

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062136.D
 Acq On : 26 Jun 2020 13:48
 Operator : JC/MD
 Sample : L3088-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200622

Quant Time: Jun 27 03:41:33 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	231885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148935	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	153048	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
35) Dibromofluoromethane	7.55	113	131651	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	10.06	98	513165	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.38	95	169886	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

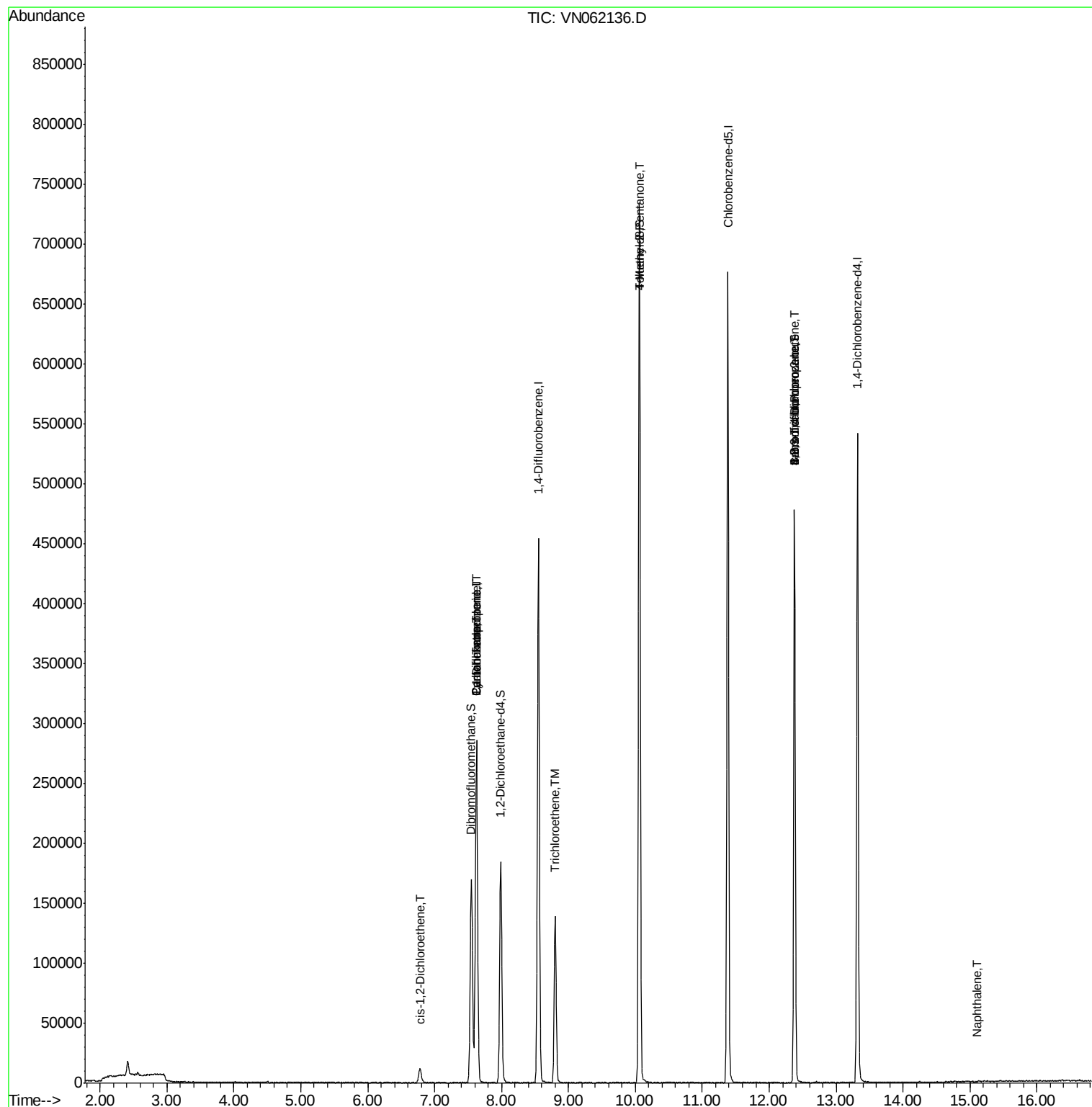
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	369	Below Cal	#	41
16) Acetone	3.77	43	66	Below Cal	#	40
20) Methylene Chloride	4.51	84	245	Below Cal	#	25
27) cis-1,2-Dichloroethene	6.78	96	7967	2.334	ug/l	86
31) Cyclohexane	7.62	56	4890	1.088	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	18478	4.376	ug/l #	49
38) Carbon Tetrachloride	7.62	117	22534	5.660	ug/l #	16
44) Trichloroethene	8.80	130	52801	16.262	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1798	0.540	ug/l #	1
71) Bromoform	12.37	173	816	0.382	ug/l #	28
76) 1,2,3-Trichloropropane	12.38	75	84905	24.217	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	84905	70.722	ug/l #	13
95) Naphthalene	15.11	128	339	4.039	ug/l #	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

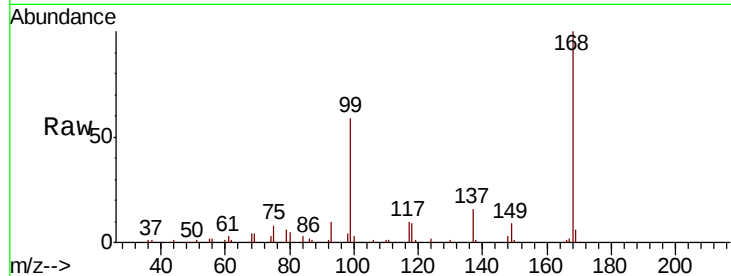
TB01-20200622

Tot Ion:168 Resp: 231885

Ion Ratio Lower Upper

168 100

99 59.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): VN062136.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN062136.D (-1727) (-)

7.63

100000

80000

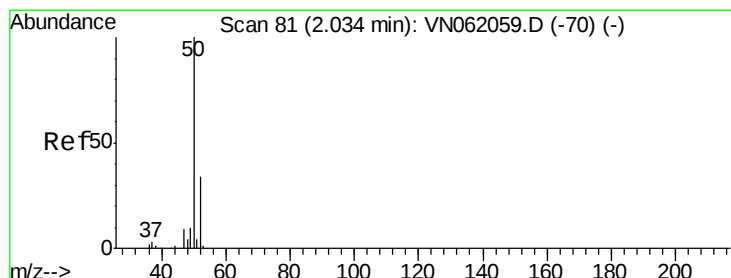
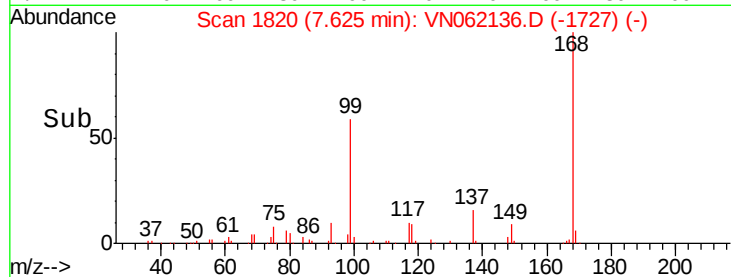
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062136.D

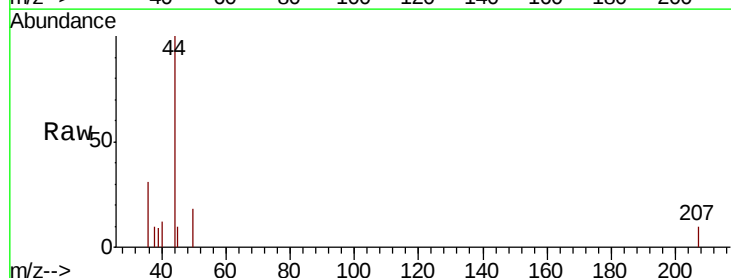
Acq: 26 Jun 2020 13:48

Tgt Ion: 50 Resp: 369

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN062136.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN062136.D (-1) (-)

2.04

400

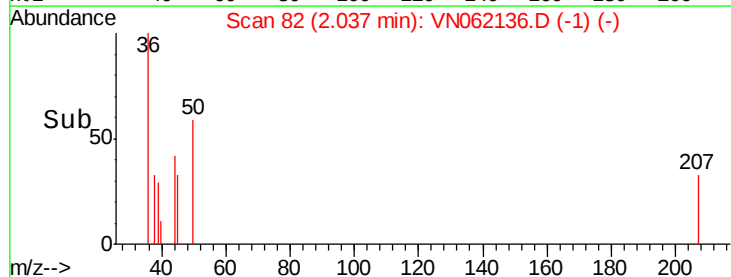
300

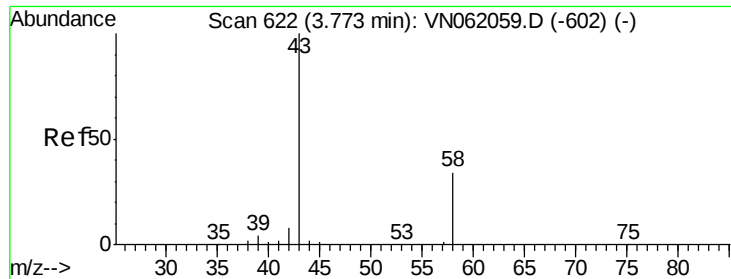
200

100

0

Time--> 2.02 2.04 2.06

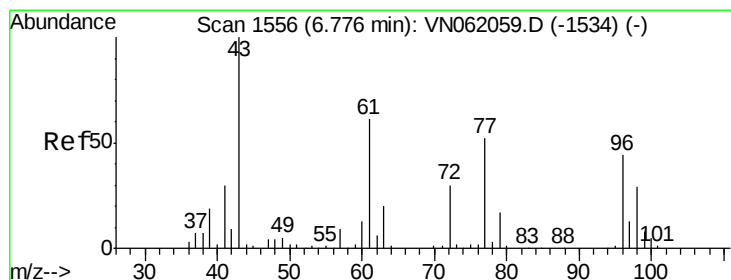
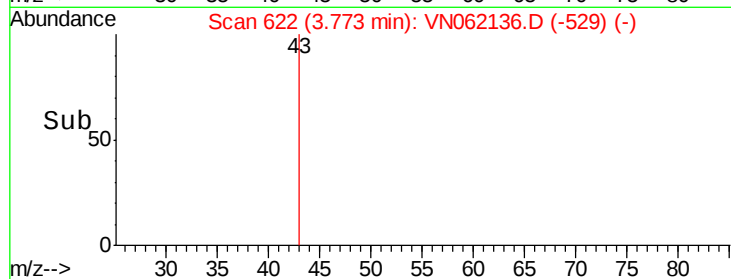
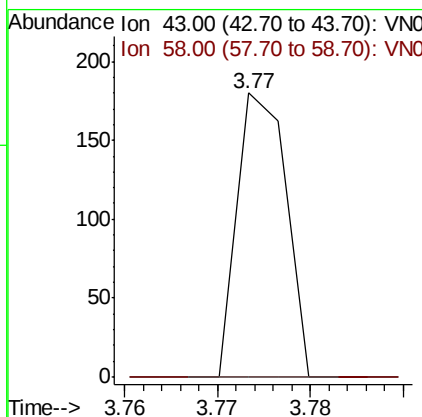
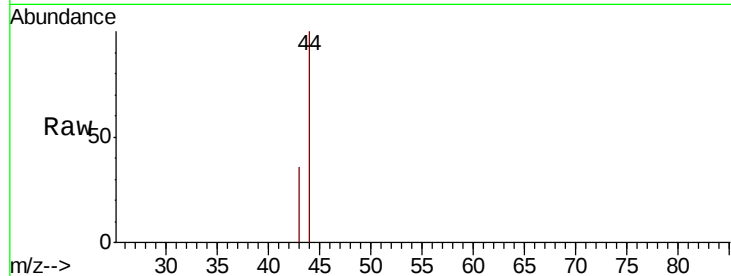




#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 622
Delta R.T. 0.00 min
Lab File: VN062136.D
Acq: 26 Jun 2020 13:48

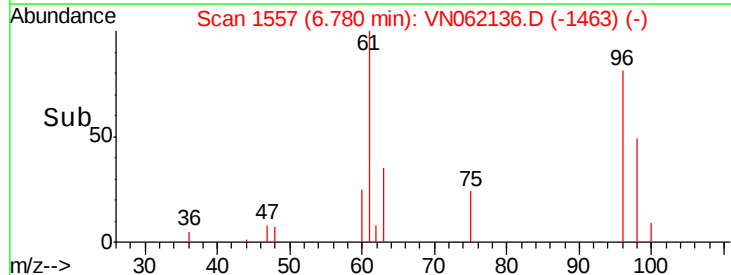
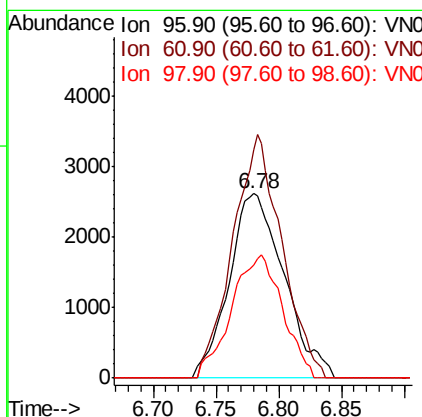
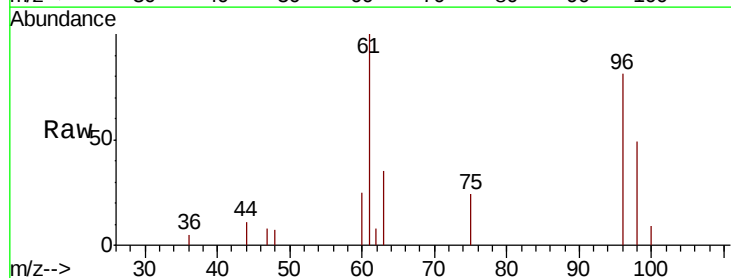
Instrument :
MSVOA_N
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TB01-20200622

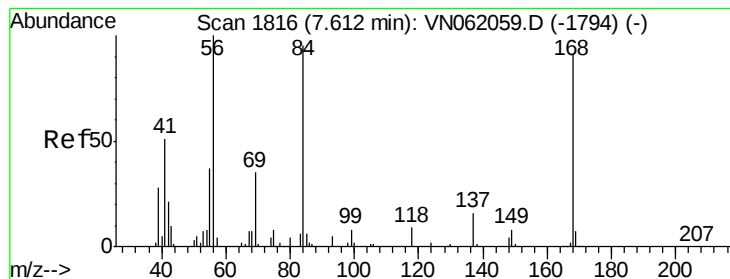
Tot Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#27
cis-1,2-Dichloroethene
Concen: 2.334 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. 0.00 min
Lab File: VN062136.D
Acq: 26 Jun 2020 13:48

Tgt Ion: 96 Resp: 7967
Ion Ratio Lower Upper
96 100
61 117.7 0.0 280.4
98 62.0 0.0 129.4





#31

Cvclohexane

Concen: 1.088 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200622

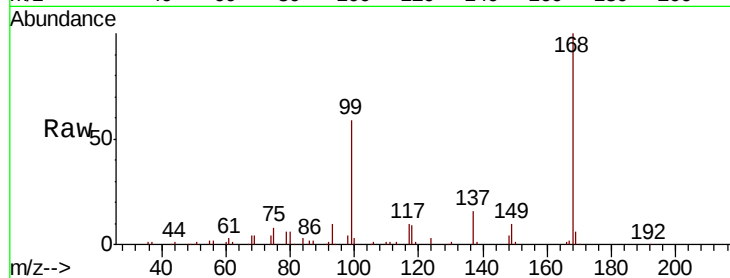
Tot Ion: 56 Resp: 4890

Ion Ratio Lower Upper

56 100

69 160.7 28.0 42.0#

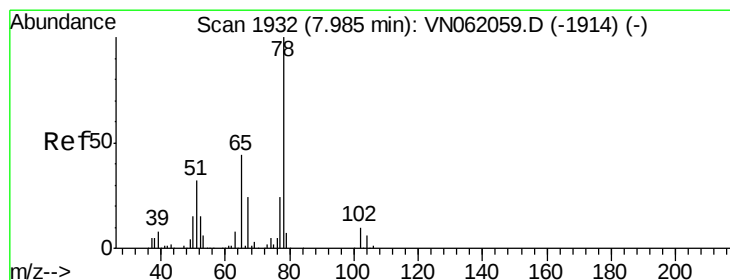
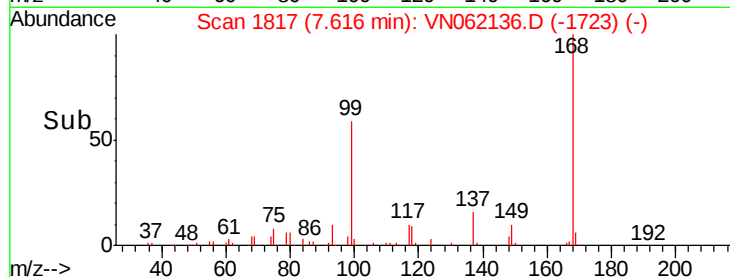
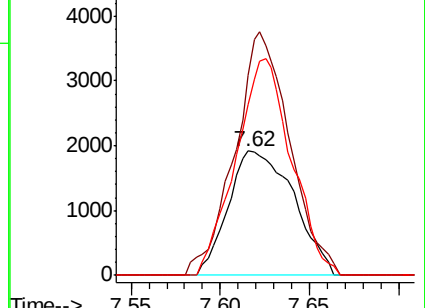
84 137.5 76.1 114.1#



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: 47.032 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062136.D

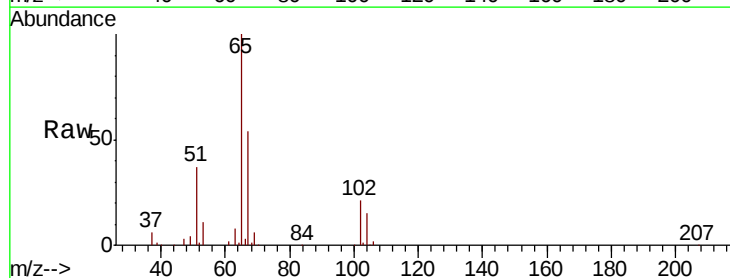
Acq: 26 Jun 2020 13:48

Tgt Ion: 65 Resp: 153048

Ion Ratio Lower Upper

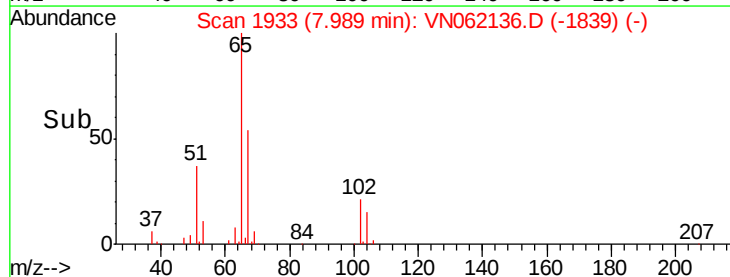
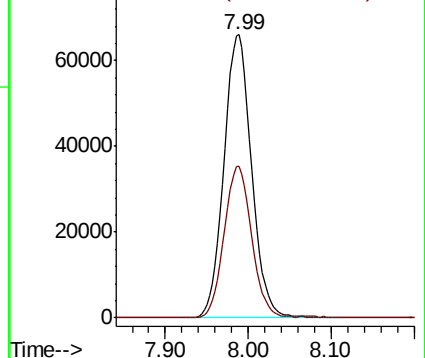
65 100

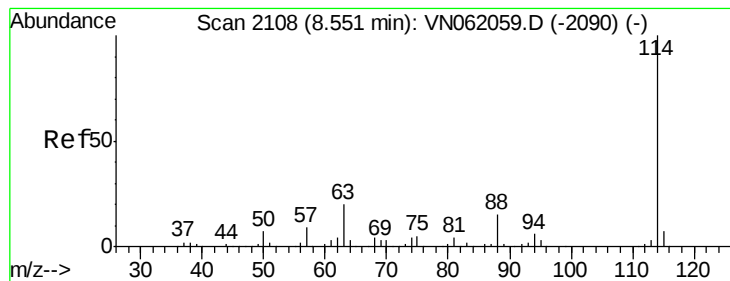
67 53.1 0.0 106.2



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: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

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TB01-20200622

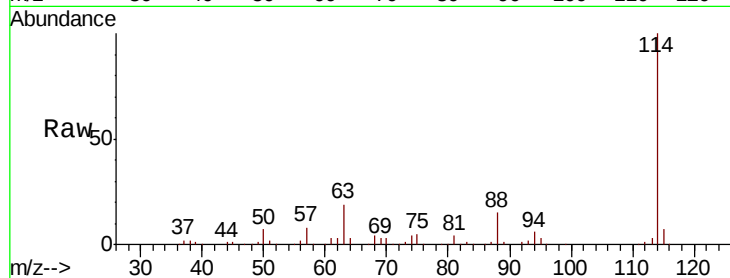
Tot Ion:114 Resp: 420134

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

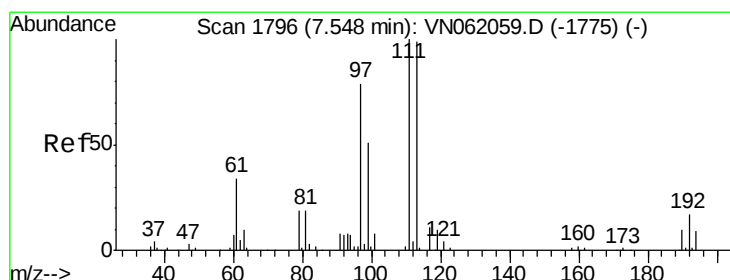
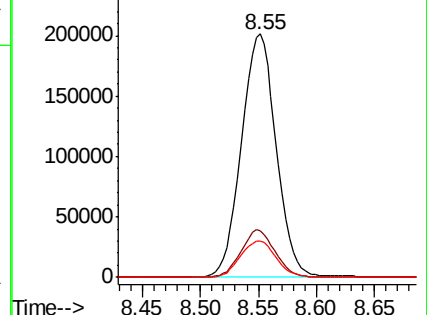
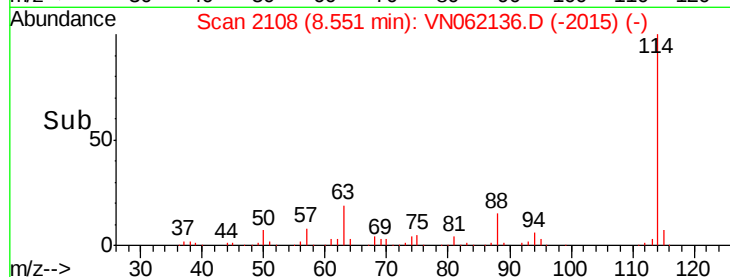
88 15.0 0.0 30.8



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: 48.844 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

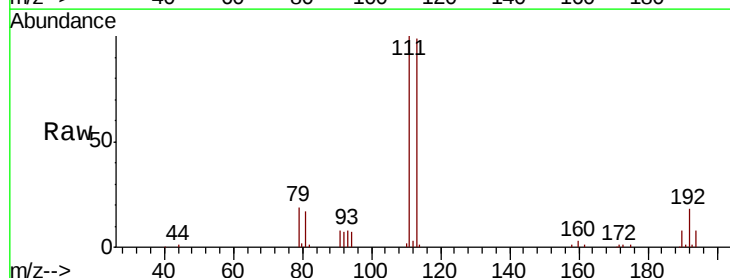
Tgt Ion:113 Resp: 131651

Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

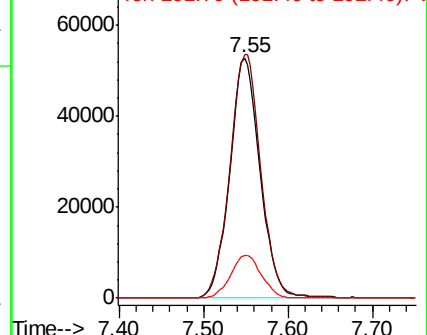
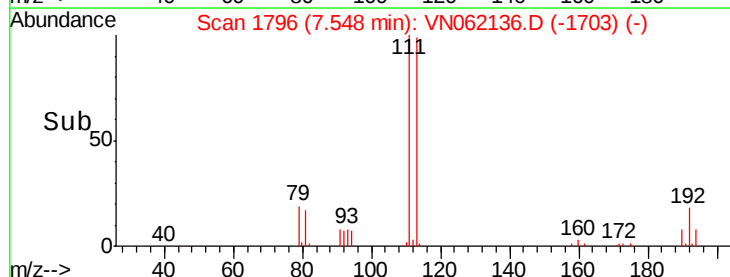
192 18.2 14.0 21.0

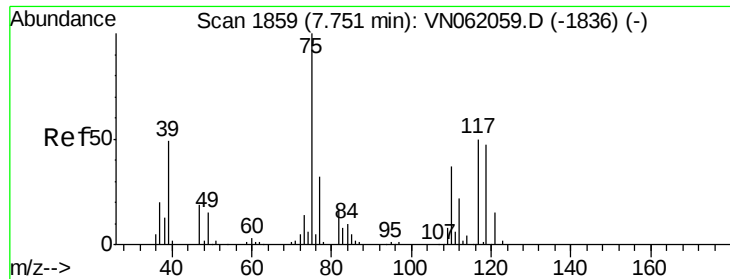


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.376 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200622

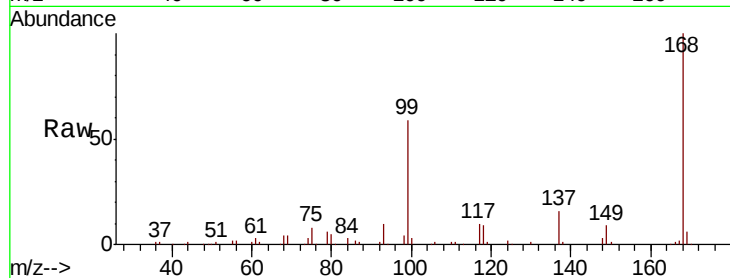
Tot Ion: 75 Resp: 18478

Ion Ratio Lower Upper

75 100

110 8.6 17.9 53.8#

77 0.0 24.9 37.3#



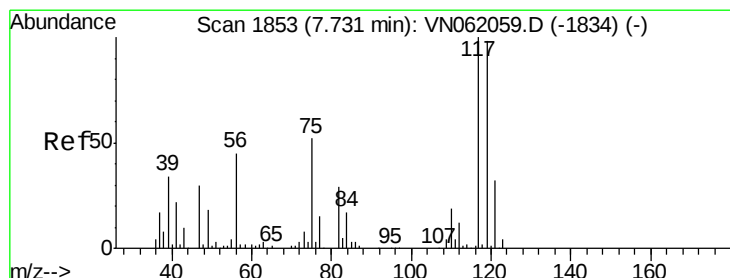
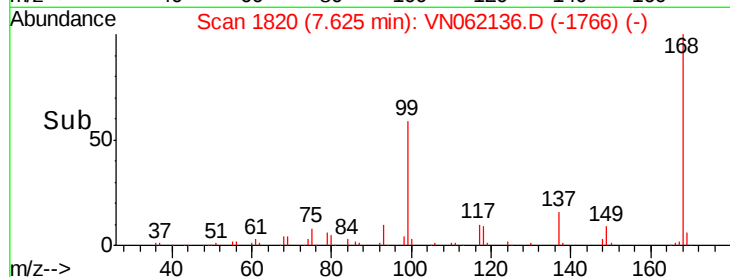
Abundance Ion 74.90 (74.60 to 75.60): VN062136.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN062136.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN062136.D (-1766) (-)

7.63

Time-->



#38

Carbon Tetrachloride

Concen: 5.660 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

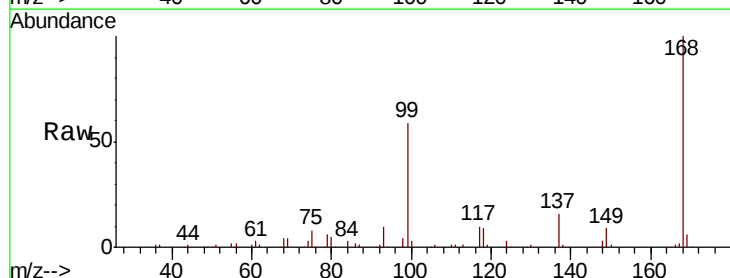
Tgt Ion: 117 Resp: 22534

Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.2#

121 0.0 25.8 38.6#



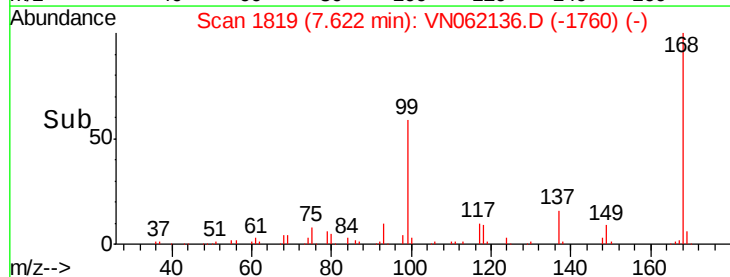
Abundance Ion 116.80 (116.50 to 117.50): VN062136.D (-1760) (-)

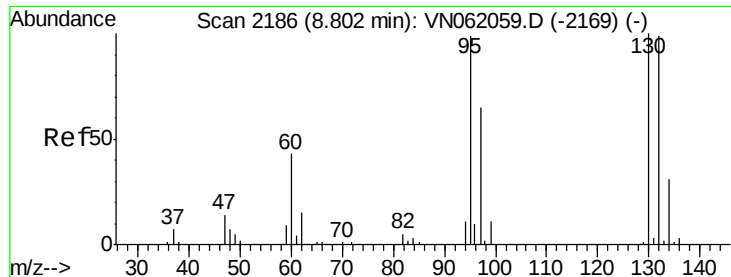
Ion 118.80 (118.50 to 119.50): VN062136.D (-1760) (-)

Ion 120.80 (120.50 to 121.50): VN062136.D (-1760) (-)

7.62

Time-->

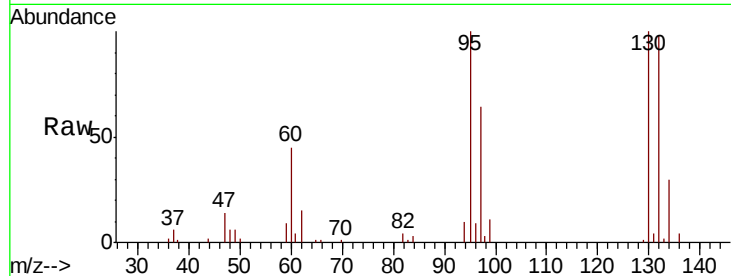




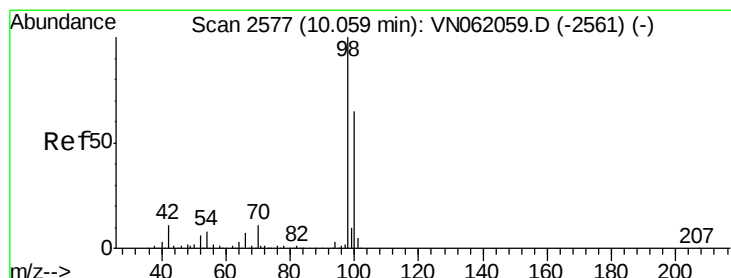
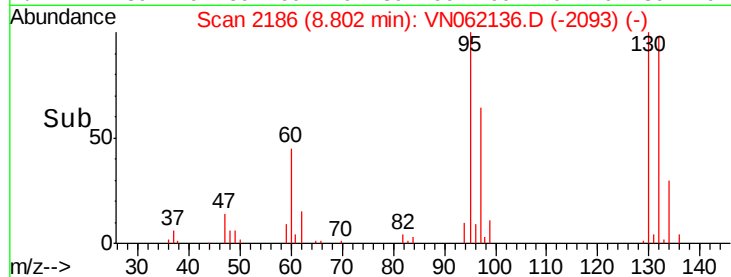
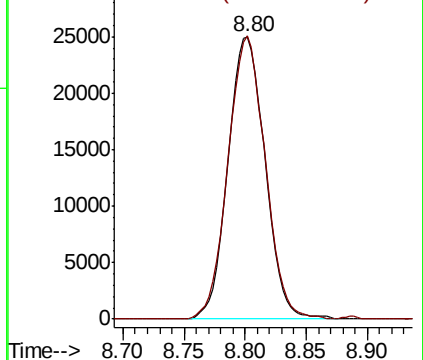
#44
 Trichloroethene
 Concen: 16.262 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VN062136.D
 Acq: 26 Jun 2020 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200622

Tot Ion:130 Resp: 52801
 Ion Ratio Lower Upper
 130 100
 95 100.3 0.0 197.8

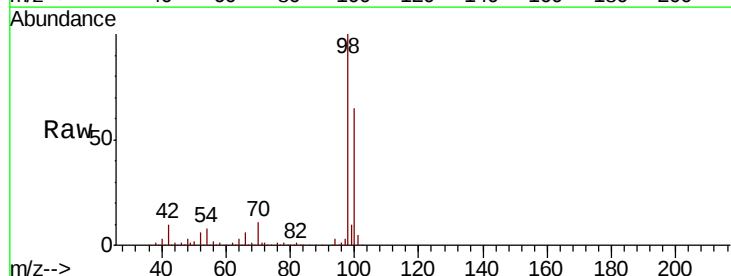


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

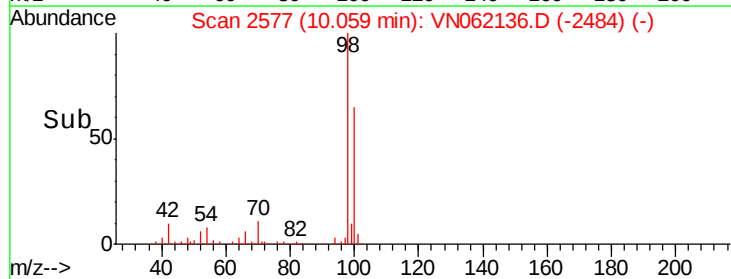
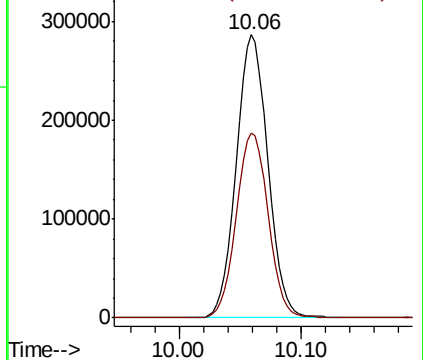


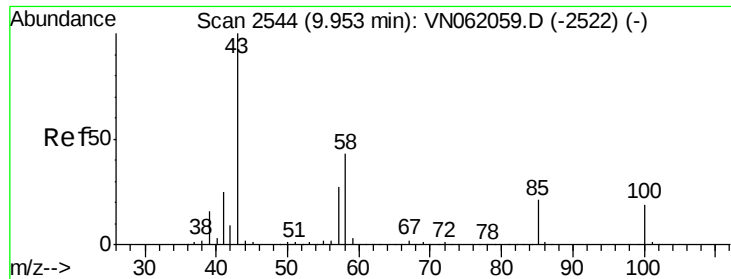
#50
 Toluene-d8
 Concen: 47.629 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN062136.D
 Acq: 26 Jun 2020 13:48

Tgt Ion: 98 Resp: 513165
 Ion Ratio Lower Upper
 98 100
 100 66.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.540 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

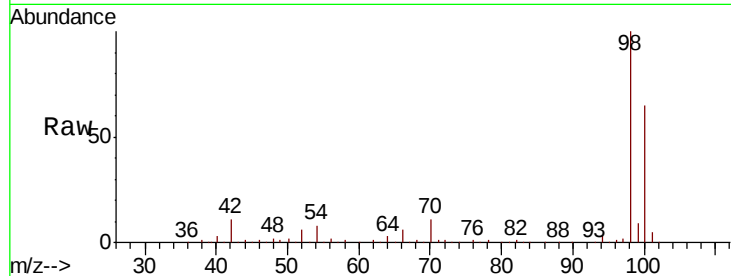
TB01-20200622

Tot Ion: 43 Resp: 1798

Ion Ratio Lower Upper

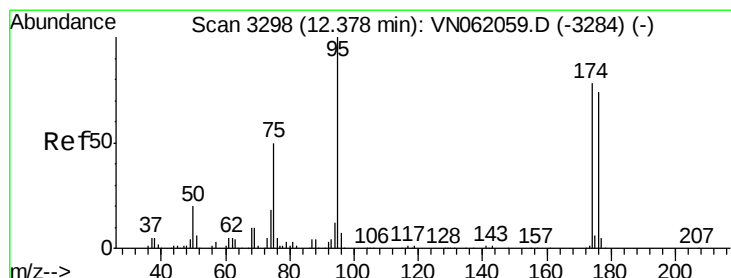
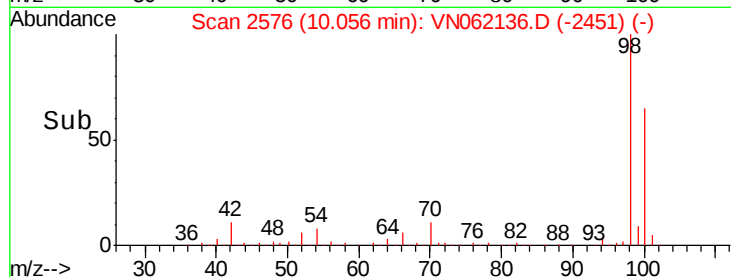
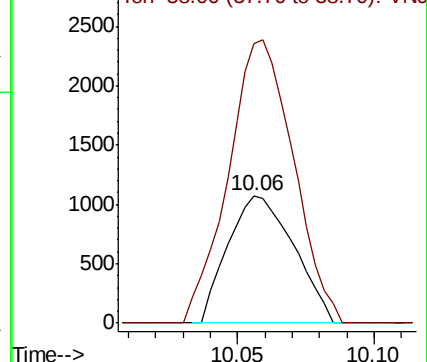
43 100

58 219.3 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.670 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

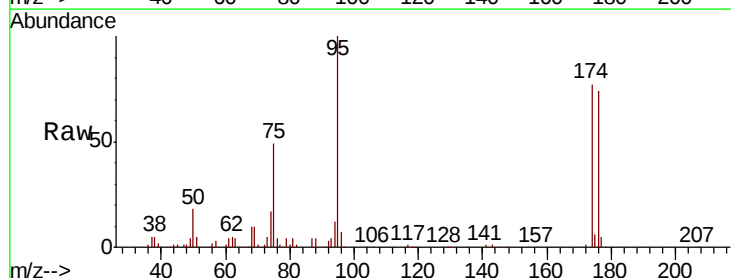
Tgt Ion: 95 Resp: 169886

Ion Ratio Lower Upper

95 100

174 78.6 0.0 154.8

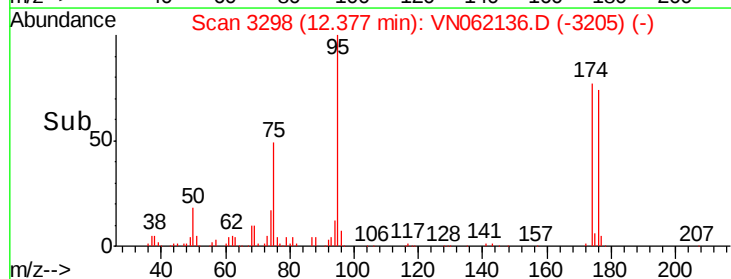
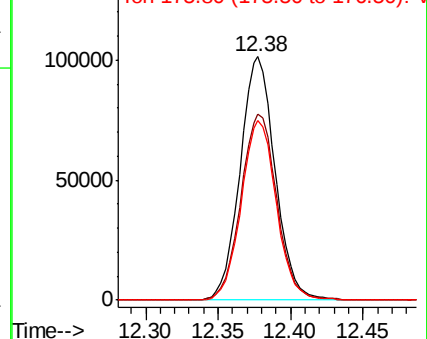
176 74.2 0.0 147.4

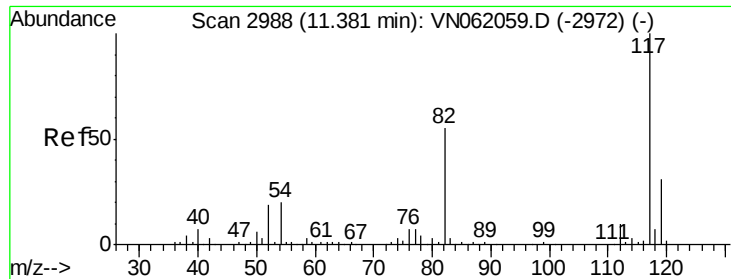


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

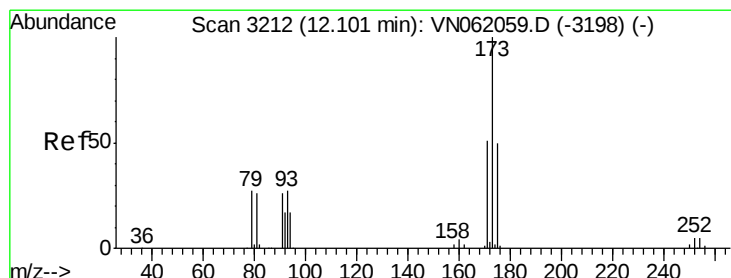
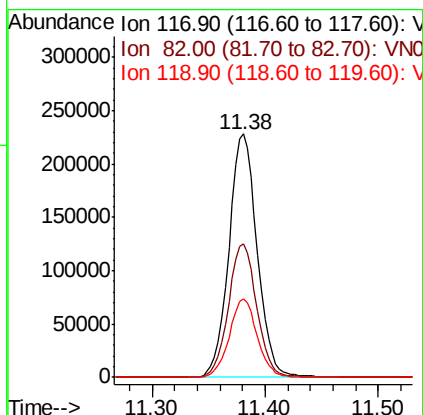
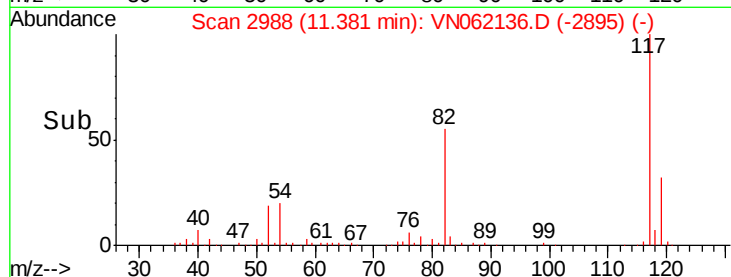
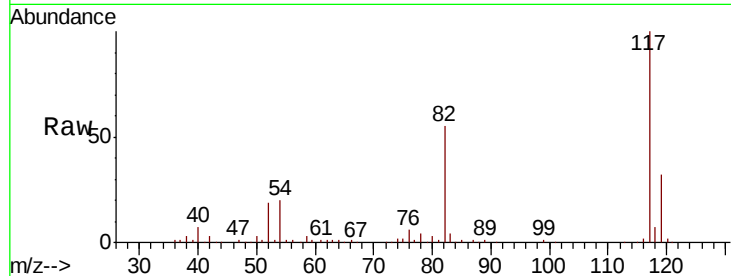




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062136.D
Acq: 26 Jun 2020 13:48

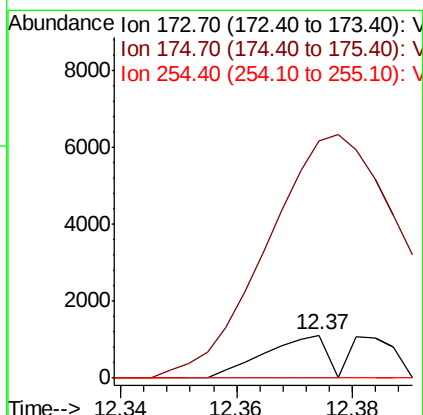
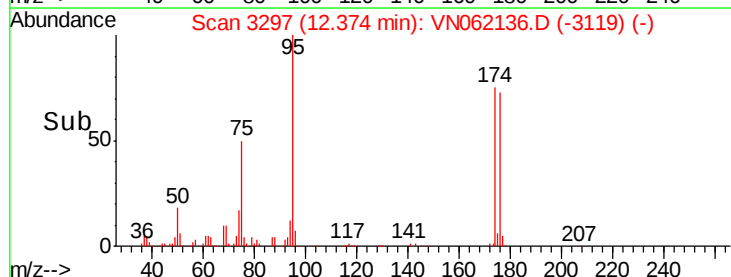
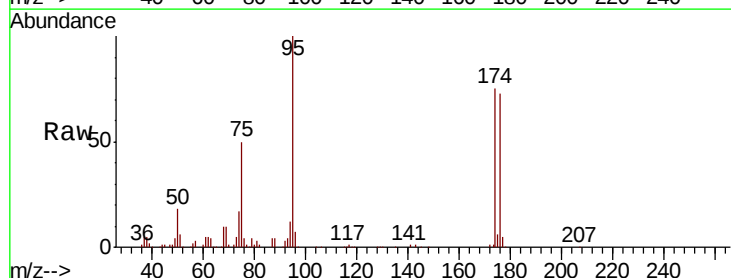
Instrument :
MSVOA_N
ClientSampleId :
TB01-20200622

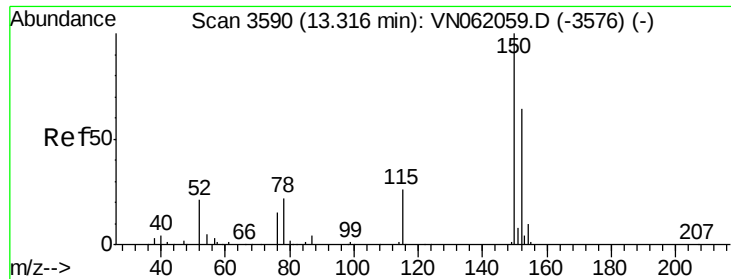
Tot Ion:117 Resp: 396037
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 32.4 25.2 37.8



#71
Bromoform
Concen: 0.382 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062136.D
Acq: 26 Jun 2020 13:48

Tgt Ion:173 Resp: 816
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200622

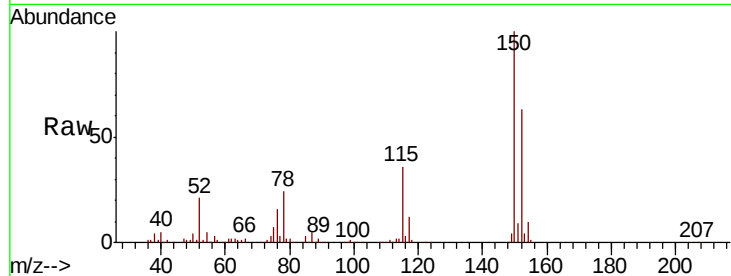
Tot Ion:152 Resp: 148935

Ion Ratio Lower Upper

152 100

115 57.7 29.5 88.5

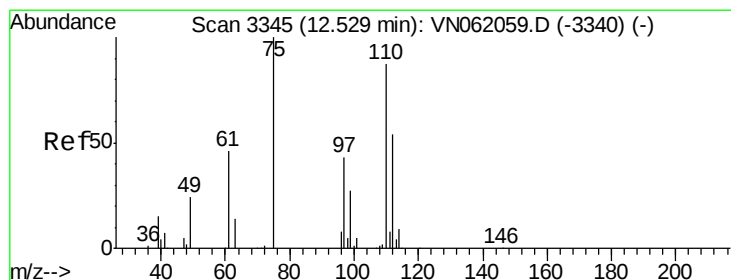
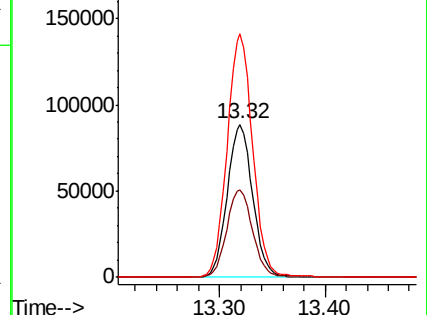
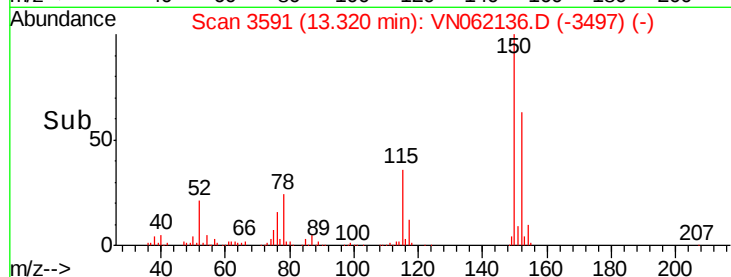
150 158.4 0.0 351.4



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: 24.217 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062136.D

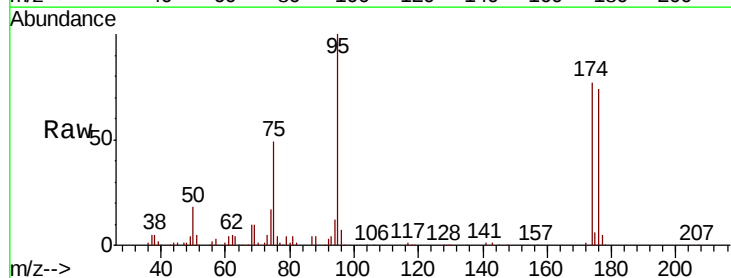
Acq: 26 Jun 2020 13:48

Tgt Ion: 75 Resp: 84905

Ion Ratio Lower Upper

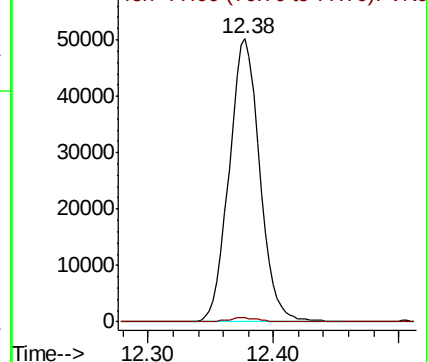
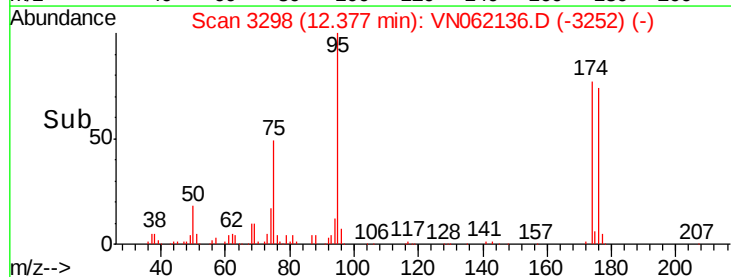
75 100

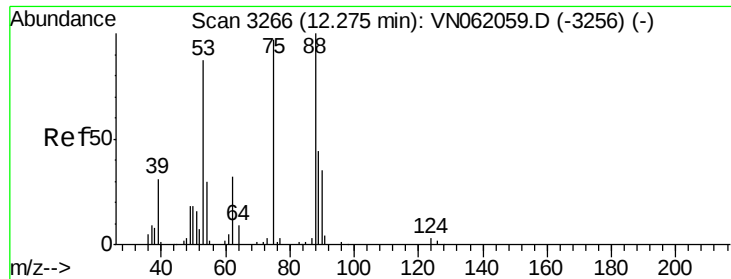
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 70.722 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200622

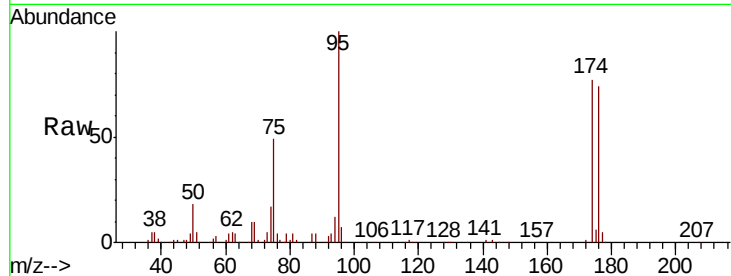
Tot Ion: 75 Resp: 84905

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

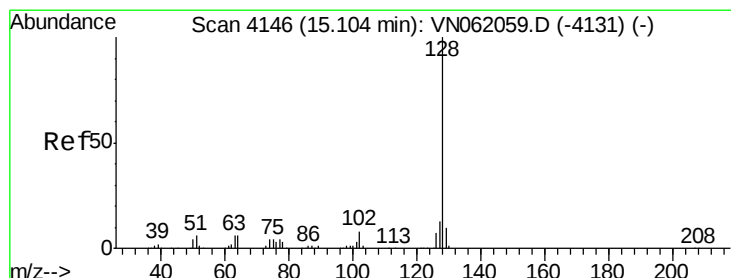
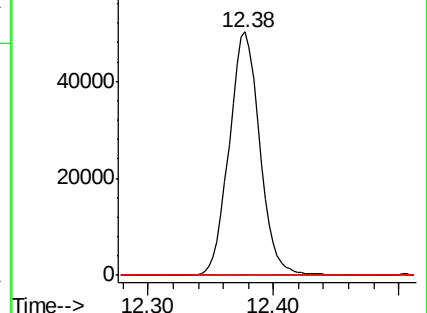
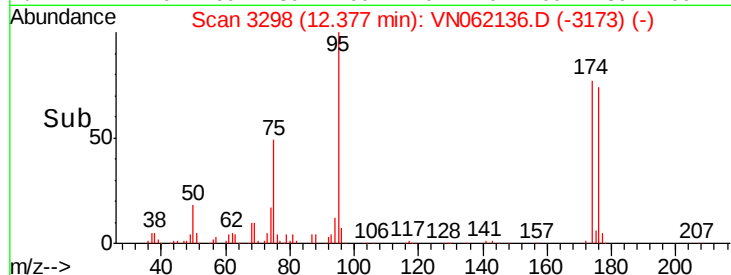
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062136.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062136.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062136.D (-3173) (-)



#95

Naphthalene

Concen: 4.039 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062136.D

Acq: 26 Jun 2020 13:48

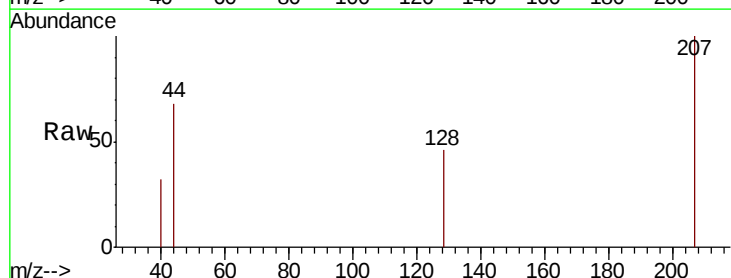
Tgt Ion: 128 Resp: 339

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): VN062136.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062136.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062136.D (-4053) (-)

