

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062620\
 Data File : VN062148.D
 Acq On : 26 Jun 2020 18:38
 Operator : JC/MD
 Sample : L3127-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB04-20200625

Quant Time: Jun 27 03:44:47 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	202517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	381788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	366628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136602	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	147106	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	7.55	113	122179	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.06	98	483346	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.38	95	156071	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

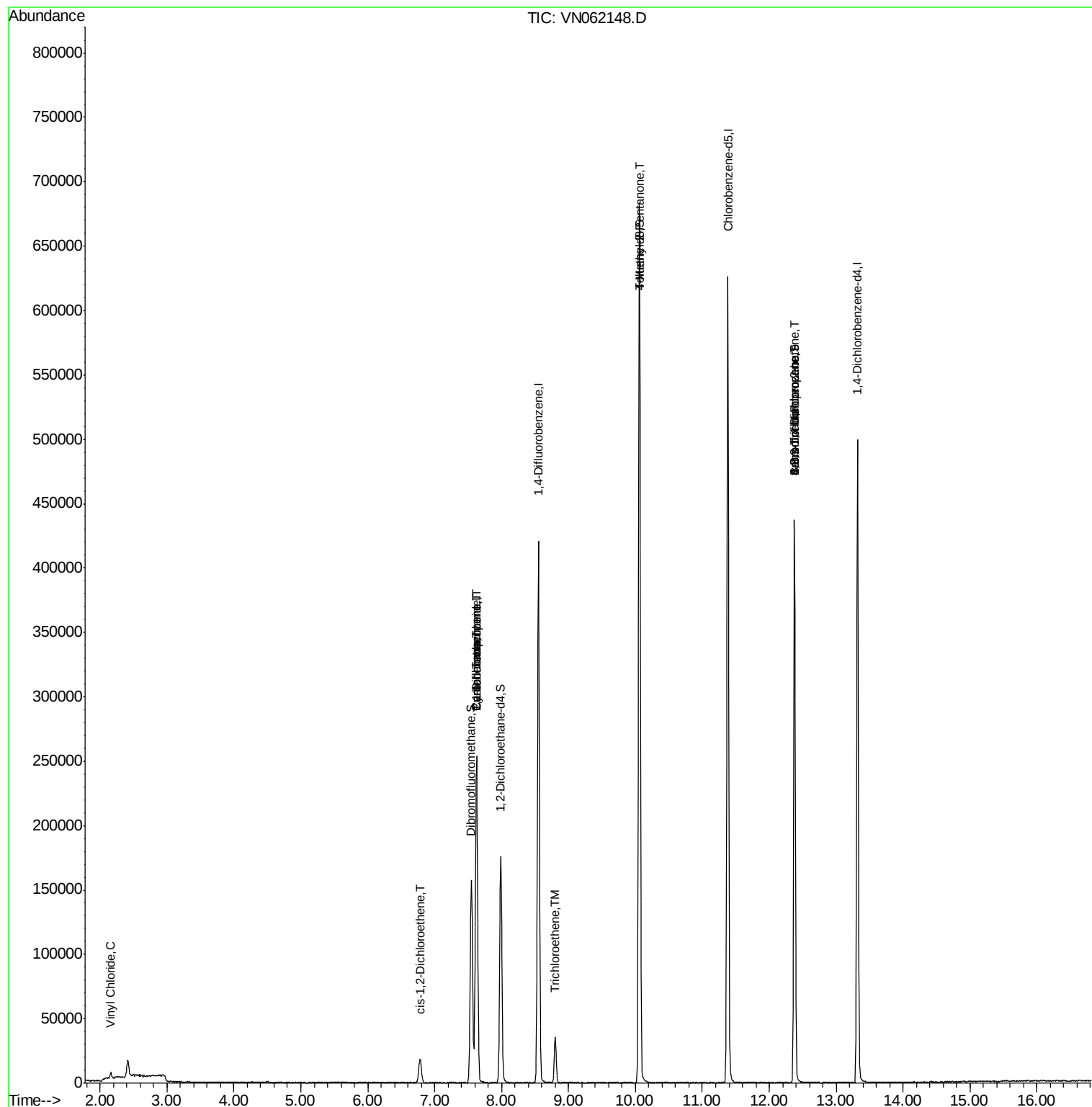
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	389	Below Cal	#	41
4) Vinyl Chloride	2.16	62	3243	0.900	ug/l #	81
16) Acetone	3.77	43	129	Below Cal	#	40
20) Methylene Chloride	4.49	84	60	Below Cal	#	58
27) cis-1,2-Dichloroethene	6.78	96	12704	4.262	ug/l	89
31) Cyclohexane	7.63	56	4611	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	16707	4.354	ug/l #	49
38) Carbon Tetrachloride	7.63	117	21031	5.813	ug/l #	16
44) Trichloroethene	8.80	130	13758	4.663	ug/l	92
51) 4-Methyl-2-Pentanone	10.06	43	2138	0.706	ug/l #	1
71) Bromoform	12.38	173	1402	0.708	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	78627	24.451	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	78627	71.406	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

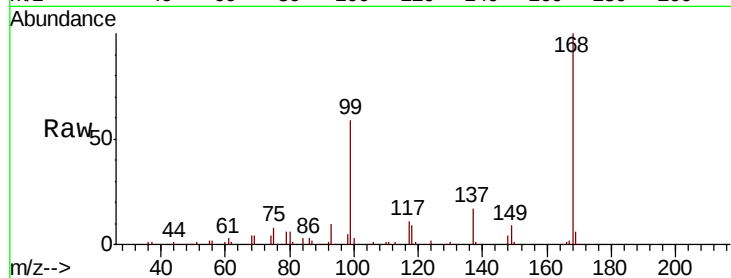
TB04-20200625

Tot Ion:168 Resp: 202517

Ion Ratio Lower Upper

168 100

99 58.9 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

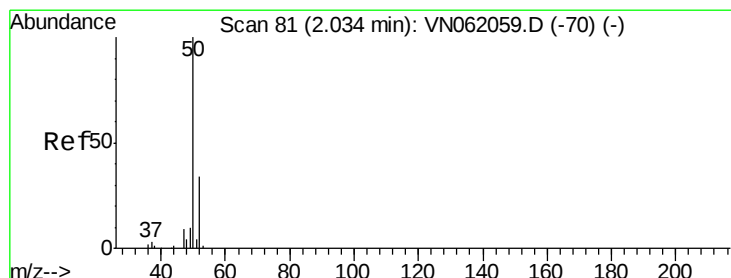
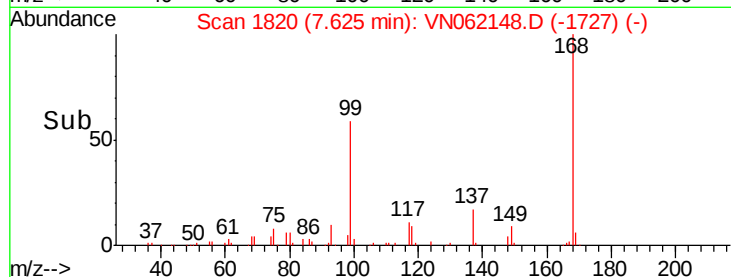
60000

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: VN062148.D

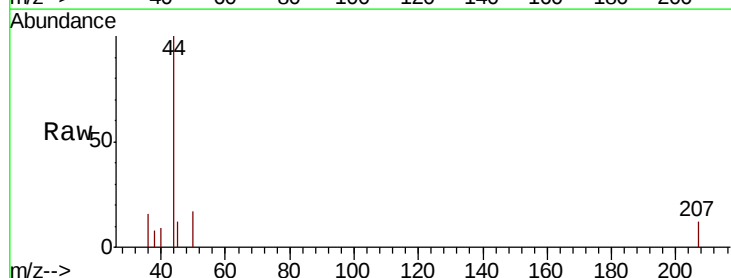
Acq: 26 Jun 2020 18:38

Tgt Ion: 50 Resp: 389

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

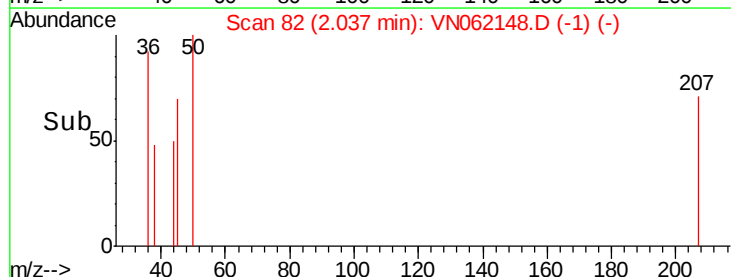
300

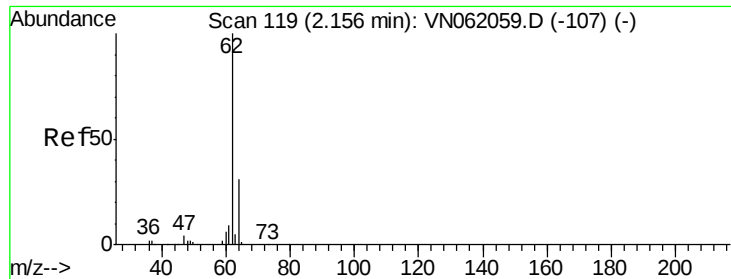
200

100

0

Time--> 2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 0.900 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

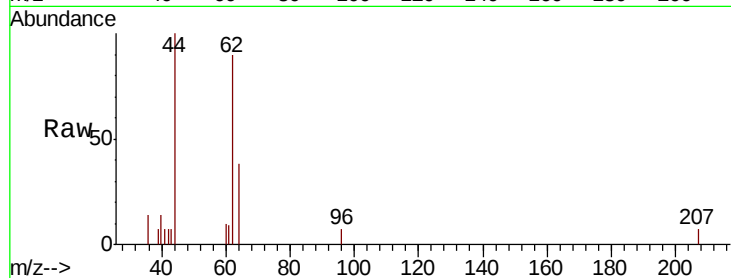
TB04-20200625

Tot Ion: 62 Resp: 3243

Ion Ratio Lower Upper

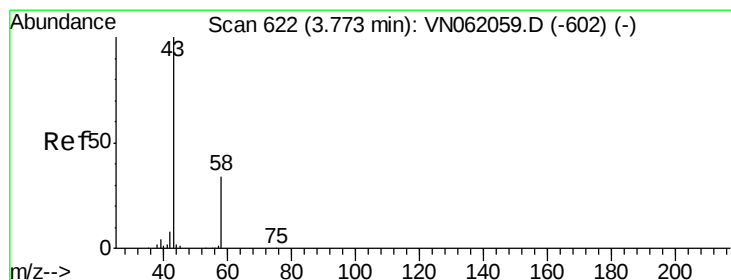
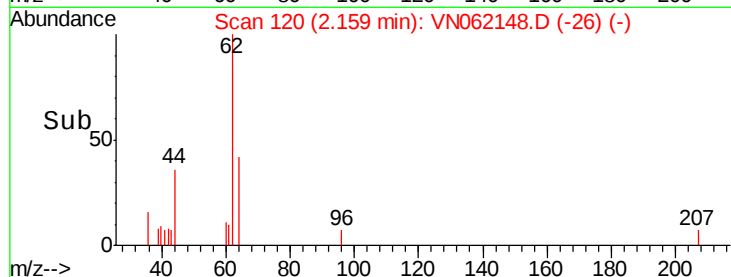
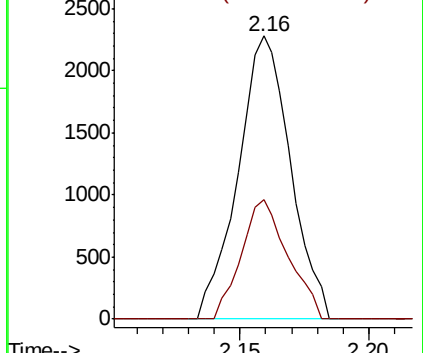
62 100

64 42.1 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN062148.D

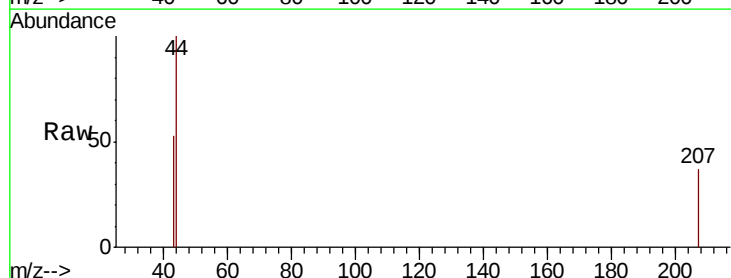
Acq: 26 Jun 2020 18:38

Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

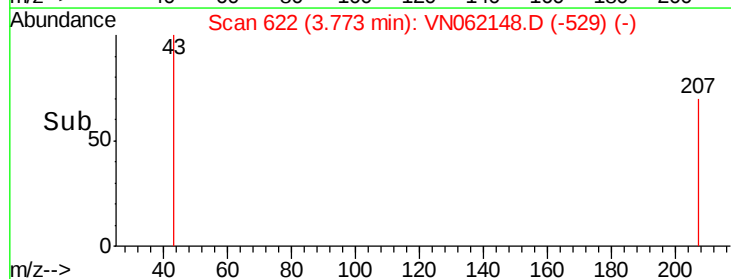
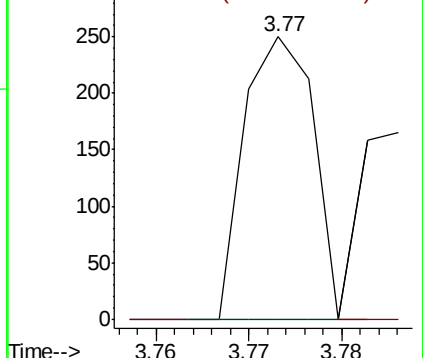
43 100

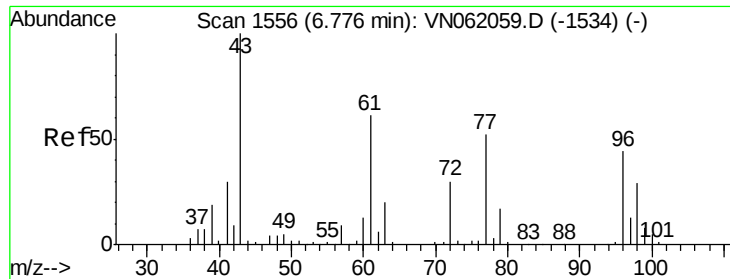
58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 4.262 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625

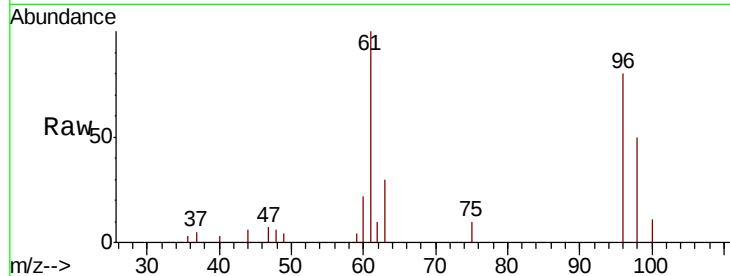
Tot Ion: 96 Resp: 12704

Ion Ratio Lower Upper

96 100

61 121.6 0.0 280.4

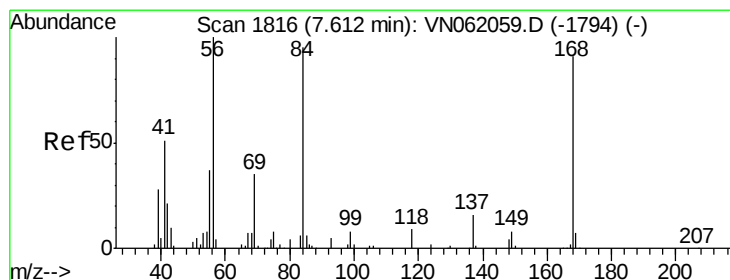
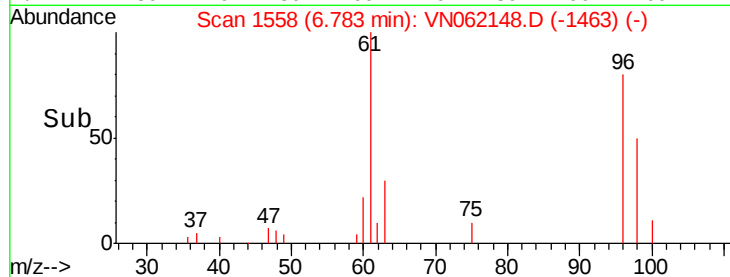
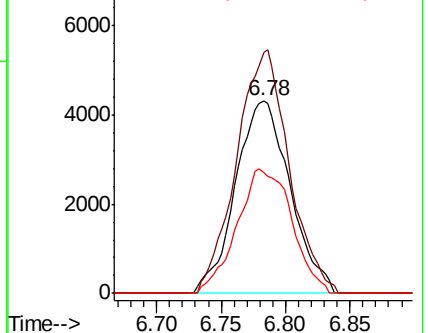
98 64.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062148.D (-1723) (-)

Ion 60.90 (60.60 to 61.60): VN062148.D (-1723) (-)

Ion 97.90 (97.60 to 98.60): VN062148.D (-1723) (-)



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

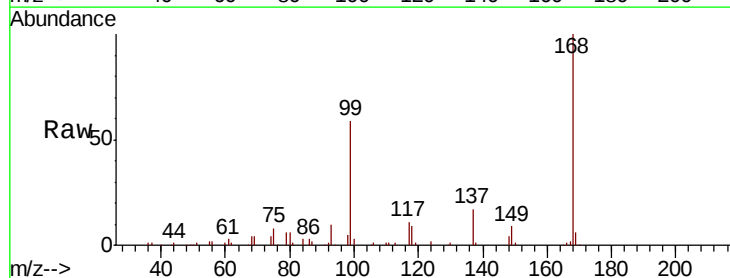
Tgt Ion: 56 Resp: 4611

Ion Ratio Lower Upper

56 100

69 173.6 28.0 42.0#

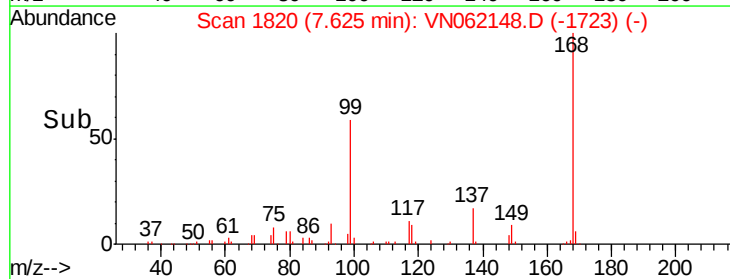
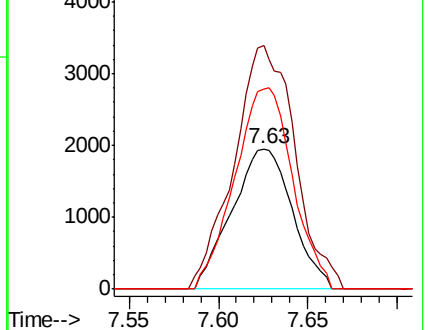
84 142.9 76.1 114.1#

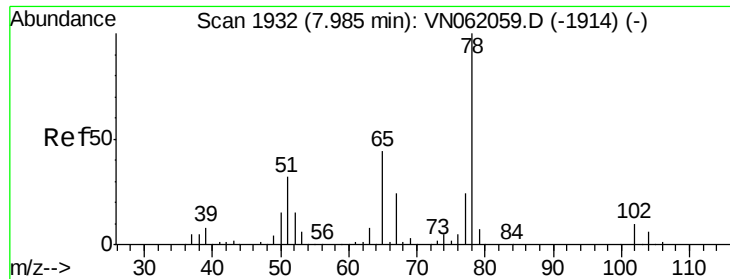


Abundance Ion 56.00 (55.70 to 56.70): VN062148.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062148.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062148.D (-1723) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.762 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

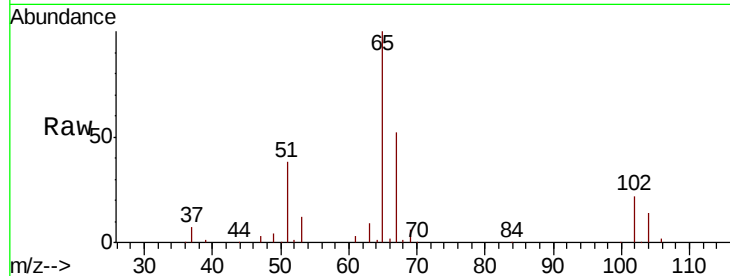
TB04-20200625

Tot Ion: 65 Resp: 147106

Ion Ratio Lower Upper

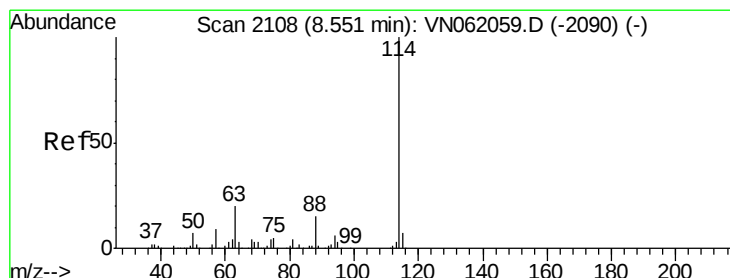
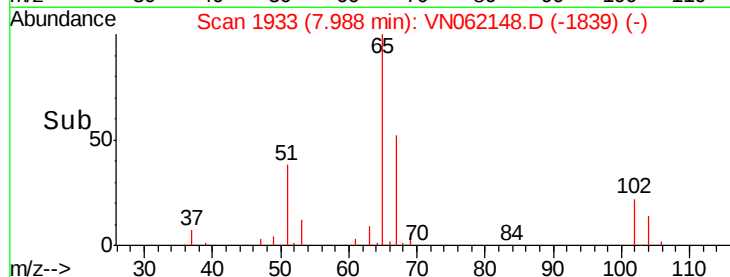
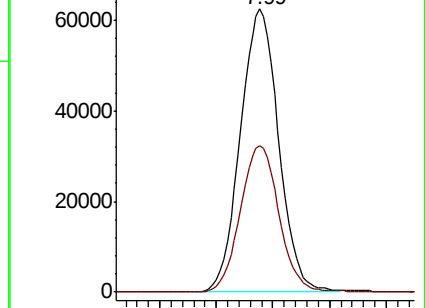
65 100

67 52.2 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062059.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062059.D (-1914) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

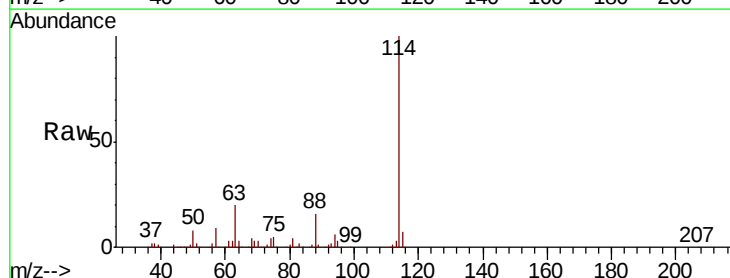
Tgt Ion: 114 Resp: 381788

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

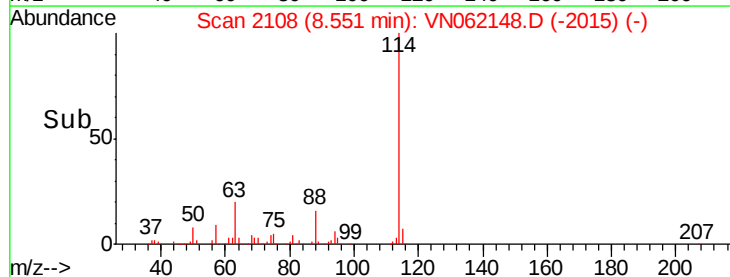
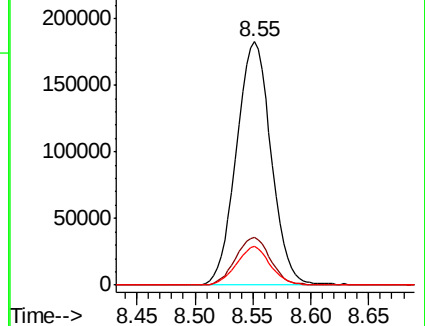
88 15.7 0.0 30.8

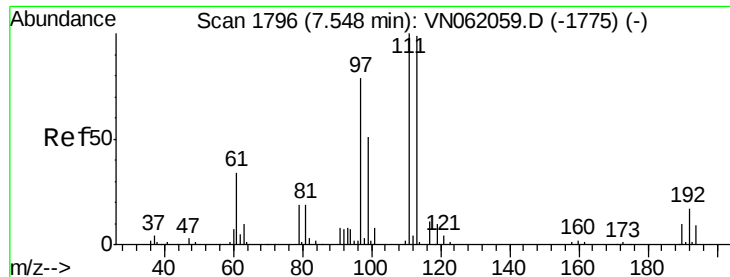


Abundance Ion 113.90 (113.60 to 114.60): VN062059.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062059.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062059.D (-2090) (-)

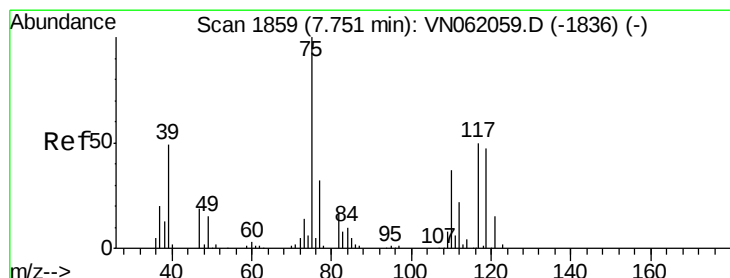
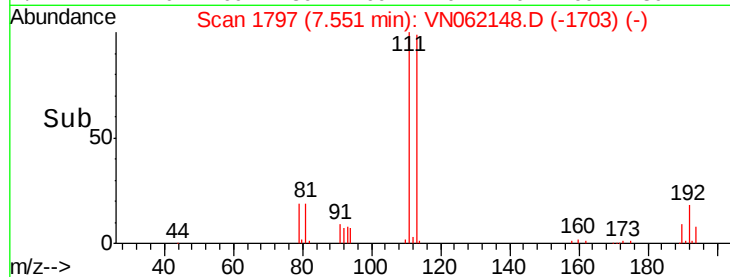
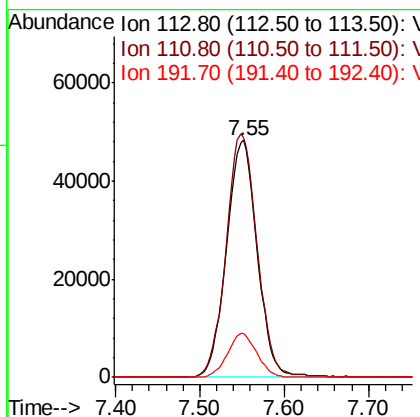
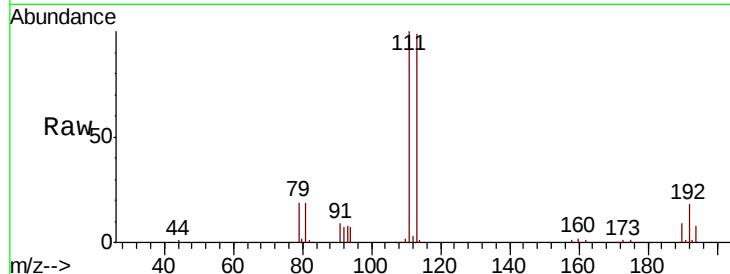




#35
 Dibromofluoromethane
 Concen: 49.882 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062148.D
 Acq: 26 Jun 2020 18:38

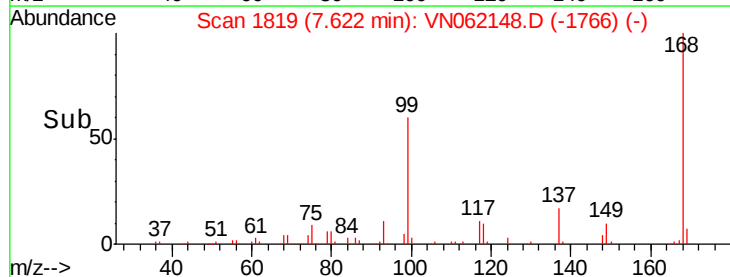
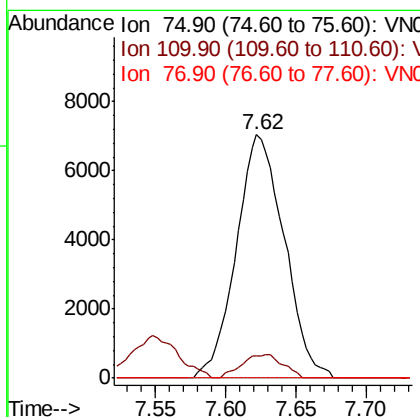
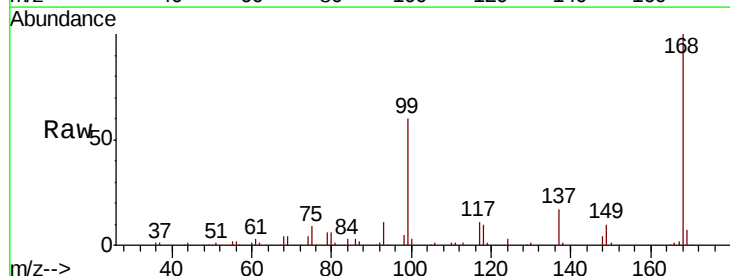
Instrument :
 MSVOA_N
 ClientSampleId :
 TB04-20200625

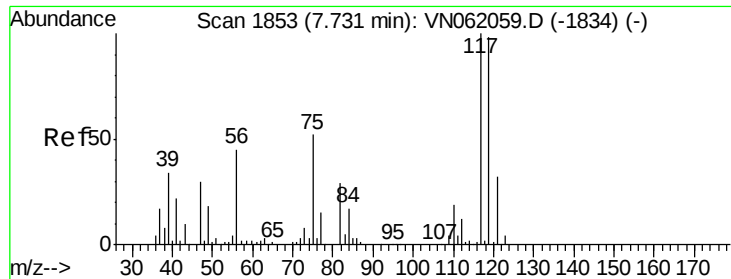
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	17.7	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.354 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062148.D
 Acq: 26 Jun 2020 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.9	53.8#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.10 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625

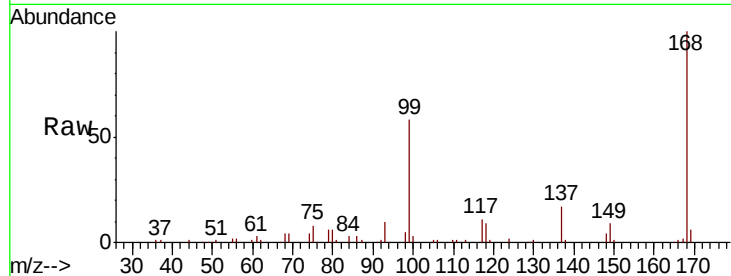
Tot Ion:117 Resp: 21031

Ion Ratio Lower Upper

117 100

119 6.5 78.2 117.2#

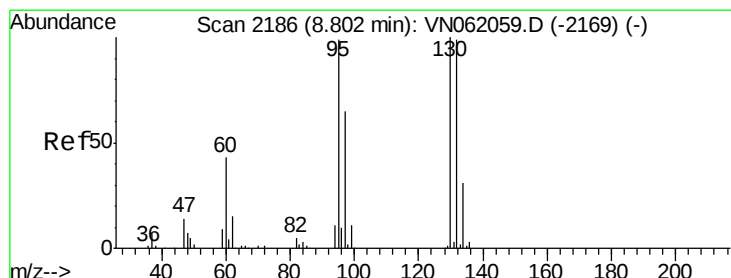
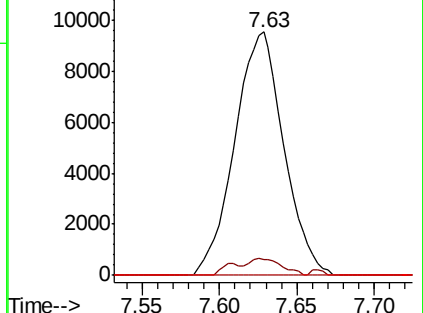
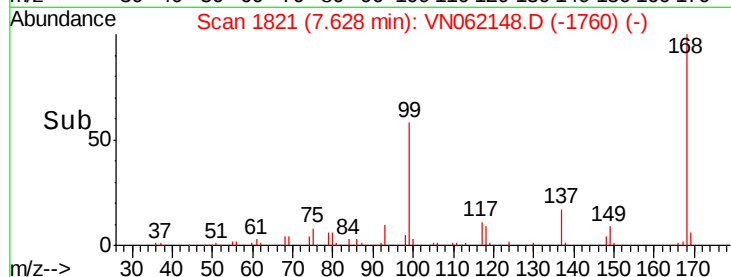
121 0.0 25.8 38.6#



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: 4.663 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062148.D

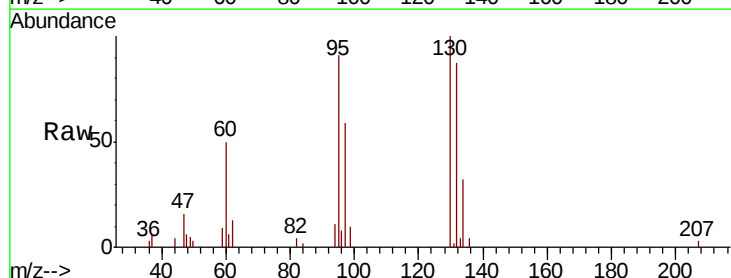
Acq: 26 Jun 2020 18:38

Tgt Ion:130 Resp: 13758

Ion Ratio Lower Upper

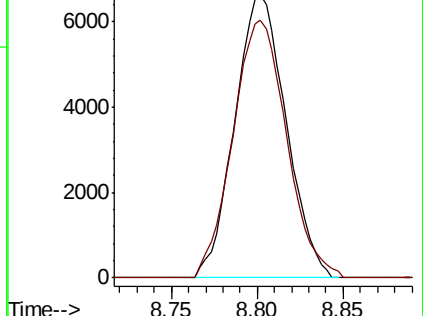
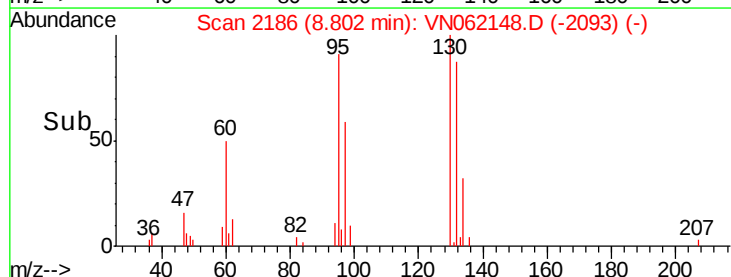
130 100

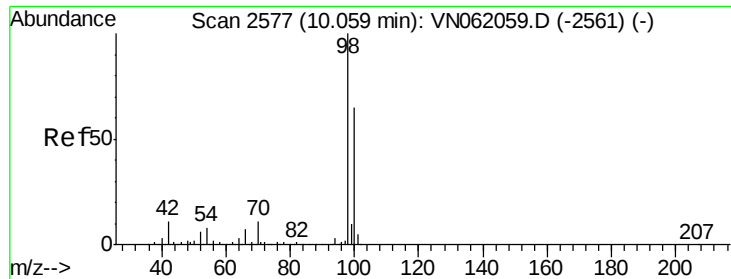
95 91.2 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.367 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

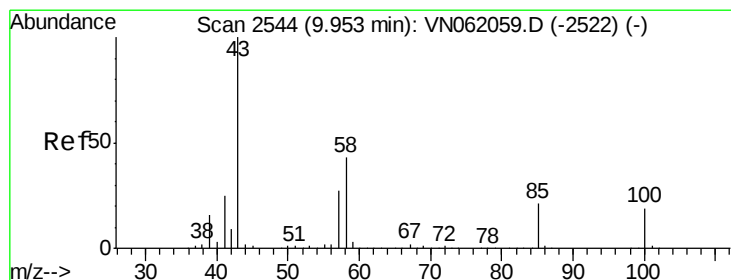
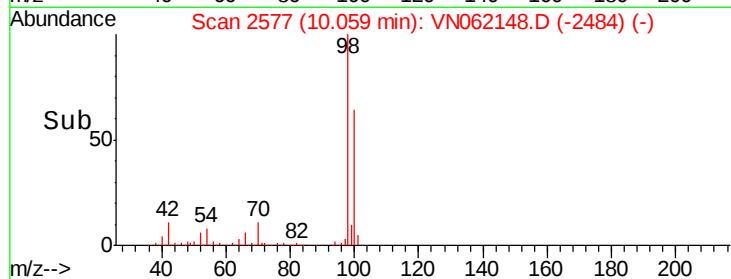
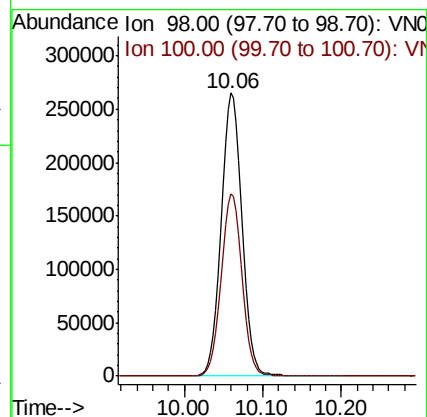
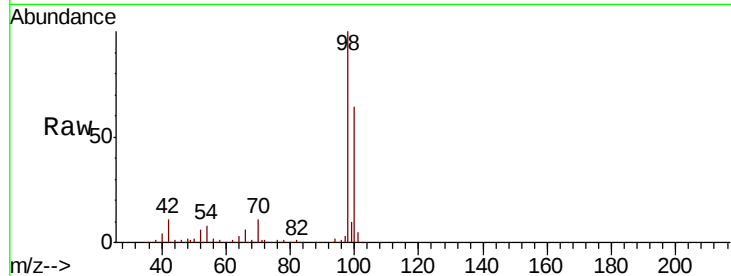
TB04-20200625

Tot Ion: 98 Resp: 483346

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 0.706 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062148.D

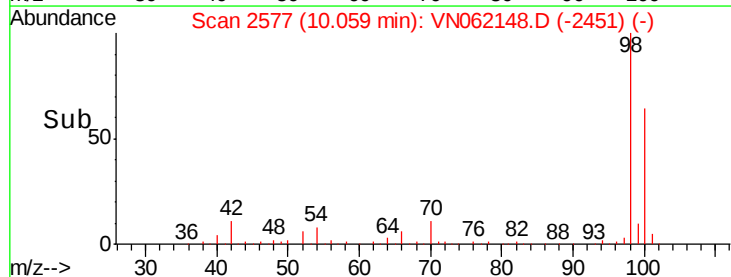
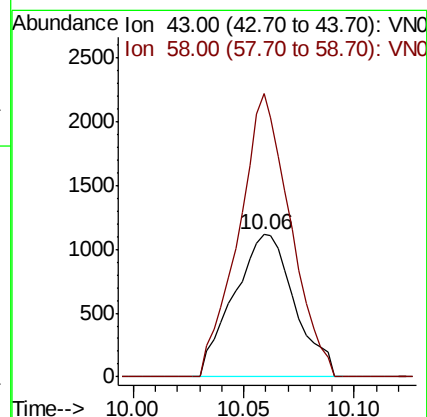
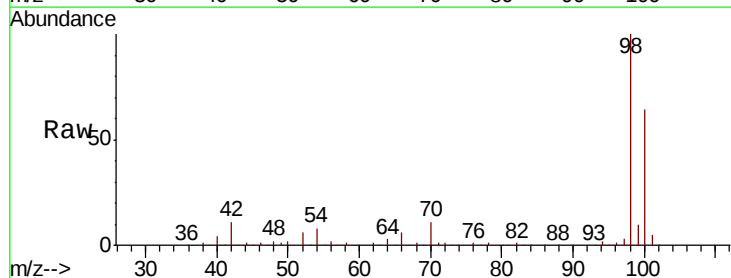
Acq: 26 Jun 2020 18:38

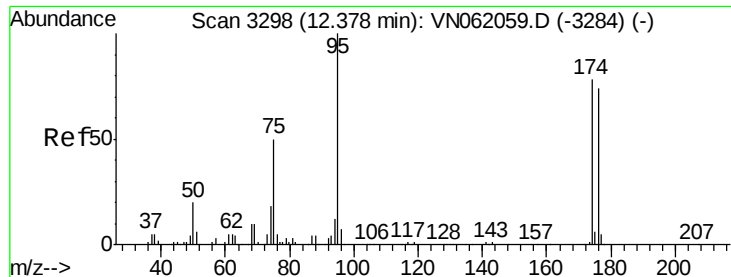
Tgt Ion: 43 Resp: 2138

Ion Ratio Lower Upper

43 100

58 169.0 34.2 51.2#





#62

4-Bromofluorobenzene

Concen: 47.181 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625

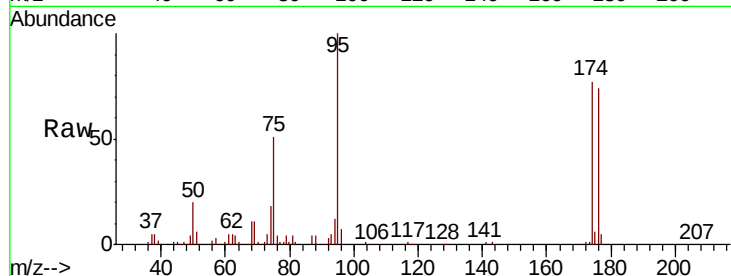
Tot Ion: 95 Resp: 156071

Ion Ratio Lower Upper

95 100

174 75.3 0.0 154.8

176 73.1 0.0 147.4

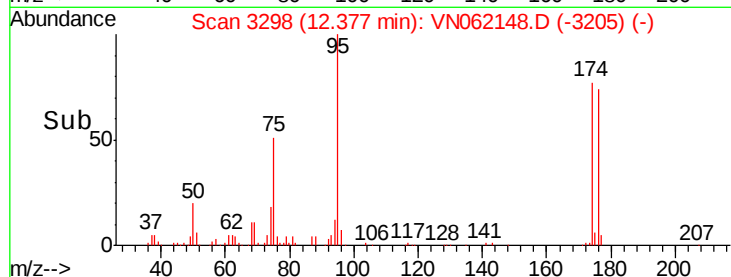


Abundance Ion 94.90 (94.60 to 95.60): VN062148.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062148.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062148.D (-3205) (-)

Time-->

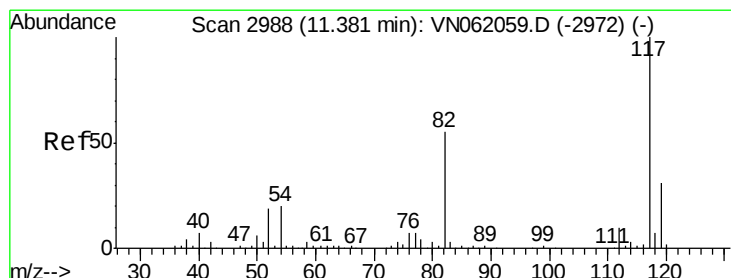


Abundance Ion 94.90 (94.60 to 95.60): VN062148.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062148.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062148.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

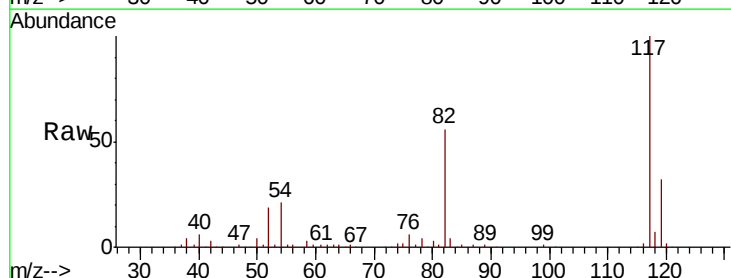
Tgt Ion: 117 Resp: 366628

Ion Ratio Lower Upper

117 100

82 56.0 43.8 65.8

119 31.7 25.2 37.8

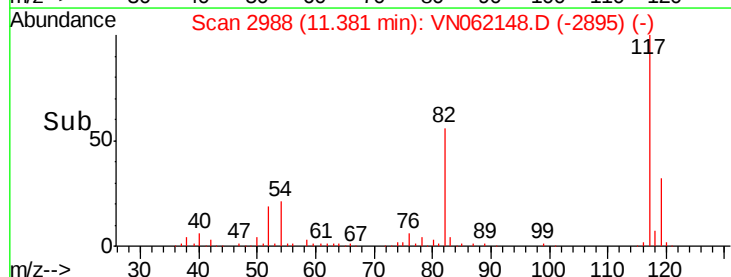


Abundance Ion 116.90 (116.60 to 117.60): VN062148.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062148.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062148.D (-2895) (-)

Time-->

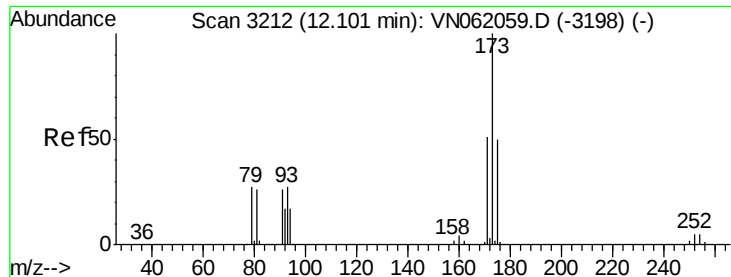


Abundance Ion 116.90 (116.60 to 117.60): VN062148.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062148.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062148.D (-2895) (-)

Time-->



#71

Bromoform

Concen: 0.708 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampleId :

TB04-20200625

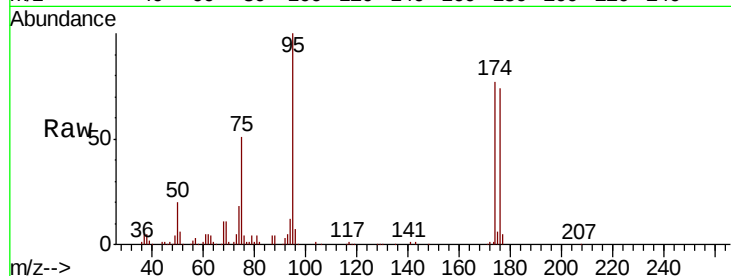
Tot Ion:173 Resp: 1402

Ion Ratio Lower Upper

173 100

175 535.0 24.7 74.1#

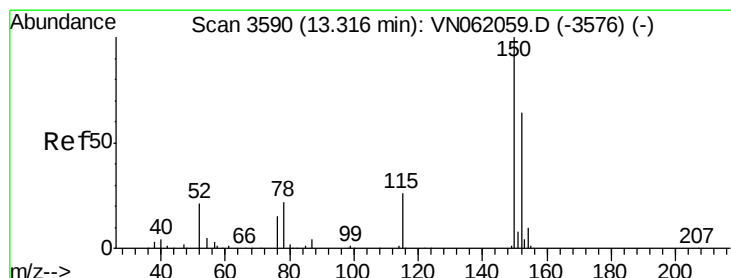
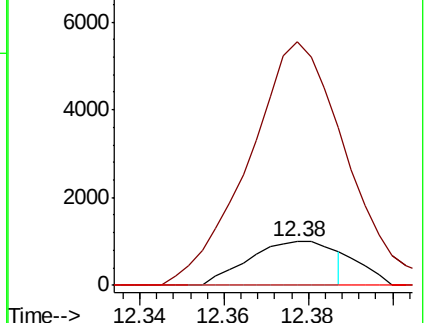
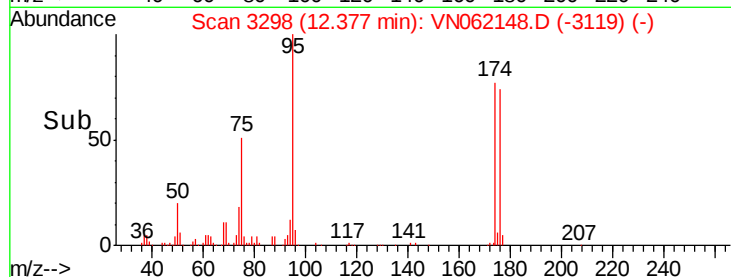
254 0.0 0.0 0.0



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: VN062148.D

Acq: 26 Jun 2020 18:38

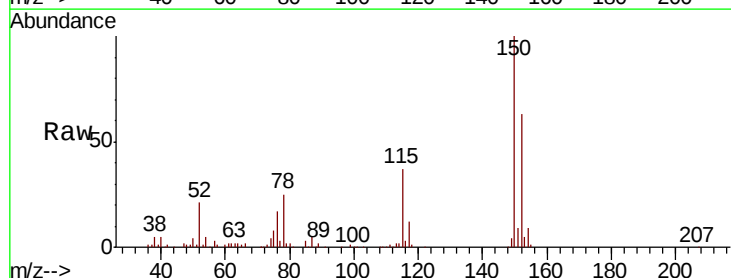
Tgt Ion:152 Resp: 136602

Ion Ratio Lower Upper

152 100

115 58.3 29.5 88.5

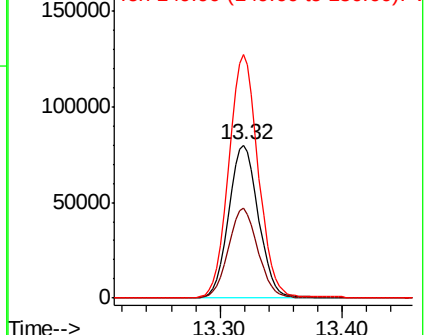
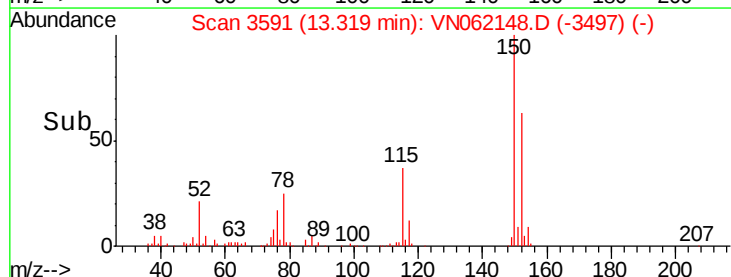
150 157.4 0.0 351.4

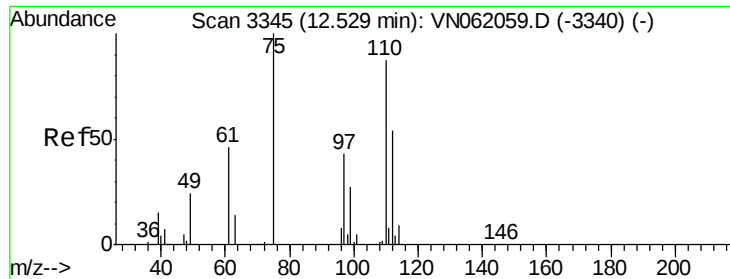


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.451 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

Instrument :

MSVOA_N

ClientSampled :

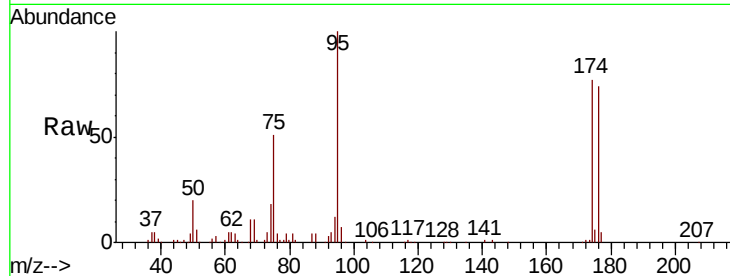
TB04-20200625

Tot Ion: 75 Resp: 78627

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

50000

40000

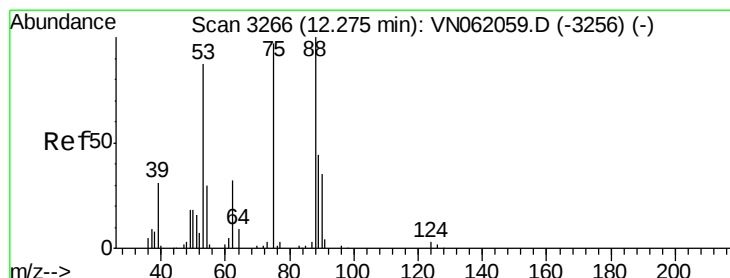
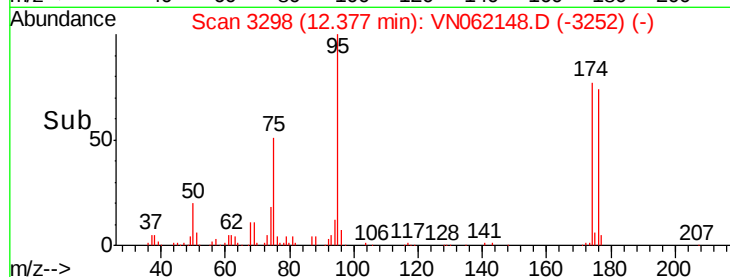
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 71.406 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062148.D

Acq: 26 Jun 2020 18:38

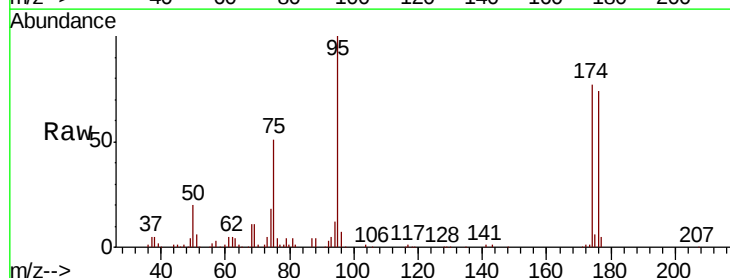
Tgt Ion: 75 Resp: 78627

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.38

60000

50000

40000

30000

20000

10000

0

Time-->

