

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062190.D
 Acq On : 29 Jun 2020 16:06
 Operator : JC/MD
 Sample : L3088-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200622

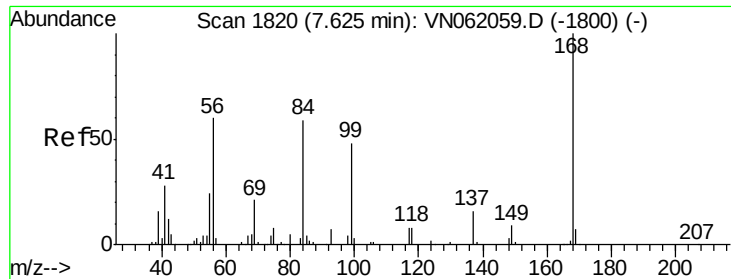
Quant Time: Jun 30 04:27:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	142805	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	156448	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.55	113	128362	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	10.06	98	512361	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.38	95	166073	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	264	Below Cal	#	42
16) Acetone	3.78	43	455	Below Cal	#	40
20) Methylene Chloride	4.50	84	301	Below Cal	#	42
31) Cyclohexane	7.63	56	4909	1.187	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	18266	4.466	ug/l #	48
38) Carbon Tetrachloride	7.63	117	21986	5.702	ug/l #	14
44) Trichloroethene	8.81	130	1878	0.597	ug/l	88
51) 4-Methyl-2-Pentanone	10.05	43	2355	0.730	ug/l #	1
71) Bromoform	12.38	173	1484	0.705	ug/l #	1
74) N-amyl acetate	11.90	43	30	3.350	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	84304	25.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	84304	73.236	ug/l #	13
95) Naphthalene	15.12	128	377	4.046	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: VN062190.D

Acq: 29 Jun 2020 16:06

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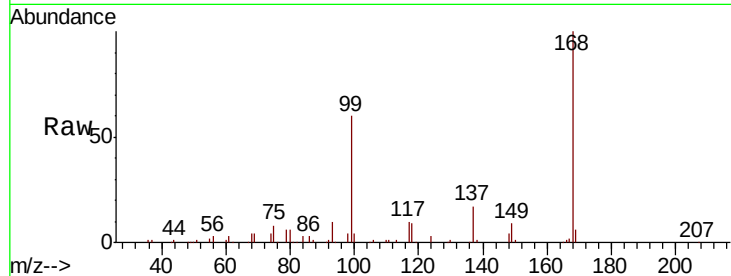
TB01-20200622

Tot Ion:168 Resp: 213275

Ion Ratio Lower Upper

168 100

99 60.3 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

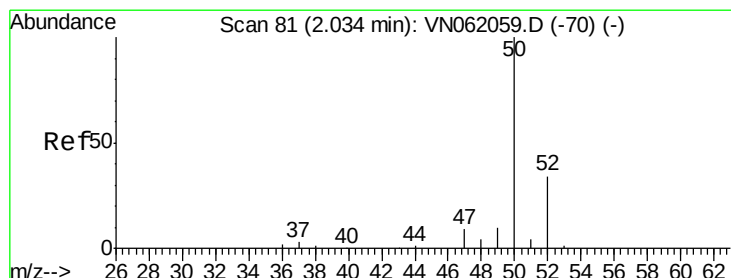
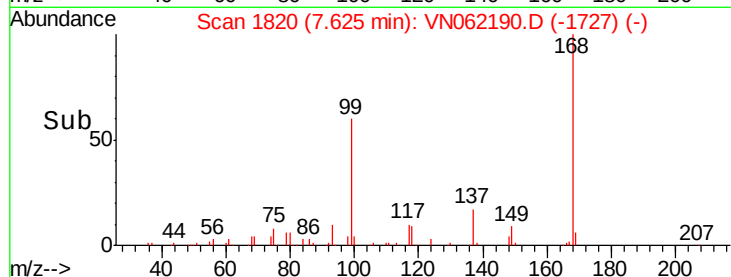
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062190.D

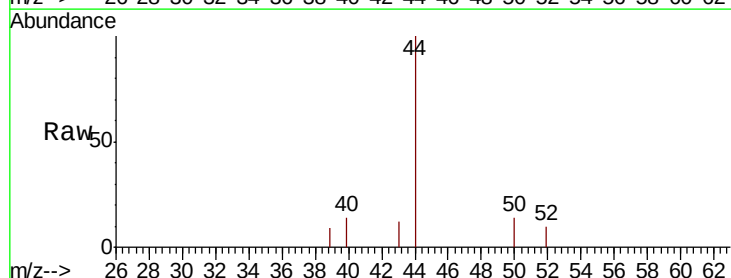
Acq: 29 Jun 2020 16:06

Tgt Ion: 50 Resp: 264

Ion Ratio Lower Upper

50 100

52 66.9 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.03

300

250

200

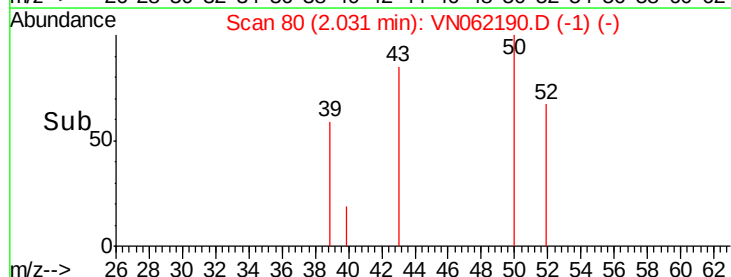
150

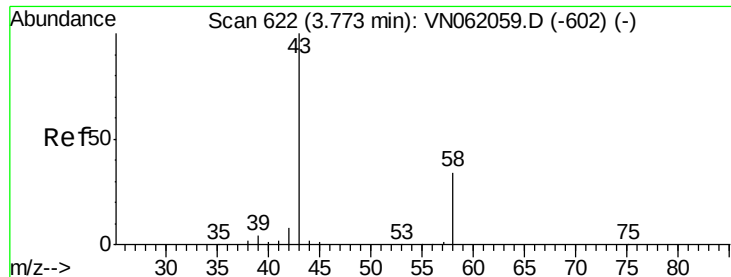
100

50

0

Time--> 2.02 2.04 2.06





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

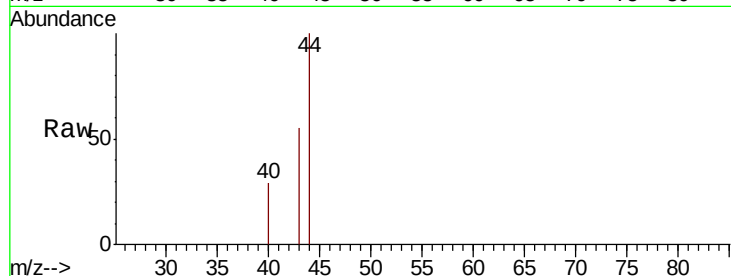
TB01-20200622

Tot Ion: 43 Resp: 455

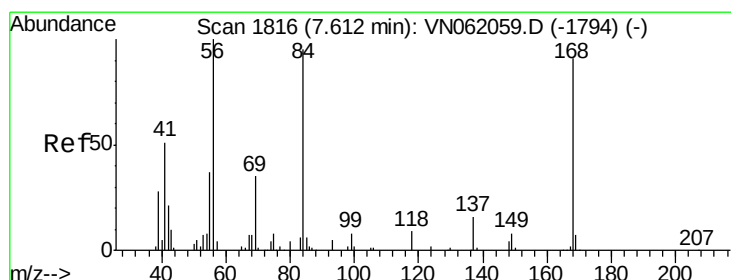
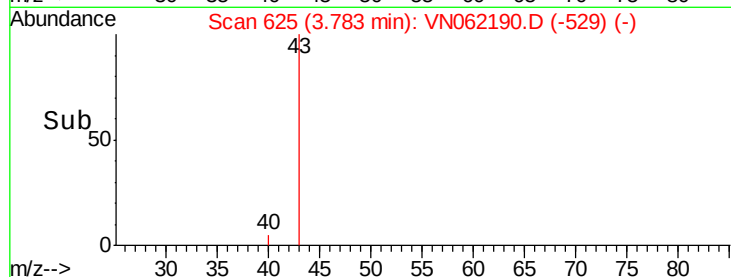
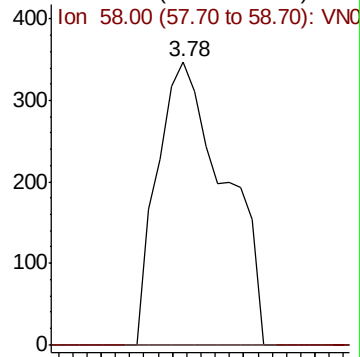
Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062190.D (-1723) (-)



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

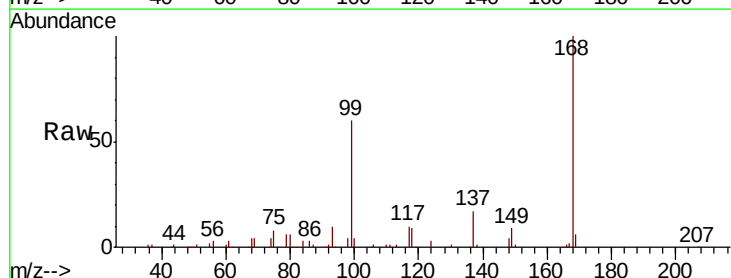
Tgt Ion: 56 Resp: 4909

Ion Ratio Lower Upper

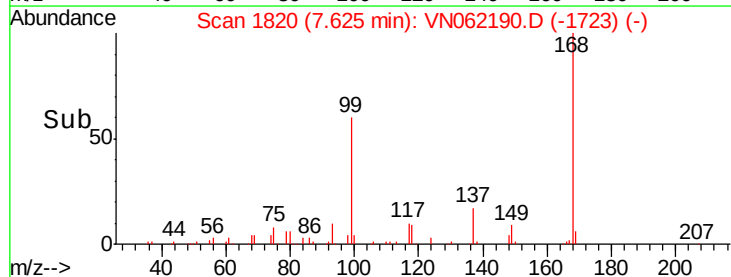
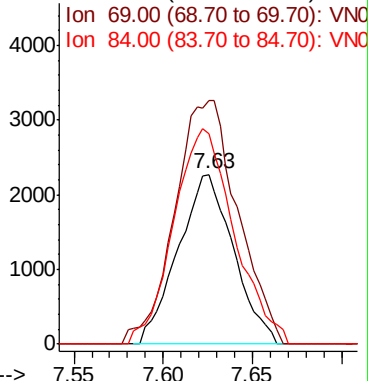
56 100

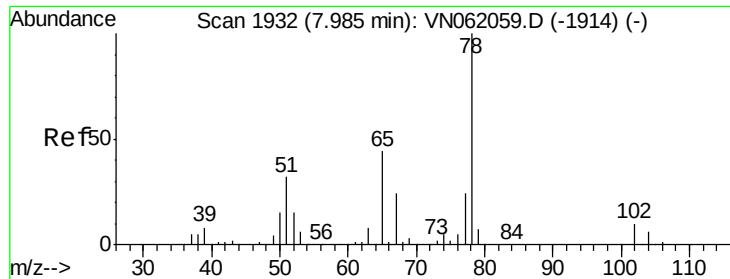
69 143.7 28.0 42.0#

84 116.3 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062190.D (-1723) (-)

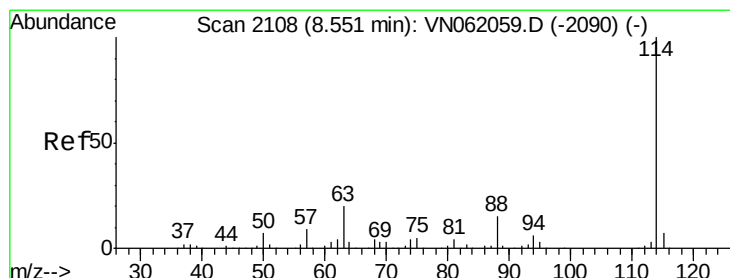
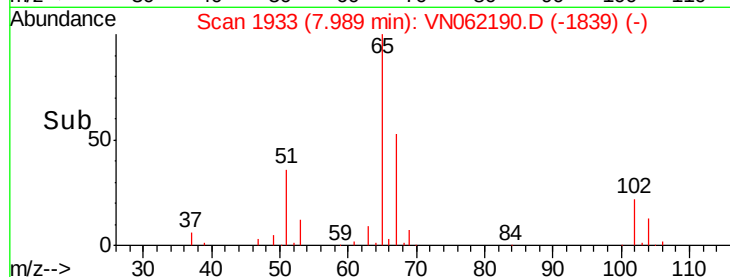
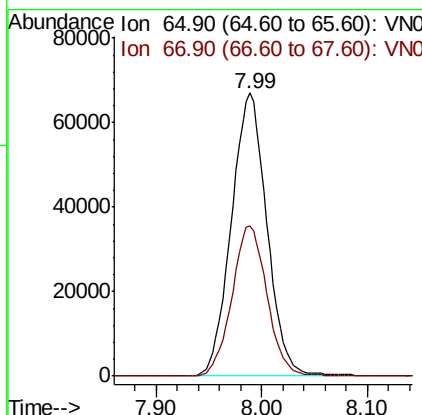
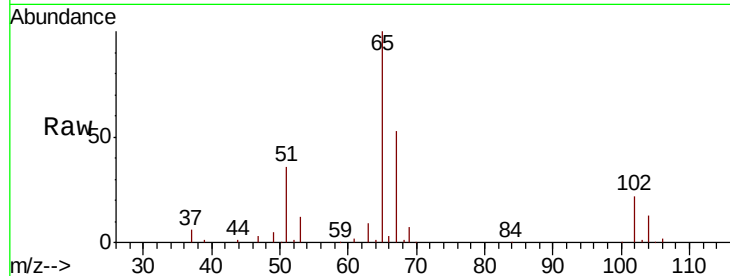




#33
 1,2-Dichloroethane-d4
 Concen: 52.272 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062190.D
 Acq: 29 Jun 2020 16:06

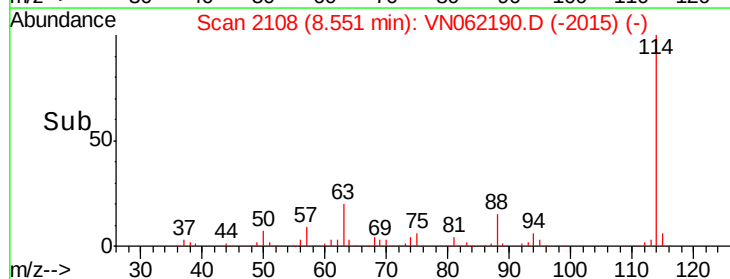
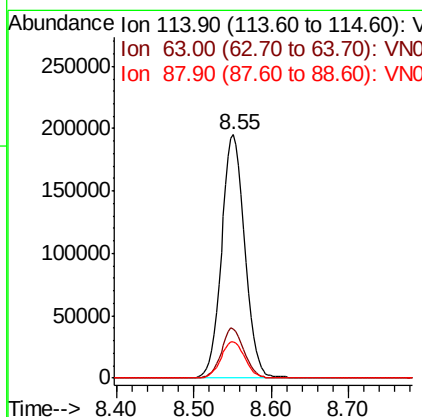
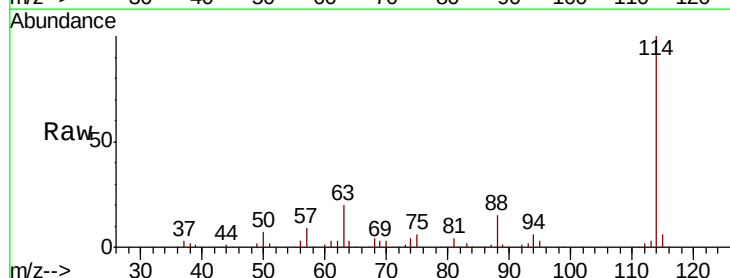
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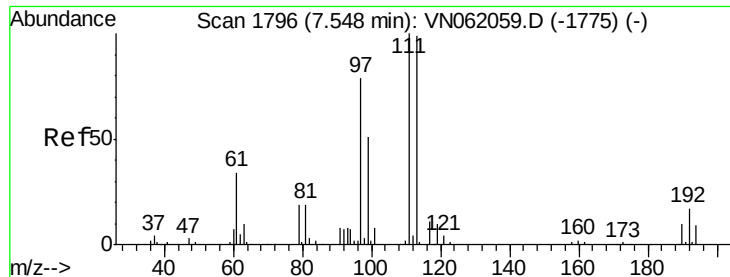
Tot Ion: 65 Resp: 156448
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062190.D
 Acq: 29 Jun 2020 16:06

Tgt Ion: 114 Resp: 406887
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.2
 88 14.9 0.0 30.8

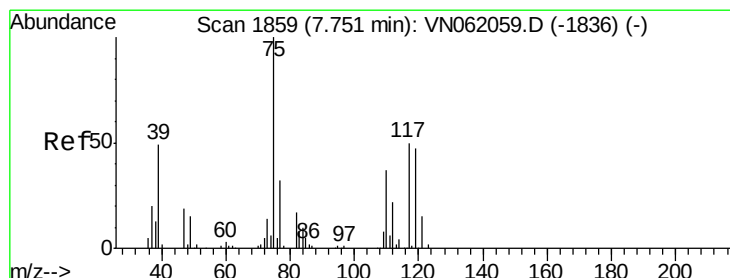
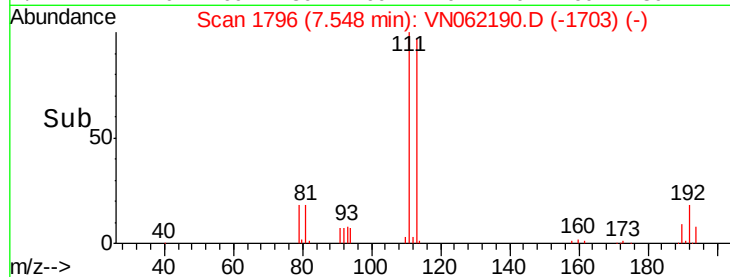
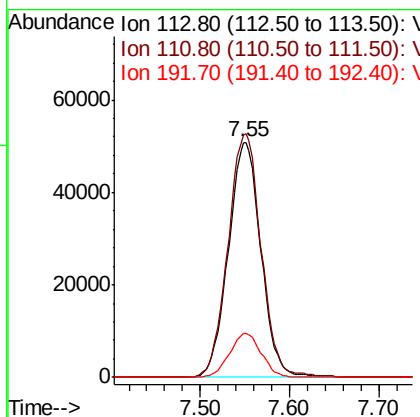
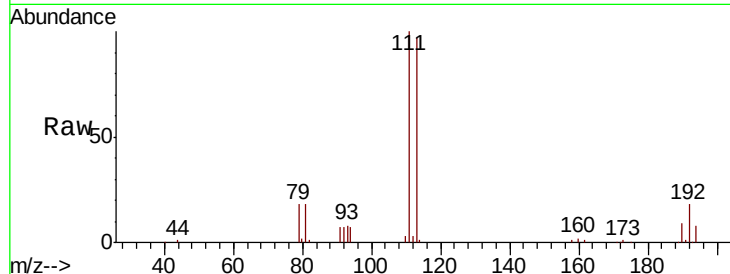




#35
 Dibromofluoromethane
 Concen: 49.174 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062190.D
 Acq: 29 Jun 2020 16:06

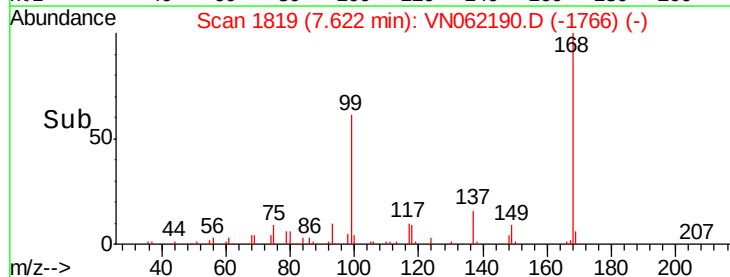
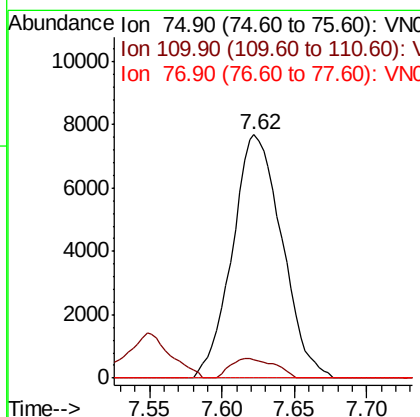
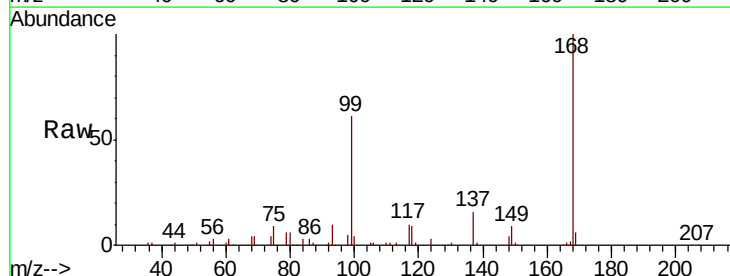
Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20200622

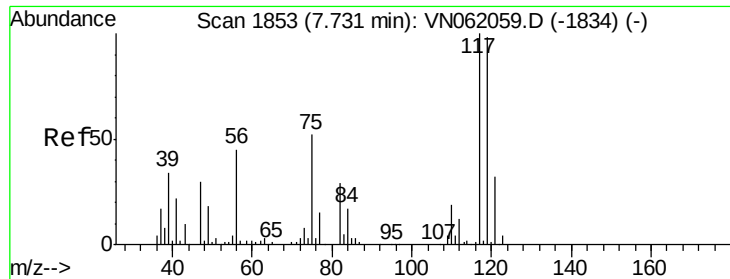
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.2	123.4
192	18.0	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.466 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062190.D
 Acq: 29 Jun 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.9	53.8#
77	0.0	24.9	37.3#

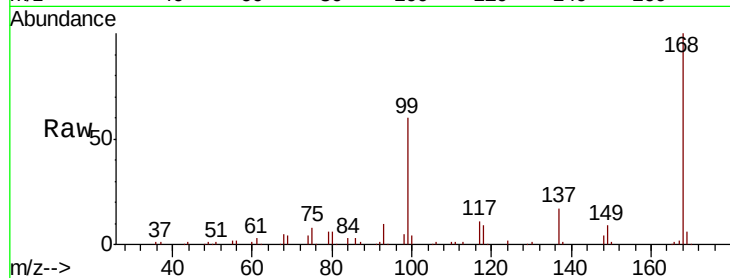




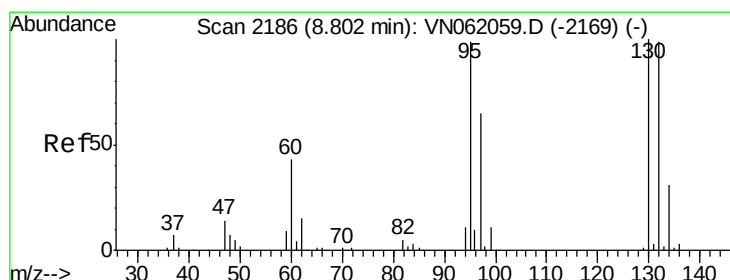
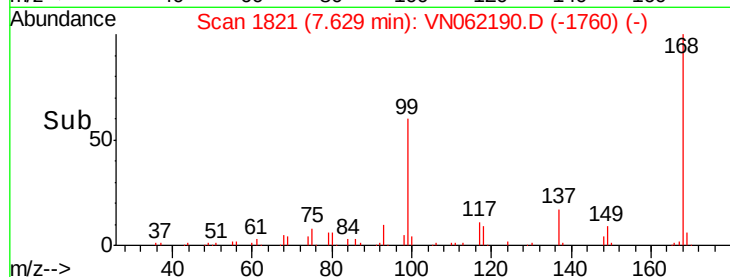
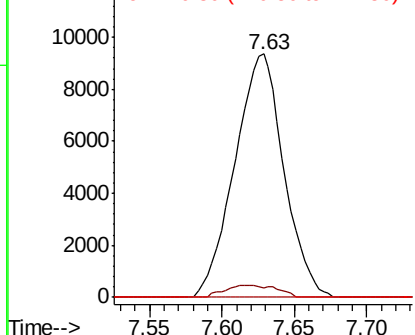
#38
Carbon Tetrachloride
Concen: 5.702 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.10 min
Lab File: VN062190.D
Acq: 29 Jun 2020 16:06

Instrument :
MSVOA_N
ClientSampleId :
TB01-20200622

Tot Ion:117 Resp: 21986
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 25.8 38.6#

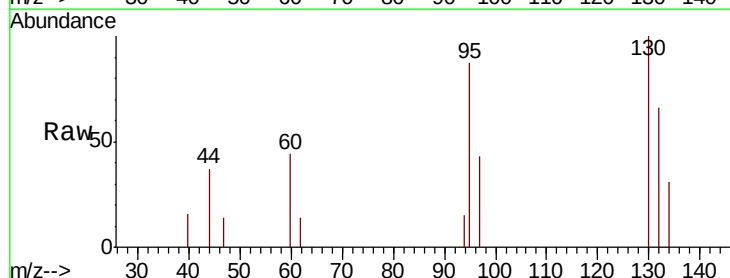


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

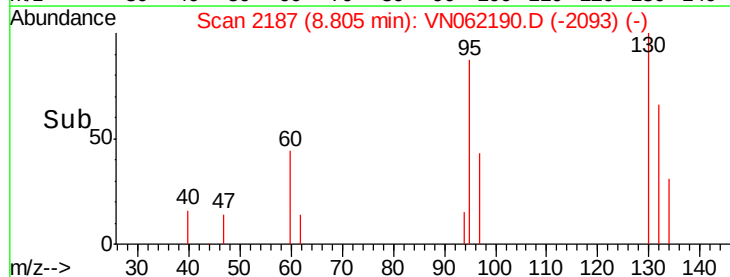
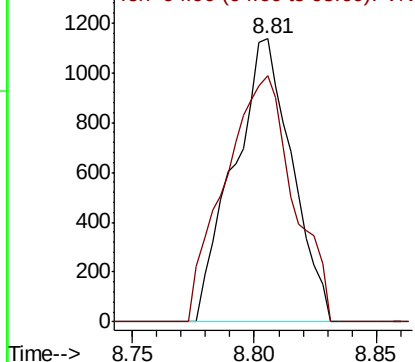


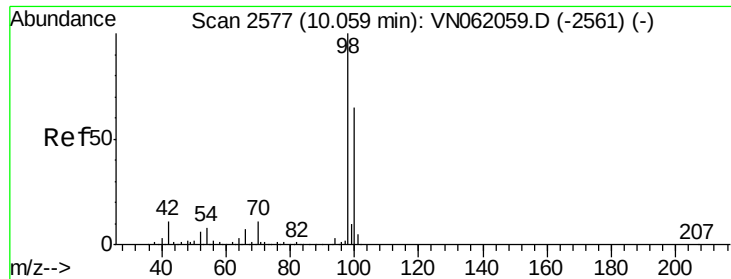
#44
Trichloroethene
Concen: 0.597 ug/l
RT: 8.81 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VN062190.D
Acq: 29 Jun 2020 16:06

Tgt Ion:130 Resp: 1878
Ion Ratio Lower Upper
130 100
95 86.8 0.0 197.8



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

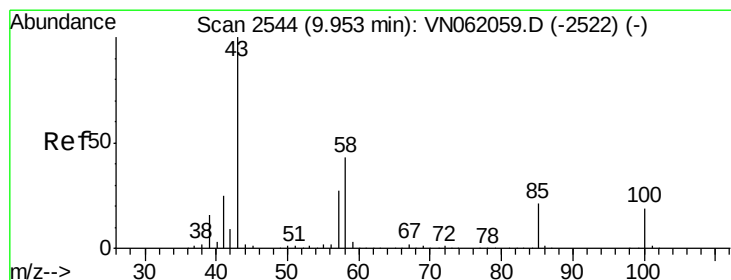
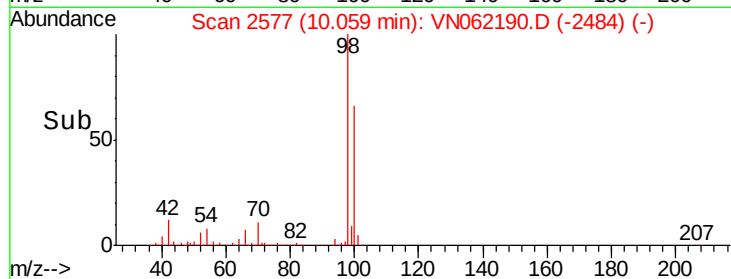
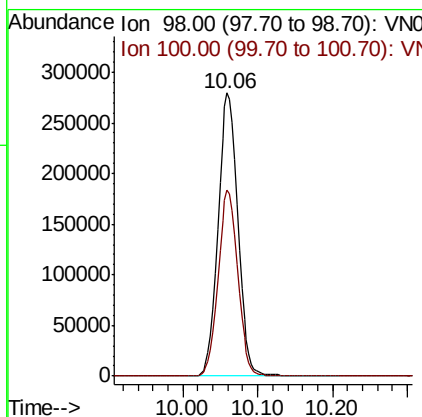
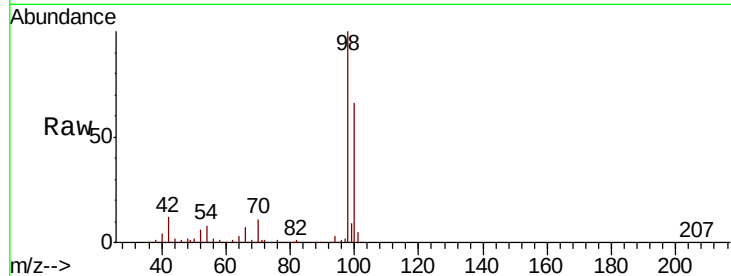




#50
Toluene-d8
Concen: 49.102 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062190.D
Acq: 29 Jun 2020 16:06

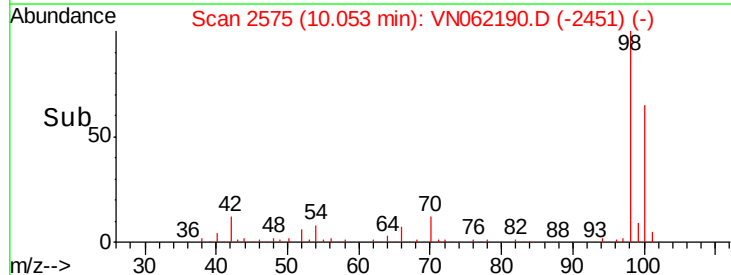
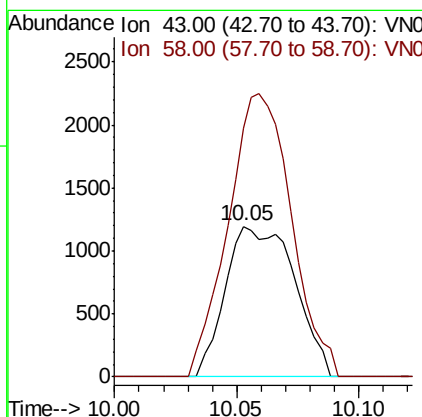
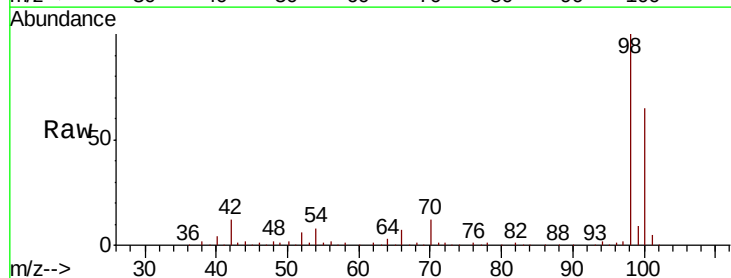
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MSVOA_N
ClientSampleId :
TB01-20200622

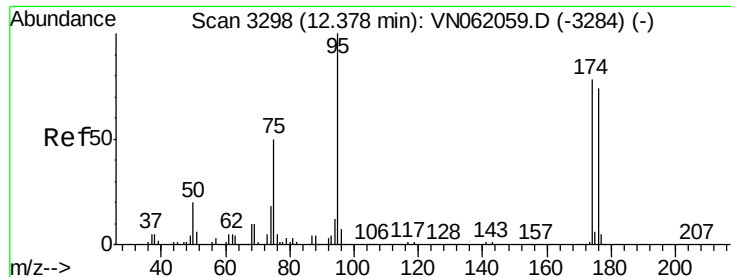
Tot Ion: 98 Resp: 512361
Ion Ratio Lower Upper
98 100
100 65.1 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.730 ug/l
RT: 10.05 min Scan# 2575
Delta R.T. 0.10 min
Lab File: VN062190.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
58 171.8 34.2 51.2#

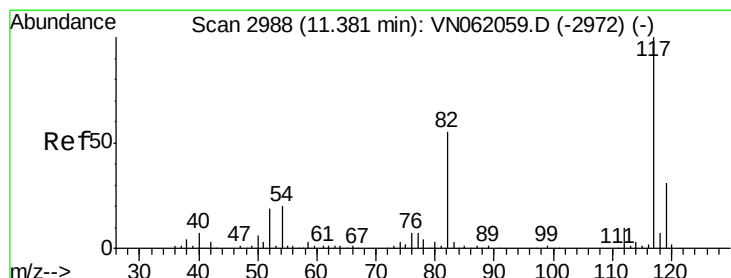
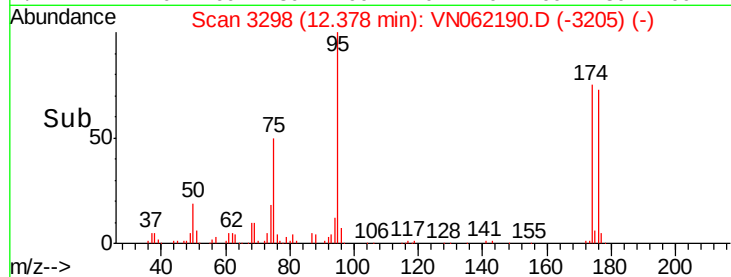
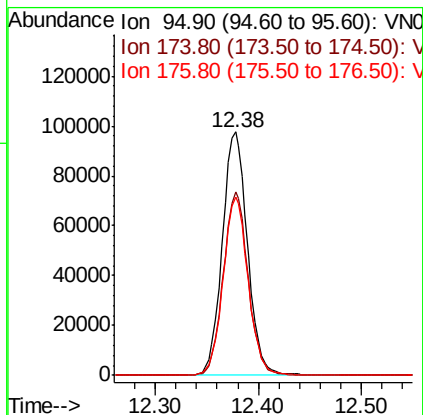
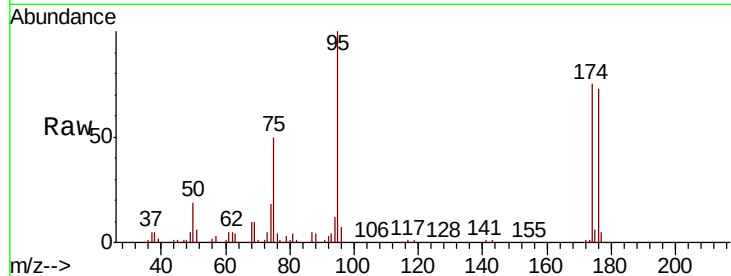




#62
4-Bromofluorobenzene
Concen: 47.108 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062190.D
Acq: 29 Jun 2020 16:06

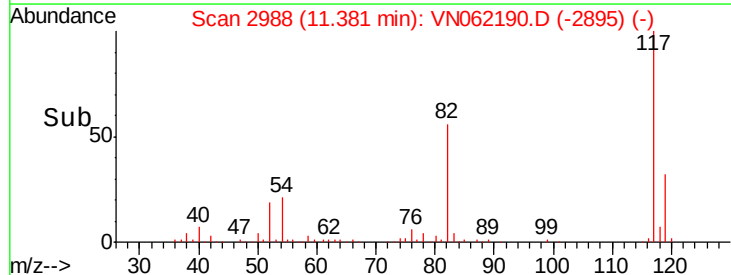
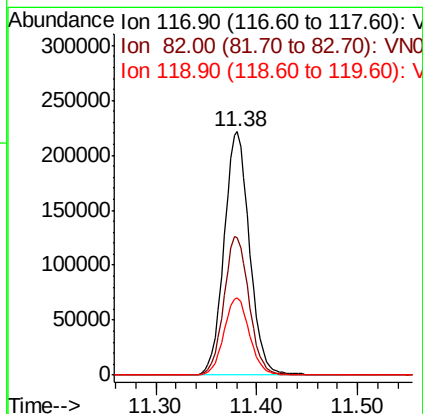
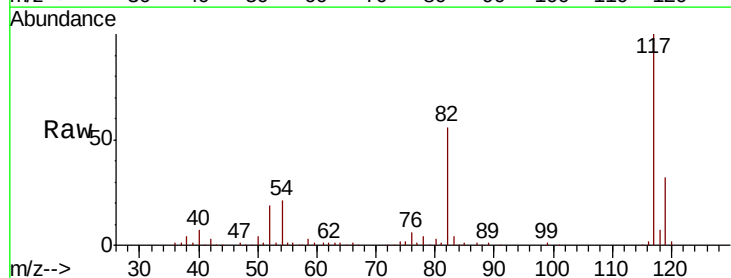
Instrument :
MSVOA_N
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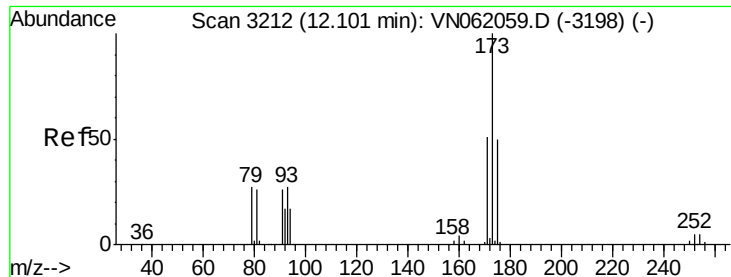
Tot Ion: 95 Resp: 166073
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.8
176 72.7 0.0 147.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062190.D
Acq: 29 Jun 2020 16:06

Tgt Ion: 117 Resp: 389878
Ion Ratio Lower Upper
117 100
82 56.4 43.8 65.8
119 31.8 25.2 37.8





#71

Bromoform

Concen: 0.705 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200622

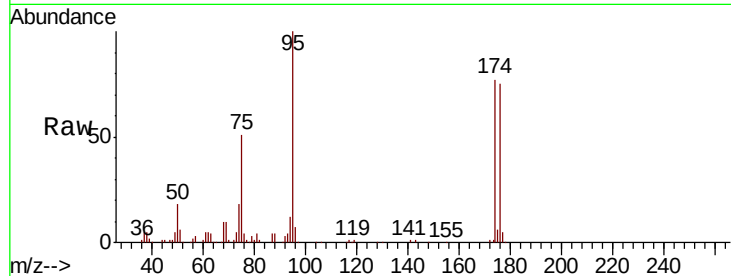
Tot Ion:173 Resp: 1484

Ion Ratio Lower Upper

173 100

175 535.4 24.7 74.1#

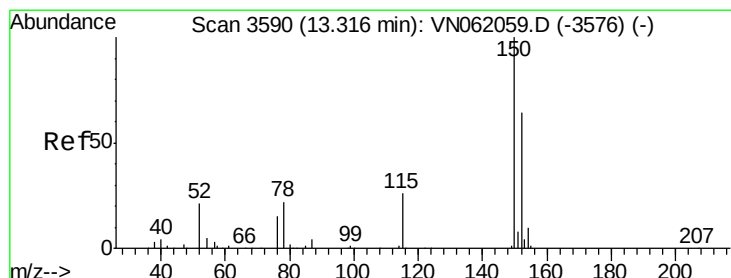
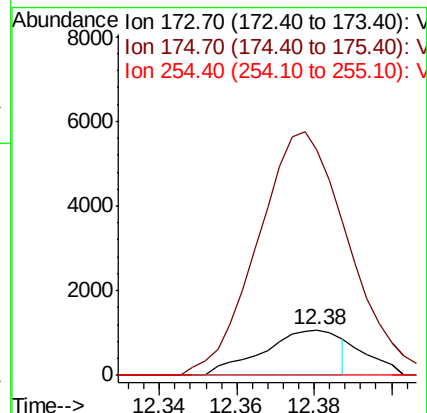
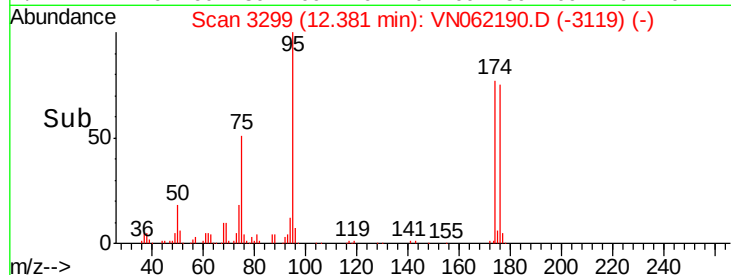
254 0.0 0.0 0.0



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: VN062190.D

Acq: 29 Jun 2020 16:06

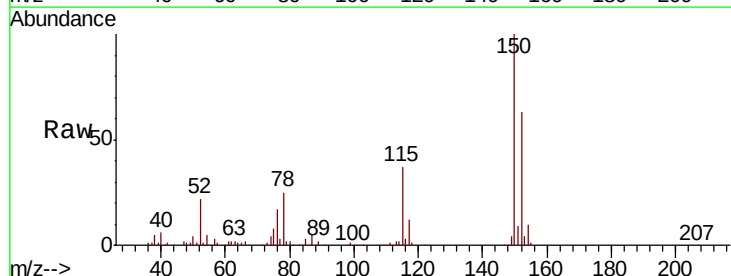
Tgt Ion:152 Resp: 142805

Ion Ratio Lower Upper

152 100

115 57.9 29.5 88.5

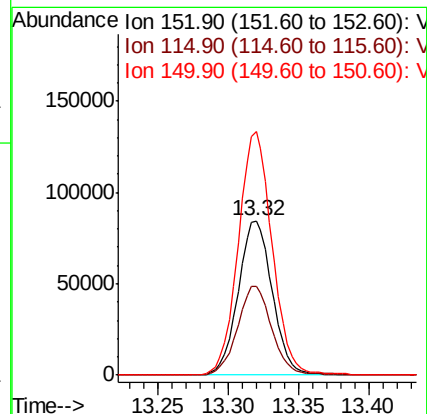
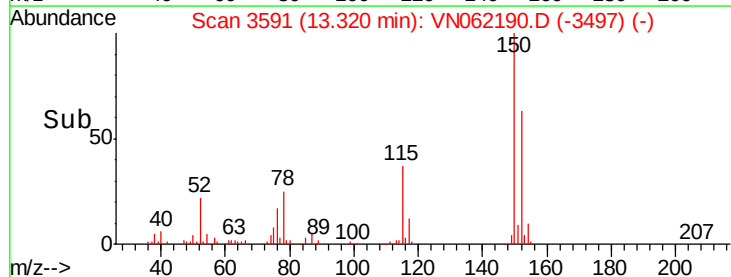
150 157.2 0.0 351.4

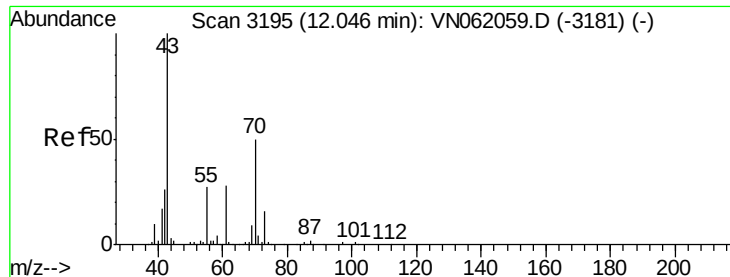


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.350 ug/l

RT: 11.90 min Scan# 3150

Delta R.T. -0.14 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

Instrument :

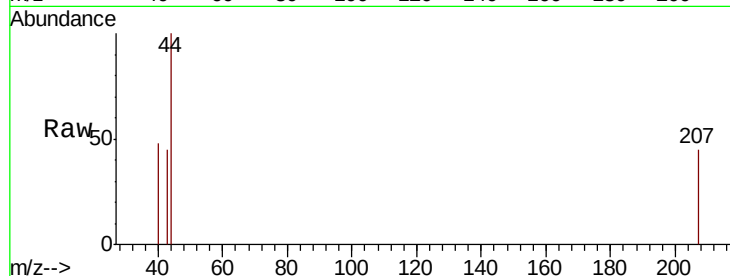
MSVOA_N

ClientSampleId :

TB01-20200622

Tot Ion: 43 Resp: 30

Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.4	59.2#
55	0.0	21.7	32.5#
61	0.0	21.3	31.9#

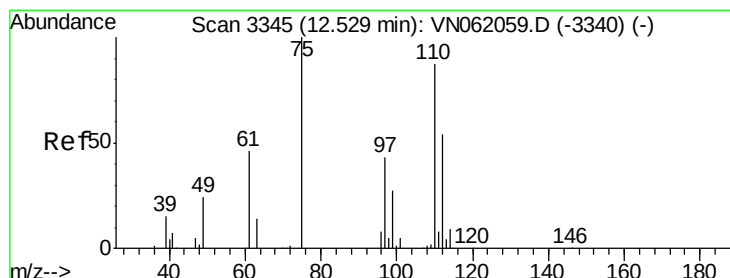
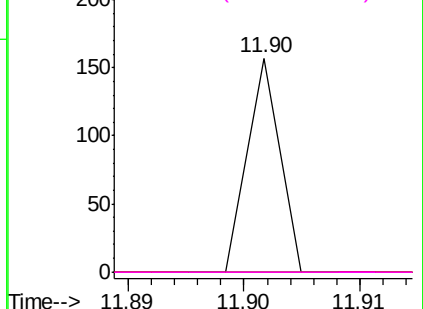
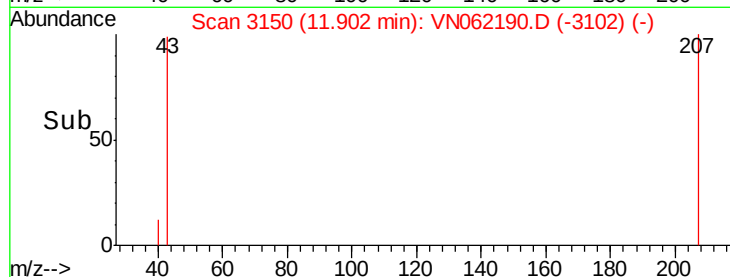


Abundance Ion 43.00 (42.70 to 43.70): VN062190.D (-3102) (-)

Ion 70.00 (69.70 to 70.70): VN062190.D (-3102) (-)

Ion 55.00 (54.70 to 55.70): VN062190.D (-3102) (-)

Ion 61.00 (60.70 to 61.70): VN062190.D (-3102) (-)



#76

1,2,3-Trichloropropane

Concen: 25.077 ug/l

RT: 12.38 min Scan# 3298

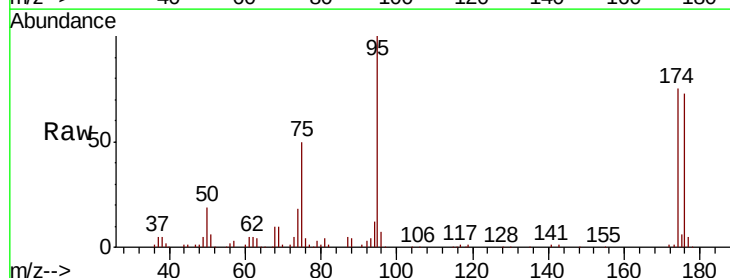
Delta R.T. -0.15 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

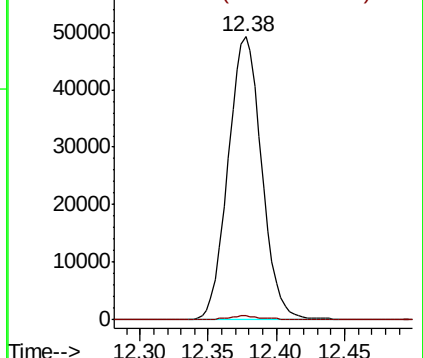
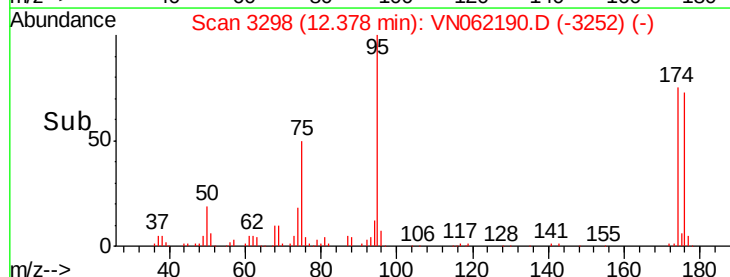
Tgt Ion: 75 Resp: 84304

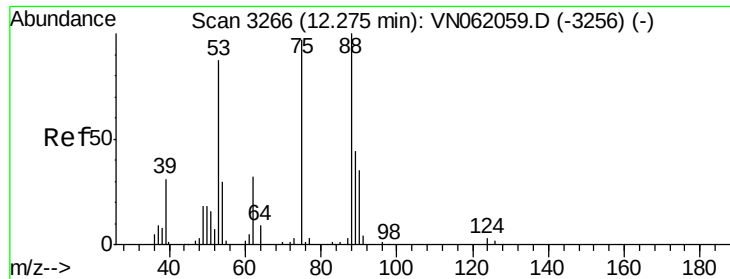
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062190.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062190.D (-3252) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 73.236 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

Instrument :

MSVOA_N

ClientSampleId :

TB01-20200622

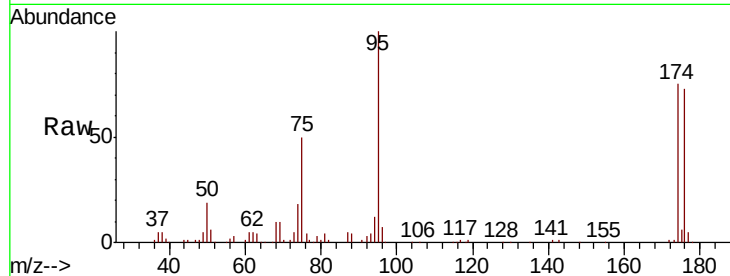
Tot Ion: 75 Resp: 84304

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

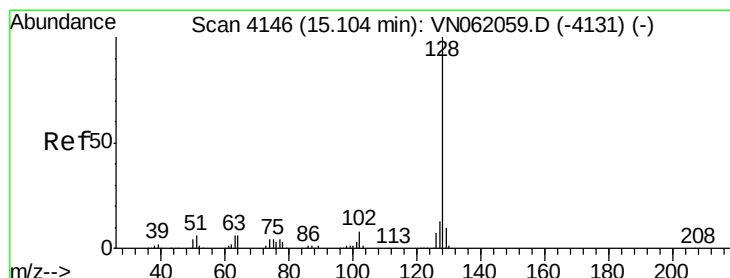
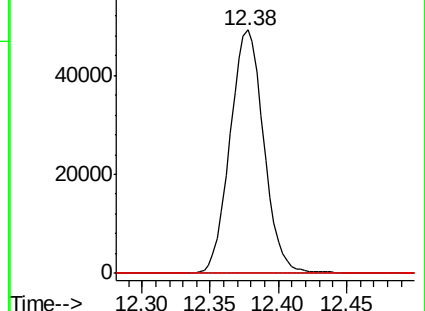
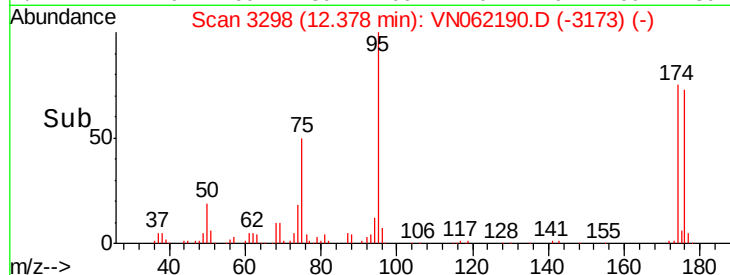
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062190.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062190.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062190.D (-3173) (-)



#95

Naphthalene

Concen: 4.046 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.02 min

Lab File: VN062190.D

Acq: 29 Jun 2020 16:06

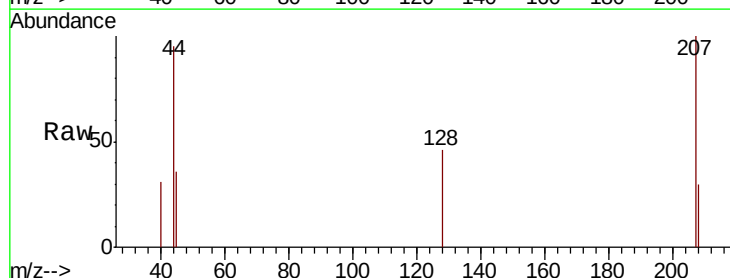
Tgt Ion: 128 Resp: 377

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): VN062190.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN062190.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN062190.D (-4053) (-)

