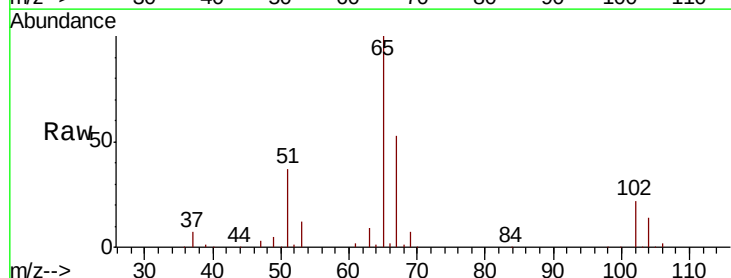
Acq: 26 Jun 2020 14:37

Tgt Ion: 65 Resp: 152224

Ion Ratio Lower Upper

65 100

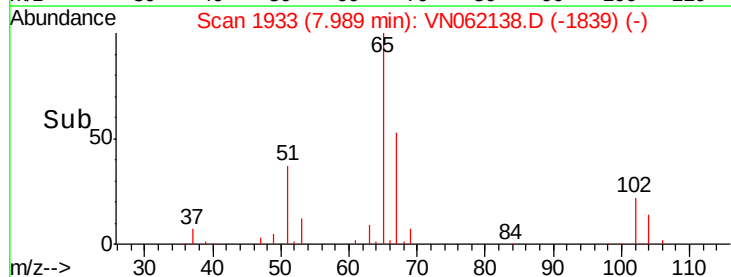
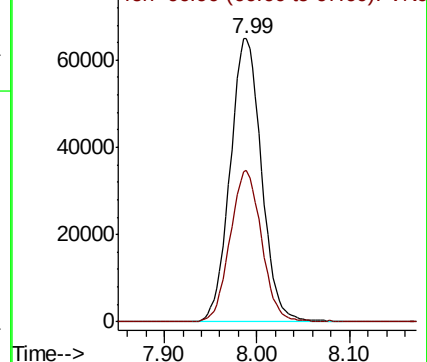
67 53.6 0.0 106.2

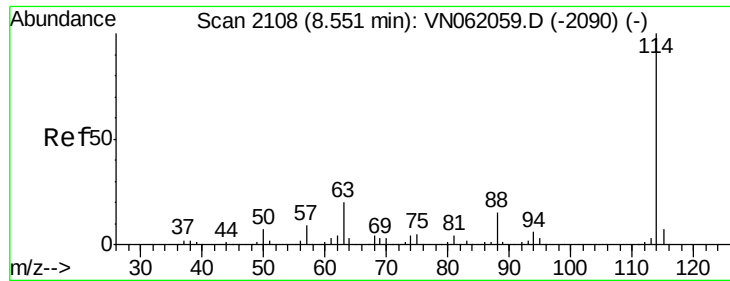


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

IBLK

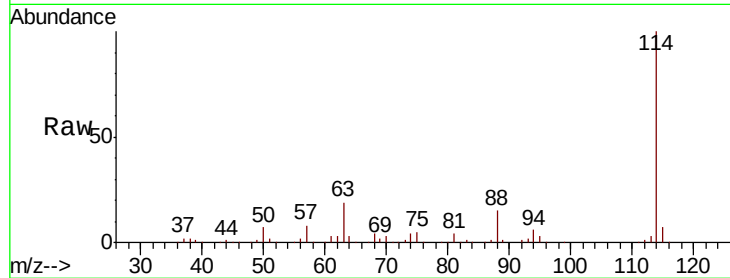
Tot Ion:114 Resp: 414116

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

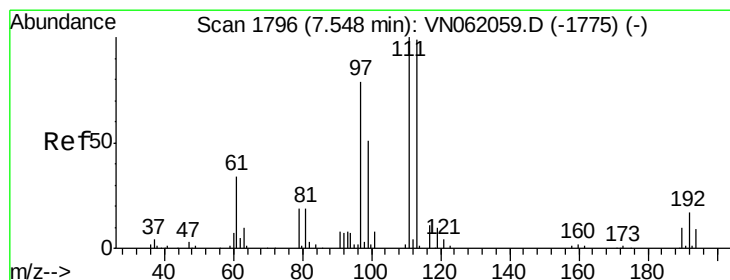
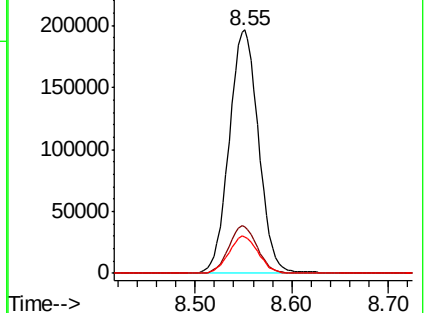
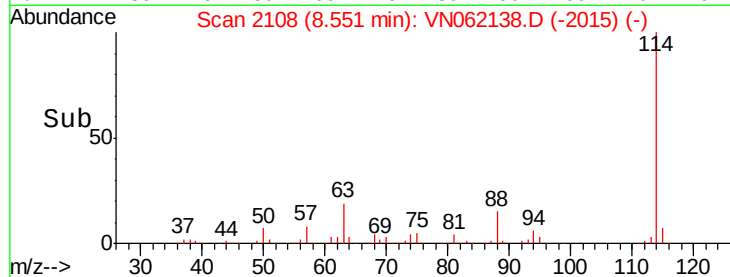
88 15.1 0.0 30.8



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



#35

Dibromofluoromethane

Concen: 48.697 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

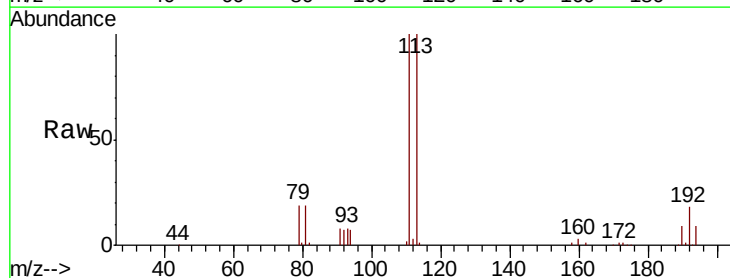
Tgt Ion:113 Resp: 129375

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

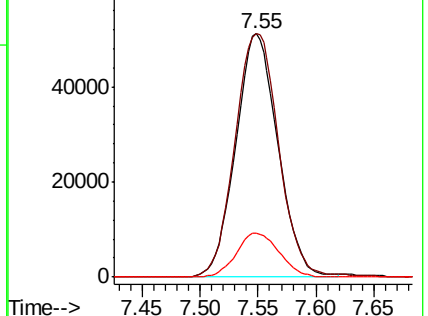
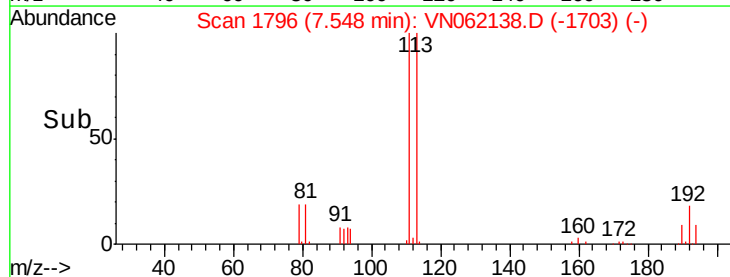
192 18.3 14.0 21.0

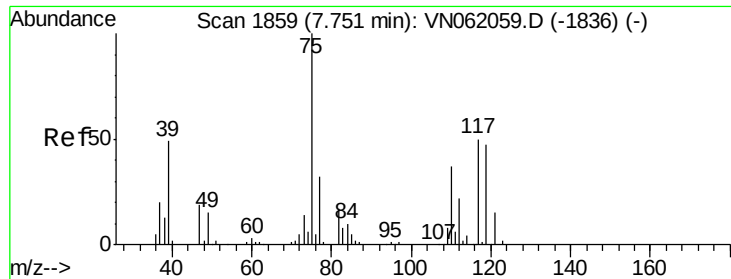


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

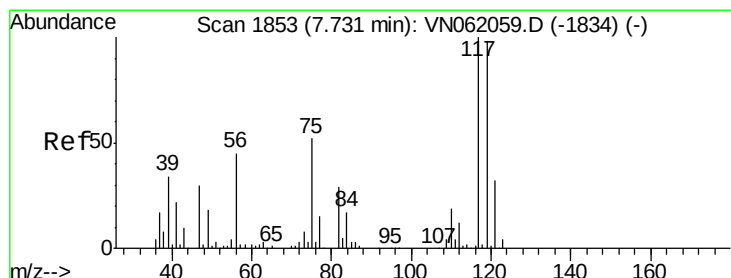
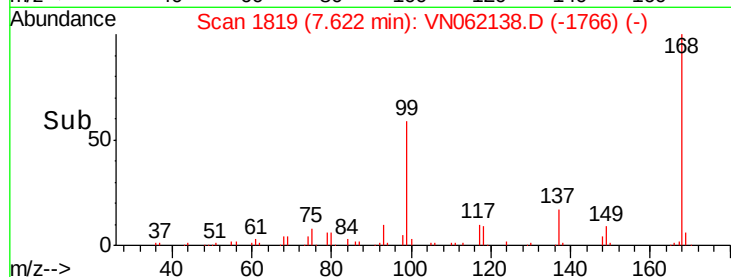
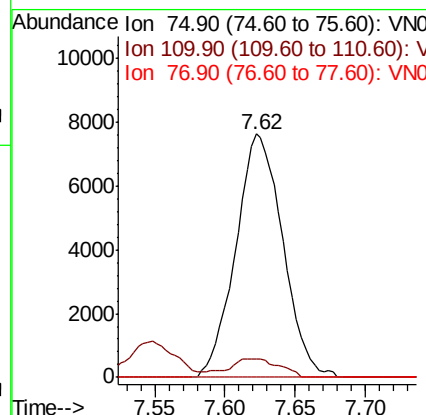
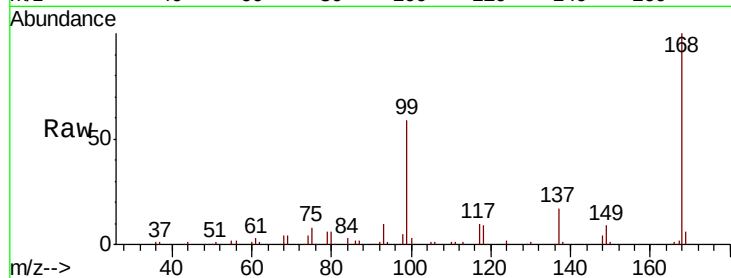




#36
 1,1-Dichloropropene
 Concen: 4.272 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062138.D
 Acq: 26 Jun 2020 14:37

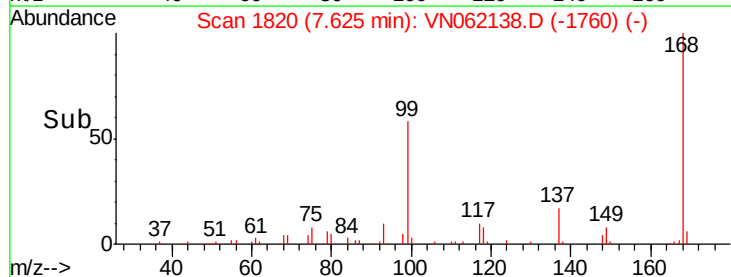
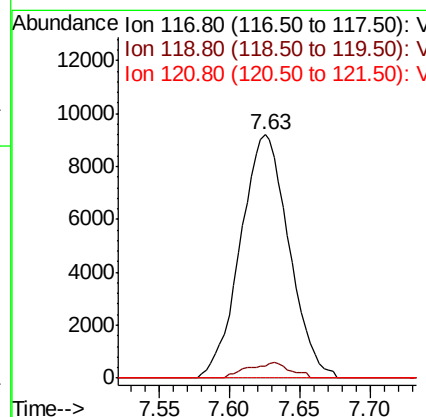
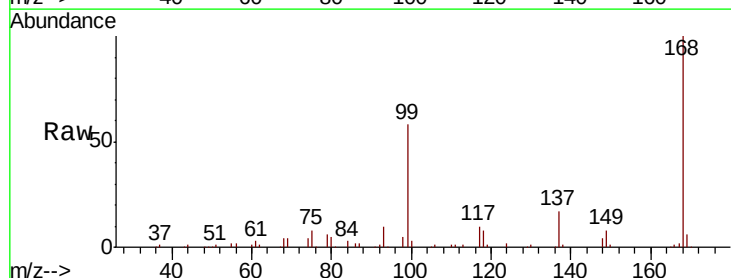
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

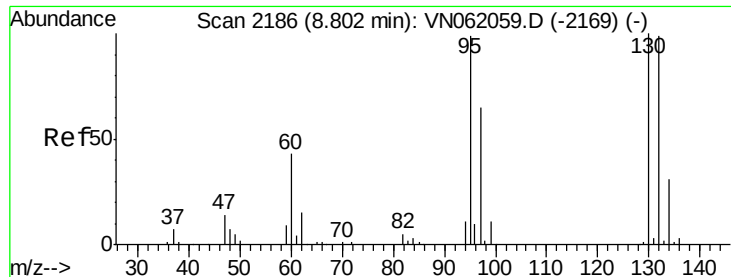
Tot Ion: 75 Resp: 17781
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.9 53.8#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.634 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062138.D
 Acq: 26 Jun 2020 14:37

Tgt Ion: 117 Resp: 22108
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.2 117.2#
 121 0.0 25.8 38.6#





#44

Trichloroethene

Concen: 3.402 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

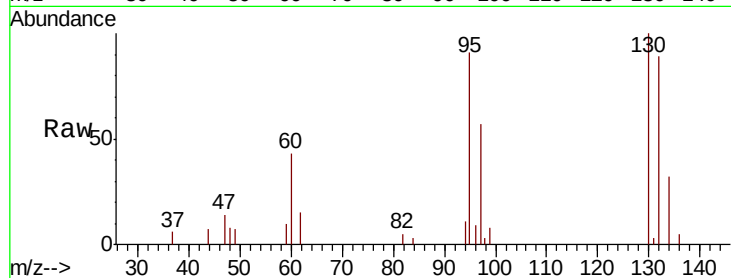
IBLK

Tot Ion:130 Resp: 10888

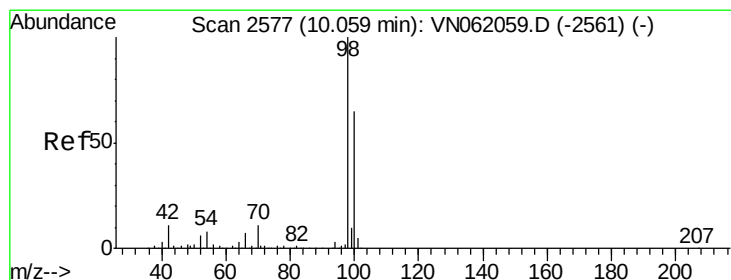
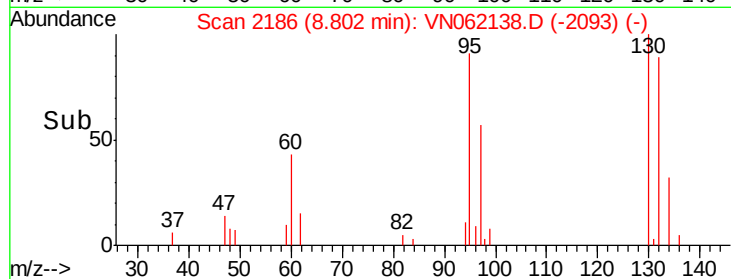
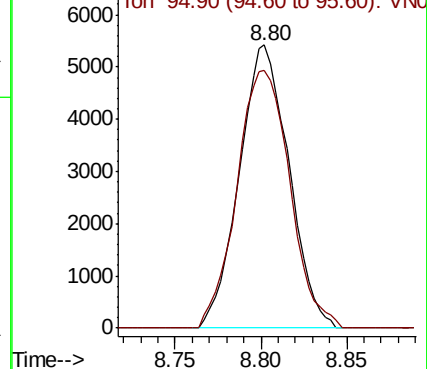
Ion Ratio Lower Upper

130 100

95 91.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN062138.D (-2093) (-)



#50

Toluene-d8

Concen: 48.298 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062138.D

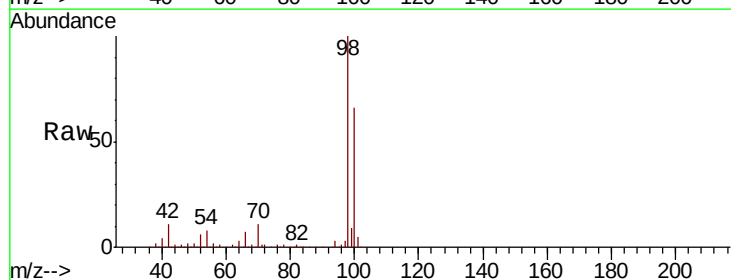
Acq: 26 Jun 2020 14:37

Tgt Ion: 98 Resp: 512926

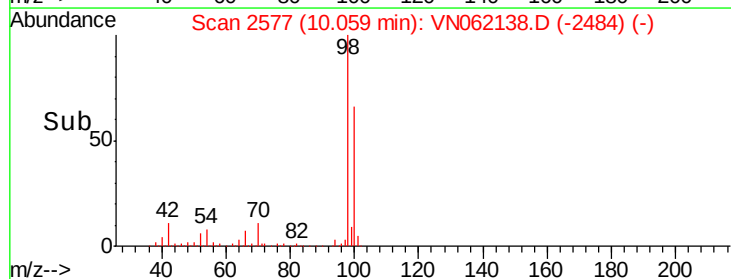
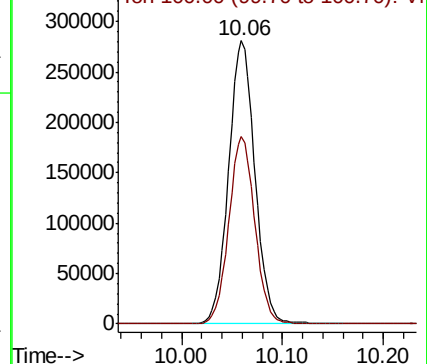
Ion Ratio Lower Upper

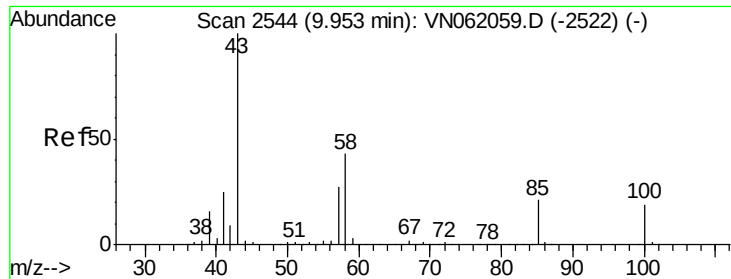
98 100

100 65.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062138.D (-2484) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.618 ug/l

RT: 10.07 min Scan# 2579

Delta R.T. 0.11 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampled :

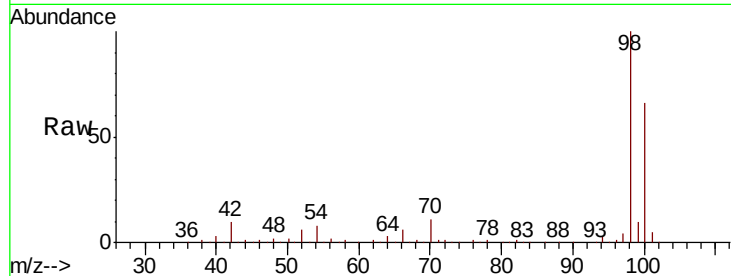
IBLK

Tot Ion: 43 Resp: 2029

Ion Ratio Lower Upper

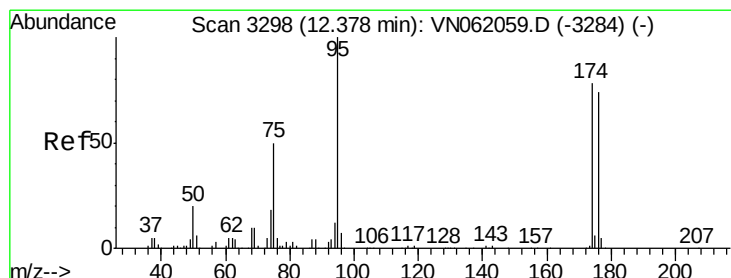
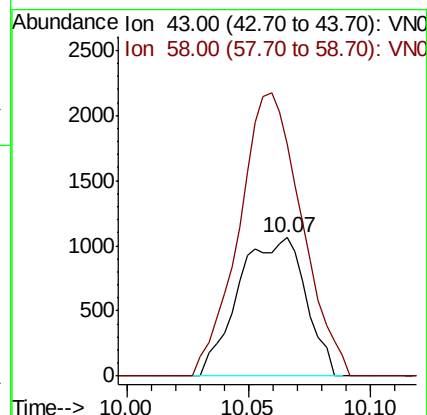
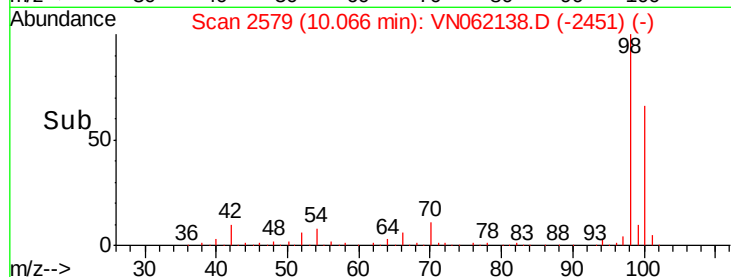
43 100

58 190.7 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062138.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN062138.D (-2451) (-)



#62

4-Bromofluorobenzene

Concen: 46.916 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

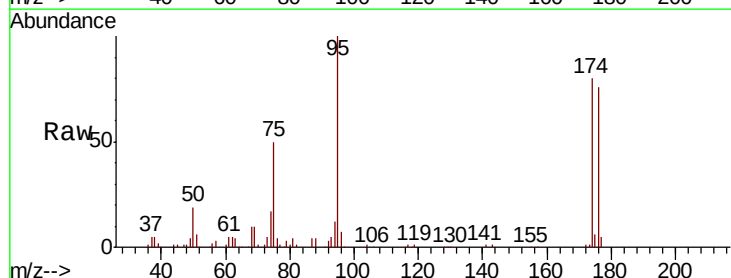
Tgt Ion: 95 Resp: 168337

Ion Ratio Lower Upper

95 100

174 79.8 0.0 154.8

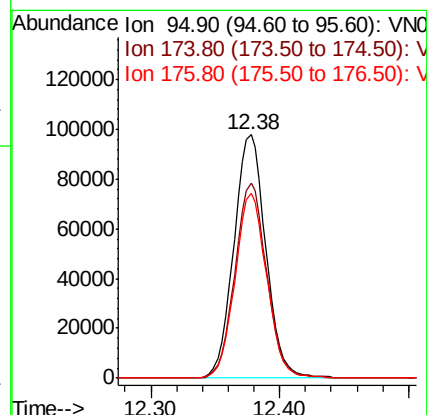
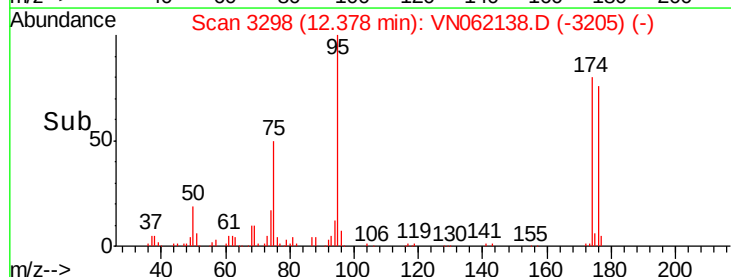
176 75.5 0.0 147.4

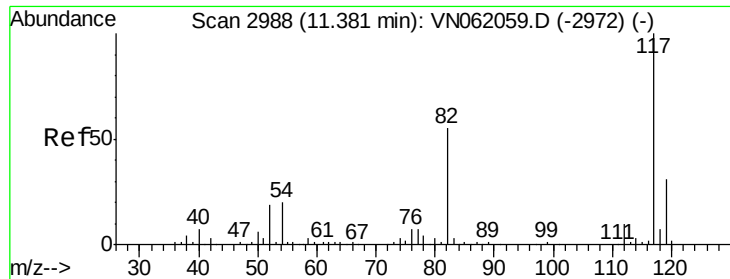


Abundance Ion 94.90 (94.60 to 95.60): VN062138.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062138.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062138.D (-3205) (-)

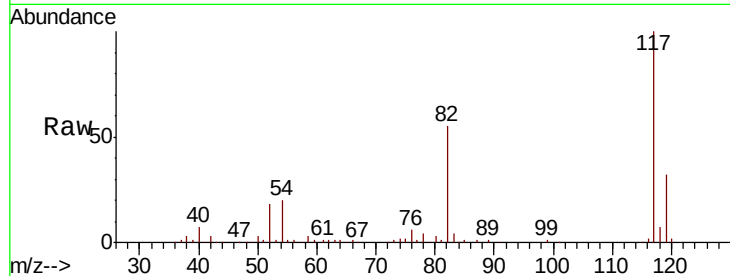




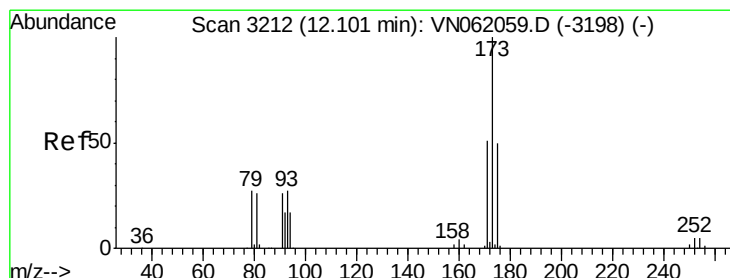
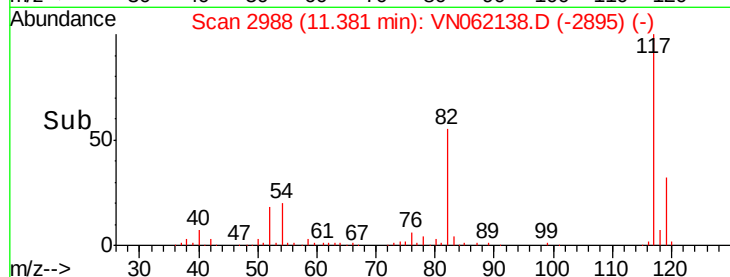
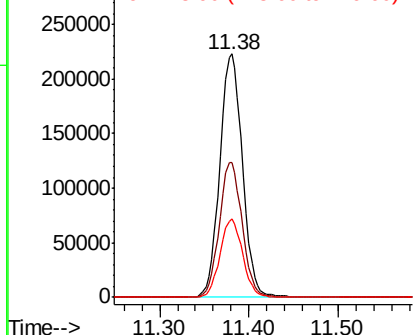
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062138.D
Acq: 26 Jun 2020 14:37

Instrument :
MSVOA_N
ClientSampled :
IBLK

Tot Ion:117 Resp: 392266
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 32.1 25.2 37.8

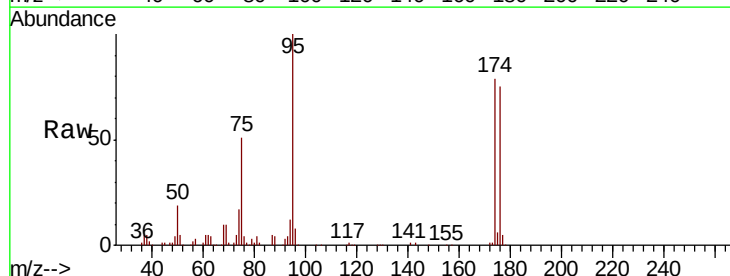


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

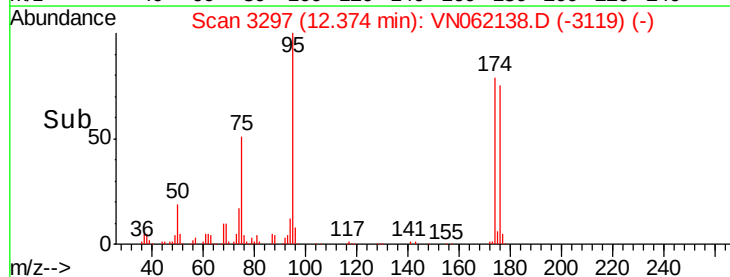
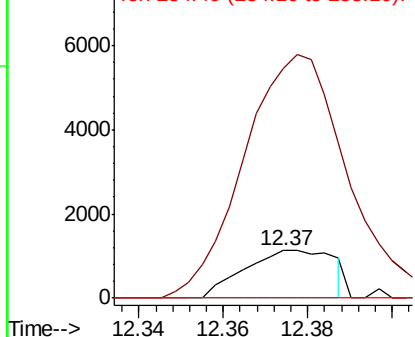


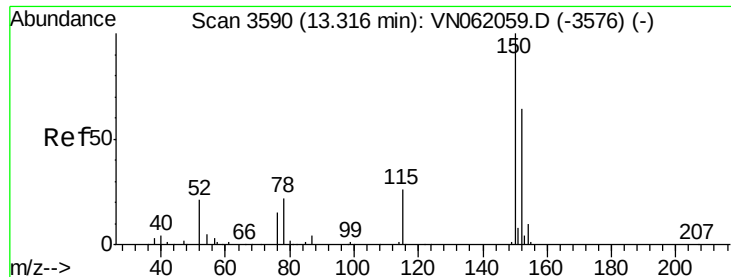
#71
Bromoform
Concen: 0.787 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062138.D
Acq: 26 Jun 2020 14:37

Tgt Ion:173 Resp: 1666
Ion Ratio Lower Upper
173 100
175 498.4 24.7 74.1#
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: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

IBLK

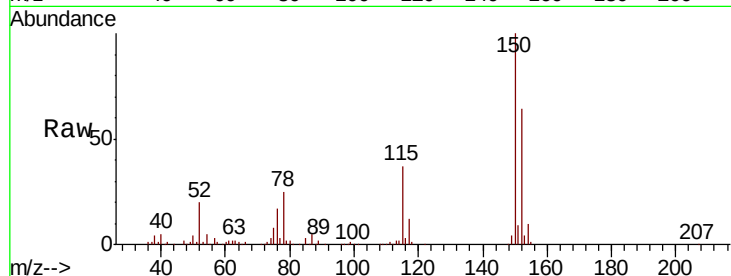
Tot Ion:152 Resp: 150244

Ion Ratio Lower Upper

152 100

115 59.2 29.5 88.5

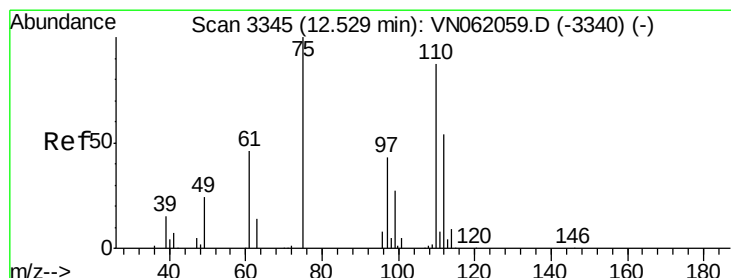
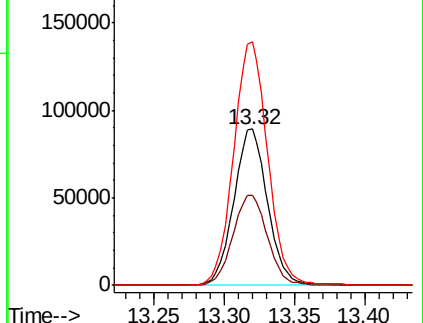
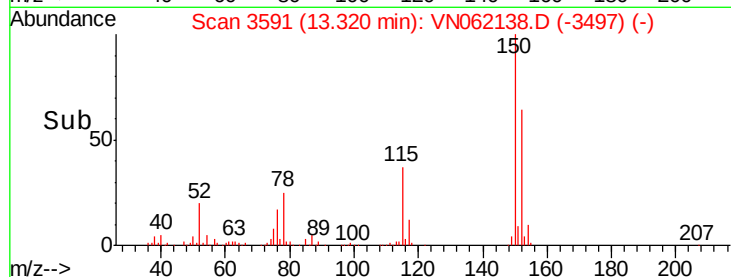
150 157.3 0.0 351.4



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: 24.008 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062138.D

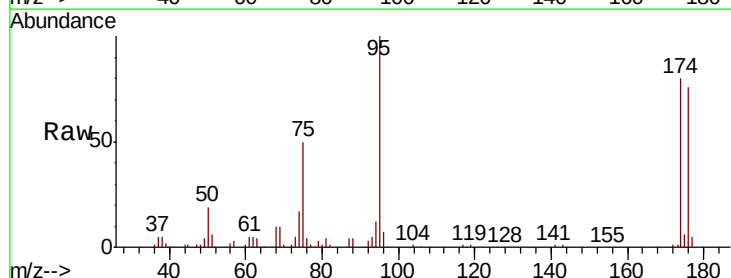
Acq: 26 Jun 2020 14:37

Tgt Ion: 75 Resp: 84912

Ion Ratio Lower Upper

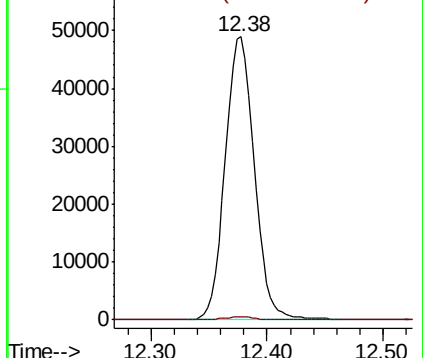
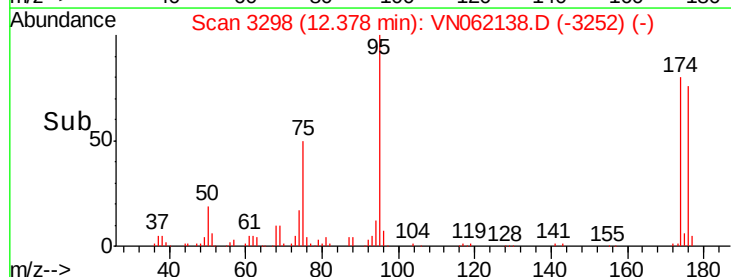
75 100

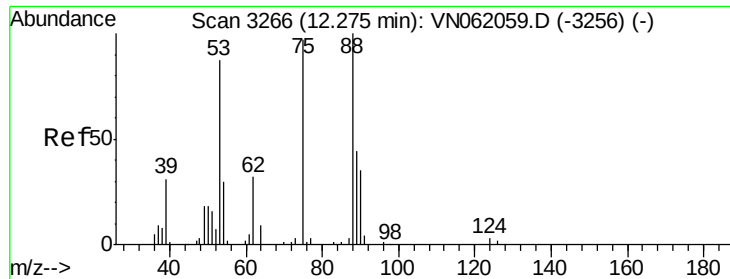
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.111 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

Instrument :

MSVOA_N

ClientSampleId :

IBLK

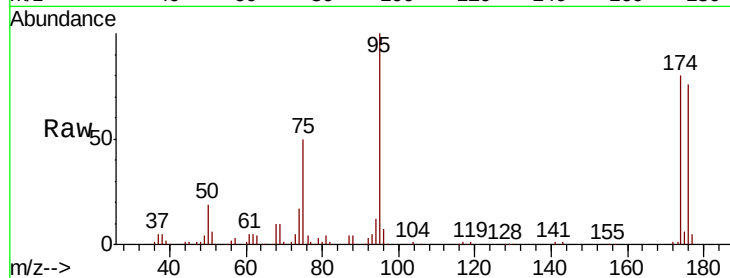
Tot Ion: 75 Resp: 84912

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

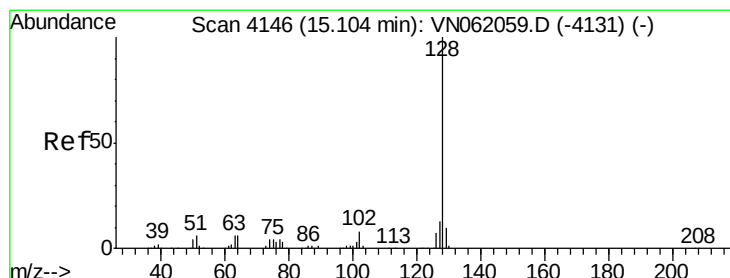
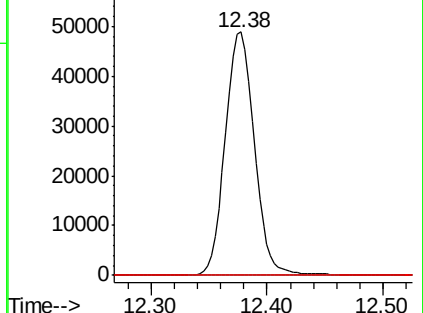
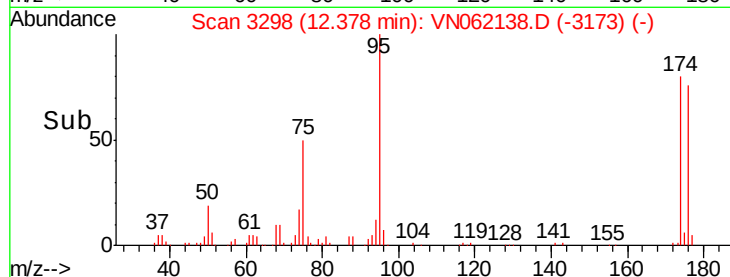
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062138.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062138.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062138.D (-3173) (-)



#95

Naphthalene

Concen: 3.999 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062138.D

Acq: 26 Jun 2020 14:37

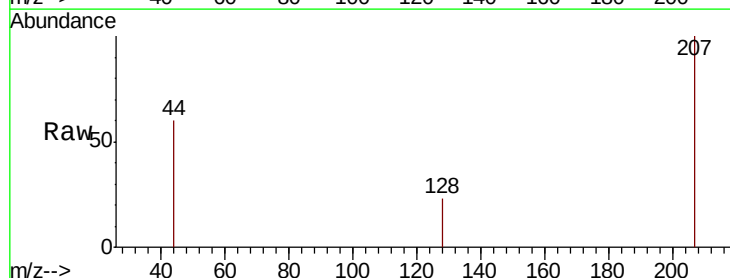
Tgt Ion: 128 Resp: 30

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN062138.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062138.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062138.D (-4053) (-)

