

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064651.D
 Acq On : 16 Nov 2020 10:18
 Operator : JC/MD
 Sample : VN1116WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBL01

Quant Time: Nov 17 03:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	234324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	475953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	506777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186034	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	234083	57.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.70%		
35) Dibromofluoromethane	7.55	113	170580	52.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.28%		
50) Toluene-d8	10.06	98	625195	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.84%		
62) 4-Bromofluorobenzene	12.38	95	235431	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.40%		

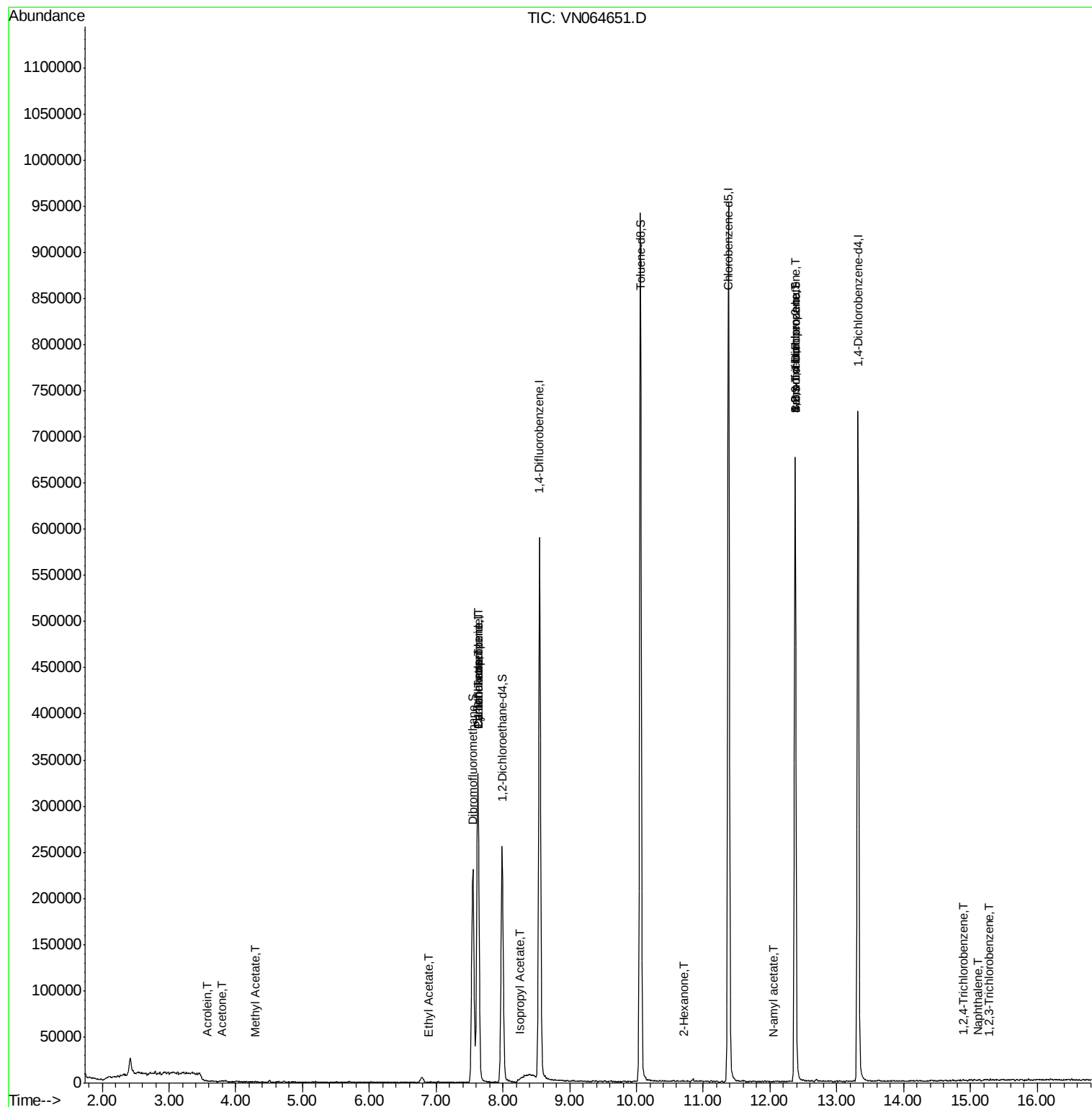
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	162	0.580	ug/l #	64
16) Acetone	3.78	43	1407	0.905	ug/l #	48
18) Methyl Acetate	4.28	43	641	0.210	ug/l #	55
31) Cyclohexane	7.62	56	7228	1.457	ug/l #	38
36) 1,1-Dichloropropene	7.63	75	22708	4.516	ug/l #	54
37) Ethyl Acetate	6.89	43	62	0.774	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27881	5.188	ug/l #	17
43) Isopropyl Acetate	8.24	43	2096	0.257	ug/l #	64
59) 2-Hexanone	10.71	43	45	4.040	ug/l #	28
71) Bromoform	12.37	173	1064	1.608	ug/l #	1
74) N-amyl acetate	12.05	43	68	1.224	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	133599	29.640	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	133599	82.757	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	237	2.739	ug/l #	22
95) Naphthalene	15.12	128	388	3.658	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	29	2.785	ug/l #	12

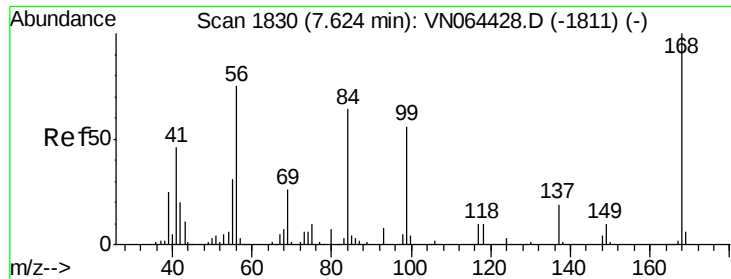
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampled :

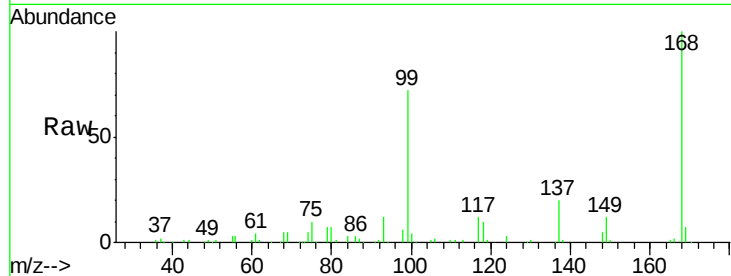
VN1116WBL01

Tot Ion:168 Resp: 234324

Ion Ratio Lower Upper

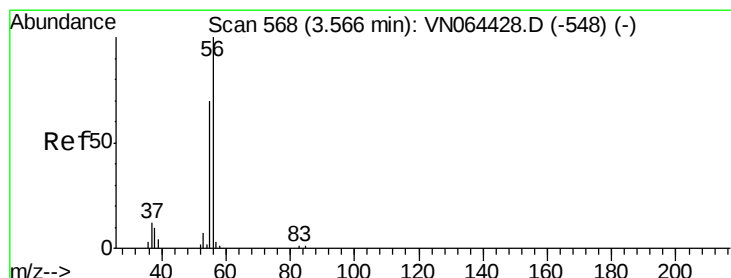
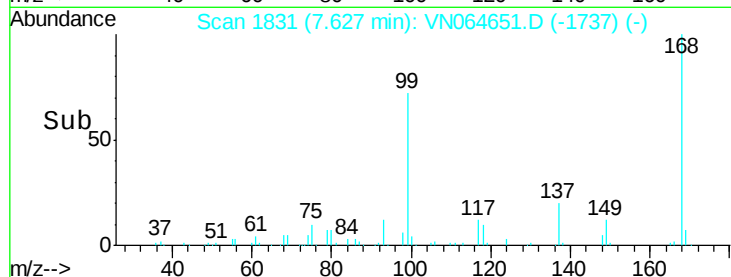
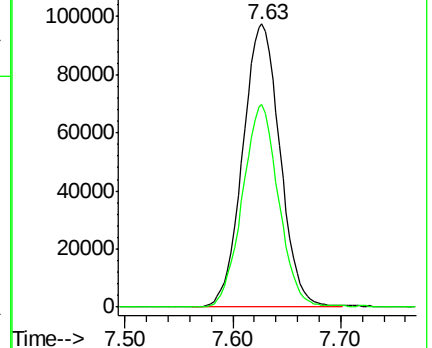
168 100

99 71.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 0.580 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064651.D

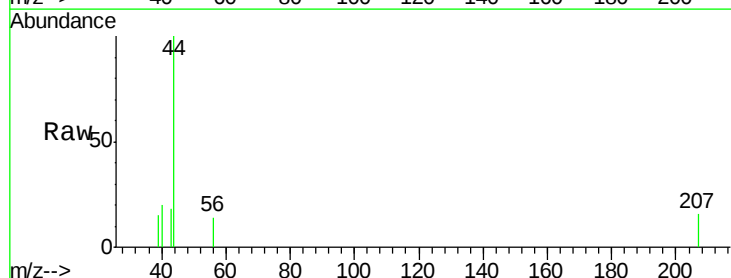
Acq: 16 Nov 2020 10:18

Tgt Ion: 56 Resp: 162

Ion Ratio Lower Upper

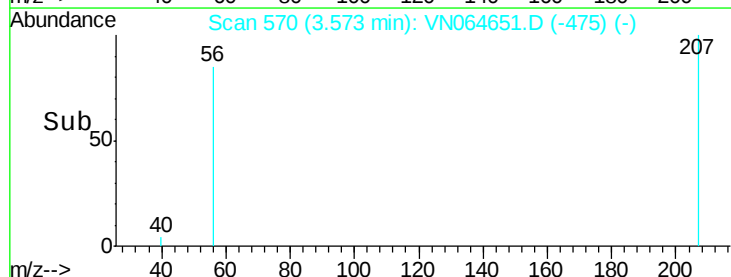
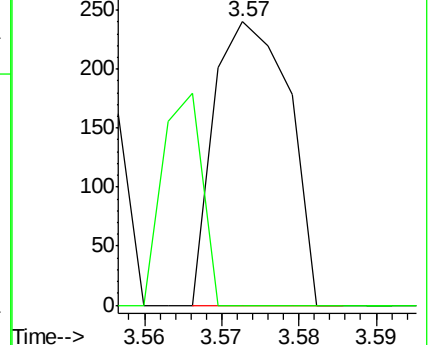
56 100

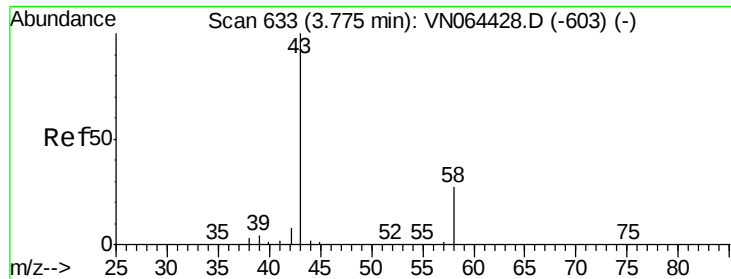
55 40.1 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 0.905 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

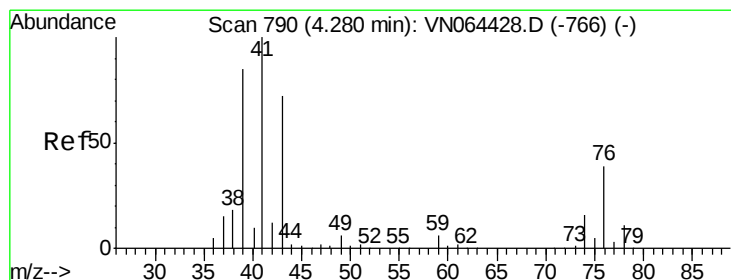
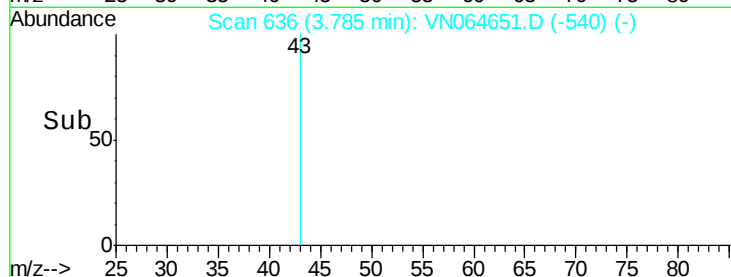
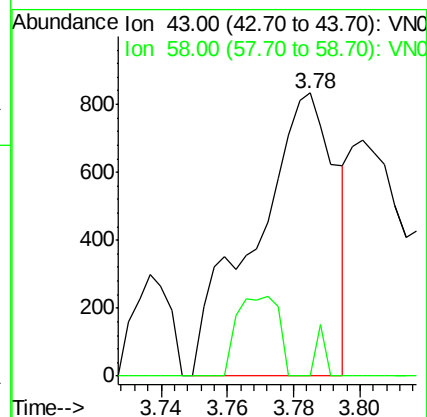
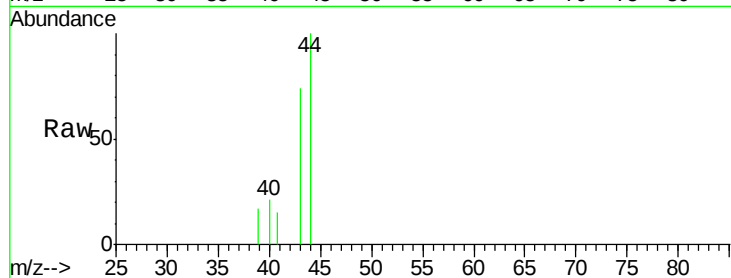
VN1116WBL01

Tot Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



#18

Methyl Acetate

Concen: 0.210 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064651.D

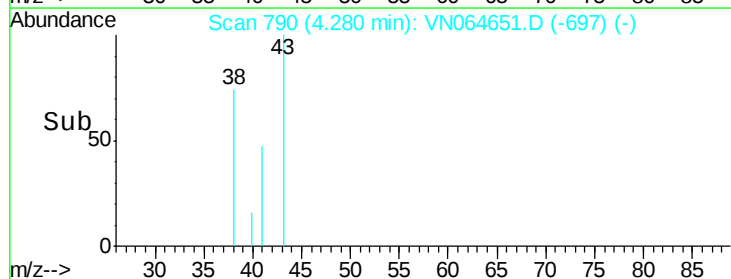
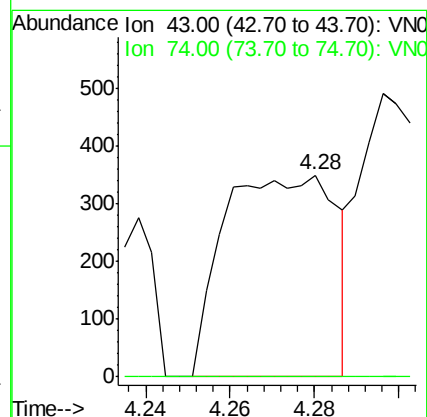
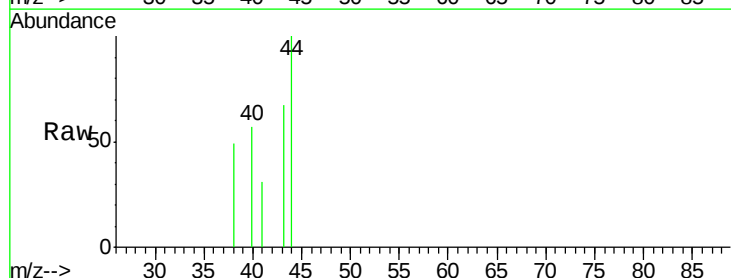
Acq: 16 Nov 2020 10:18

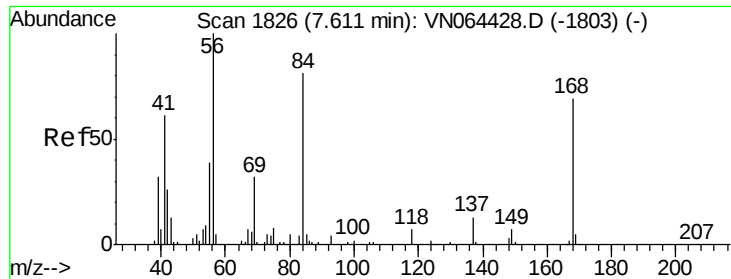
Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#

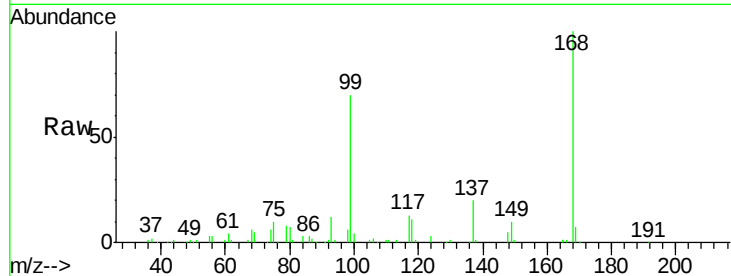




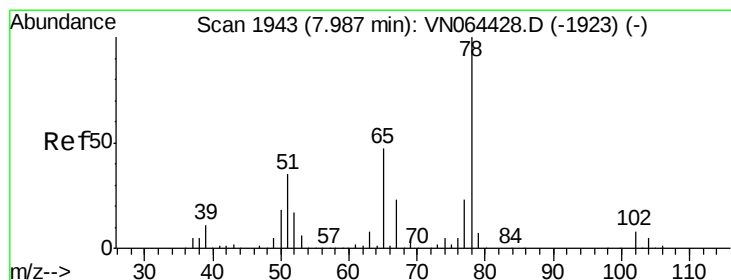
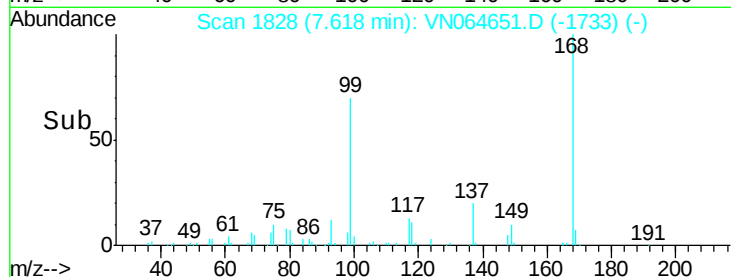
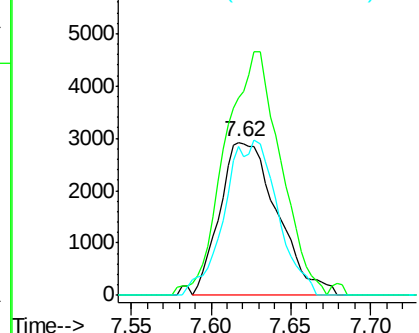
#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN064651.D
Acq: 16 Nov 2020 10:18

Instrument :
MSVOA_N
ClientSampled :
VN1116WBL01

Tot Ion: 56 Resp: 7228
Ion Ratio Lower Upper
56 100
69 122.6 25.6 38.4#
84 97.2 63.0 94.6#

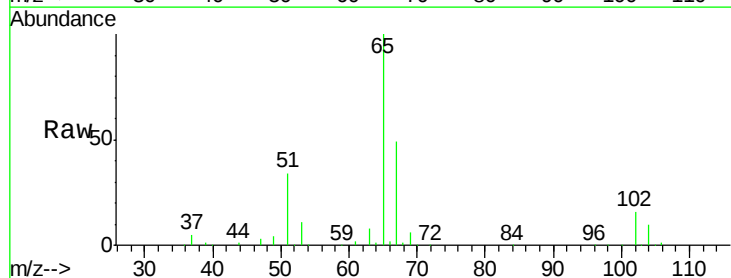


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

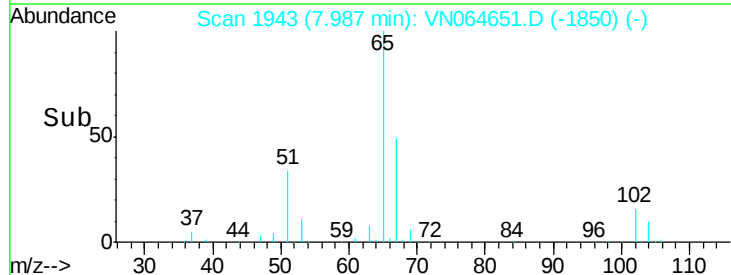
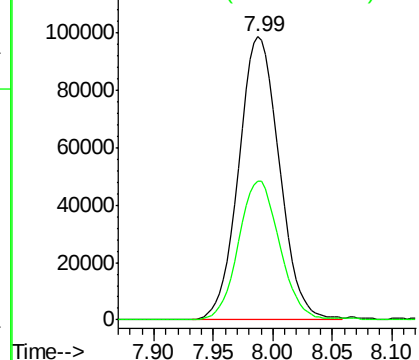


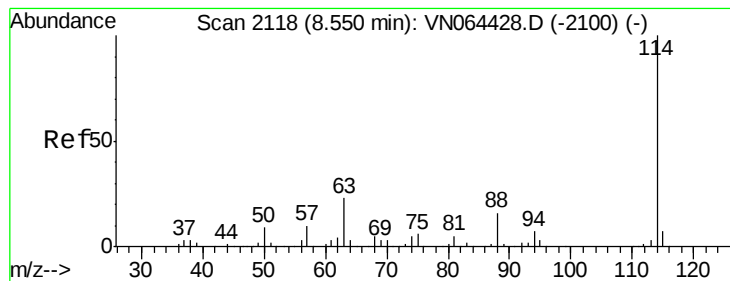
#33
1,2-Dichloroethane-d4
Concen: 57.351 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064651.D
Acq: 16 Nov 2020 10:18

Tgt Ion: 65 Resp: 234083
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.6



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# 2118

Delta R.T. -0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBL01

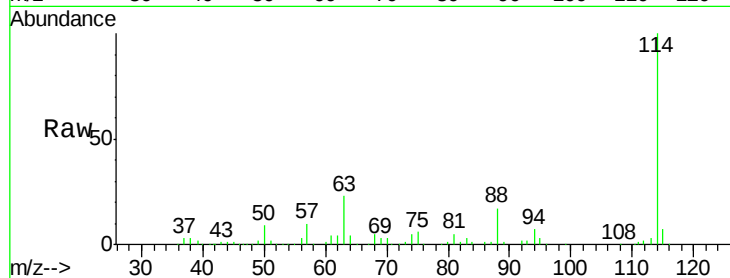
Tot Ion:114 Resp: 475953

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

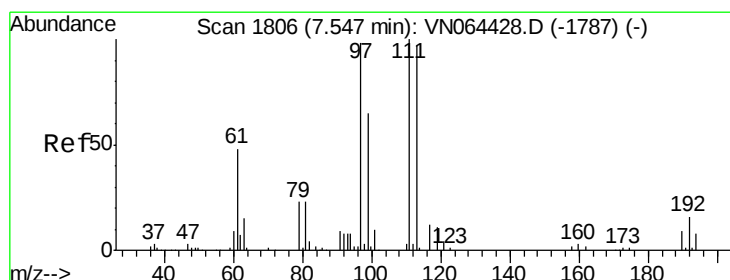
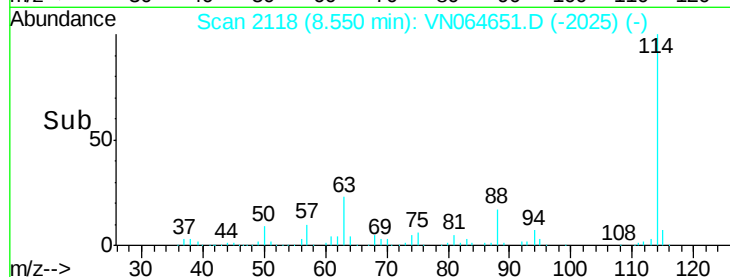
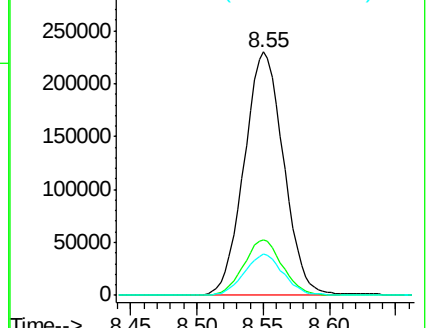
88 16.9 0.0 32.8



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: 52.639 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

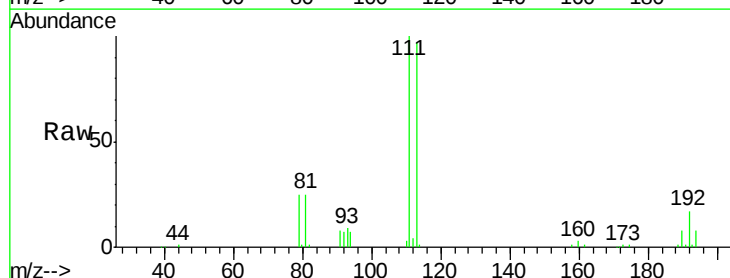
Tgt Ion:113 Resp: 170580

Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

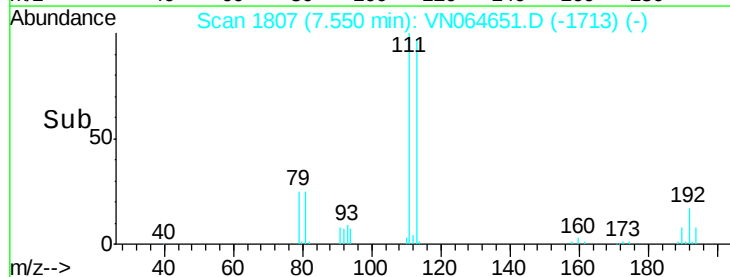
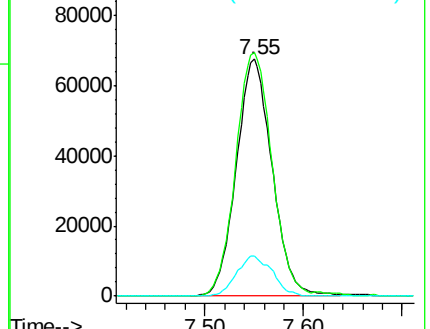
192 17.0 12.8 19.2

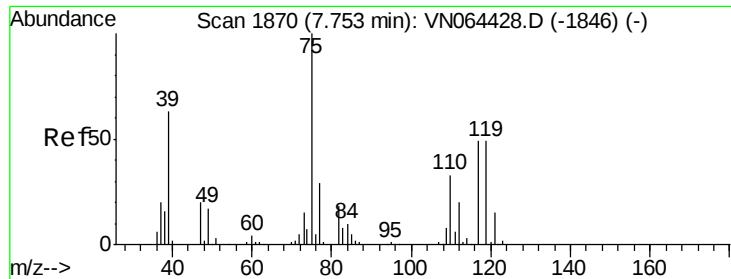


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.516 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBL01

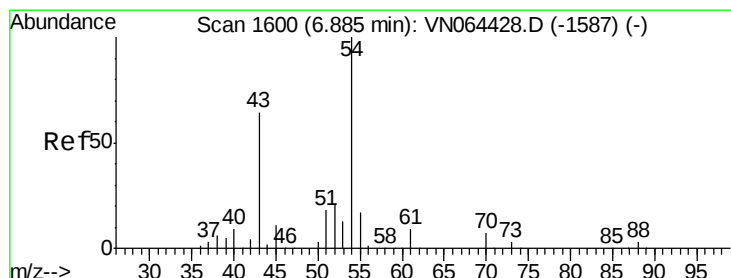
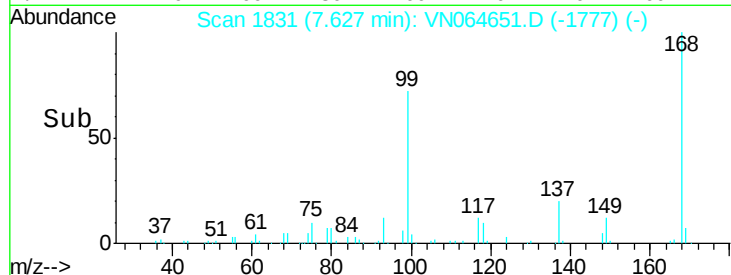
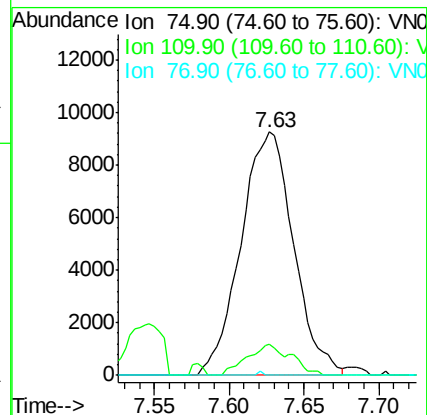
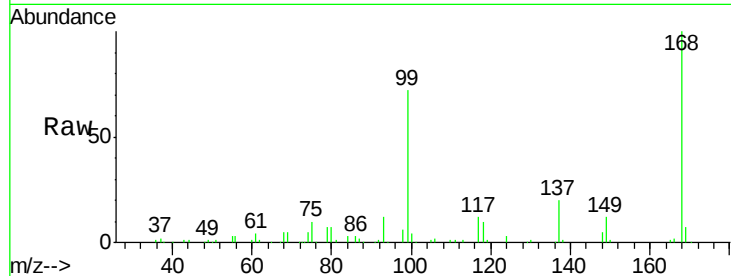
Tot Ion: 75 Resp: 22708

Ion Ratio Lower Upper

75 100

110 10.6 16.0 48.0#

77 0.1 24.0 36.0#



#37

Ethyl Acetate

Concen: 0.774 ug/l

RT: 6.89 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

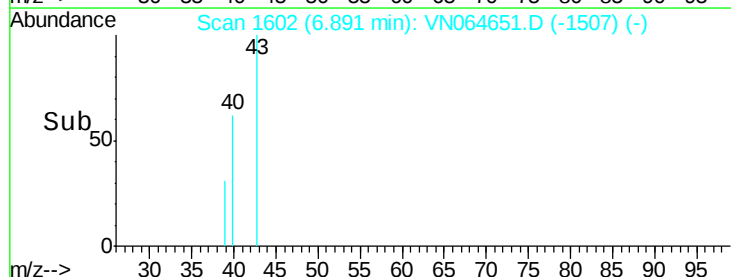
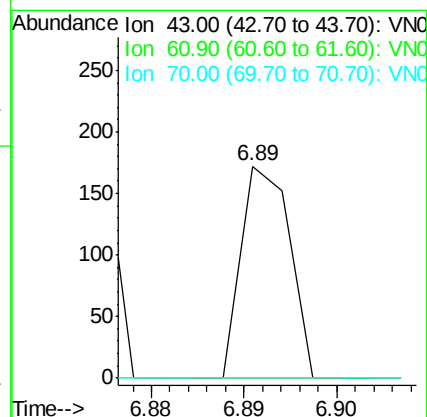
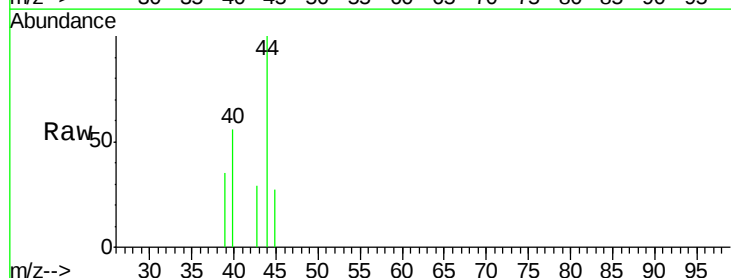
Tgt Ion: 43 Resp: 62

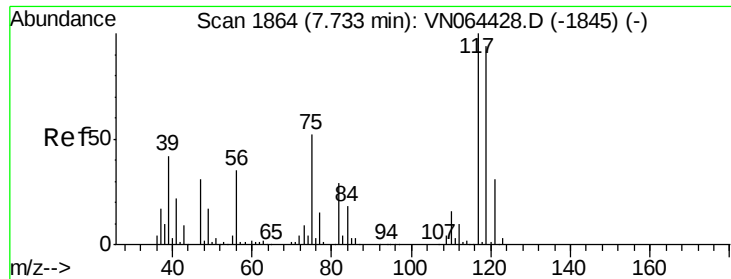
Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

70 0.0 7.1 10.7#

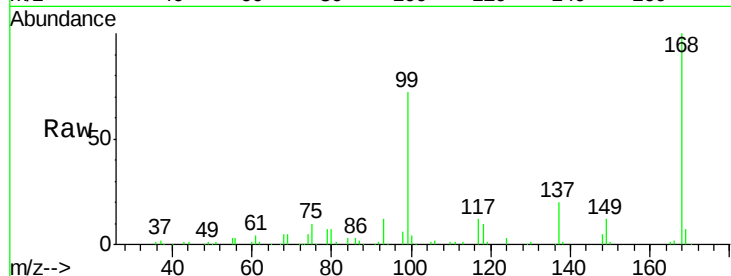




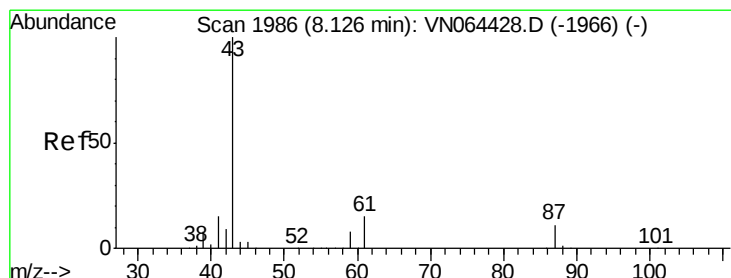
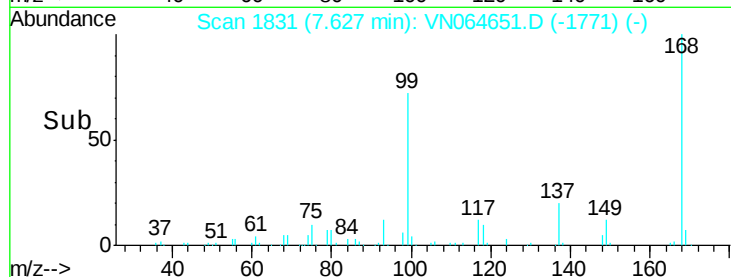
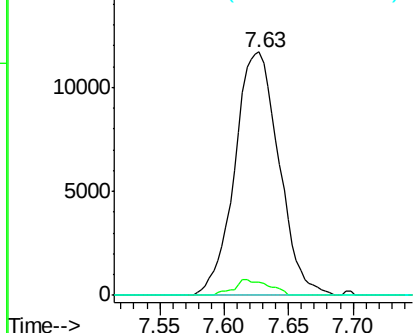
#38
 Carbon Tetrachloride
 Concen: 5.188 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064651.D
 Acq: 16 Nov 2020 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBL01

Tot Ion:117 Resp: 27881
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.5 113.3#
 121 0.0 24.4 36.6#

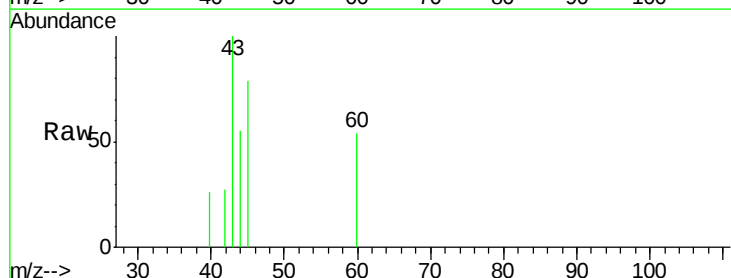


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

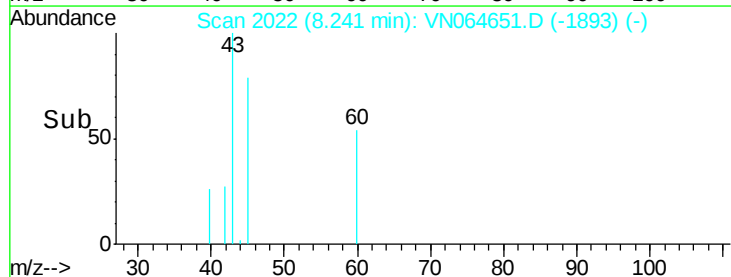
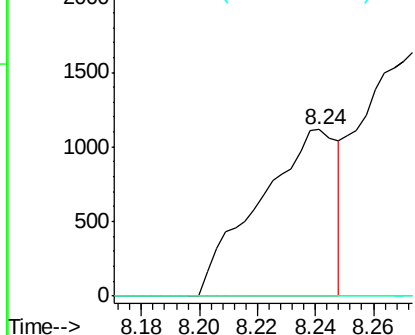


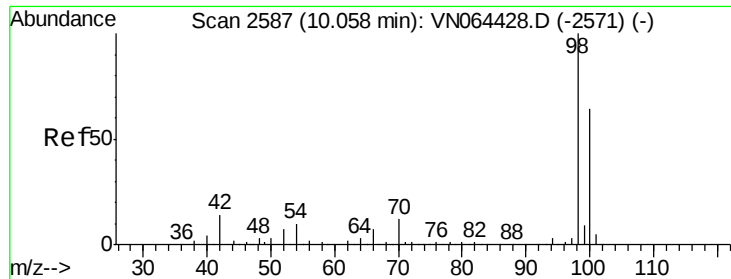
#43
 Isopropyl Acetate
 Concen: 0.257 ug/l
 RT: 8.24 min Scan# 2022
 Delta R.T. 0.12 min
 Lab File: VN064651.D
 Acq: 16 Nov 2020 10:18

Tgt Ion: 43 Resp: 2096
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.0 21.0#
 87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): V
 Ion 61.00 (60.70 to 61.70): V
 Ion 87.00 (86.70 to 87.70): V

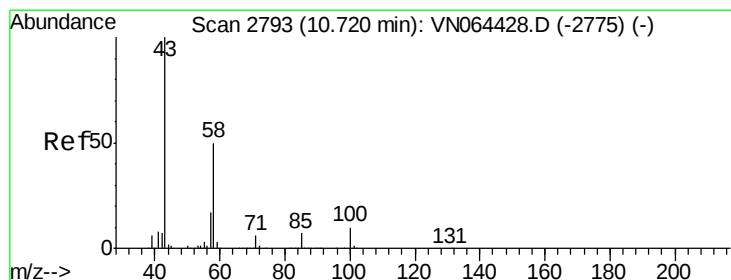
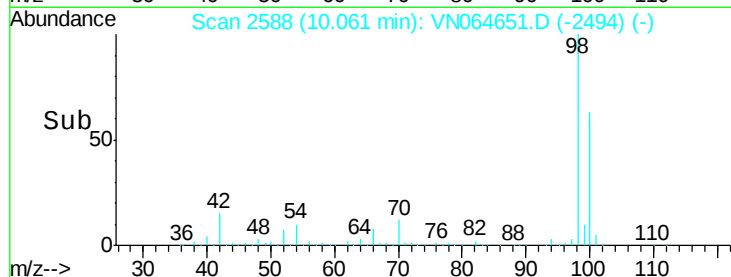
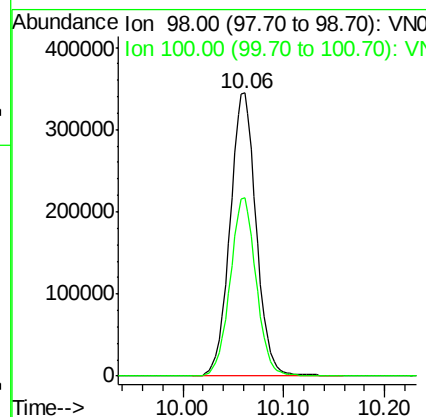
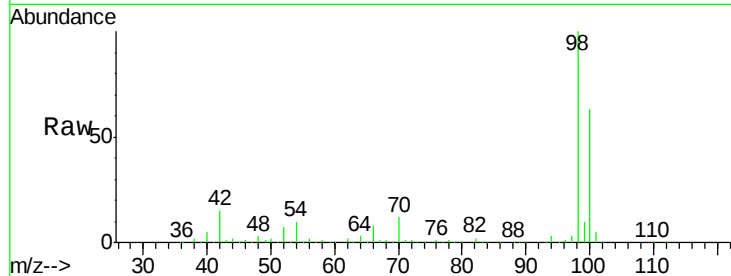




#50
Toluene-d8
Concen: 49.916 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064651.D
Acq: 16 Nov 2020 10:18

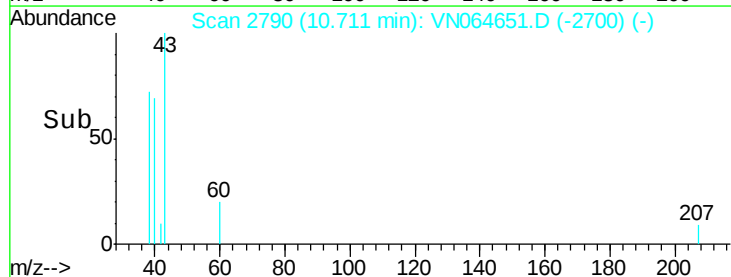
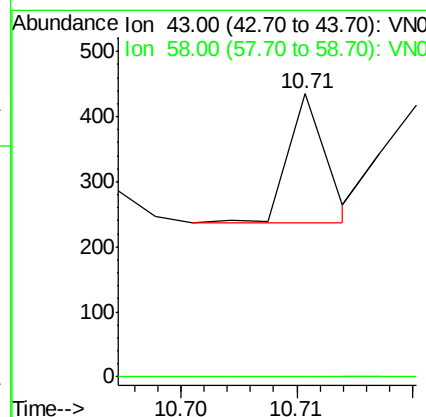
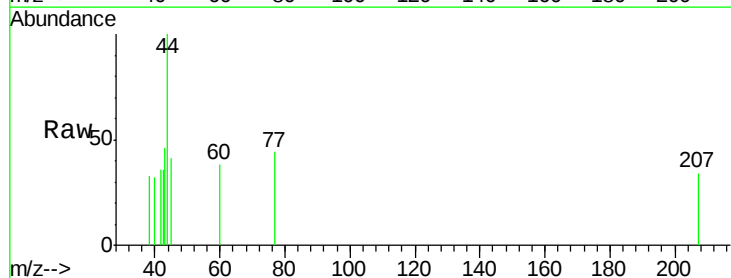
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBL01

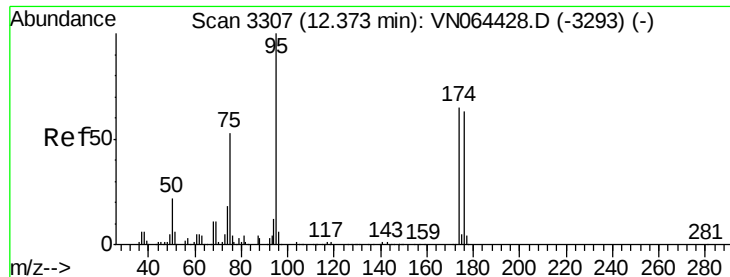
Tot Ion: 98 Resp: 625195
Ion Ratio Lower Upper
98 100
100 62.7 50.7 76.1



#59
2-Hexanone
Concen: 4.040 ug/l
RT: 10.71 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN064651.D
Acq: 16 Nov 2020 10:18

Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 49.703 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBL01

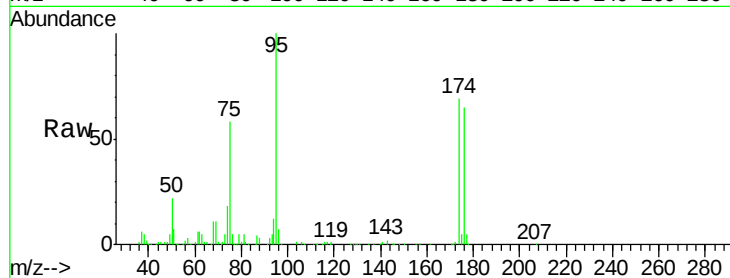
Tot Ion: 95 Resp: 235431

Ion Ratio Lower Upper

95 100

174 69.6 0.0 132.6

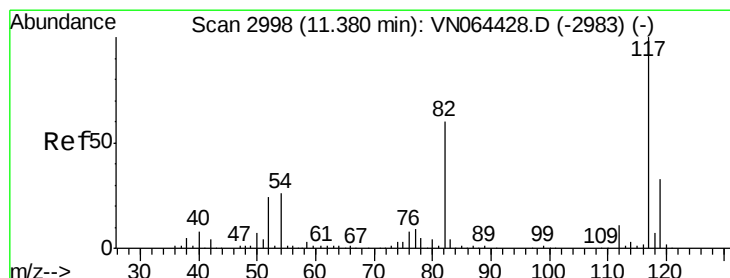
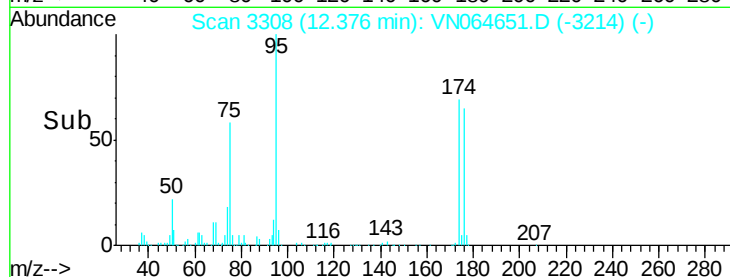
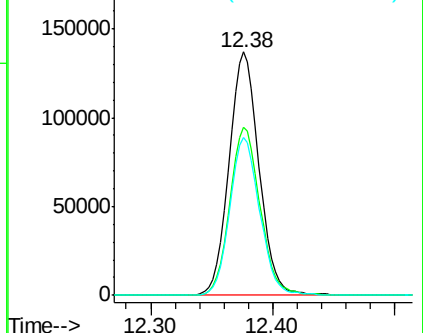
176 64.8 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

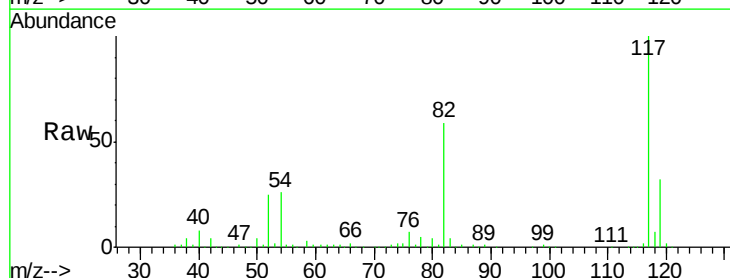
Tgt Ion: 117 Resp: 506777

Ion Ratio Lower Upper

117 100

82 59.3 48.1 72.1

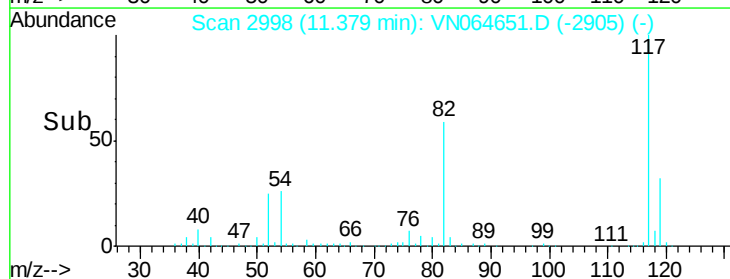
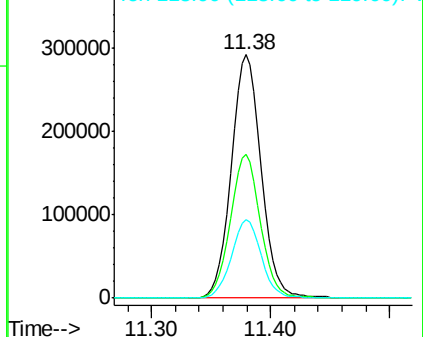
119 32.1 26.2 39.4

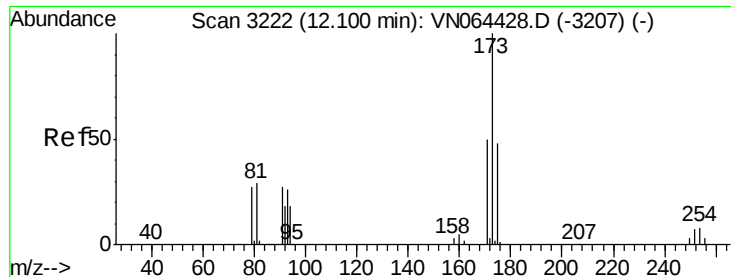


Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)





#71

Bromoform

Concen: 1.608 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampled :

VN1116WBL01

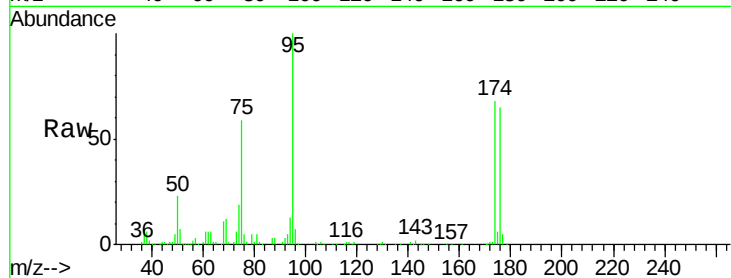
Tot Ion:173 Resp: 1064

Ion Ratio Lower Upper

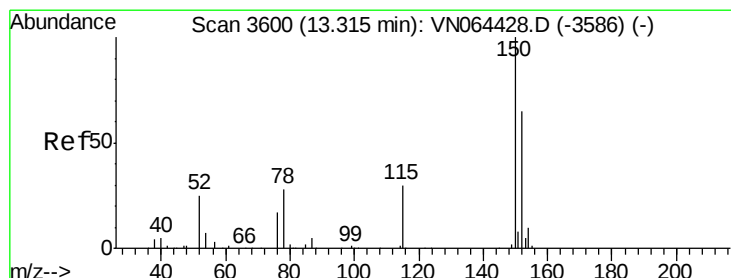
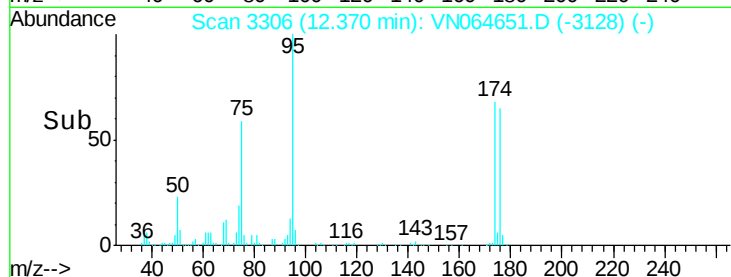
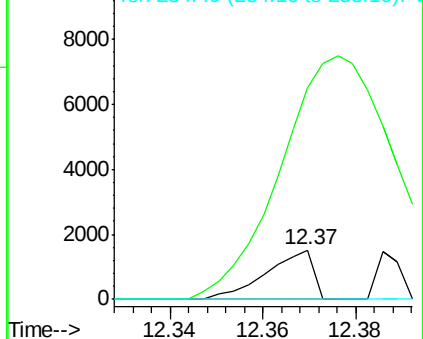
173 100

175 1006.2 23.7 71.1#

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# 3601

Delta R.T. 0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

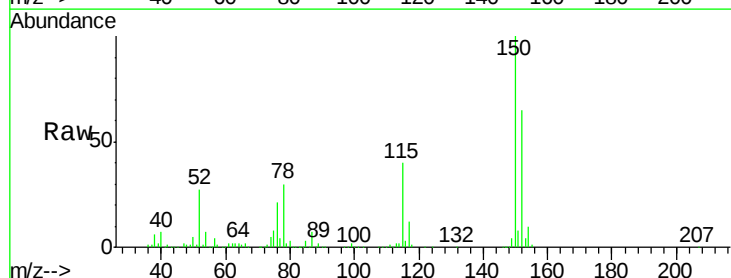
Tgt Ion:152 Resp: 186034

Ion Ratio Lower Upper

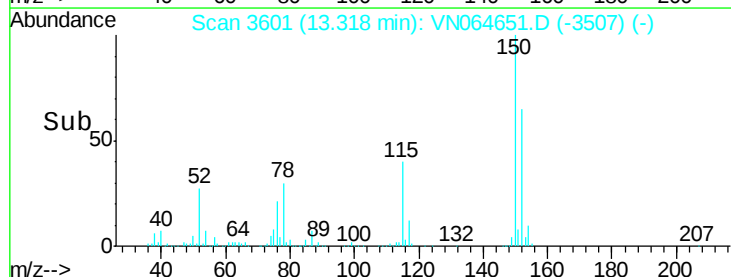
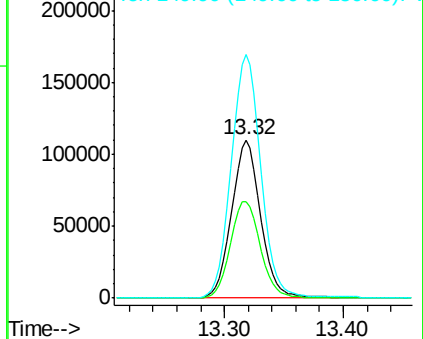
152 100

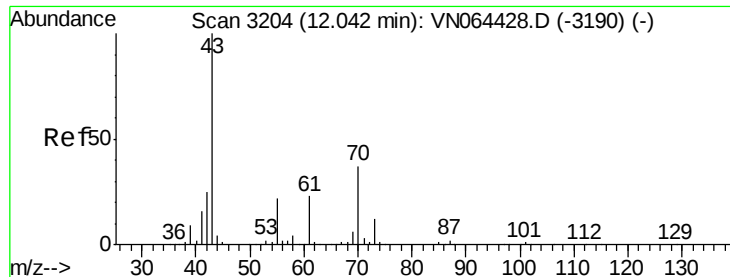
115 63.5 32.0 96.0

150 156.0 0.0 353.8



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





#74

N-amvl acetate

Concen: 1.224 ug/l

RT: 12.05 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

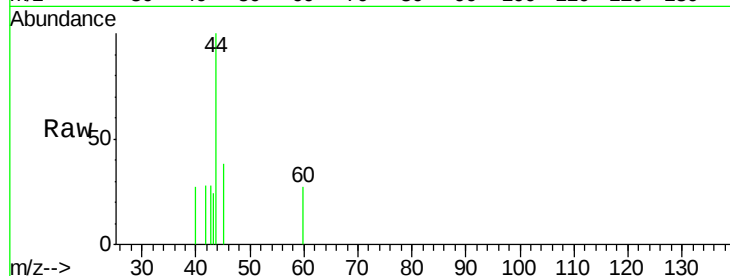
MSVOA_N

ClientSampleId :

VN1116WBL01

Tot Ion: 43 Resp: 68

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.6	44.4#
55	0.0	18.4	27.6#
61	0.0	17.8	26.6#

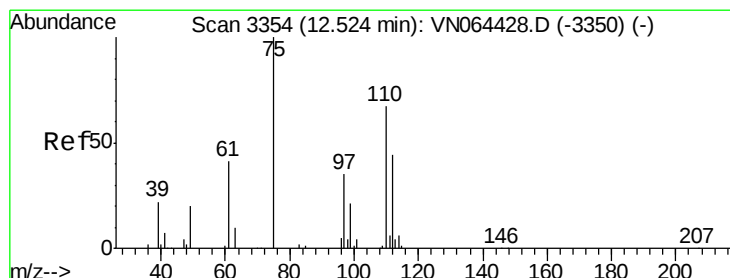
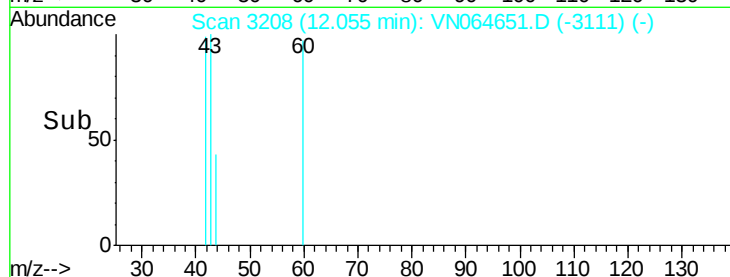
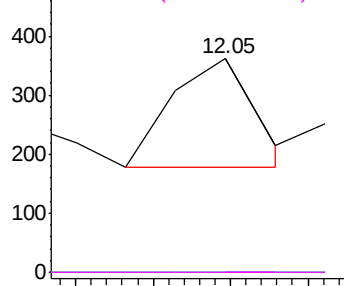


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 29.640 ug/l

RT: 12.38 min Scan# 3308

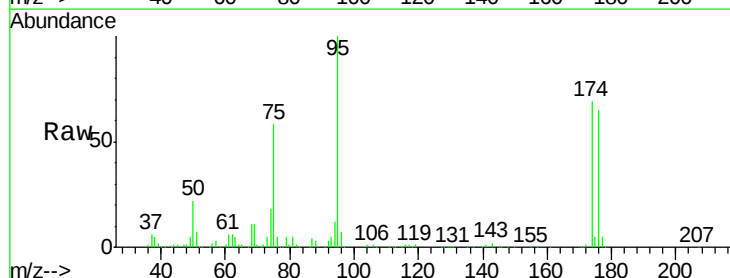
Delta R.T. -0.15 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

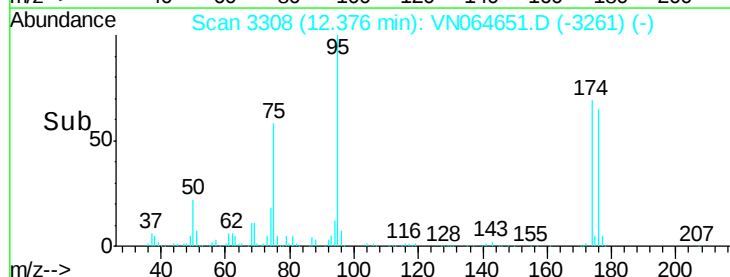
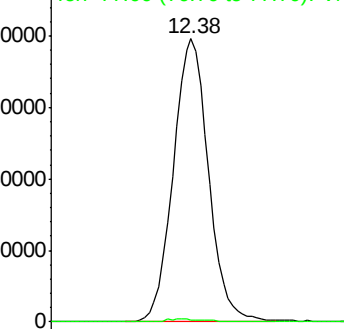
Tgt Ion: 75 Resp: 133599

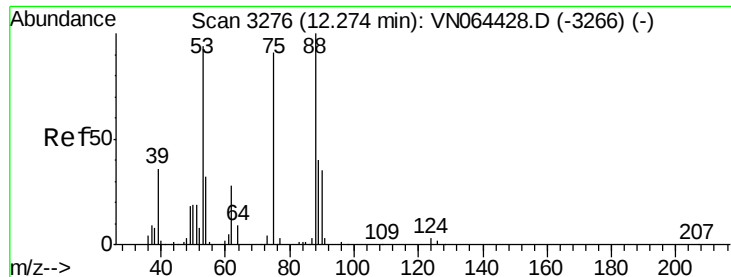
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 82.757 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampled :

VN1116WBL01

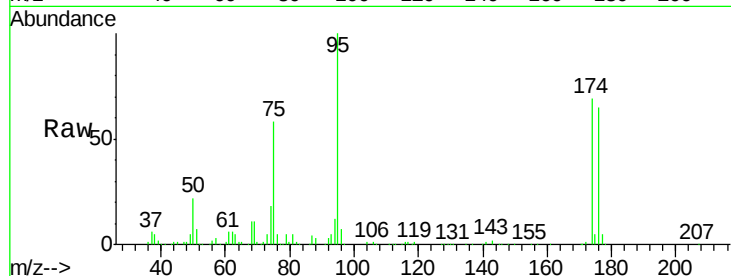
Tot Ion: 75 Resp: 133599

Ion Ratio Lower Upper

75 100

53 0.3 84.0 126.0#

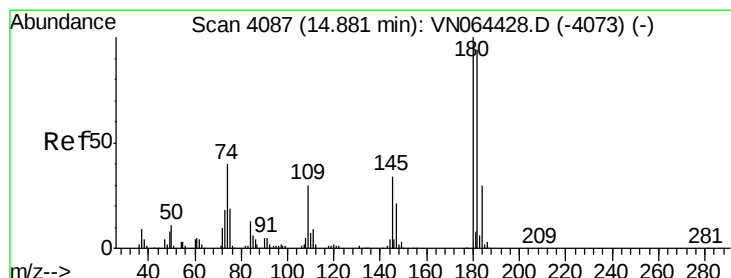
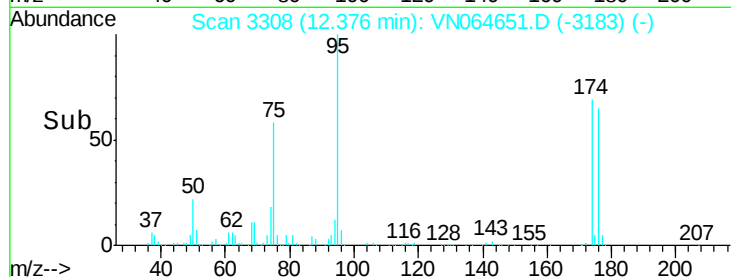
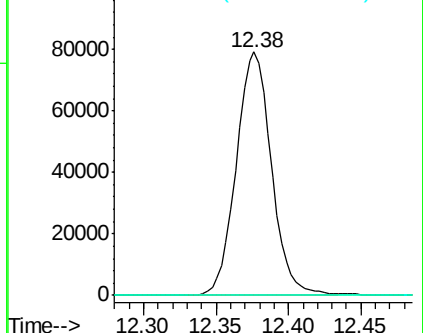
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064428.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064428.D (-3266) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.739 ug/l

RT: 14.89 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

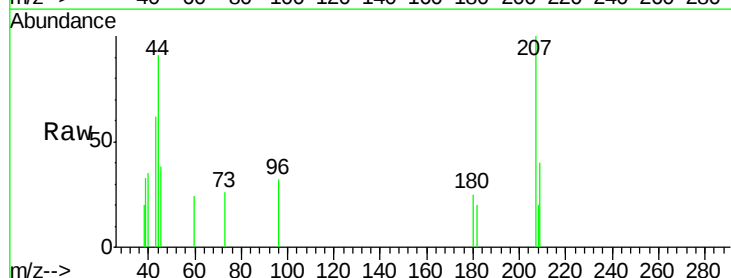
Tgt Ion: 180 Resp: 237

Ion Ratio Lower Upper

180 100

182 12.2 47.3 142.0#

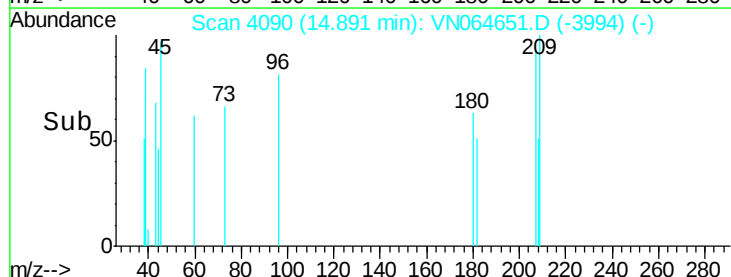
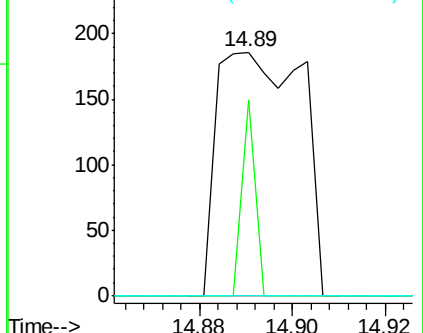
145 0.0 16.7 50.1#

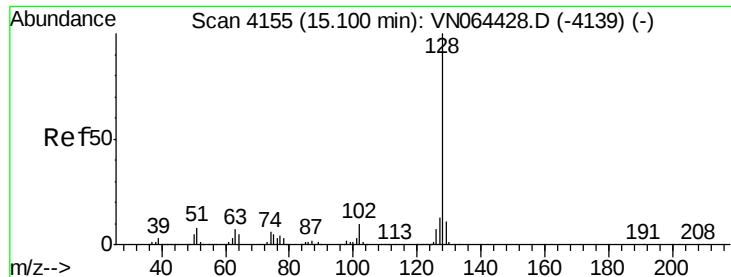


Abundance Ion 179.80 (179.50 to 180.50): VN064428.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN064428.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN064428.D (-4073) (-)





#95

Naphthalene

Concen: 3.658 ug/l

RT: 15.12 min Scan# 4161

Delta R.T. 0.02 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBL01

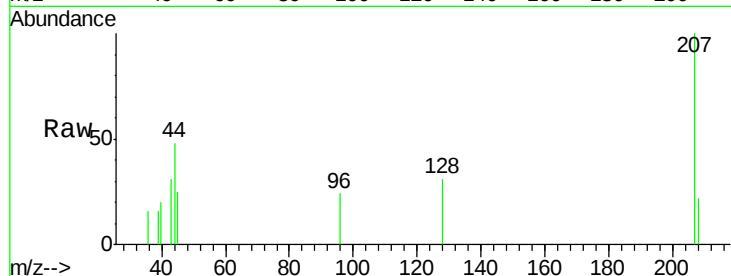
Tot Ion:128 Resp: 388

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

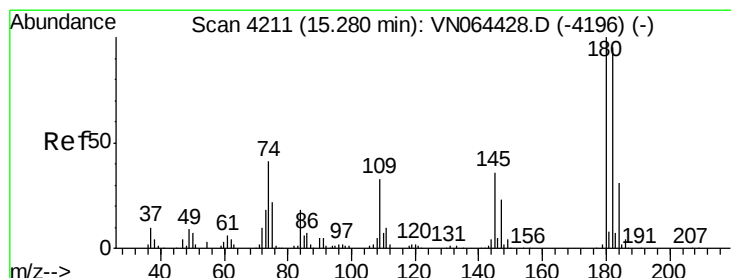
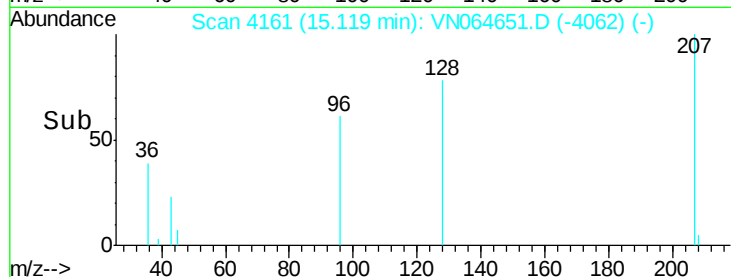
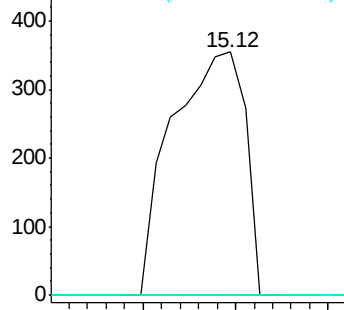
129 0.0 8.8 13.2#



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: 2.785 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN064651.D

Acq: 16 Nov 2020 10:18

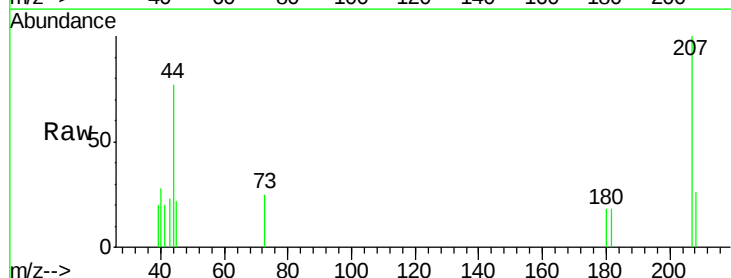
Tgt Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 47.7 143.1#

145 0.0 18.3 54.8#



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

