

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063073.D
 Acq On : 21 Aug 2020 11:56
 Operator : JC/MD
 Sample : VN0821WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL01

Quant Time: Aug 22 00:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31477	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	155890	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	141985	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	68908	30.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.00%
60) 4-Bromofluorobenzene	12.38	95	50261	22.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.67%
63) Toluene-d8	10.06	98	191470	29.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.93%

Target Compounds

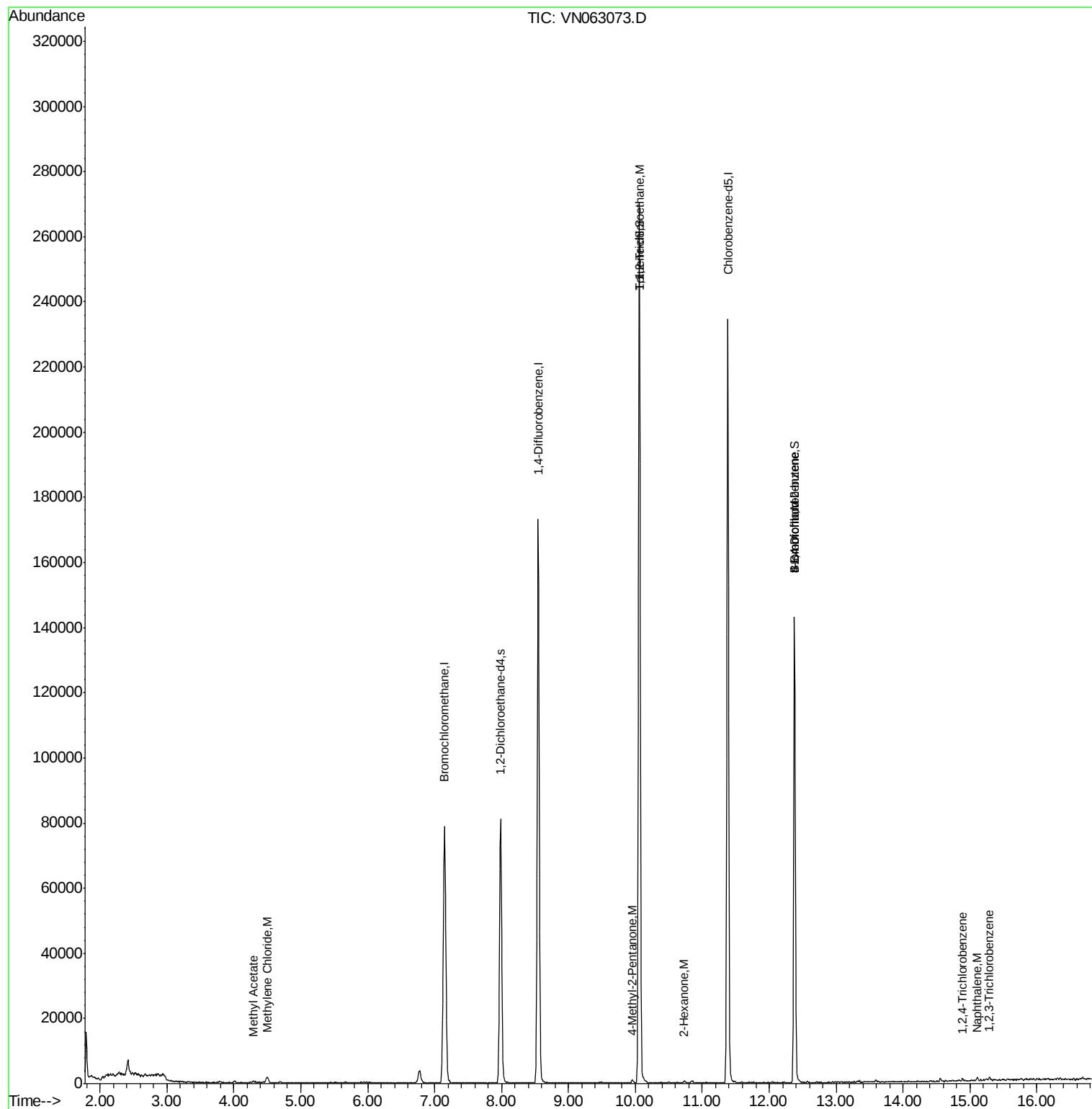
					Ovalue	
12) Methyl Acetate	4.30	43	698	0.356	ug/l #	52
18) Methylene Chloride	4.50	84	1049	0.510	ug/l	96
50) 1,1,2-Trichloroethane	10.07	97	7126	3.770	ug/l #	1
56) Bromoform	12.38	173	469	0.309	ug/l #	1
58) 4-Methyl-2-Pentanone	9.96	43	1141	0.559	ug/l #	80
59) 2-Hexanone	10.73	43	491	0.337	ug/l #	70
77) t-1,4-Dichloro-2-butene	12.38	75	25507	31.585	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.89	180	396	0.222	ug/l #	77
91) Naphthalene	15.11	128	1329	0.337	ug/l #	68
92) 1,2,3-Trichlorobenzene	15.29	180	647	0.363	ug/l #	85

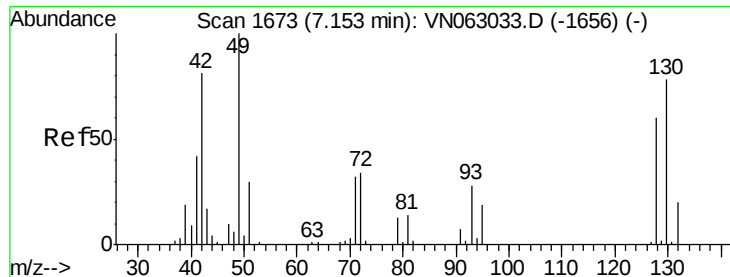
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0821WBL01

Quant Time: Aug 22 00:51:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
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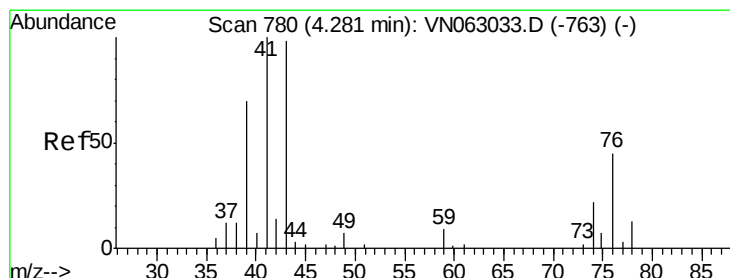
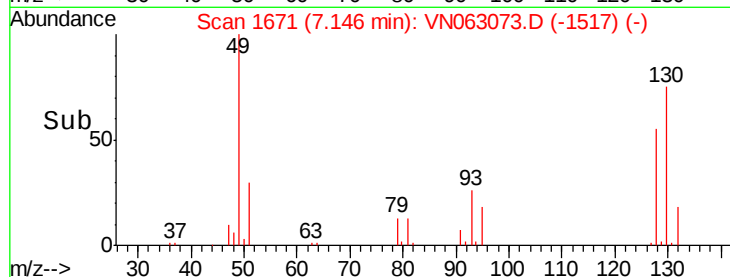
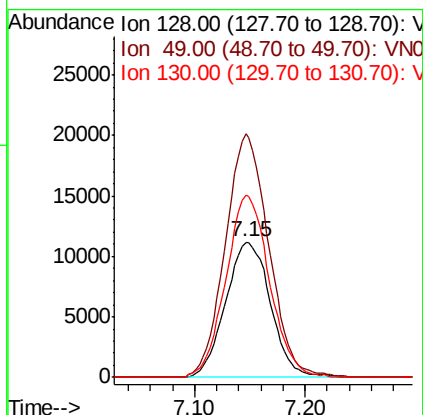
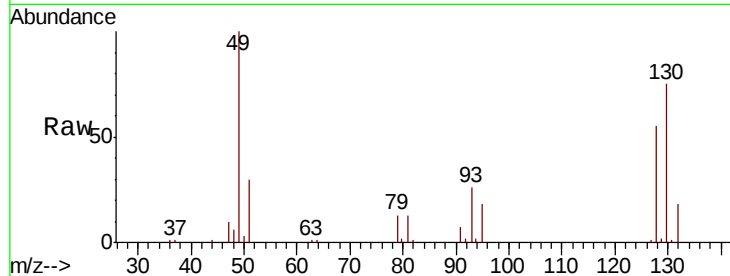




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

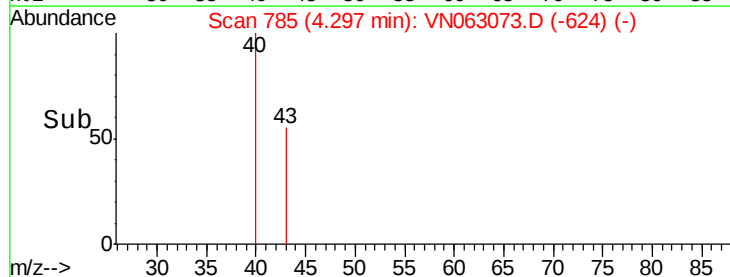
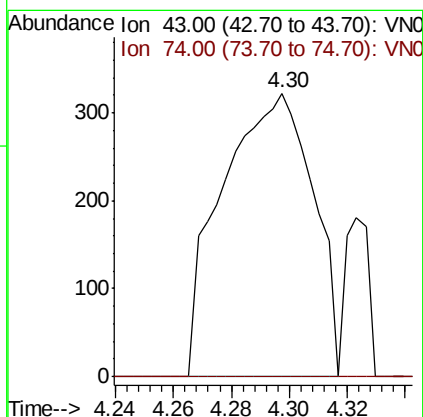
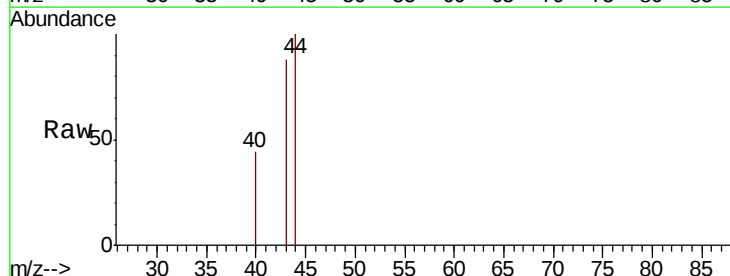
Instrument :
 MSVOA_N
 ClientSampled :
 VN0821WBL01

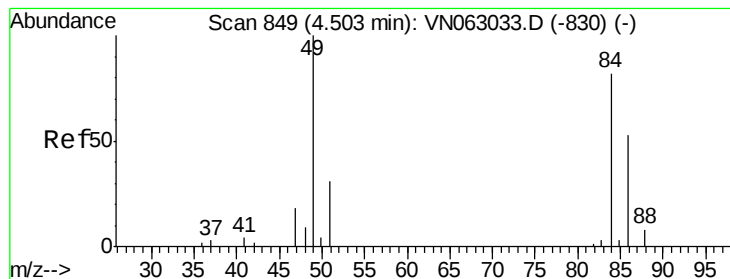
Tot Ion:128 Resp: 31477
 Ion Ratio Lower Upper
 128 100
 49 174.6 0.0 437.5
 130 131.1 0.0 327.3



#12
 Methyl Acetate
 Concen: 0.356 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. 0.02 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

Tgt Ion: 43 Resp: 698
 Ion Ratio Lower Upper
 43 100
 74 0.0 18.6 27.8#





#18

Methylene Chloride

Concen: 0.510 ug/l

RT: 4.50 min Scan# 847

Delta R.T. -0.01 min

Lab File: VN063073.D

Acq: 21 Aug 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0821WBL01

Tot Ion: 84 Resp: 1049

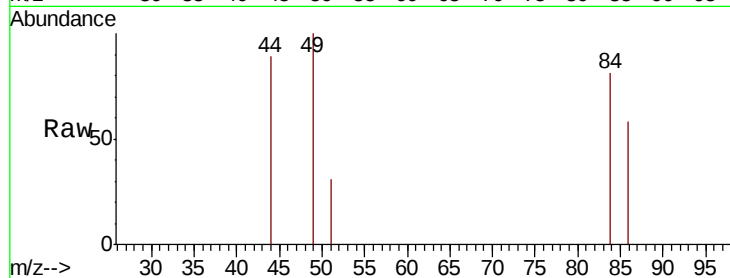
Ion Ratio Lower Upper

84 100

49 123.8 97.8 146.8

51 38.6 30.7 46.1

86 72.0 51.5 77.3

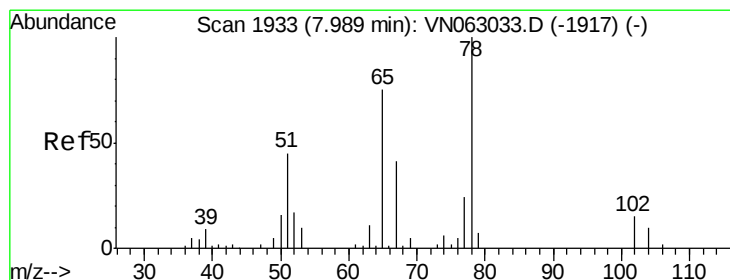
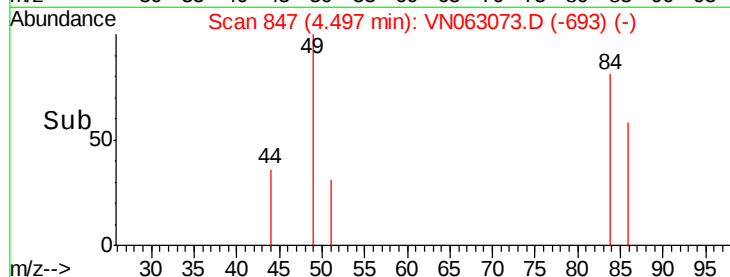
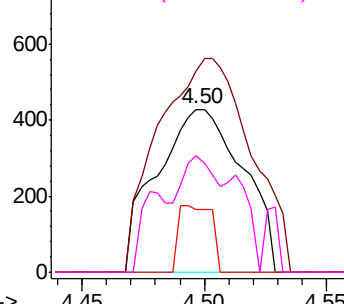


Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.897 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063073.D

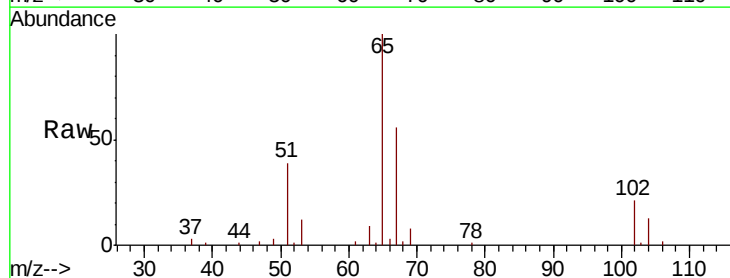
Acq: 21 Aug 2020 11:56

Tgt Ion: 65 Resp: 68908

Ion Ratio Lower Upper

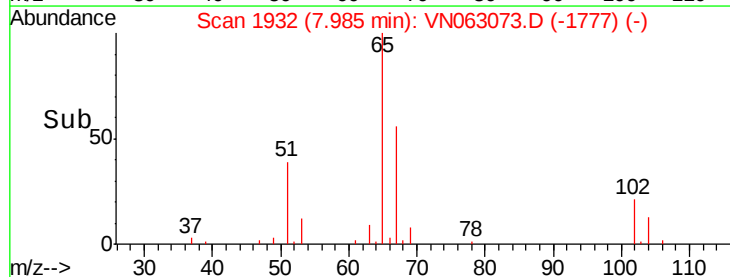
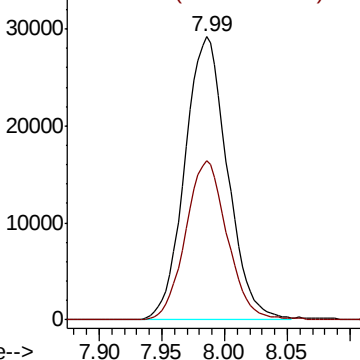
65 100

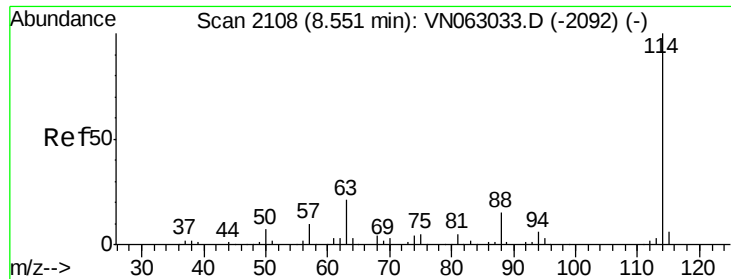
67 54.8 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

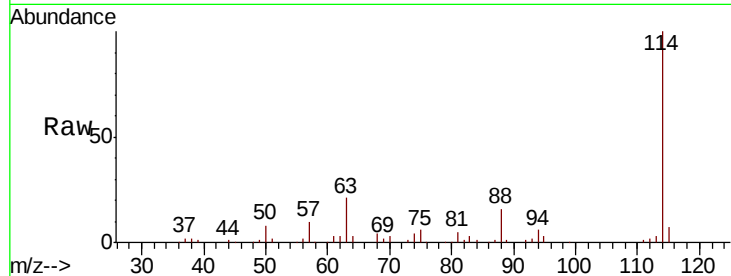




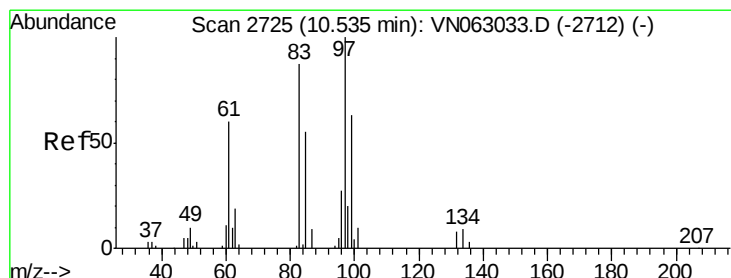
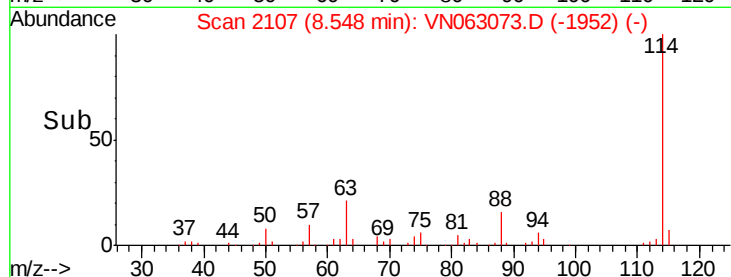
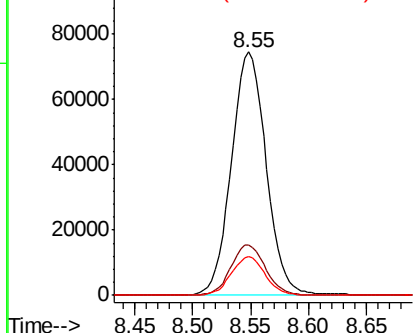
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL01

Tot Ion:114 Resp: 155890
 Ion Ratio Lower Upper
 114 100
 63 20.6 17.0 25.6
 88 15.4 12.6 18.8

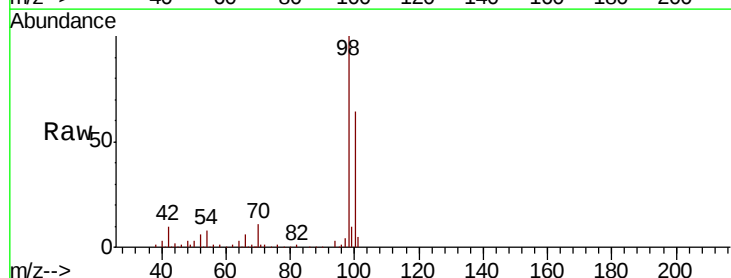


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

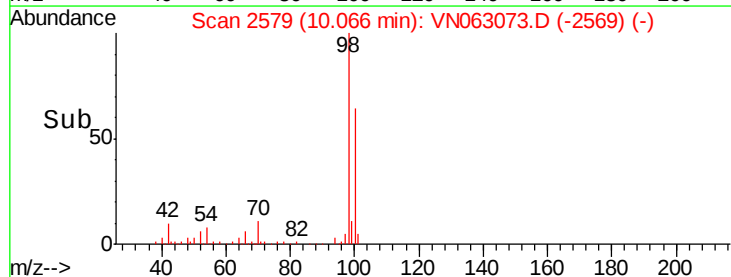
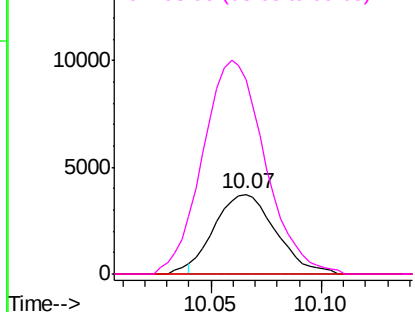


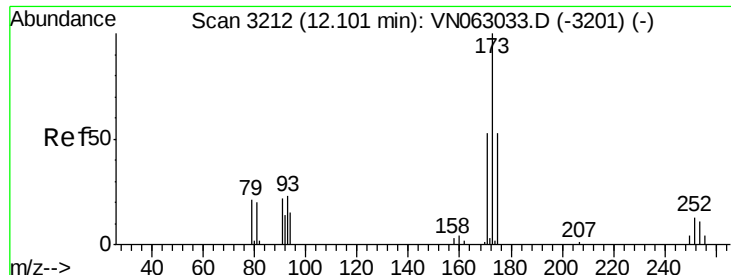
#50
 1,1,2-Trichloroethane
 Concen: 3.770 ug/l
 RT: 10.07 min Scan# 2579
 Delta R.T. -0.47 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

Tgt Ion: 97 Resp: 7126
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.9 104.9#
 85 0.0 44.0 66.0#
 99 240.0 50.6 76.0#



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#56

Bromoform

Concen: 0.309 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063073.D

Acq: 21 Aug 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VN0821WBL01

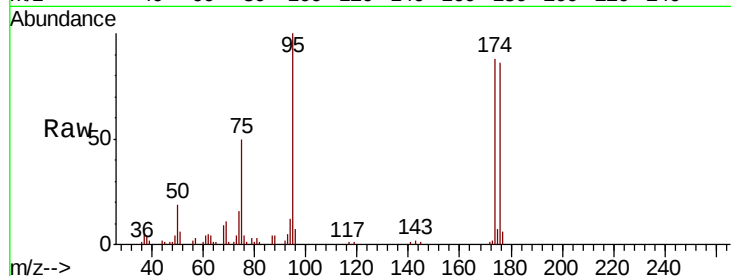
Tot Ion:173 Resp: 469

Ion Ratio Lower Upper

173 100

175 669.7 41.2 61.8#

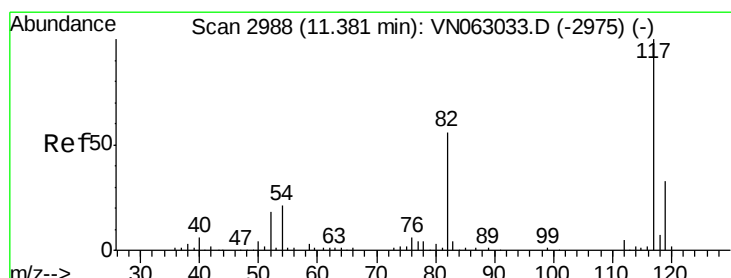
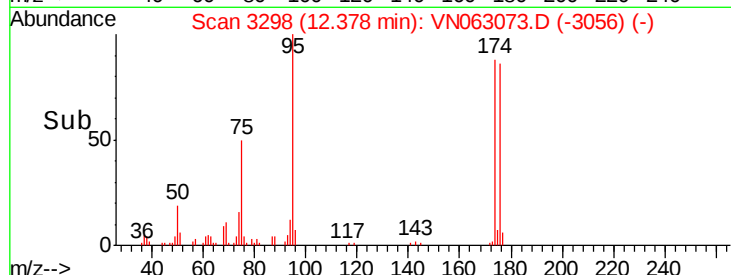
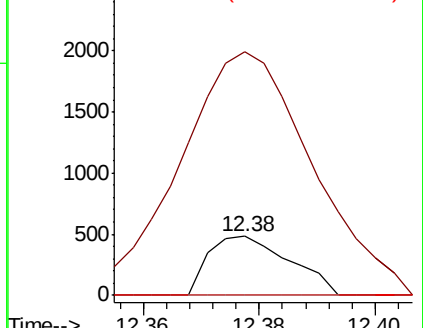
254 0.0 9.0 13.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063073.D

Acq: 21 Aug 2020 11:56

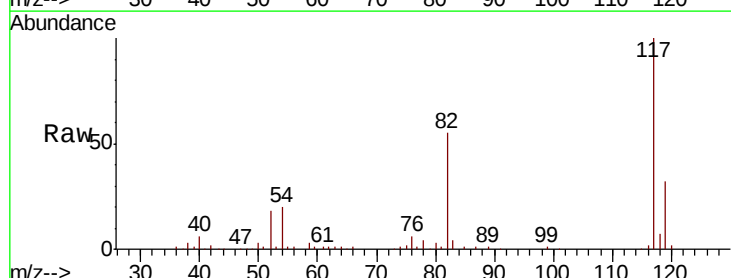
Tgt Ion:117 Resp: 141985

Ion Ratio Lower Upper

117 100

82 55.2 44.9 67.3

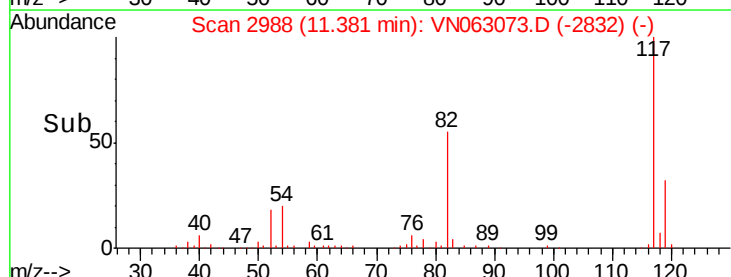
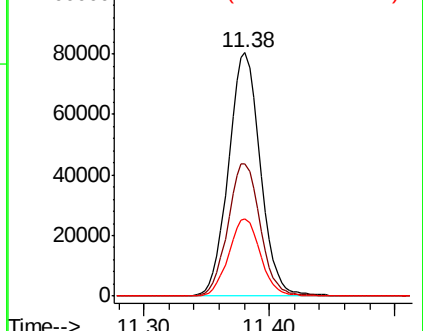
119 31.7 26.0 39.0

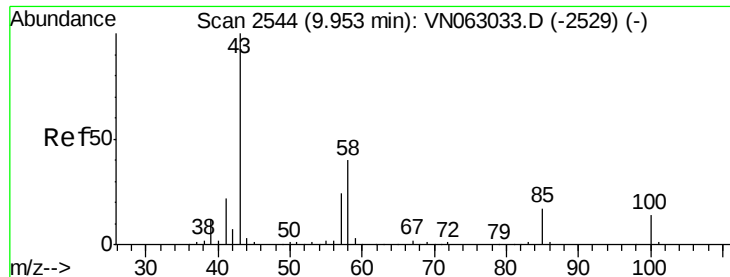


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

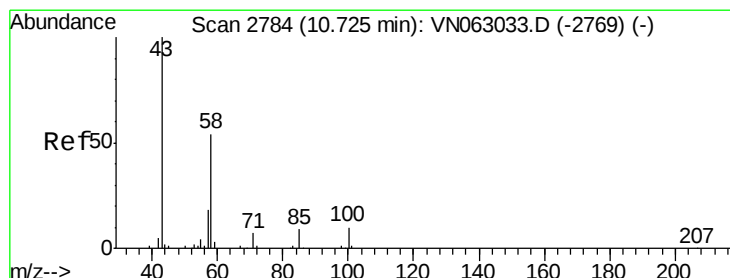
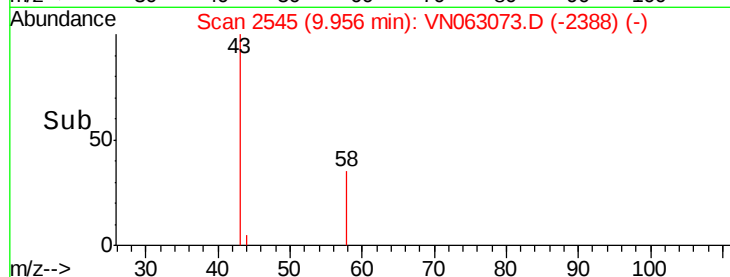
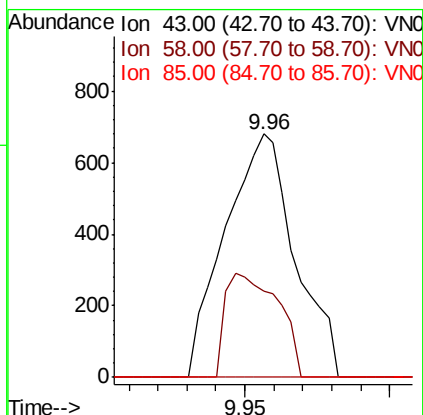
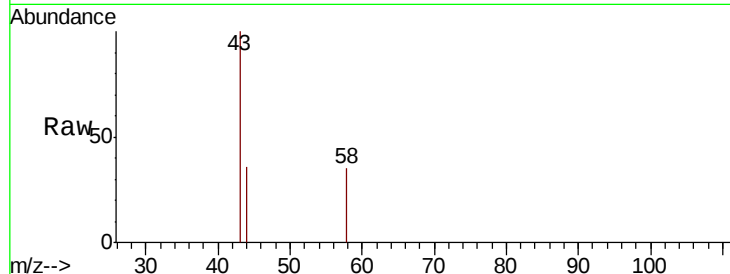




#58
 4-Methyl-2-Pentanone
 Concen: 0.559 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

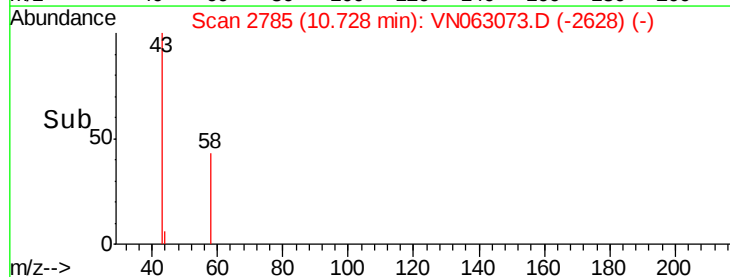
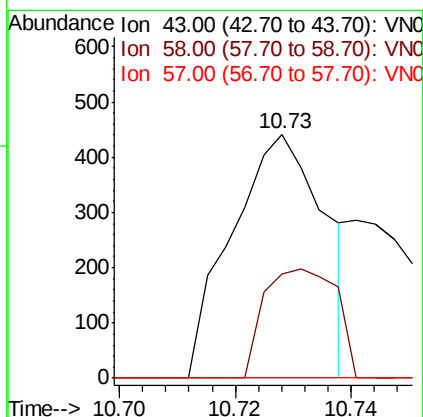
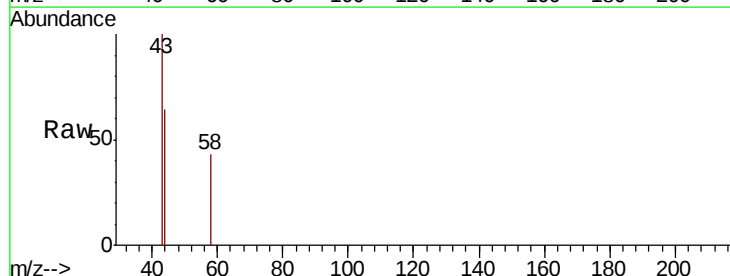
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL01

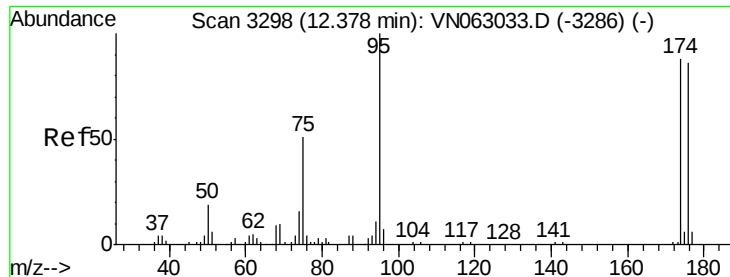
Tot Ion: 43 Resp: 1141
 Ion Ratio Lower Upper
 43 100
 58 32.2 31.4 47.0
 85 0.0 13.4 20.2#



#59
 2-Hexanone
 Concen: 0.337 ug/l
 RT: 10.73 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

Tgt Ion: 43 Resp: 491
 Ion Ratio Lower Upper
 43 100
 58 35.0 42.6 64.0#
 57 0.0 14.6 21.8#

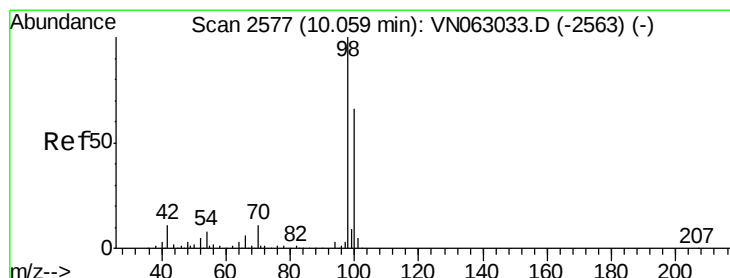
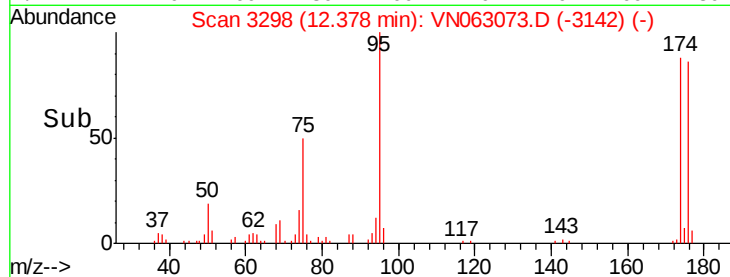
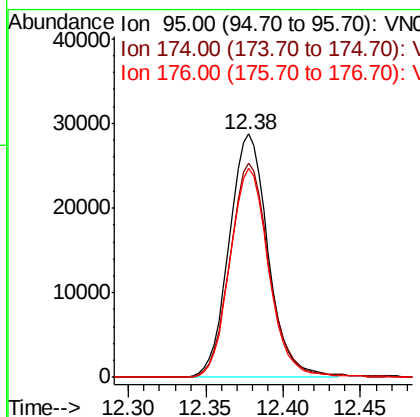
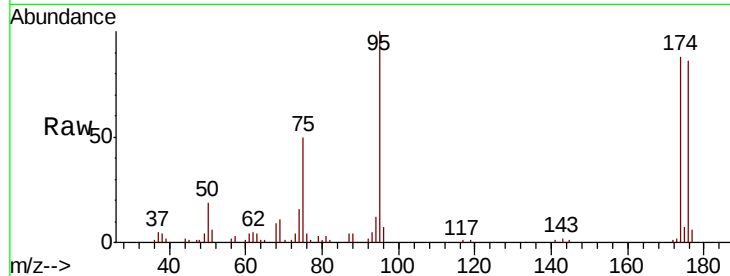




#60
4-Bromofluorobenzene
Concen: 22.402 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063073.D
Acq: 21 Aug 2020 11:56

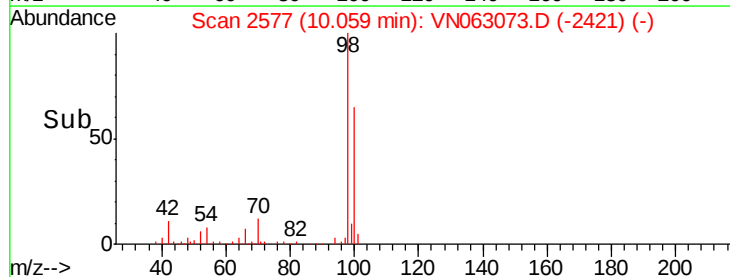
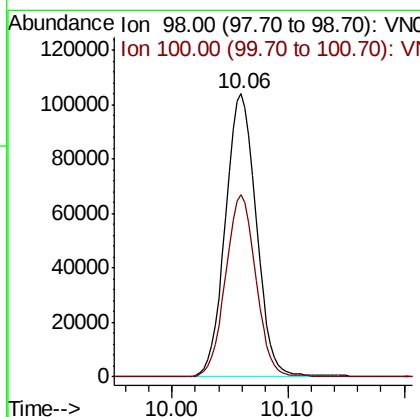
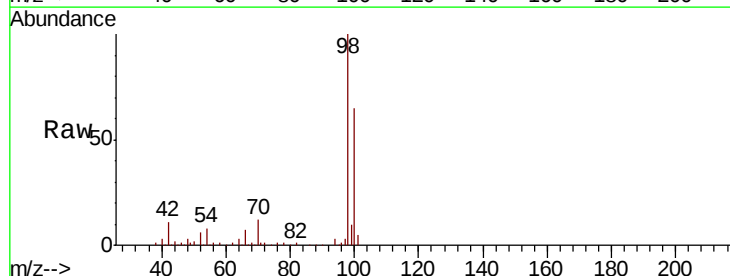
Instrument :
MSVOA_N
ClientSampleId :
VN0821WBL01

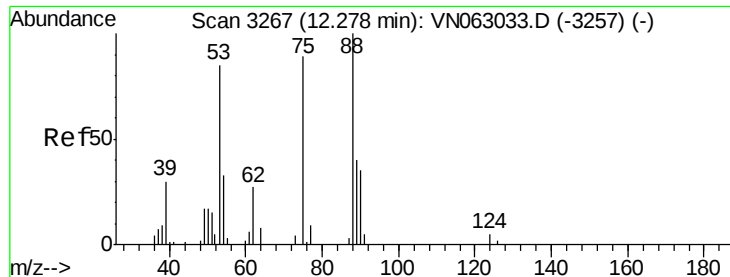
Tot Ion: 95 Resp: 50261
Ion Ratio Lower Upper
95 100
174 88.8 70.1 105.1
176 85.1 66.8 100.2



#63
Toluene-d8
Concen: 29.384 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063073.D
Acq: 21 Aug 2020 11:56

Tgt Ion: 98 Resp: 191470
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.2

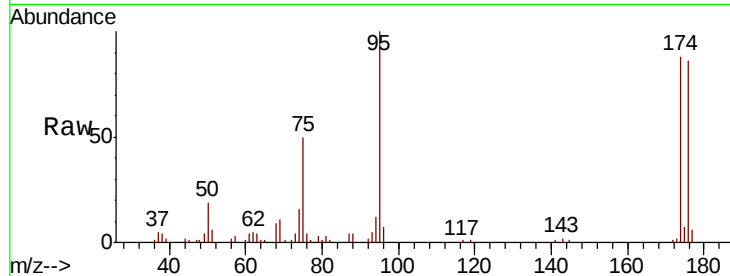




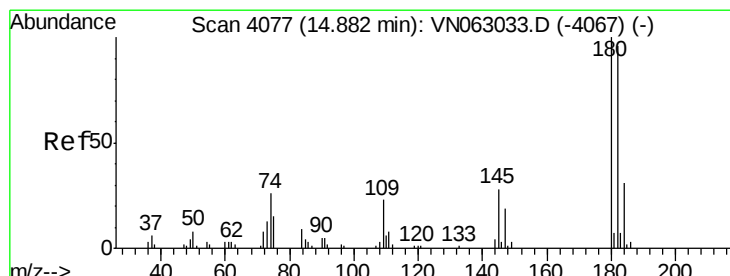
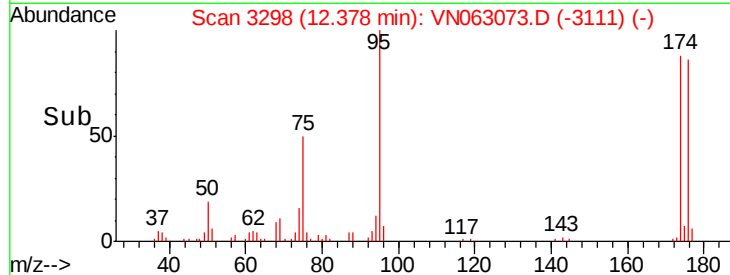
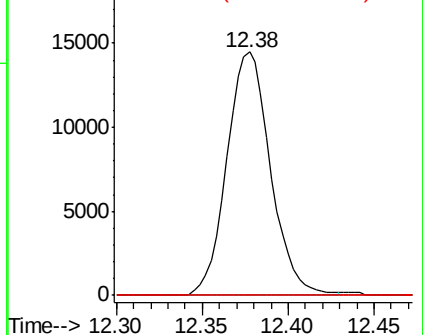
#77
 t-1,4-Dichloro-2-butene
 Concen: 31.585 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0821WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	47.0	141.0#
89	0.0	22.9	68.7#

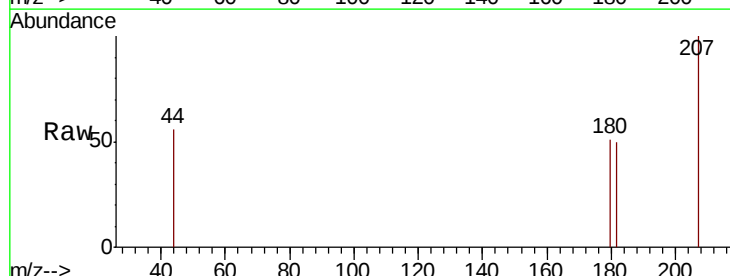


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 53.00 (52.70 to 53.70): VN0
 Ion 89.00 (88.70 to 89.70): VN0

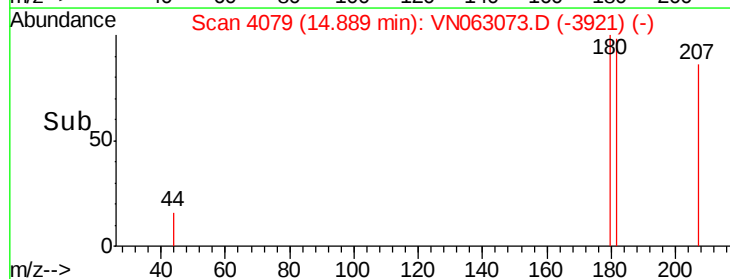
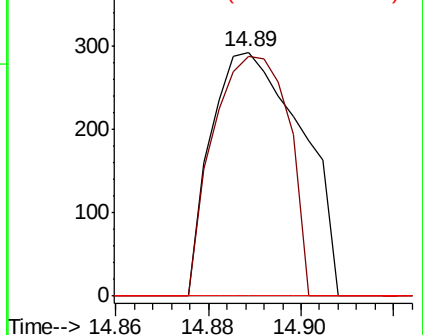


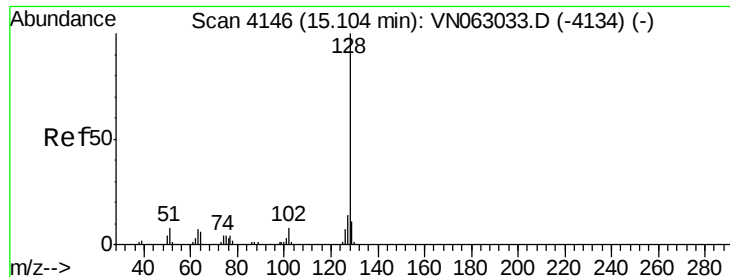
#89
 1,2,4-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN063073.D
 Acq: 21 Aug 2020 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.6	76.9	115.3
145	0.0	21.9	32.9#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#91

Naphthalene

Concen: 0.337 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN063073.D

Acq: 21 Aug 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VN0821WBL01

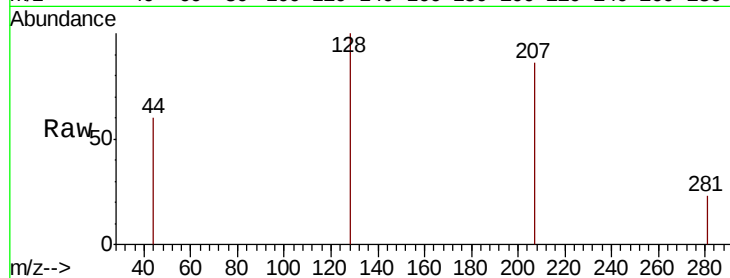
Tot Ion:128 Resp: 1329

Ion Ratio Lower Upper

128 100

127 0.0 11.1 16.7#

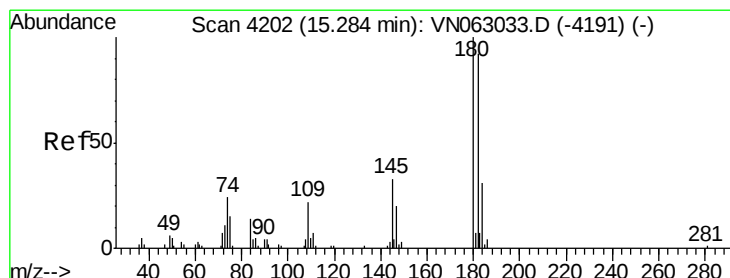
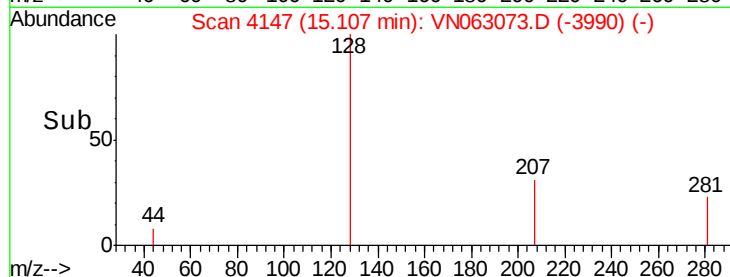
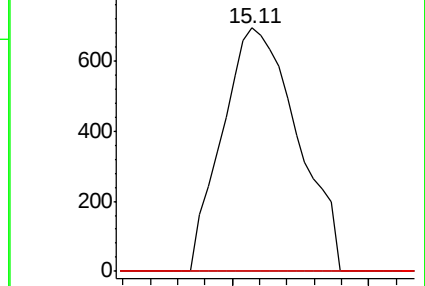
129 0.0 8.4 12.6#



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



#92

1,2,3-Trichlorobenzene

Concen: 0.363 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN063073.D

Acq: 21 Aug 2020 11:56

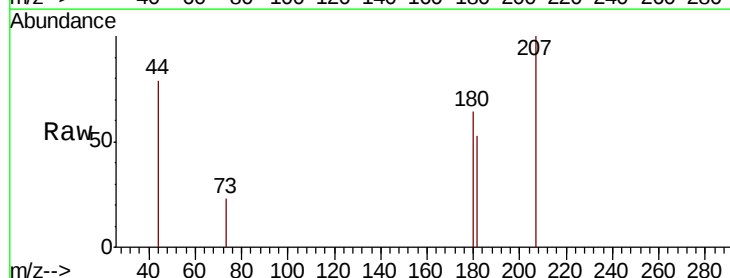
Tgt Ion:180 Resp: 647

Ion Ratio Lower Upper

180 100

182 92.7 0.0 188.0

145 0.0 0.0 62.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

