

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081920\
 Data File : VN063008.D
 Acq On : 19 Aug 2020 13:02
 Operator : JC/MD
 Sample : L3700-01
 Misc : 3.43g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-081420

Quant Time: Aug 19 13:41:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	140829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98154	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	88785	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
35) Dibromofluoromethane	7.54	113	76689	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.06	98	300315	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.38	95	104893	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	

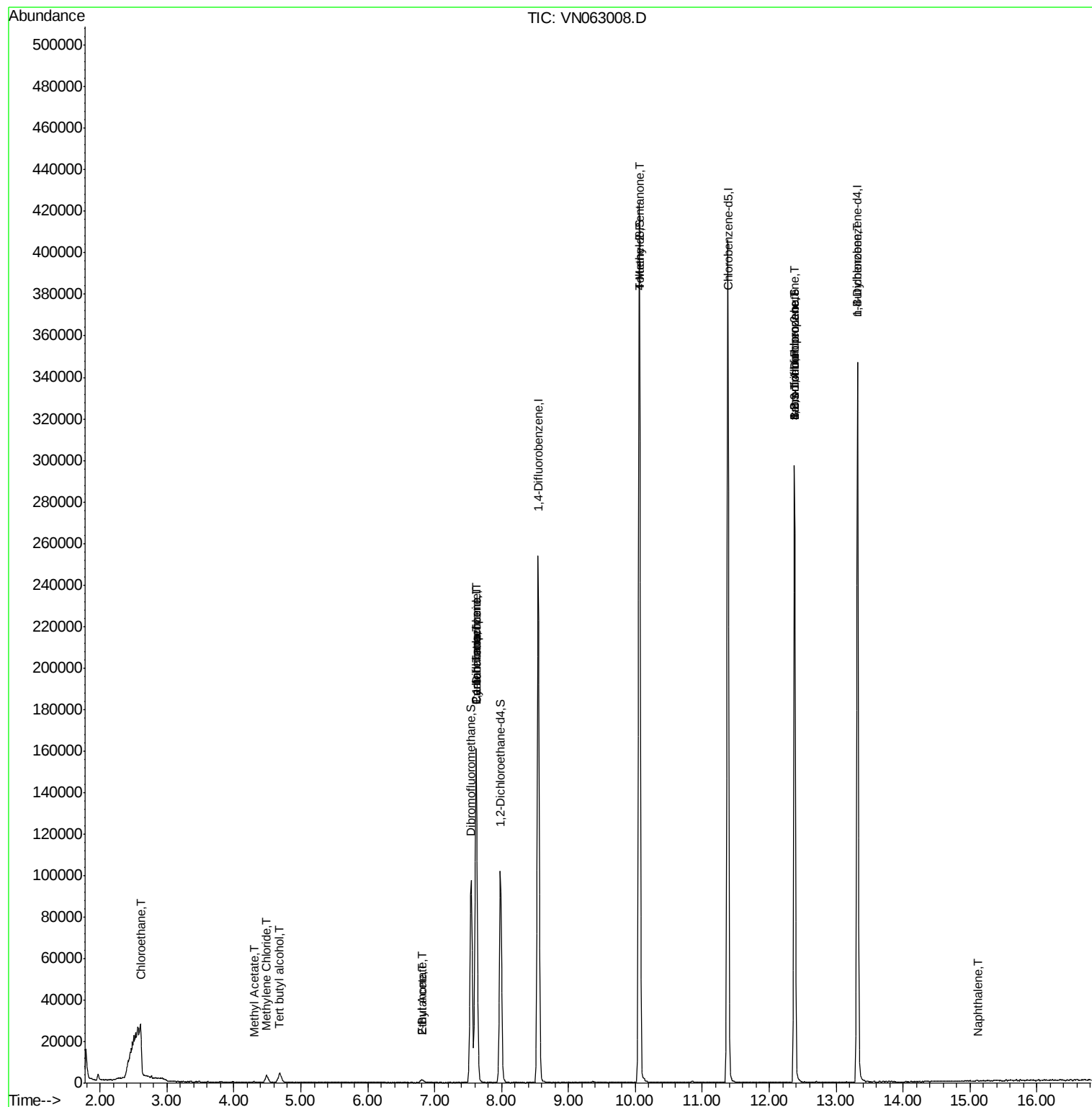
Target Compounds					Qvalue	
6) Chloroethane	2.60	64	232	0.210	ug/l #	43
11) Tert butyl alcohol	4.68	59	4704	19.897	ug/l #	74
16) Acetone	3.81	43	312	Below Cal	#	40
18) Methyl Acetate	4.30	43	786	0.474	ug/l #	52
20) Methylene Chloride	4.49	84	2611	0.451	ug/l	89
25) 2-Butanone	6.81	43	2185	2.466	ug/l	98
31) Cyclohexane	7.62	56	2588	1.052	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	9949	4.858	ug/l #	48
37) Ethyl Acetate	6.81	43	2185	1.139	ug/l #	68
38) Carbon Tetrachloride	7.62	117	12746	6.164	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1157	0.576	ug/l #	1
71) Bromoform	12.38	173	976	0.645	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50524	26.482	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50524	72.730	ug/l #	15
89) n-Butylbenzene	13.32	91	140	2.795	ug/l #	34
95) Naphthalene	15.12	128	208	5.689	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063008.D

Acq: 19 Aug 2020 13:02

Instrument :

MSVOA_N

ClientSampleId :

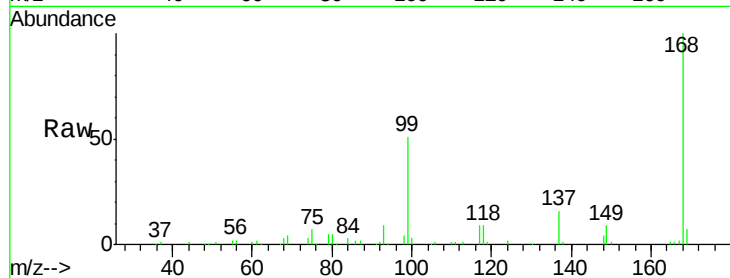
TB-01-081420

Tgt Ion:168 Resp: 140829

Ion Ratio Lower Upper

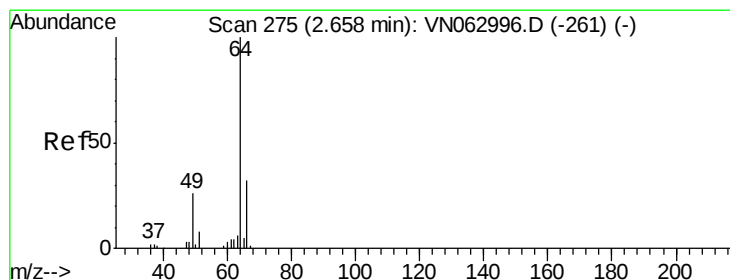
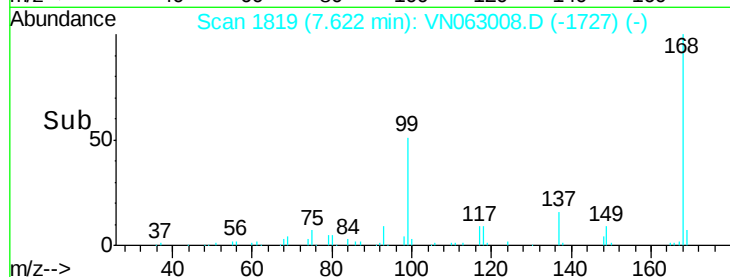
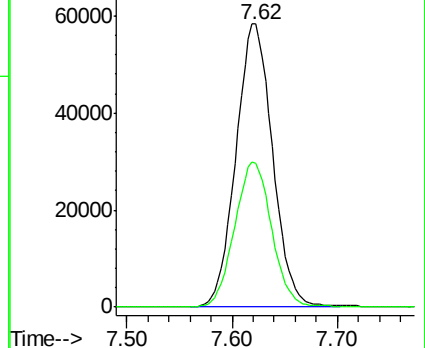
168 100

99 50.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#6

Chloroethane

Concen: 0.210 ug/l

RT: 2.60 min Scan# 258

Delta R.T. -0.05 min

Lab File: VN063008.D

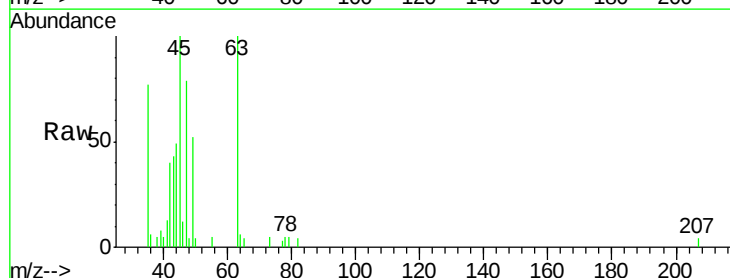
Acq: 19 Aug 2020 13:02

Tgt Ion: 64 Resp: 232

Ion Ratio Lower Upper

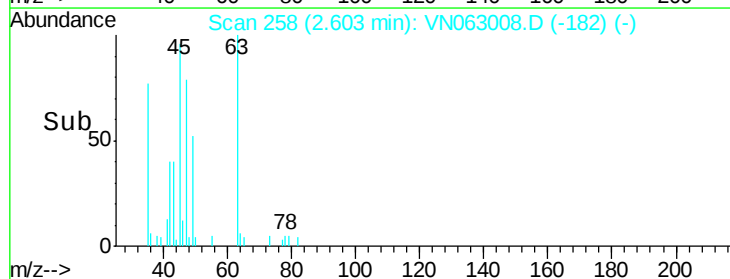
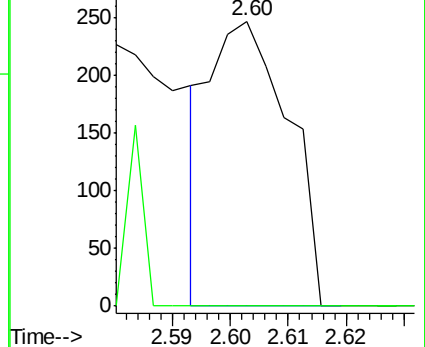
64 100

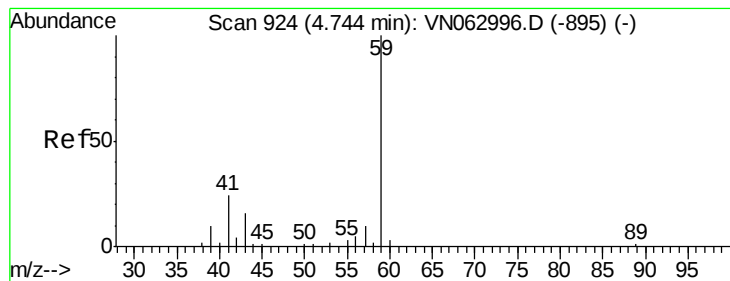
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#11

Tert butyl alcohol

Concen: 19.897 ug/l

RT: 4.68 min Scan# 904

Delta R.T. -0.06 min

Lab File: VN063008.D

Acq: 19 Aug 2020 13:02

Instrument :

MSVOA_N

ClientSampleId :

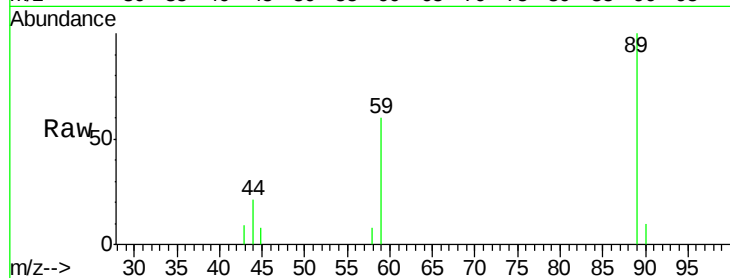
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Tgt Ion: 59 Resp: 4704

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN063008.D (-831) (-)

Ion 57.00 (56.70 to 57.70): VN063008.D (-831) (-)

4.68

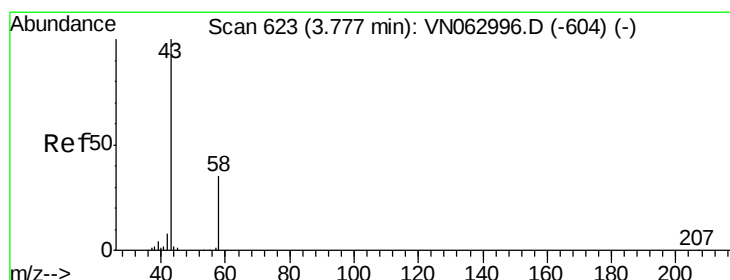
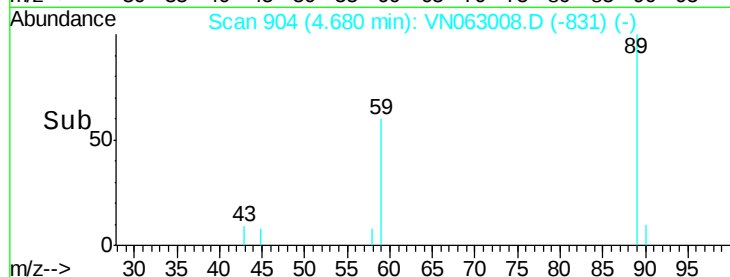
1500

1000

500

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 633

Delta R.T. 0.03 min

Lab File: VN063008.D

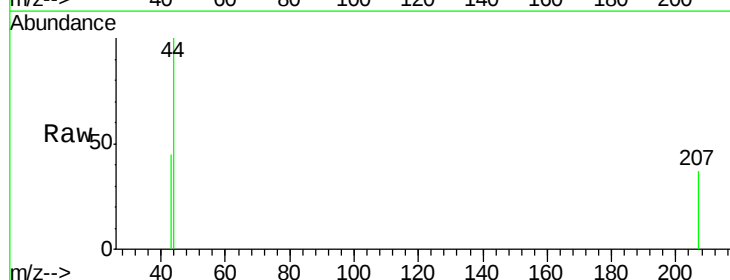
Acq: 19 Aug 2020 13:02

Tgt Ion: 43 Resp: 312

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063008.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN063008.D (-530) (-)

3.81

200

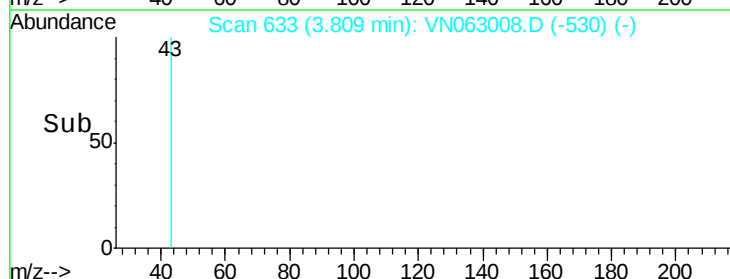
150

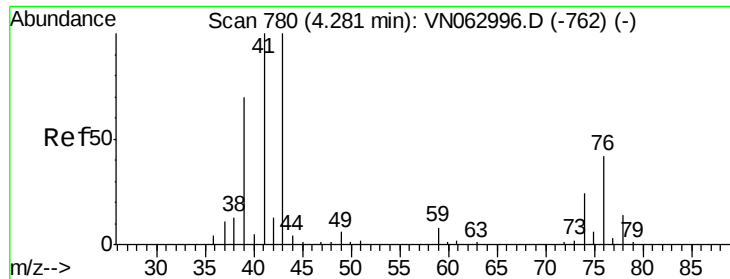
100

50

0

Time-->

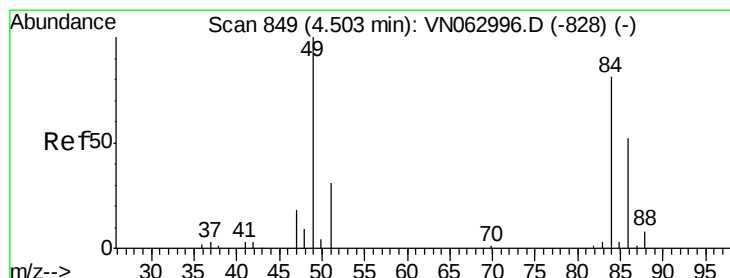
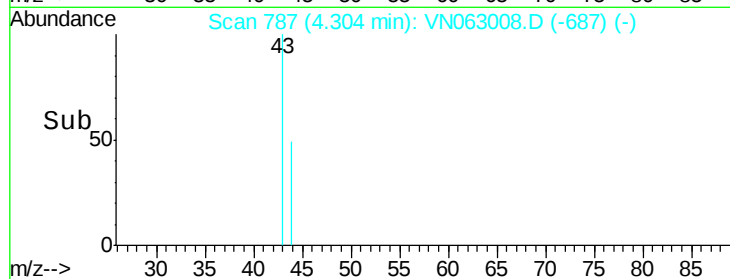
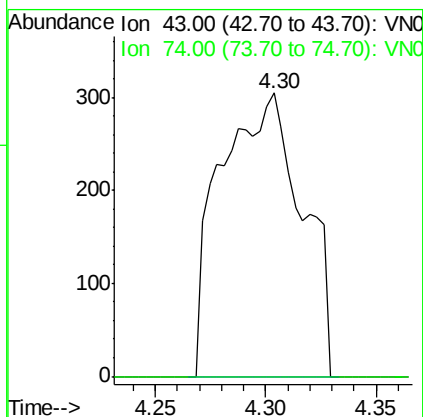
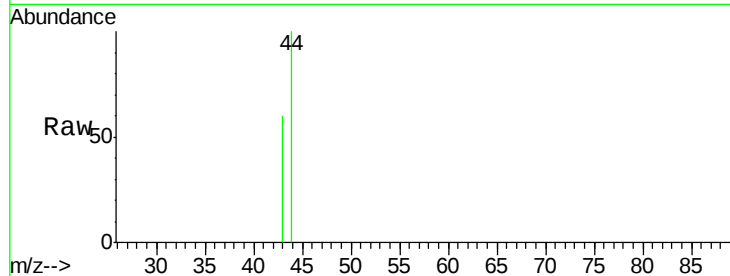




#18
Methyl Acetate
Concen: 0.474 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN063008.D
Acq: 19 Aug 2020 13:02

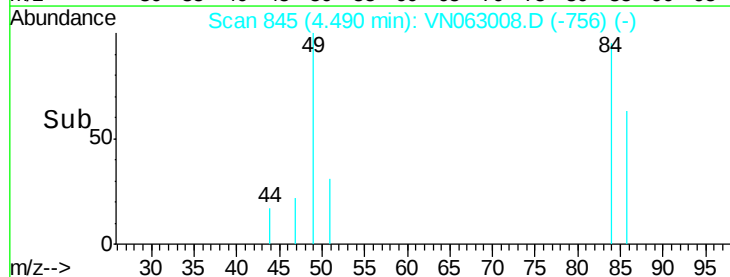
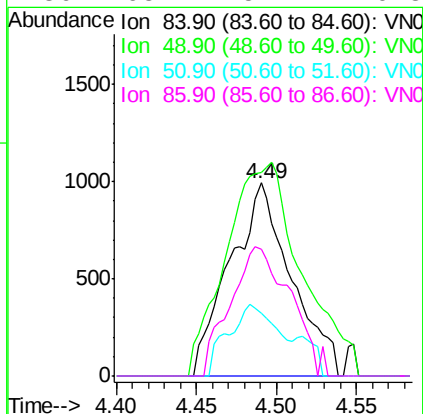
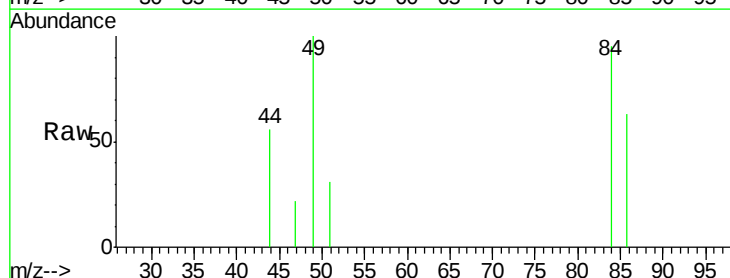
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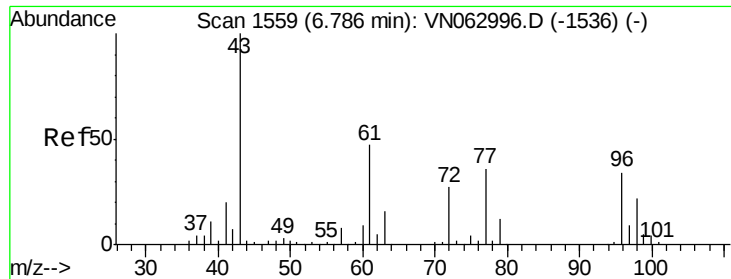
Tgt Ion: 43 Resp: 786
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN063008.D
Acq: 19 Aug 2020 13:02

Tgt Ion: 84 Resp: 2611
Ion Ratio Lower Upper
84 100
49 105.0 98.7 148.1
51 32.4 30.8 46.2
86 65.7 51.2 76.8

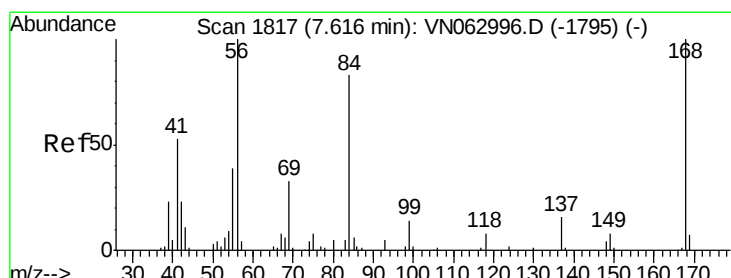
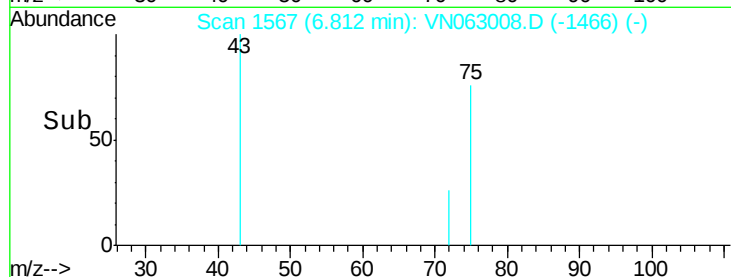
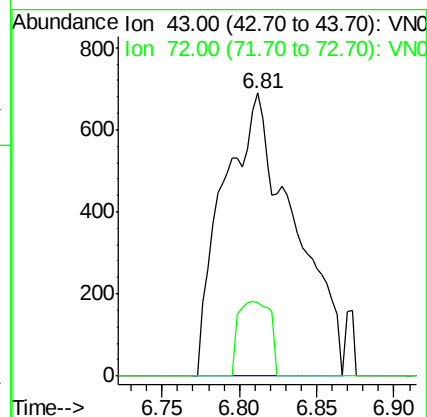
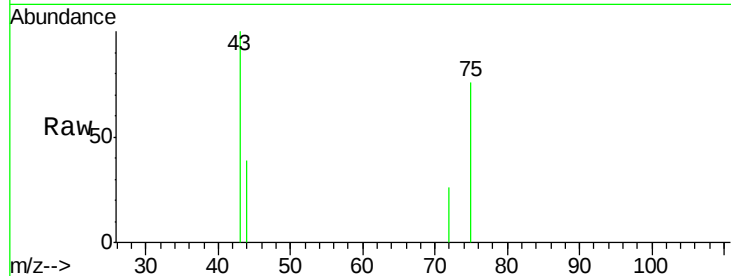




#25
2-Butanone
Concen: 2.466 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.03 min
Lab File: VN063008.D
Acq: 19 Aug 2020 13:02

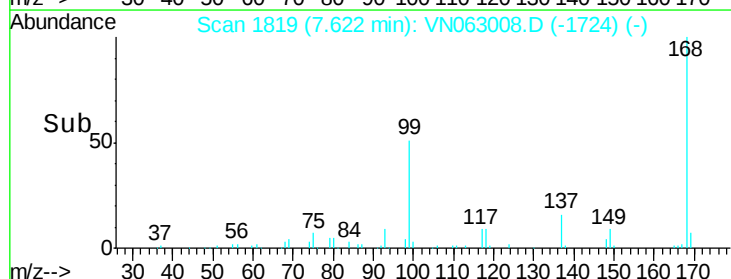
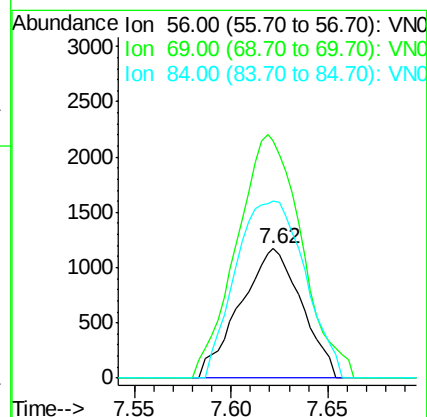
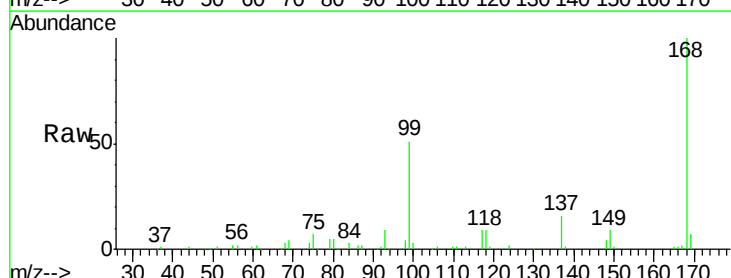
Instrument :
MSVOA_N
ClientSampleId :
TB-01-081420

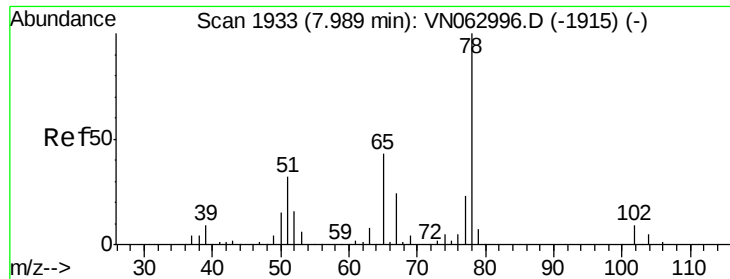
Tgt Ion: 43 Resp: 2185
Ion Ratio Lower Upper
43 100
72 26.1 21.8 32.6



#31
Cyclohexane
Concen: 1.052 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN063008.D
Acq: 19 Aug 2020 13:02

Tgt Ion: 56 Resp: 2588
Ion Ratio Lower Upper
56 100
69 183.4 26.6 40.0#
84 137.1 66.4 99.6#

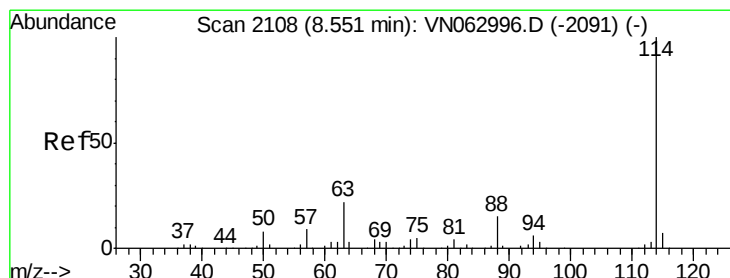
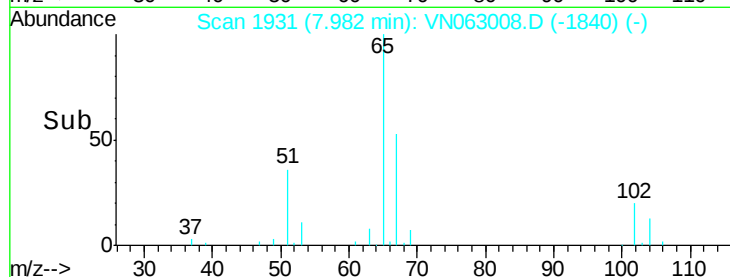
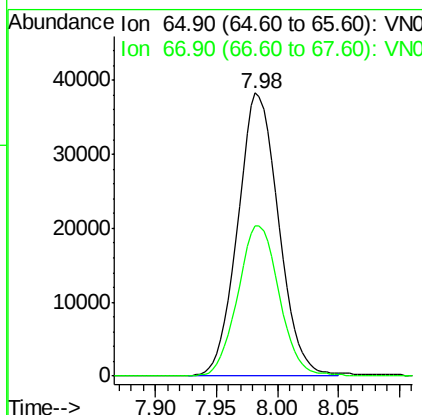
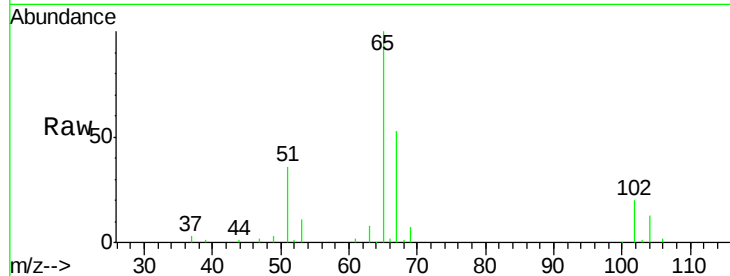




#33
 1,2-Dichloroethane-d4
 Concen: 53.194 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

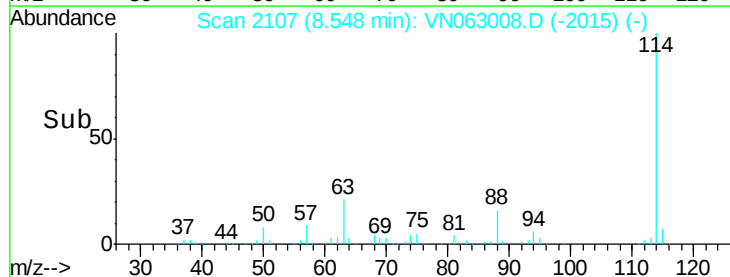
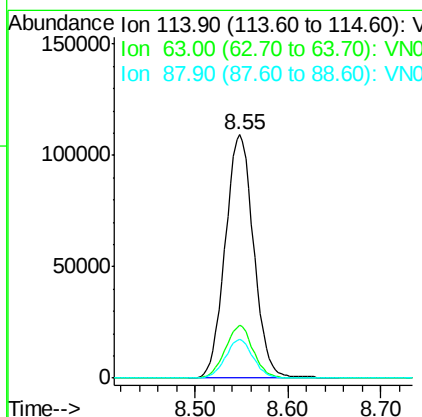
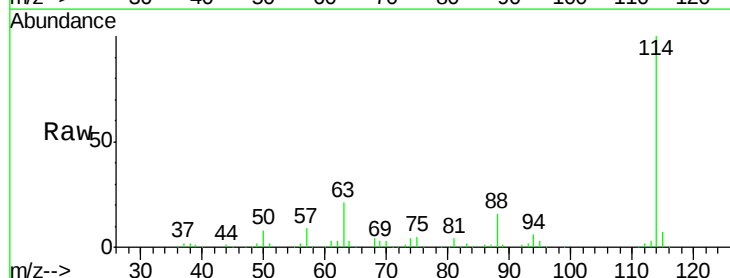
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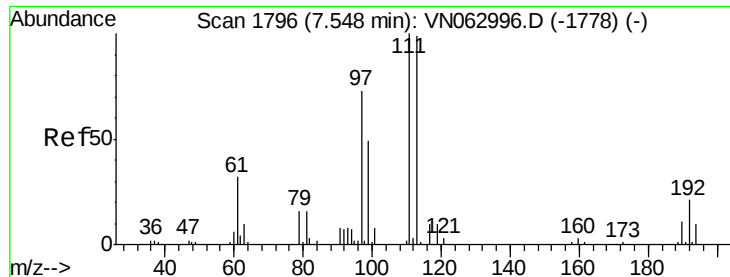
Tgt Ion: 65 Resp: 88785
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

Tgt Ion: 114 Resp: 232409
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 15.8 0.0 30.6

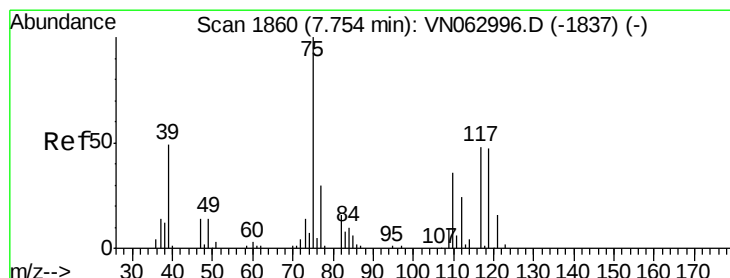
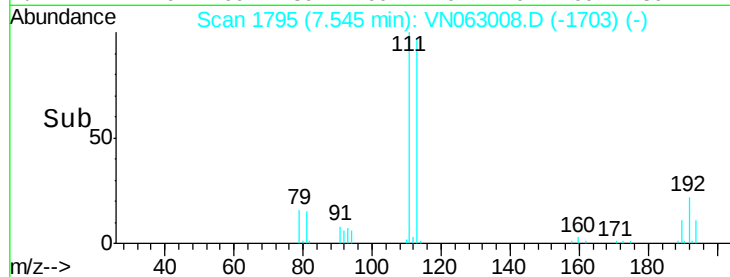
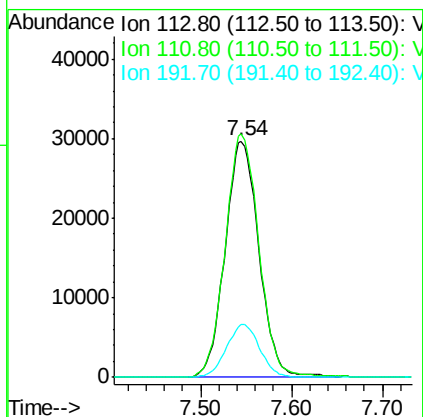
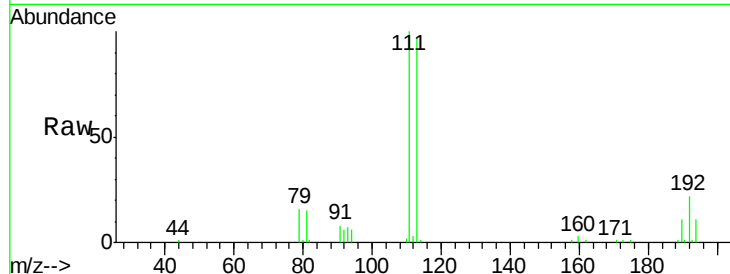




#35
 Dibromofluoromethane
 Concen: 50.641 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

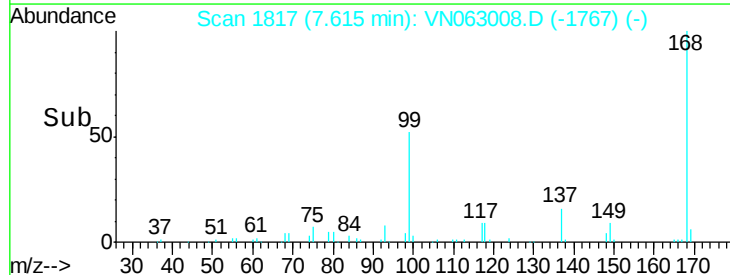
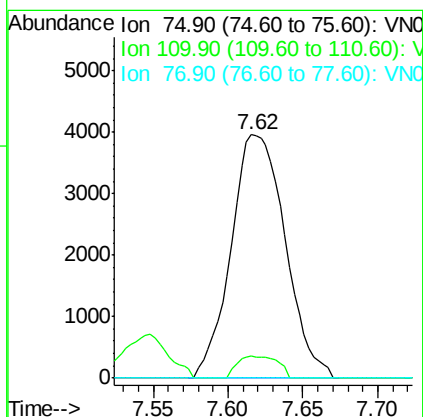
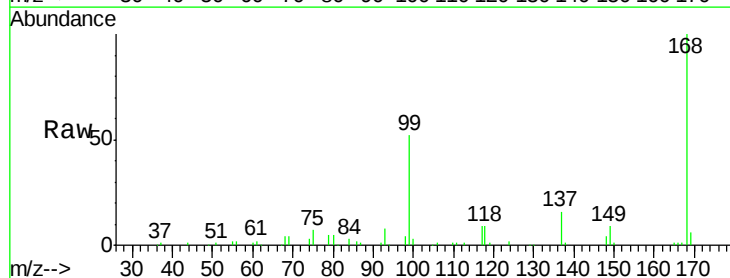
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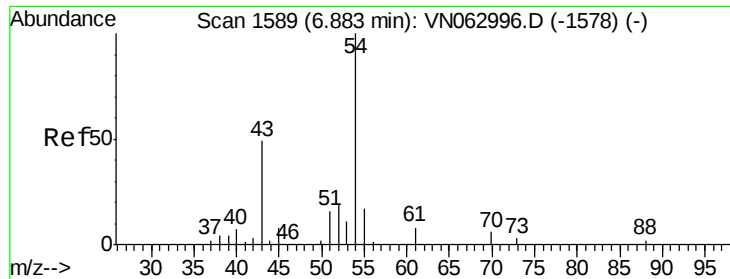
Tgt Ion:113 Resp: 76689
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.7 122.5
 192 21.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.858 ug/l
 RT: 7.62 min Scan# 1817
 Delta R.T. -0.14 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

Tgt Ion: 75 Resp: 9949
 Ion Ratio Lower Upper
 75 100
 110 6.7 17.5 52.6#
 77 0.0 24.2 36.4#

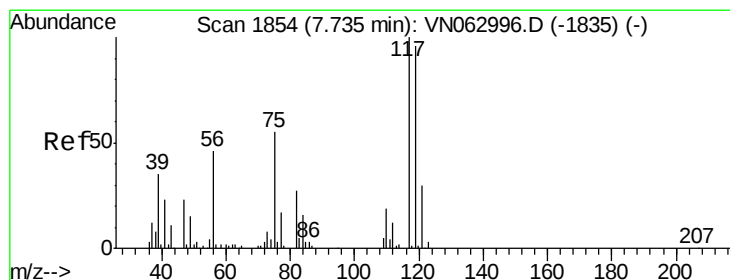
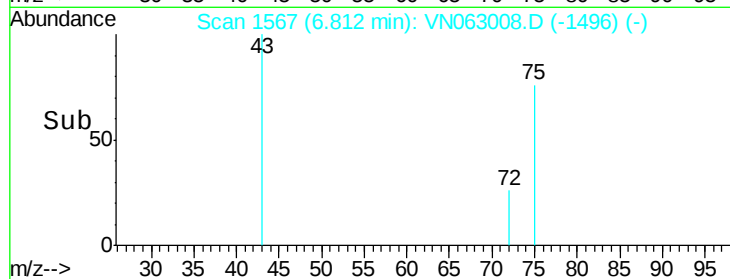
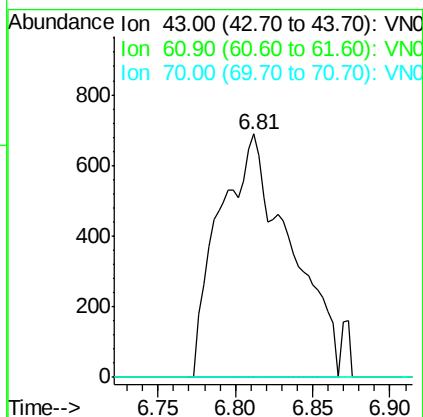
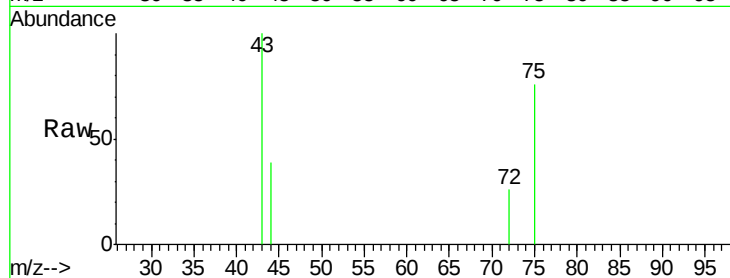




#37
 Ethyl Acetate
 Concen: 1.139 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.07 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

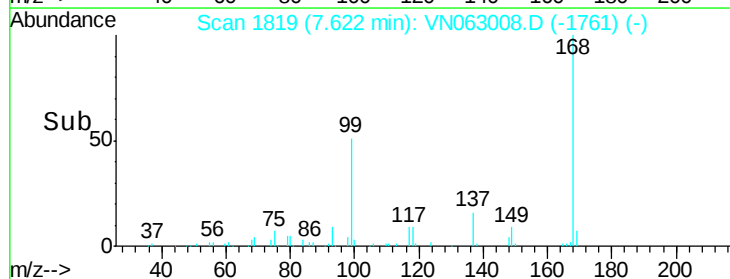
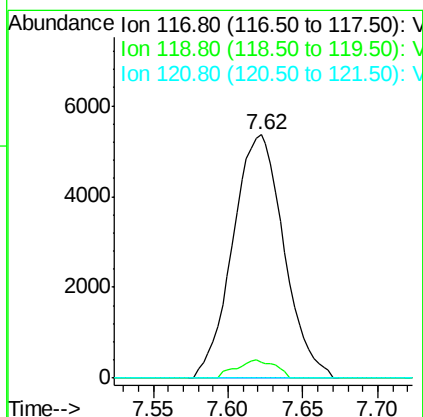
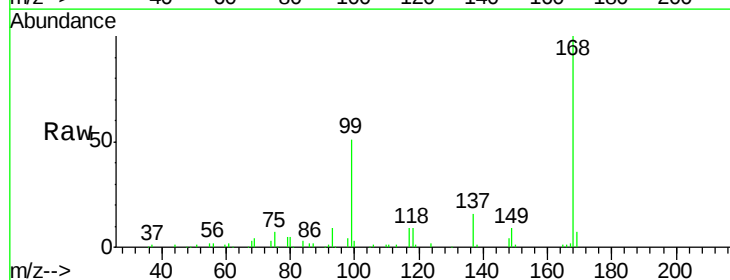
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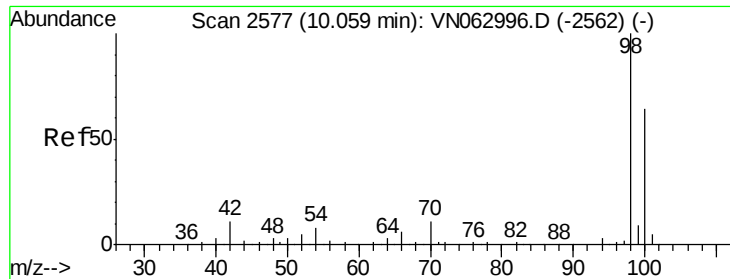
Tgt Ion: 43 Resp: 2185
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.8 17.8#
 70 0.0 8.2 12.2#



#38
 Carbon Tetrachloride
 Concen: 6.164 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

Tgt Ion: 117 Resp: 12746
 Ion Ratio Lower Upper
 117 100
 119 6.7 76.2 114.4#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.629 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063008.D

Acq: 19 Aug 2020 13:02

Instrument :

MSVOA_N

ClientSampleId :

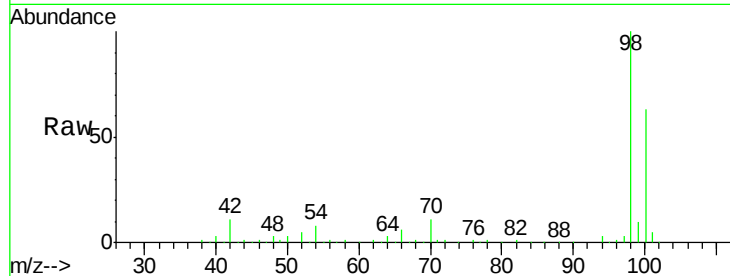
TB-01-081420

Tgt Ion: 98 Resp: 300315

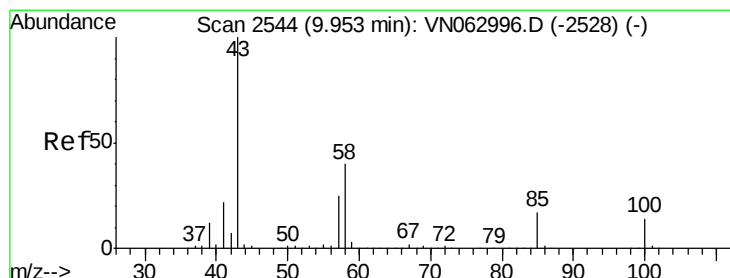
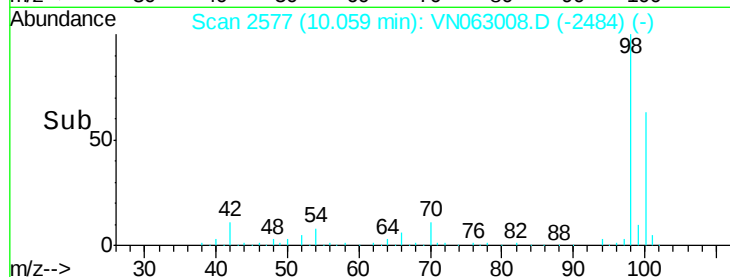
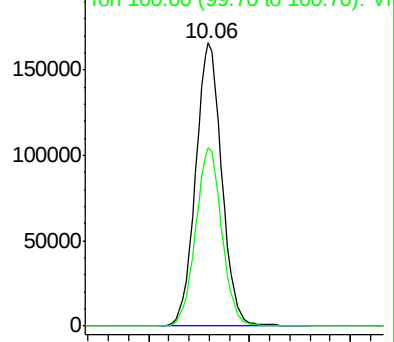
Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.576 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN063008.D

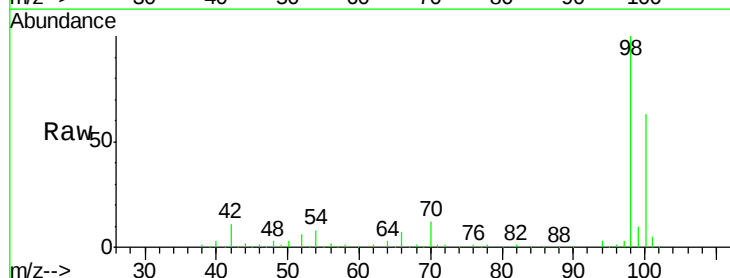
Acq: 19 Aug 2020 13:02

Tgt Ion: 43 Resp: 1157

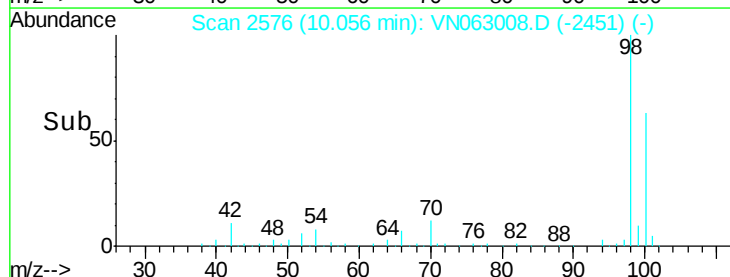
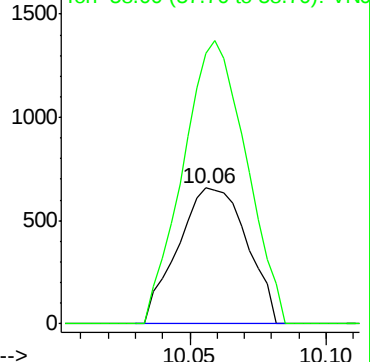
Ion Ratio Lower Upper

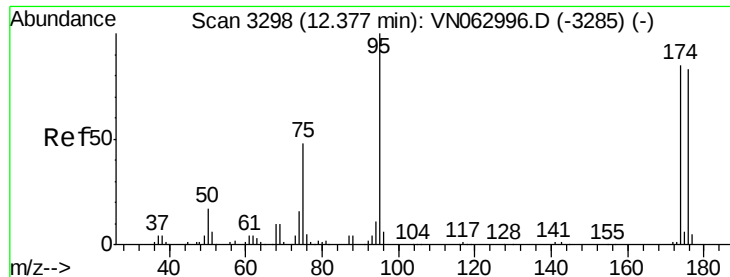
43 100

58 190.8 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)





#62

4-Bromofluorobenzene

Concen: 51.101 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063008.D

Acq: 19 Aug 2020 13:02

Instrument :

MSVOA_N

ClientSampleId :

TB-01-081420

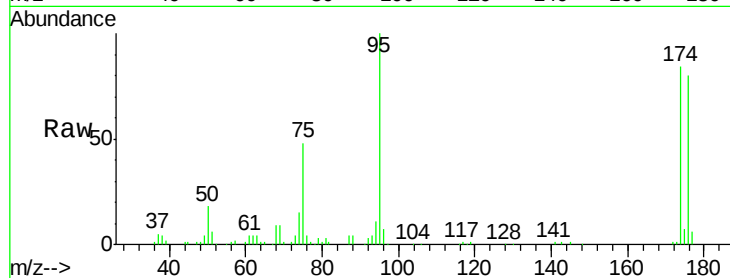
Tgt Ion: 95 Resp: 104893

Ion Ratio Lower Upper

95 100

174 86.5 0.0 170.8

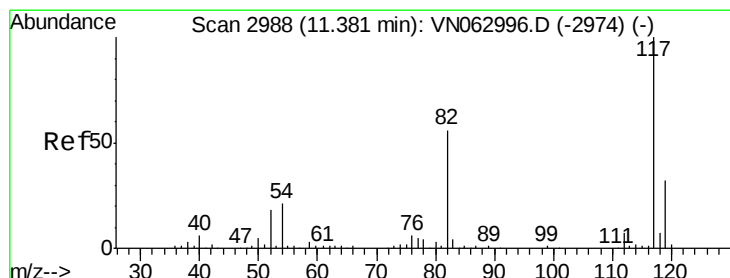
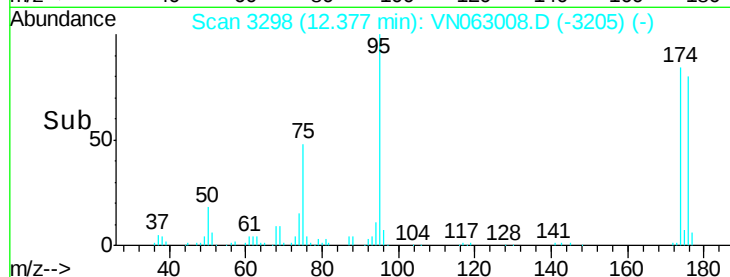
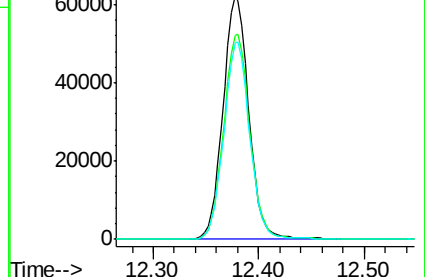
176 81.4 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063008.D

Acq: 19 Aug 2020 13:02

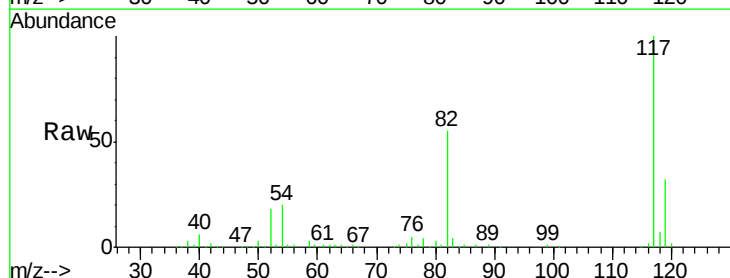
Tgt Ion: 117 Resp: 243393

Ion Ratio Lower Upper

117 100

82 55.4 44.5 66.7

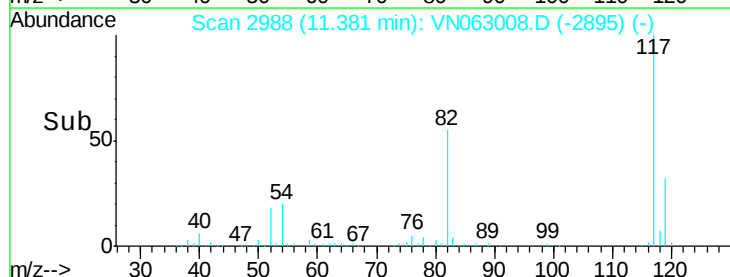
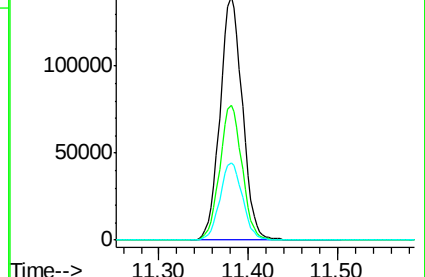
119 31.9 25.5 38.3

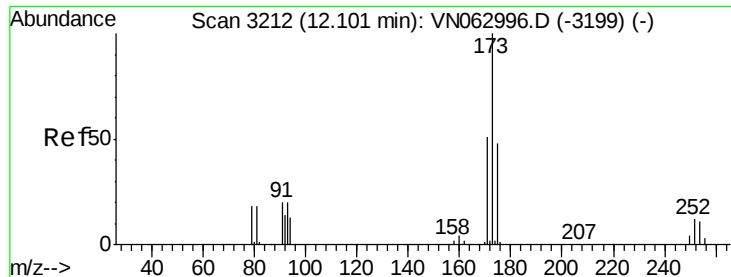


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#71

Bromoform

Concen: 0.645 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063008.D

Acq: 19 Aug 2020 13:02

Instrument :

MSVOA_N

ClientSampleId :

TB-01-081420

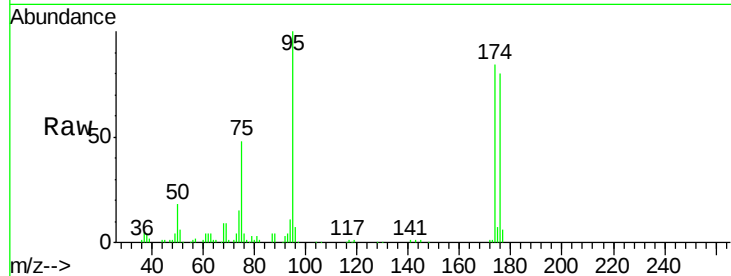
Tgt Ion:173 Resp: 976

Ion Ratio Lower Upper

173 100

175 571.4 24.3 72.8#

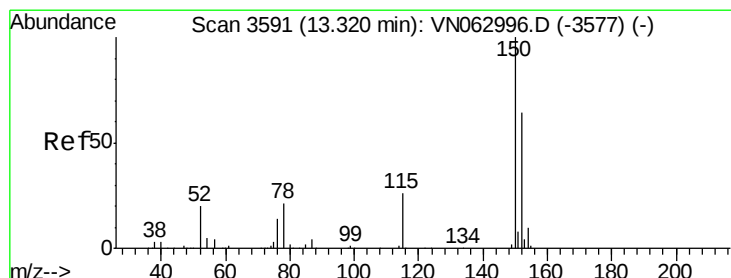
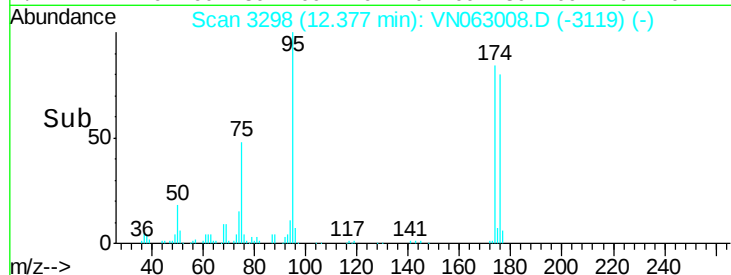
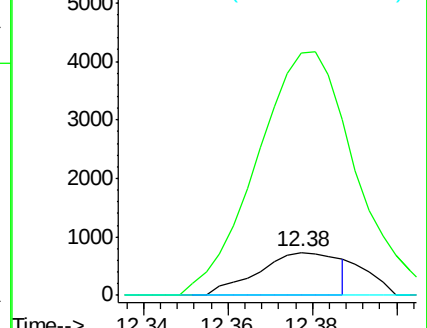
254 0.0 0.0 0.0



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: VN063008.D

Acq: 19 Aug 2020 13:02

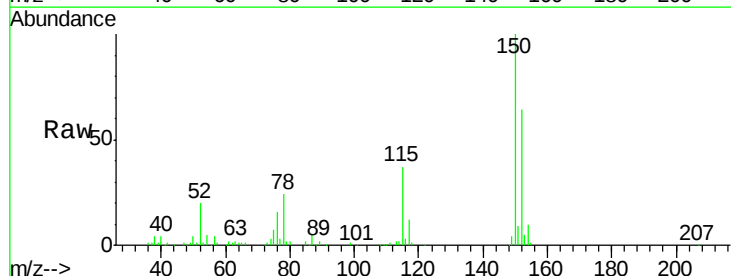
Tgt Ion:152 Resp: 98154

Ion Ratio Lower Upper

152 100

115 58.3 28.7 86.3

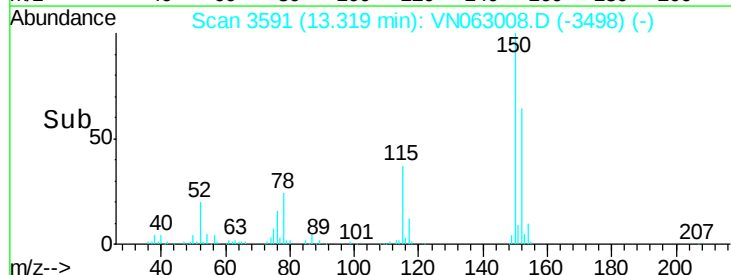
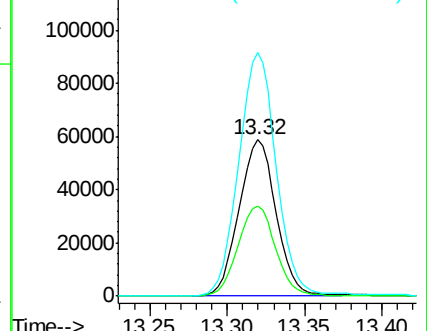
150 158.9 0.0 348.8

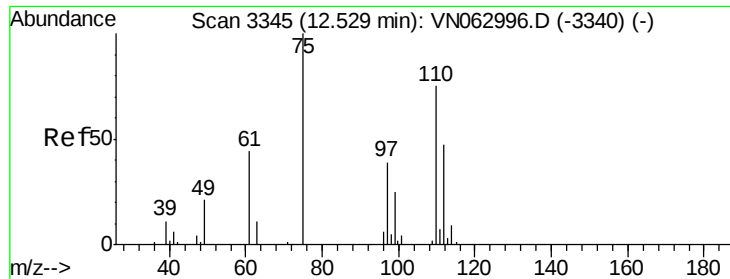


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

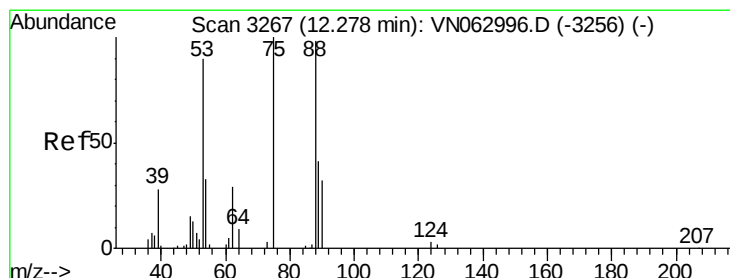
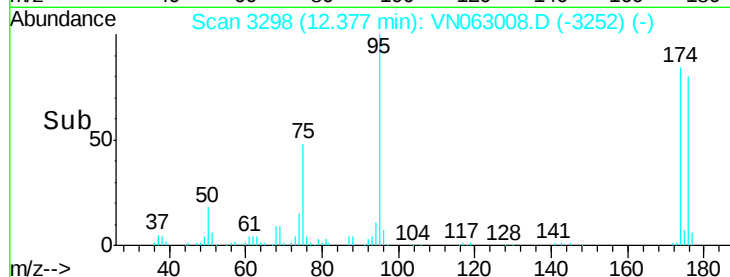
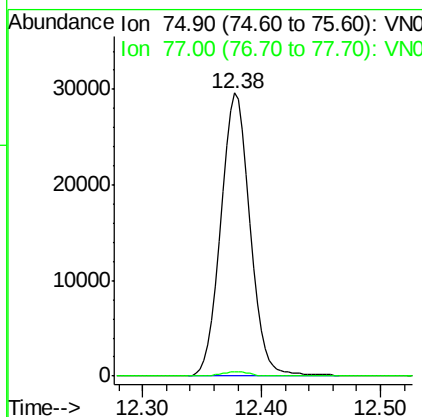
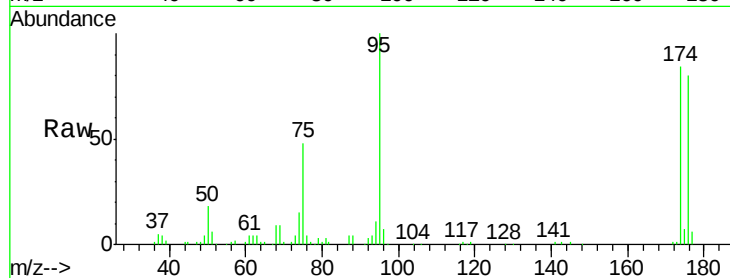




#76
 1,2,3-Trichloropropane
 Concen: 26.482 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

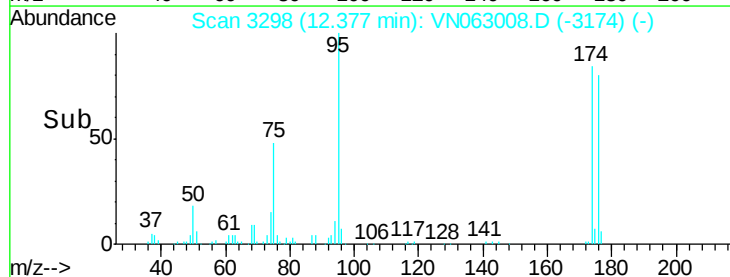
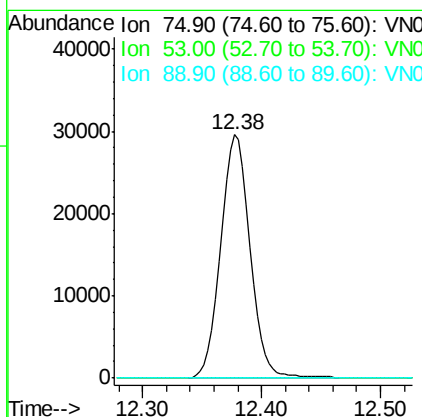
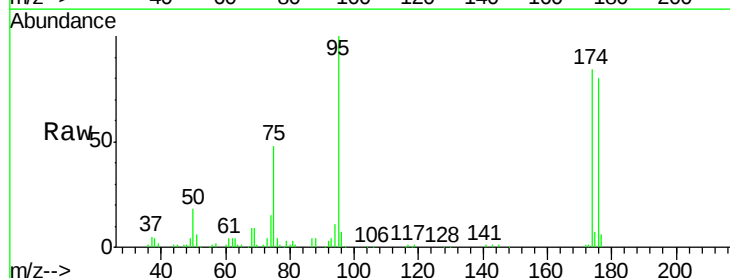
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-081420

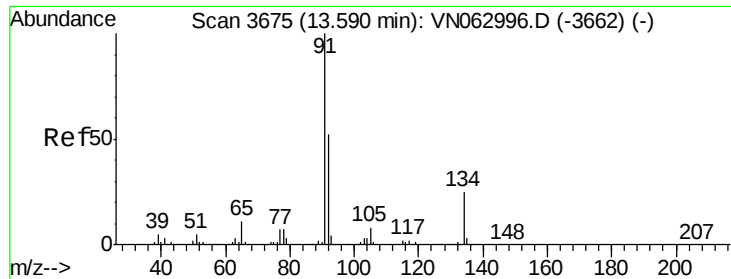
Tgt Ion: 75 Resp: 50524
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.730 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063008.D
 Acq: 19 Aug 2020 13:02

Tgt Ion: 75 Resp: 50524
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.2 103.8#
 89 0.0 34.2 51.4#

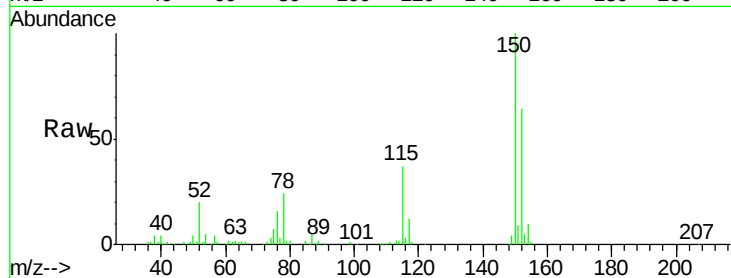




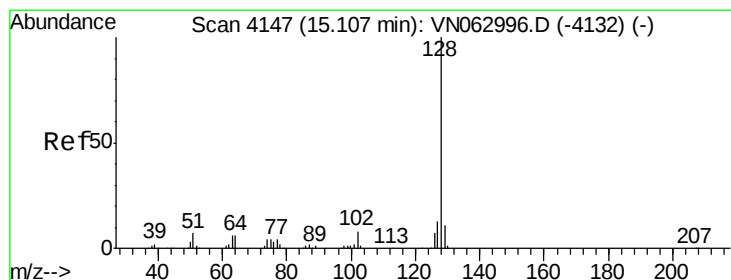
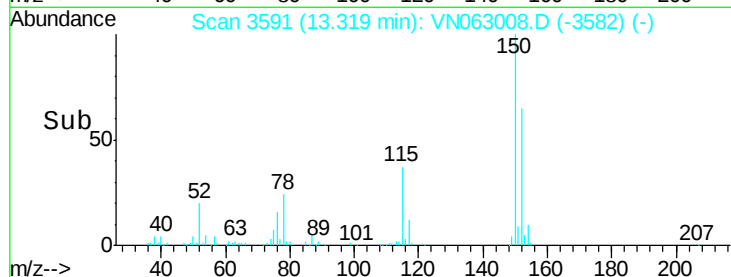
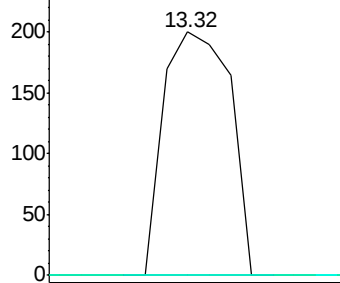
#89
n-Butylbenzene
Concen: 2.795 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.27 min
Lab File: VN063008.D
Acq: 19 Aug 2020 13:02

Instrument :
MSVOA_N
ClientSampleId :
TB-01-081420

Tgt Ion: 91 Resp: 140
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.6#
134 0.0 12.4 37.0#

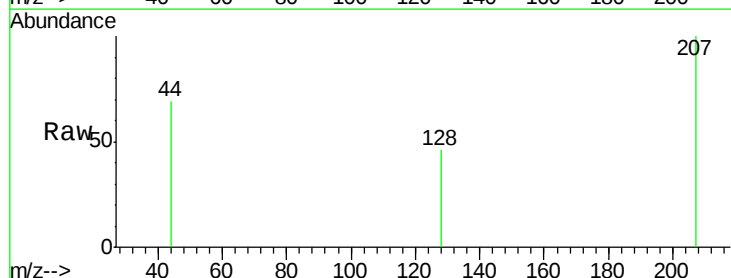


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): VN0



#95
Naphthalene
Concen: 5.689 ug/l
RT: 15.12 min Scan# 4150
Delta R.T. 0.01 min
Lab File: VN063008.D
Acq: 19 Aug 2020 13:02

Tgt Ion: 128 Resp: 208
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

