

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063106.D
 Acq On : 25 Aug 2020 11:40
 Operator : JC/MD
 Sample : VN0825WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0825WBL01

Quant Time: Aug 26 05:36:50 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	7.63	168	140024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101473	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	87812	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	7.55	113	77593	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.06	98	298088	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.38	95	106163	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	

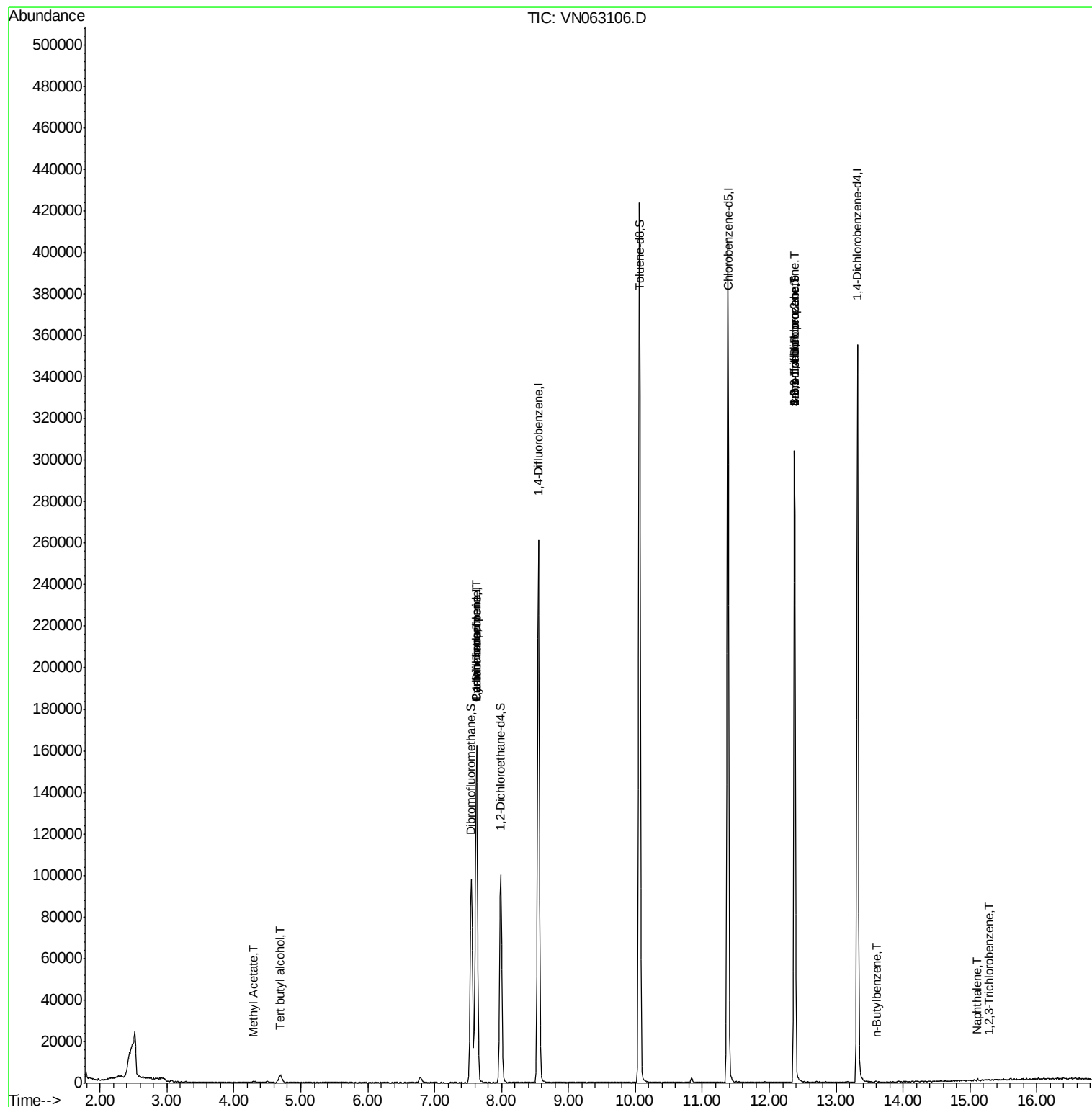
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	3791	16.127	ug/l #	74
18) Methyl Acetate	4.29	43	722	0.438	ug/l #	52
20) Methylene Chloride	4.50	84	500	Below Cal	#	54
31) Cyclohexane	7.63	56	2279	0.932	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	9792	4.705	ug/l #	47
38) Carbon Tetrachloride	7.63	117	12491	5.945	ug/l #	17
71) Bromoform	12.38	173	956	0.630	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52362	26.547	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52362	72.911	ug/l #	15
89) n-Butylbenzene	13.60	91	266	2.816	ug/l #	34
95) Naphthalene	15.11	128	350	5.719	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	59	3.997	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 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: VN063106.D

Acq: 25 Aug 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

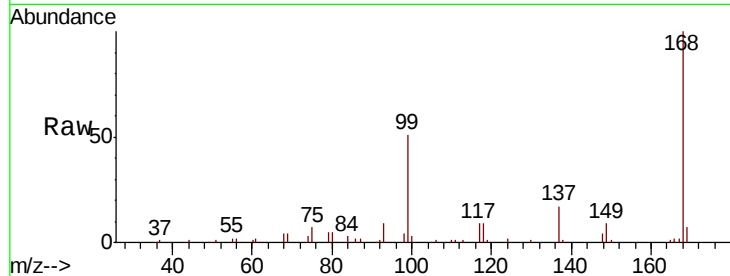
VN0825WBL01

Tot Ion:168 Resp: 140024

Ion Ratio Lower Upper

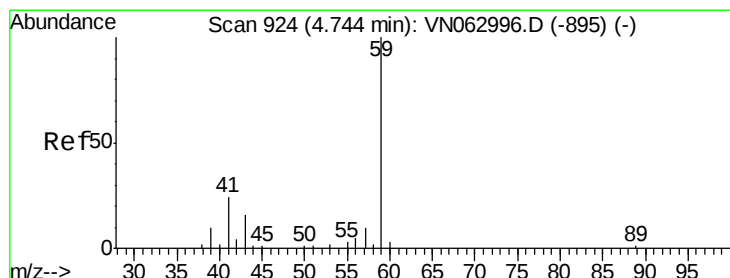
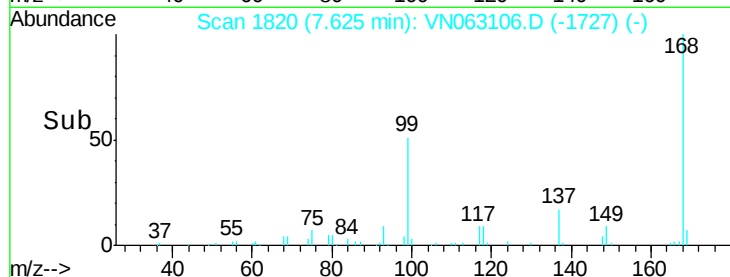
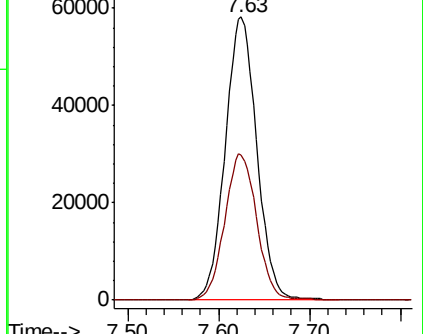
168 100

99 51.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 16.127 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.05 min

Lab File: VN063106.D

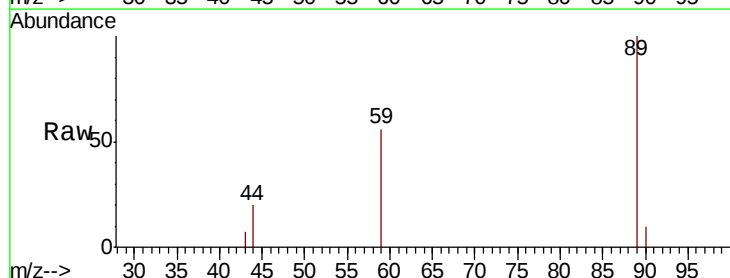
Acq: 25 Aug 2020 11:40

Tgt Ion: 59 Resp: 3791

Ion Ratio Lower Upper

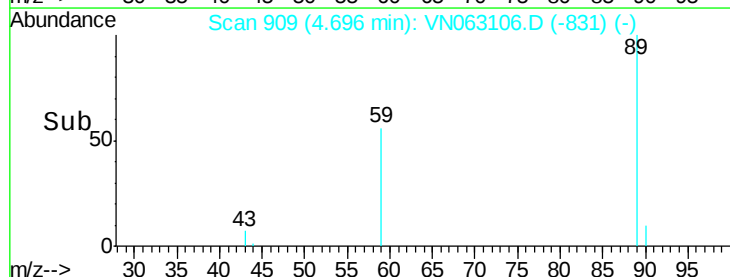
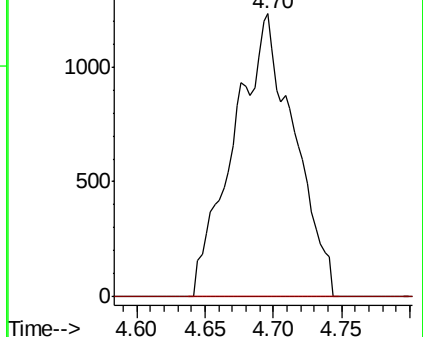
59 100

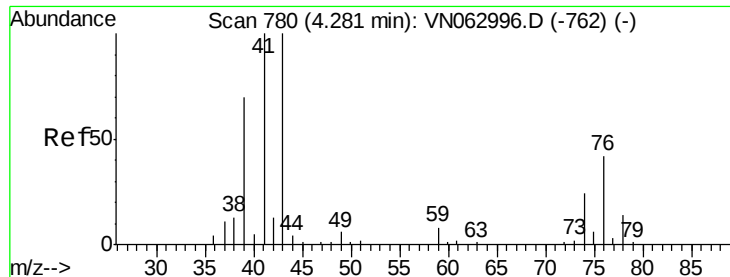
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

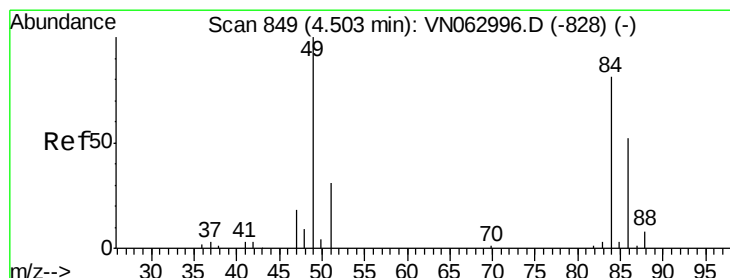
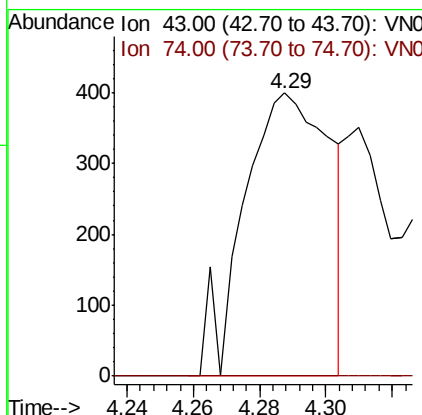
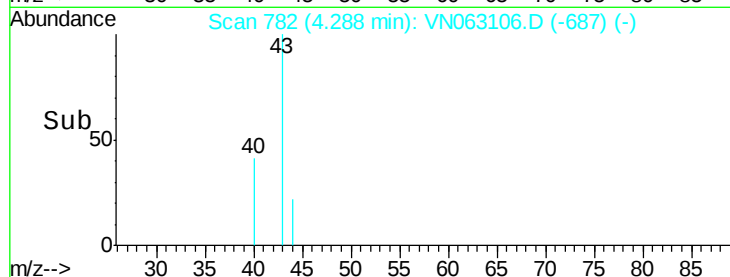
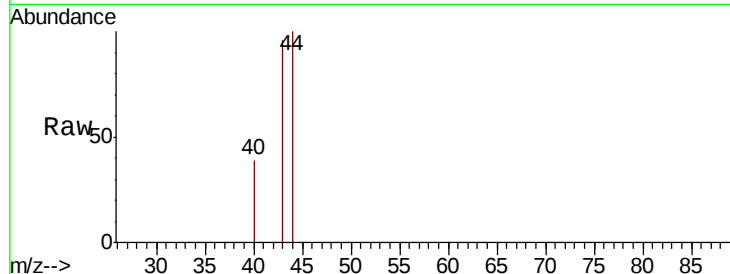




#18
Methyl Acetate
Concen: 0.438 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN063106.D
Acq: 25 Aug 2020 11:40

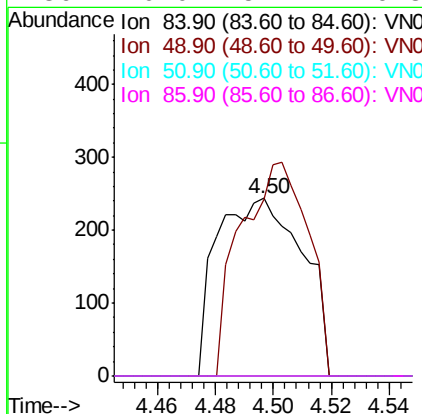
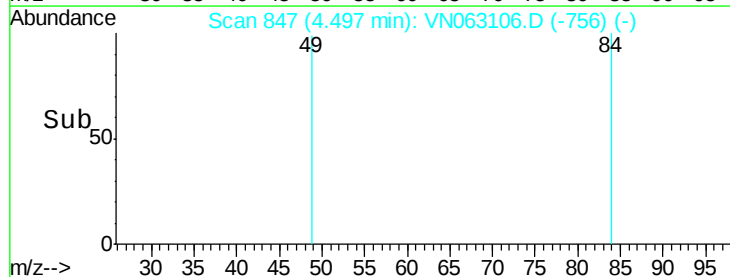
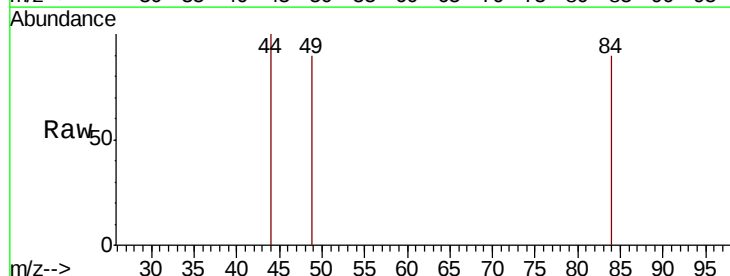
Instrument :
MSVOA_N
ClientSampled :
VN0825WBL01

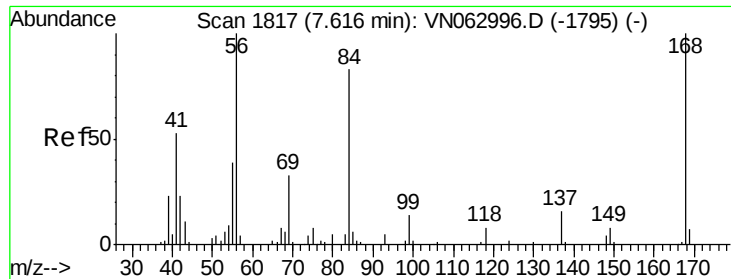
Tot Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN063106.D
Acq: 25 Aug 2020 11:40

Tgt Ion: 84 Resp: 500
Ion Ratio Lower Upper
84 100
49 99.2 98.7 148.1
51 0.0 30.8 46.2#
86 0.0 51.2 76.8#

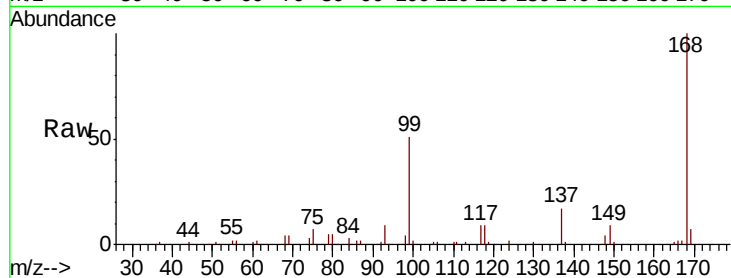




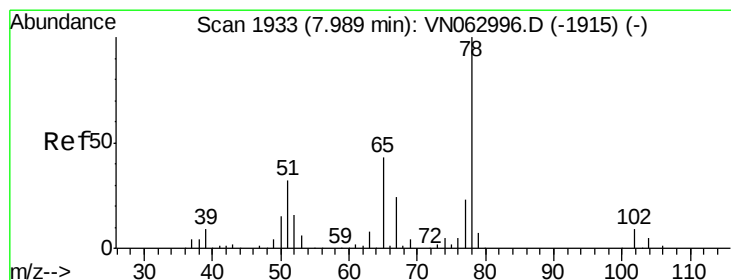
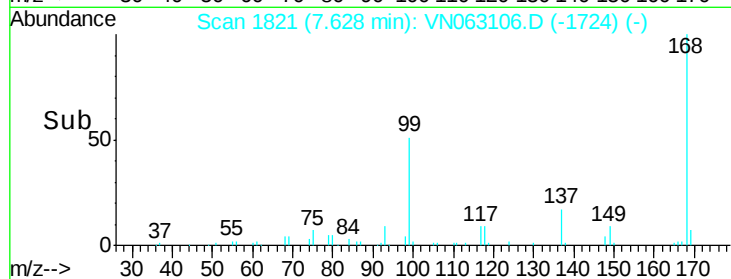
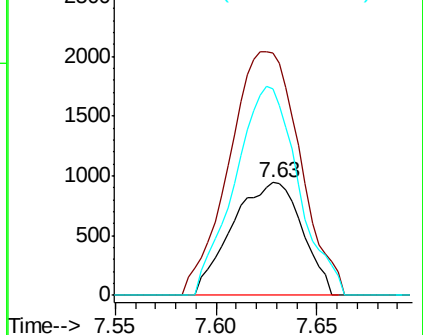
#31
Cyclohexane
Concen: 0.932 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.01 min
Lab File: VN063106.D
Acq: 25 Aug 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0825WBL01

Tot Ion: 56 Resp: 2279
Ion Ratio Lower Upper
56 100
69 197.8 26.6 40.0#
84 182.3 66.4 99.6#

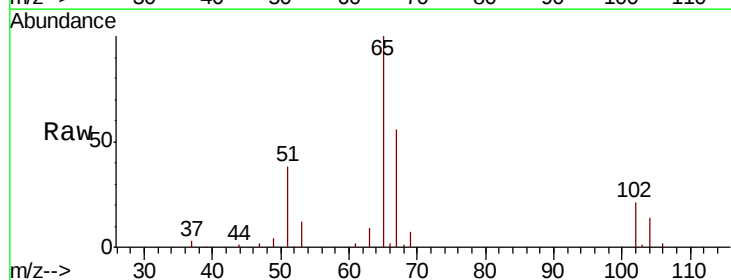


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

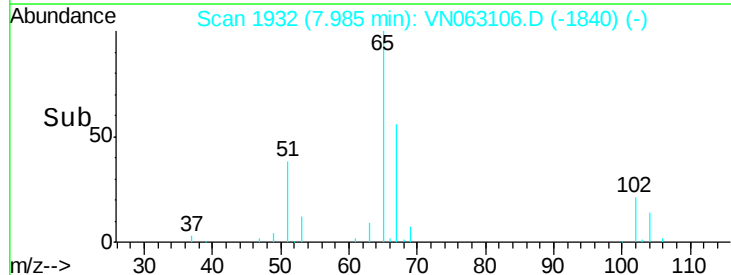
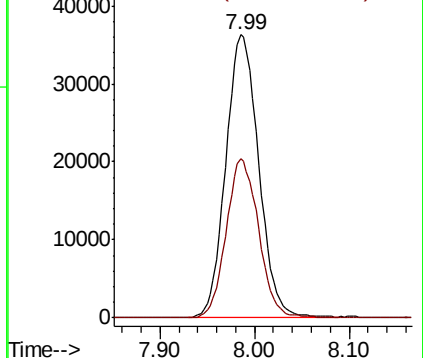


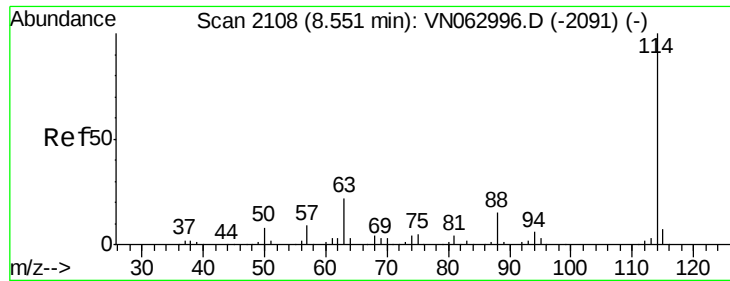
#33
1,2-Dichloroethane-d4
Concen: 52.913 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN063106.D
Acq: 25 Aug 2020 11:40

Tgt Ion: 65 Resp: 87812
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

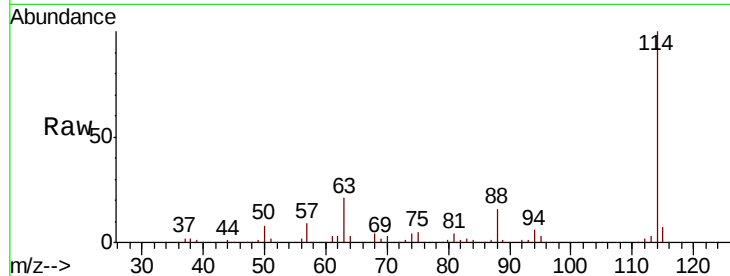




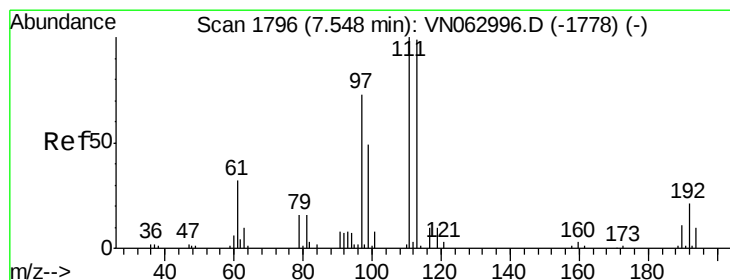
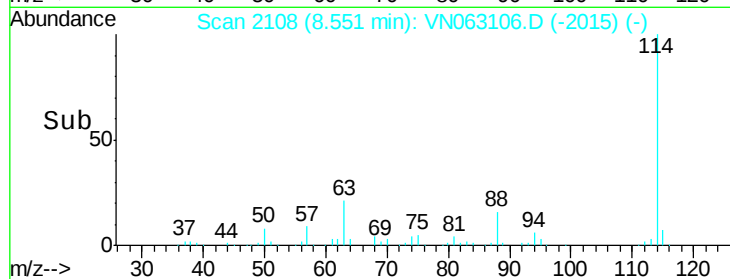
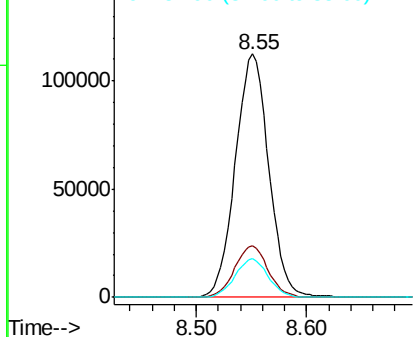
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063106.D
 Acq: 25 Aug 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0825WBL01

Tot Ion:114 Resp: 236164
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.9 0.0 30.6

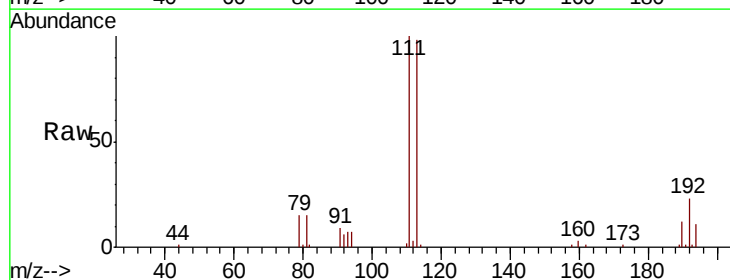


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

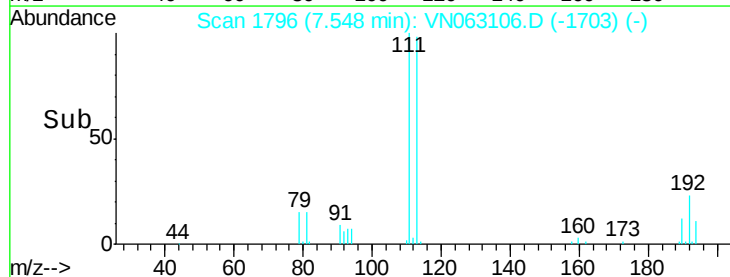
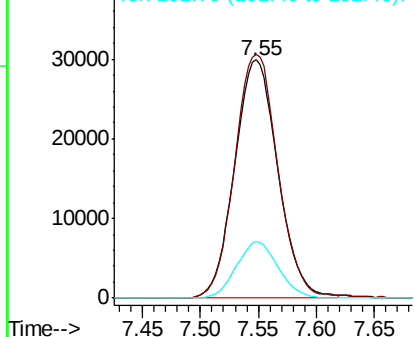


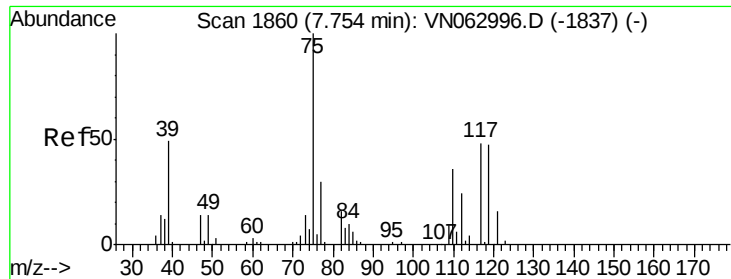
#35
 Dibromofluoromethane
 Concen: 50.423 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063106.D
 Acq: 25 Aug 2020 11:40

Tgt Ion:113 Resp: 77593
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 22.8 17.5 26.3



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

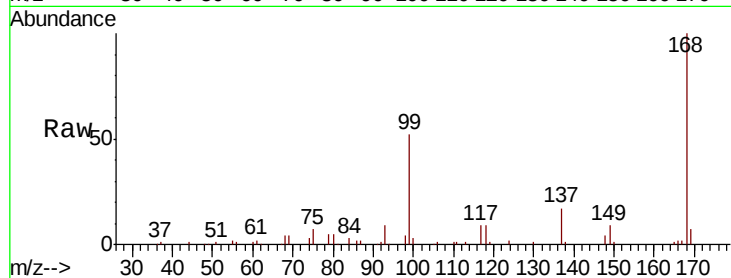




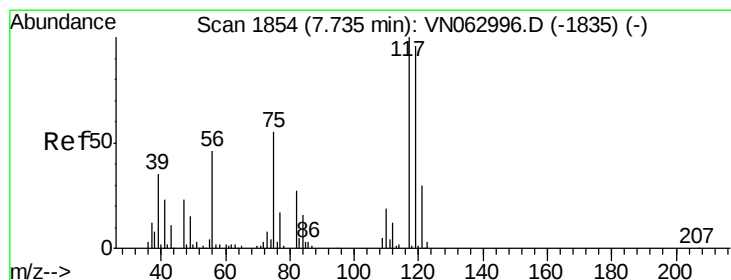
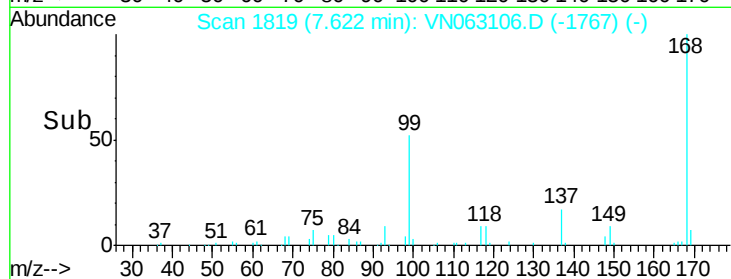
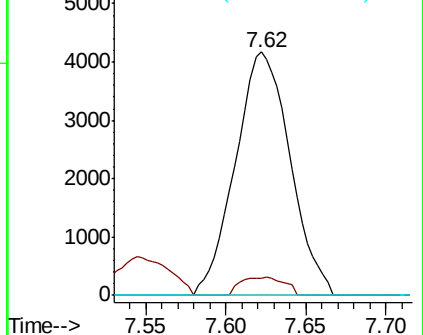
#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN063106.D
 Acq: 25 Aug 2020 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0825WBL01

Tot Ion: 75 Resp: 9792
 Ion Ratio Lower Upper
 75 100
 110 5.9 17.5 52.6#
 77 0.0 24.2 36.4#

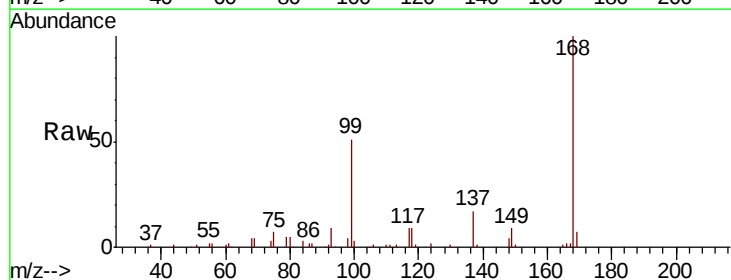


Abundance Ion 74.90 (74.60 to 75.60): VN063106.D (-1767) (-)
 Ion 109.90 (109.60 to 110.60): VN063106.D (-1767) (-)
 Ion 76.90 (76.60 to 77.60): VN063106.D (-1767) (-)

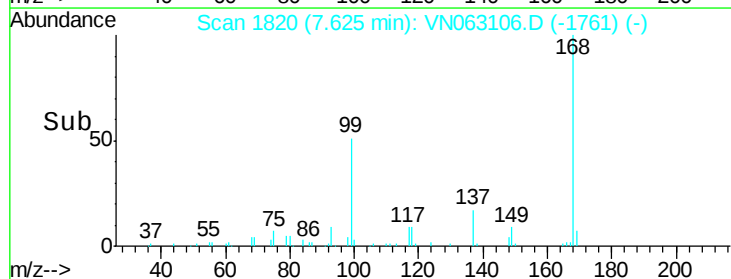
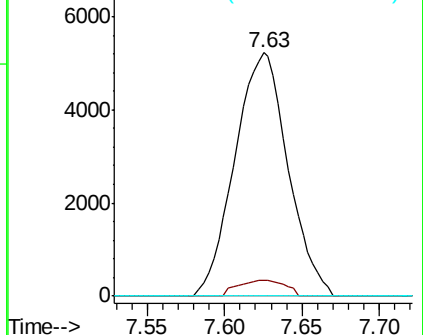


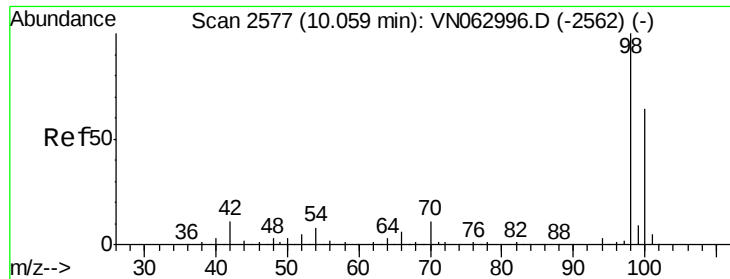
#38
 Carbon Tetrachloride
 Concen: 5.945 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063106.D
 Acq: 25 Aug 2020 11:40

Tgt Ion: 117 Resp: 12491
 Ion Ratio Lower Upper
 117 100
 119 6.6 76.2 114.4#
 121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN063106.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN063106.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN063106.D (-1761) (-)





#50

Toluene-d8

Concen: 50.432 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

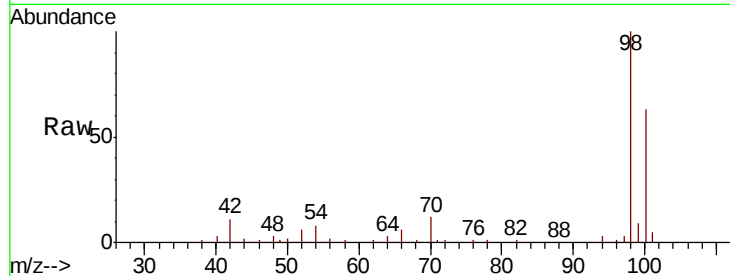
VN0825WBL01

Tot Ion: 98 Resp: 298088

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

150000

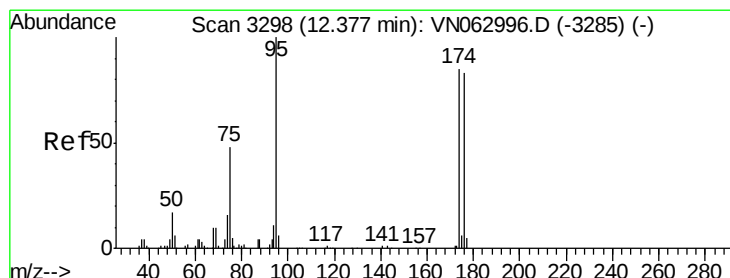
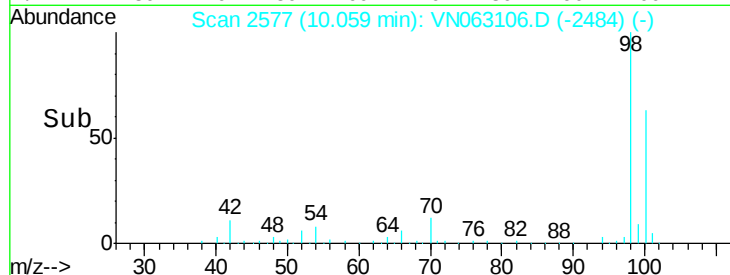
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50000

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Time-->

10.00 10.10



#62

4-Bromofluorobenzene

Concen: 50.898 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

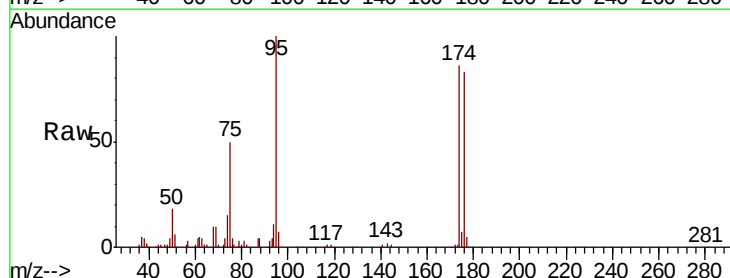
Tgt Ion: 95 Resp: 106163

Ion Ratio Lower Upper

95 100

174 86.7 0.0 170.8

176 84.0 0.0 164.8



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

12.38

80000

60000

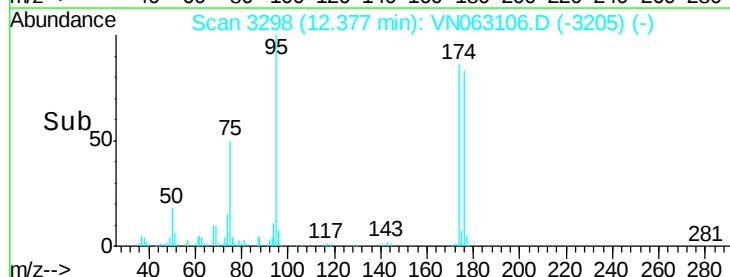
40000

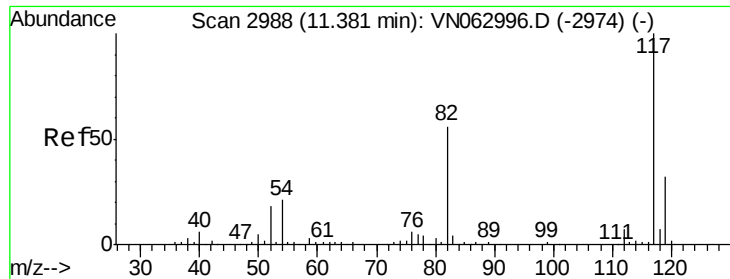
20000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0825WBL01

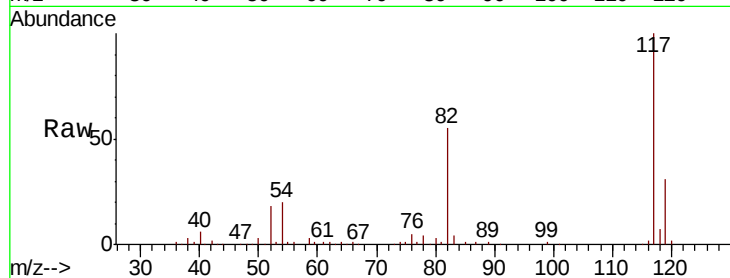
Tot Ion:117 Resp: 244070

Ion Ratio Lower Upper

117 100

82 54.9 44.5 66.7

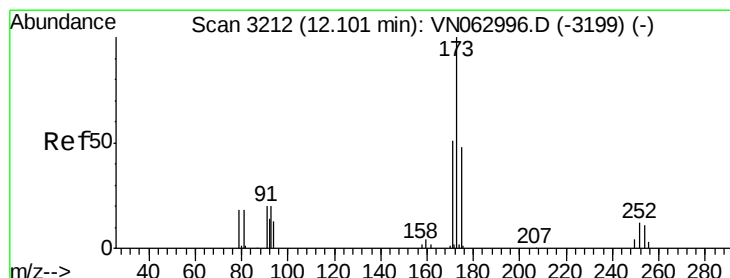
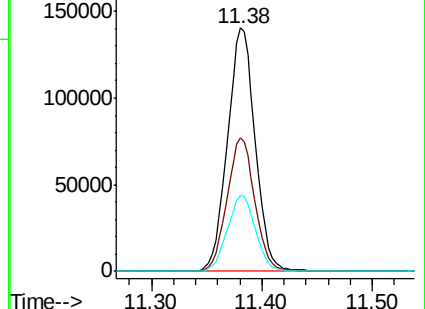
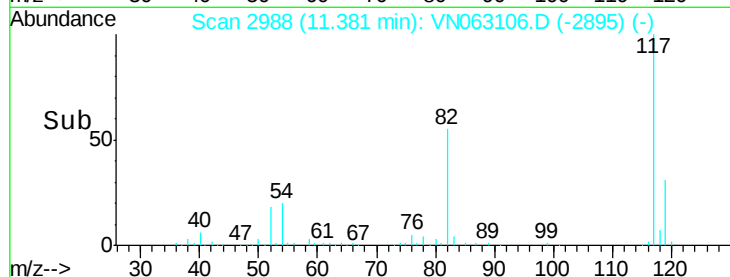
119 31.1 25.5 38.3



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: 0.630 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

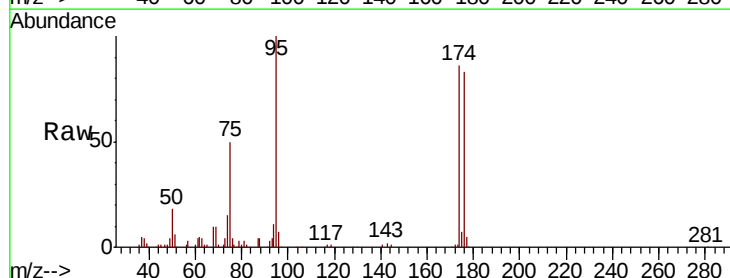
Tgt Ion:173 Resp: 956

Ion Ratio Lower Upper

173 100

175 589.4 24.3 72.8#

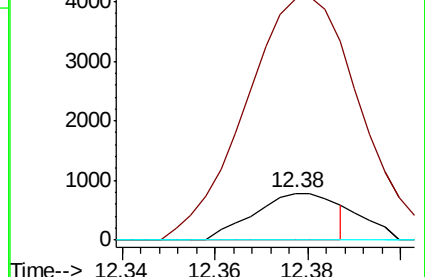
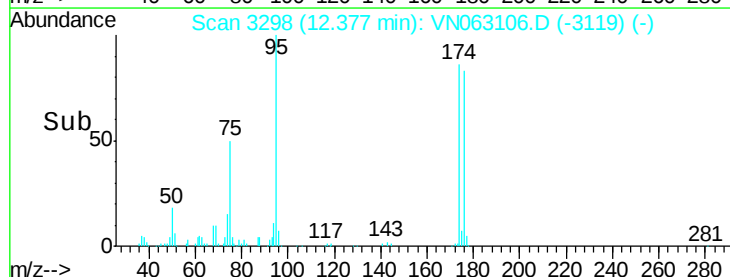
254 0.0 0.0 0.0

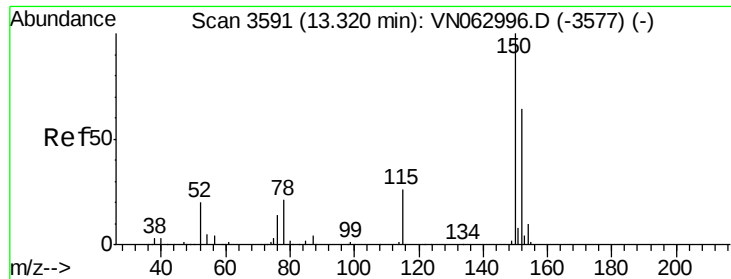


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063106.D

Acq: 25 Aug 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0825WBL01

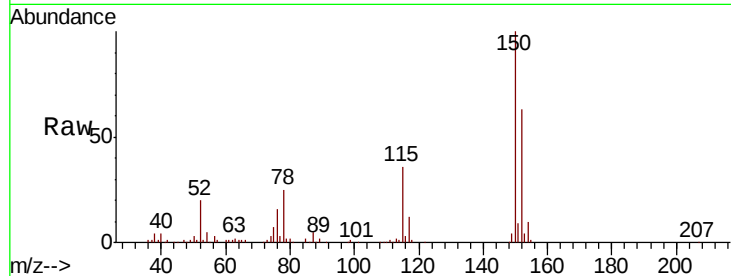
Tot Ion:152 Resp: 101473

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.3

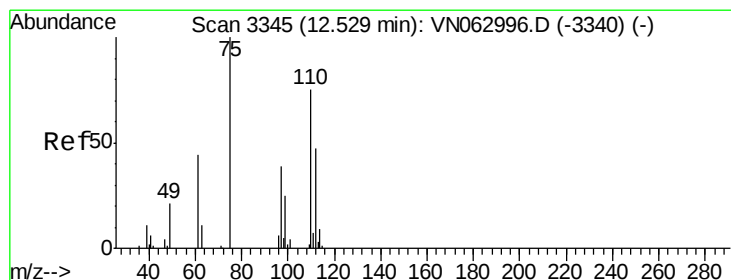
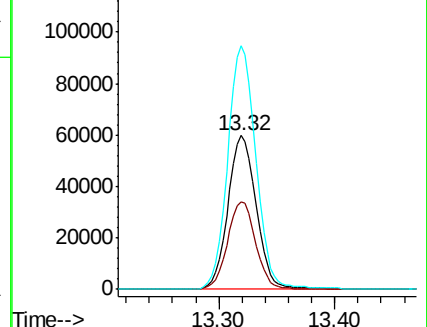
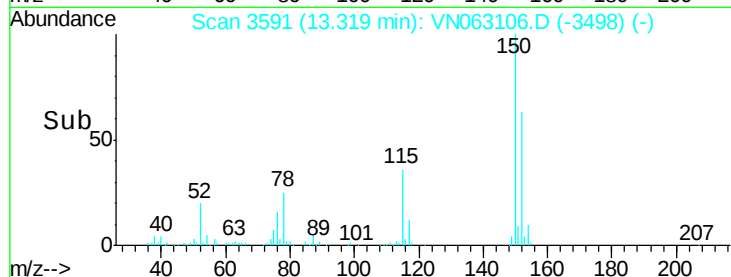
150 157.8 0.0 348.8



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: 26.547 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063106.D

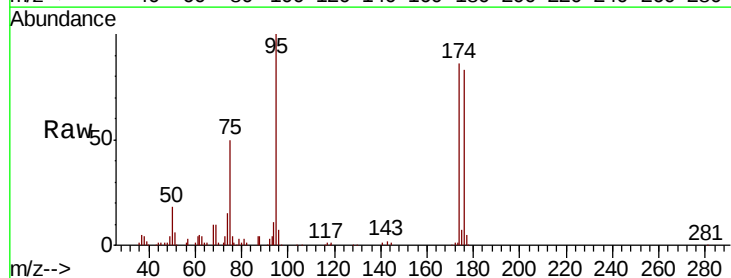
Acq: 25 Aug 2020 11:40

Tgt Ion: 75 Resp: 52362

Ion Ratio Lower Upper

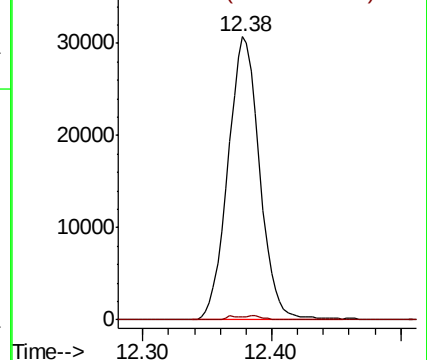
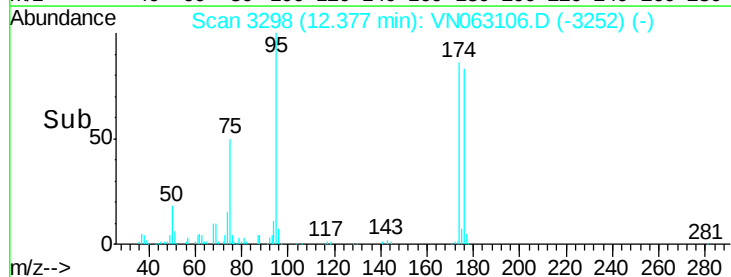
75 100

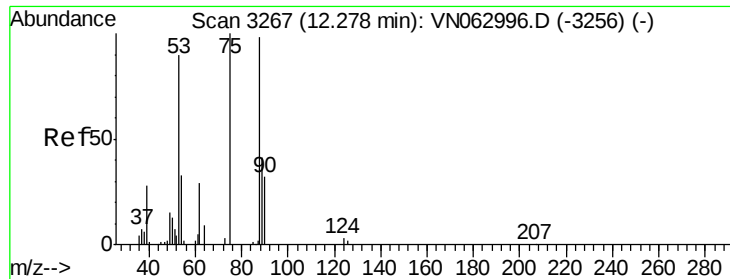
77 1.4 0.0 0.0#



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: 72.911 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0825WBL01

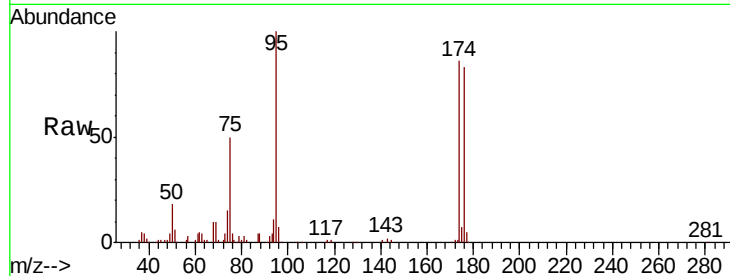
Tot Ion: 75 Resp: 52362

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

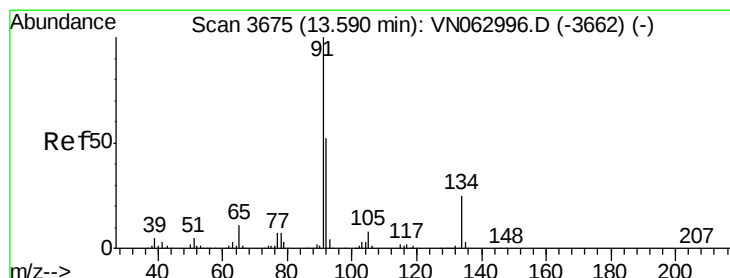
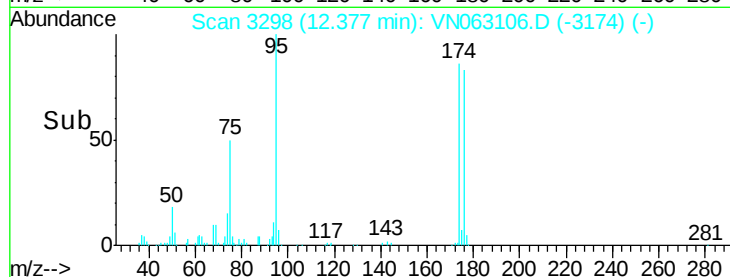
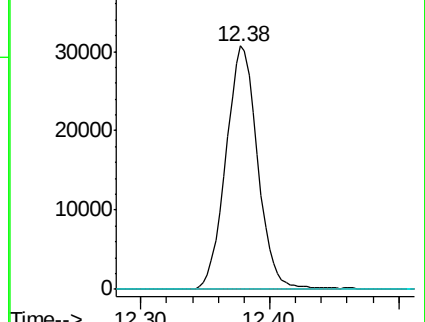
89 0.0 34.2 51.4#



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



#89

n-Butylbenzene

Concen: 2.816 ug/l

RT: 13.60 min Scan# 3678

Delta R.T. 0.01 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

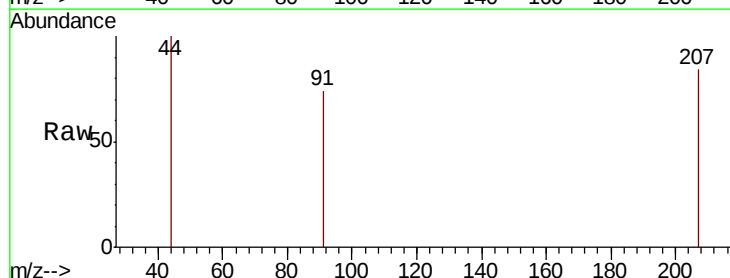
Tgt Ion: 91 Resp: 266

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

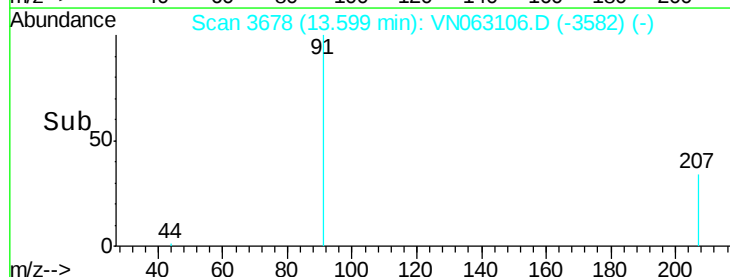
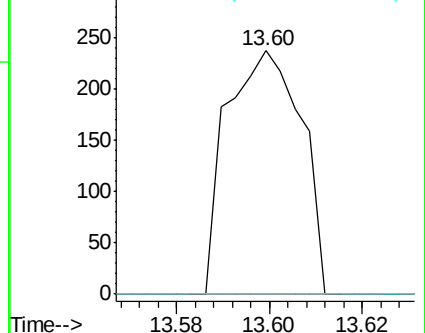
134 0.0 12.4 37.0#

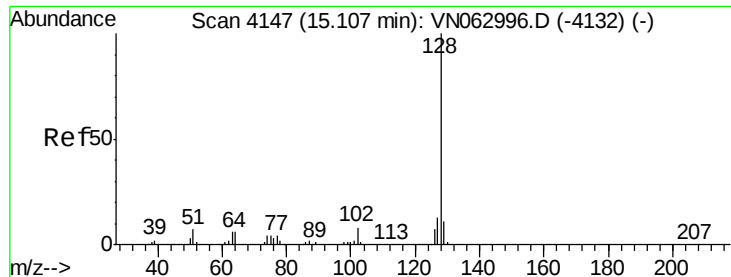


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 5.719 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0825WBL01

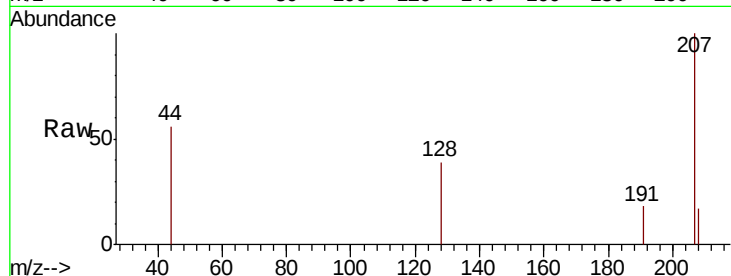
Tot Ion:128 Resp: 350

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

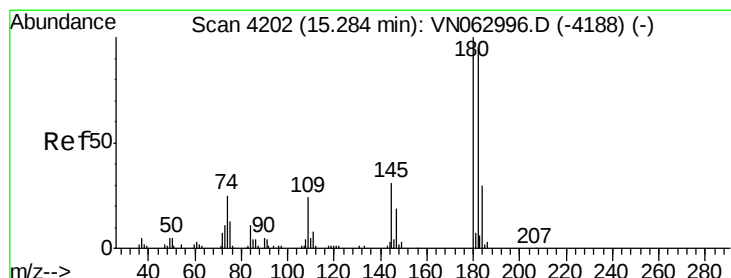
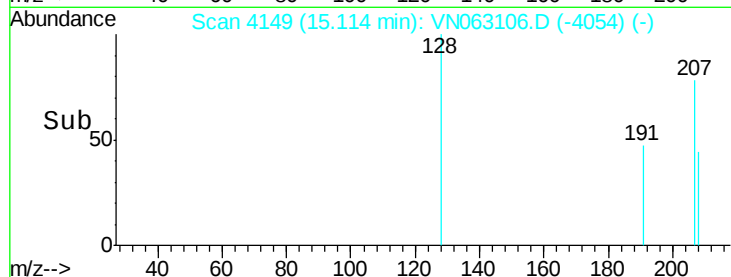
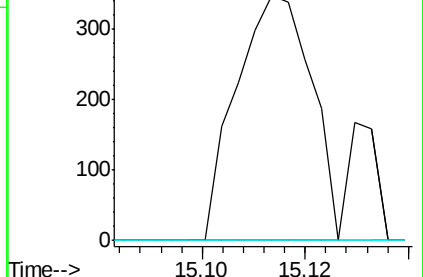
129 0.0 8.9 13.3#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.997 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN063106.D

Acq: 25 Aug 2020 11:40

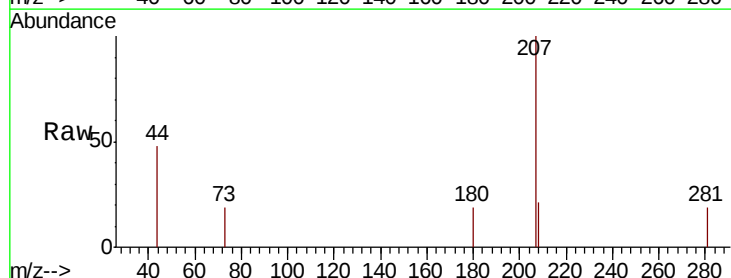
Tgt Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

