

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064664.D
 Acq On : 16 Nov 2020 16:48
 Operator : JC/MD
 Sample : L4772-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-111620

Quant Time: Nov 17 03:47:38 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	7.62	168	222855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	478897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166941	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	223363	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
35) Dibromofluoromethane	7.55	113	162835	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	10.06	98	585173	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.38	95	222805	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	

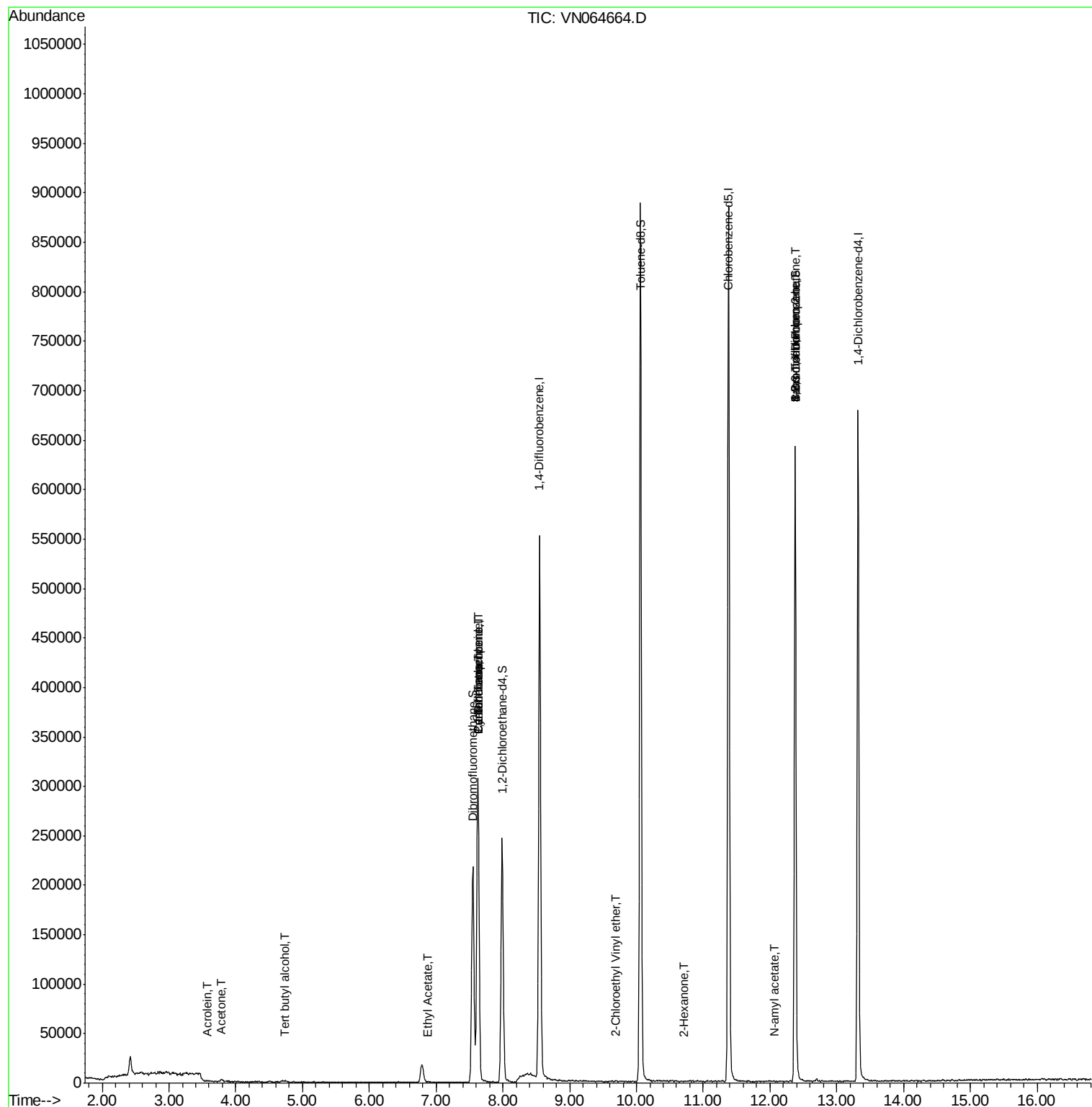
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	761	1.778	ug/l #	71
13) Acrolein	3.57	56	90	0.339	ug/l #	15
16) Acetone	3.78	43	1804	1.220	ug/l #	85
31) Cyclohexane	7.63	56	6545	1.387	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	22042	4.636	ug/l #	52
37) Ethyl Acetate	6.88	43	29	0.768	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26876	5.289	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.68	63	928	21.866	ug/l #	51
59) 2-Hexanone	10.71	43	344	4.120	ug/l #	28
71) Bromoform	12.37	173	246	1.357	ug/l #	1
74) N-amyl acetate	12.05	43	112	1.231	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	122835	30.368	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	122835	84.792	ug/l #	8

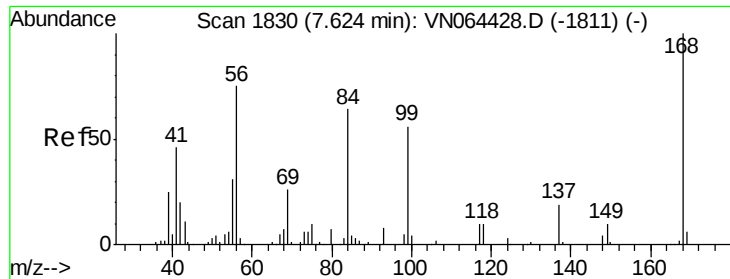
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampled :

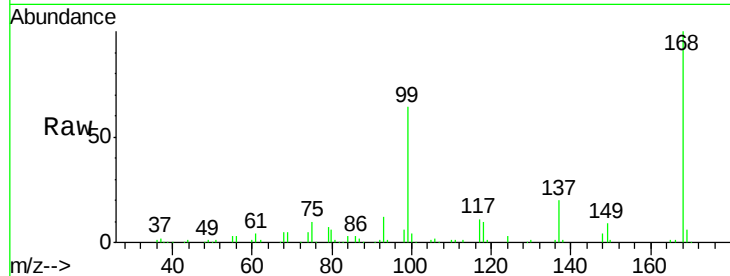
FB-111620

Tot Ion:168 Resp: 222855

Ion Ratio Lower Upper

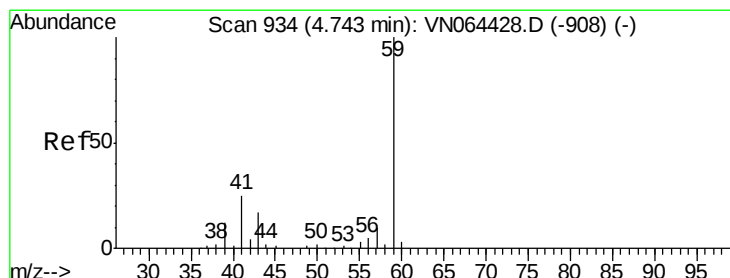
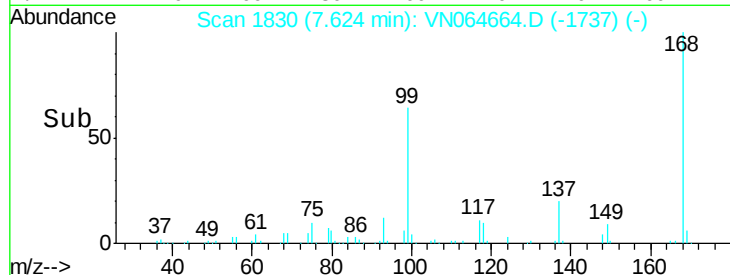
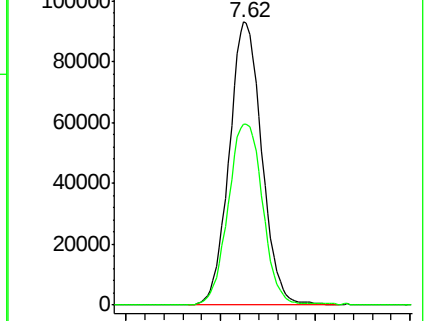
168 100

99 64.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 1.778 ug/l

RT: 4.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: VN064664.D

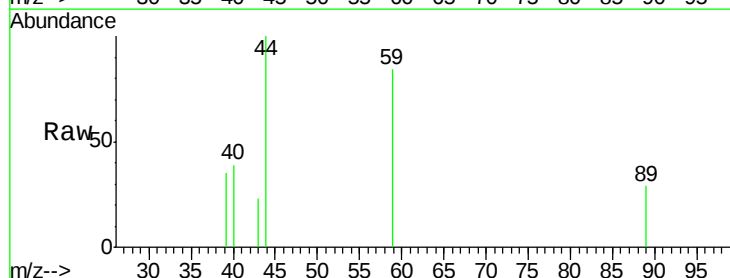
Acq: 16 Nov 2020 16:48

Tgt Ion: 59 Resp: 761

Ion Ratio Lower Upper

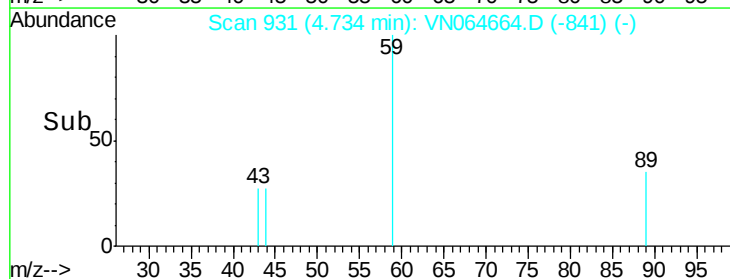
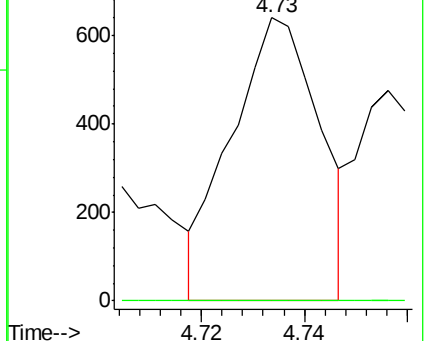
59 100

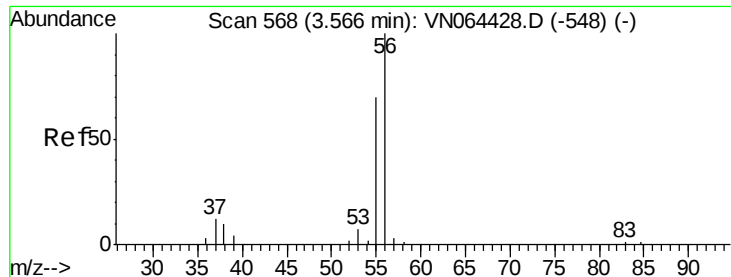
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.339 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

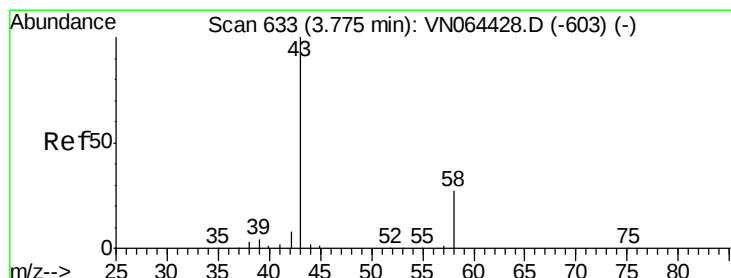
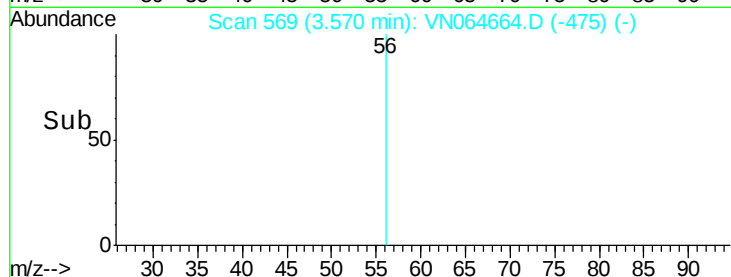
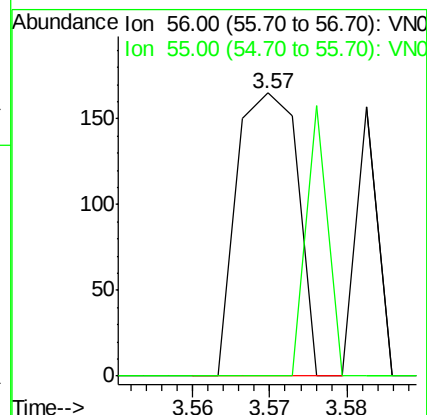
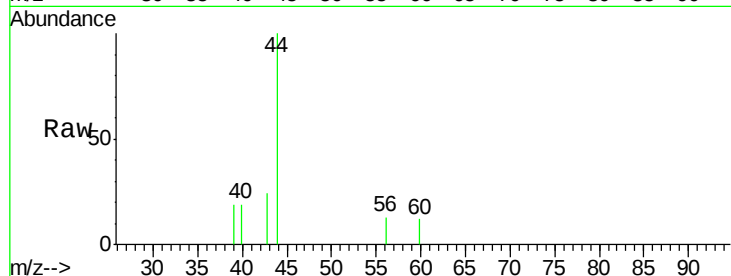
FB-111620

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



#16

Acetone

Concen: 1.220 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064664.D

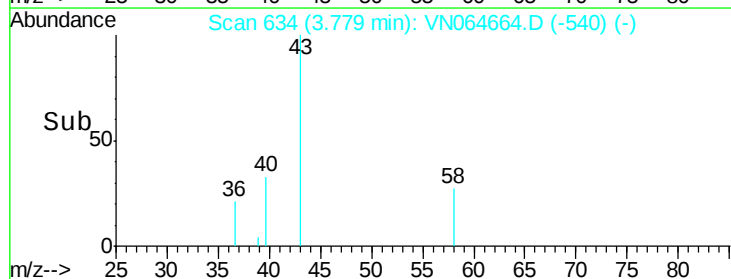
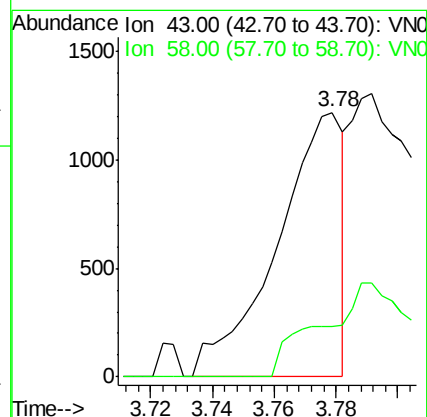
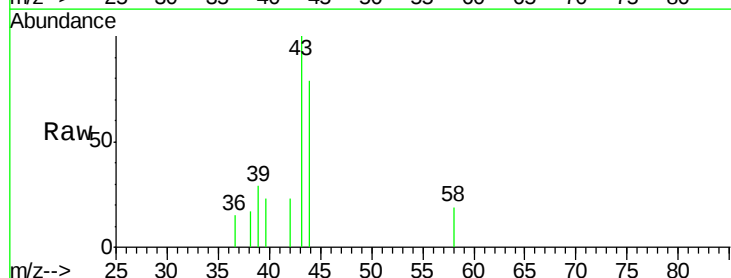
Acq: 16 Nov 2020 16:48

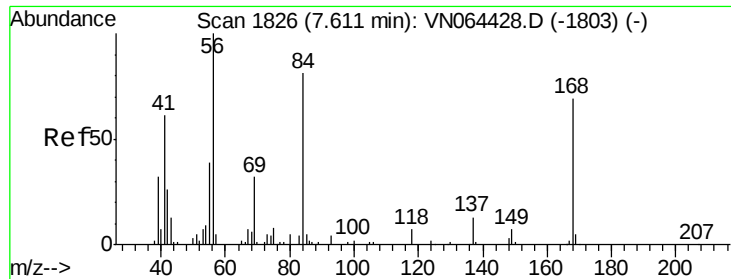
Tgt Ion: 43 Resp: 1804

Ion Ratio Lower Upper

43 100

58 19.0 21.4 32.0#

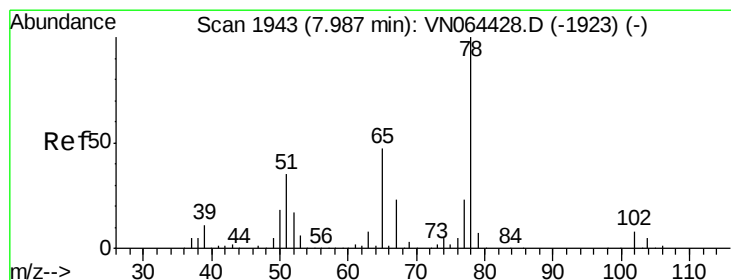
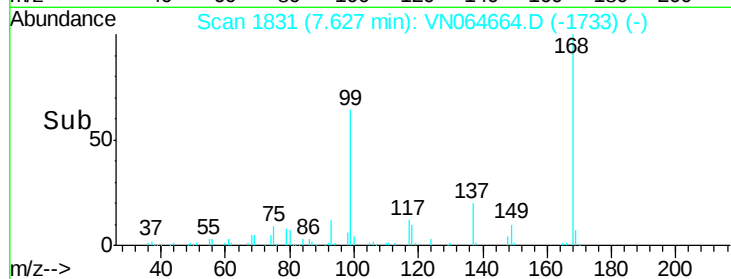
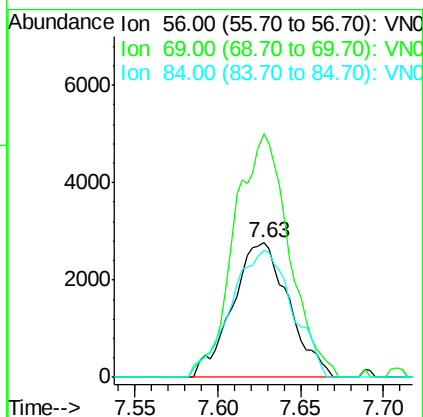
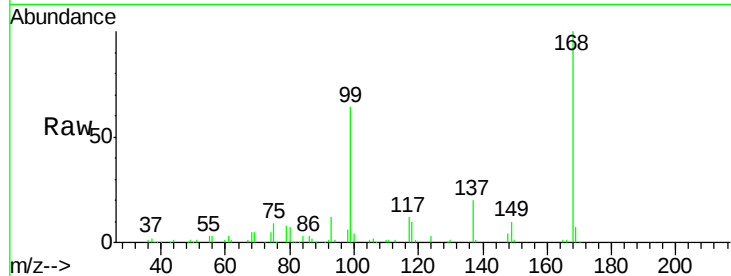




#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064664.D
Acq: 16 Nov 2020 16:48

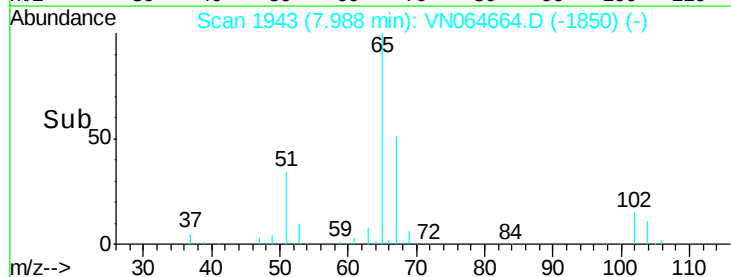
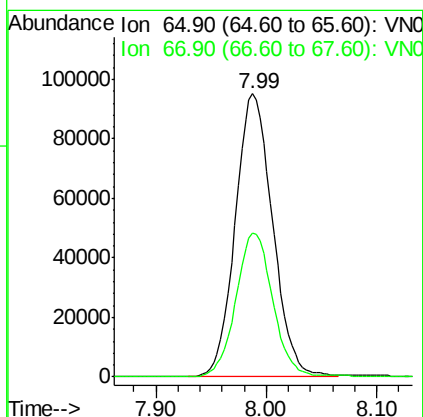
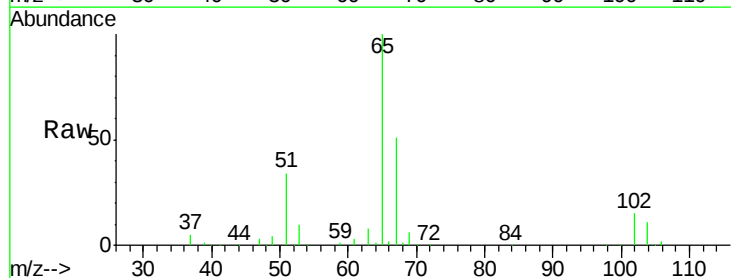
Instrument :
MSVOA_N
ClientSampled :
FB-111620

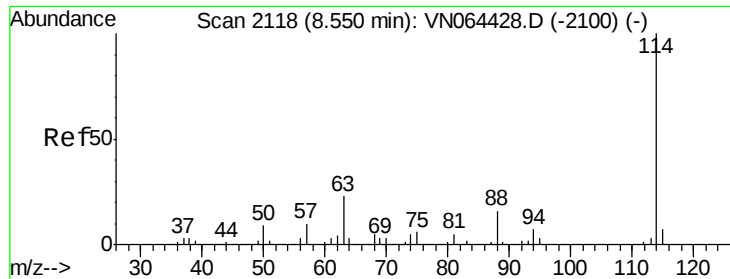
Tot Ion: 56 Resp: 6545
Ion Ratio Lower Upper
56 100
69 180.8 25.6 38.4#
84 94.7 63.0 94.6#



#33
1,2-Dichloroethane-d4
Concen: 57.541 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064664.D
Acq: 16 Nov 2020 16:48

Tgt Ion: 65 Resp: 223363
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.6

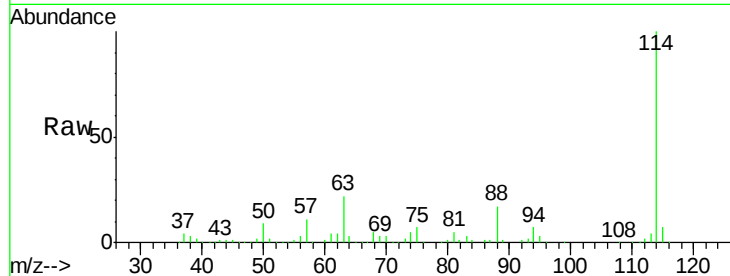




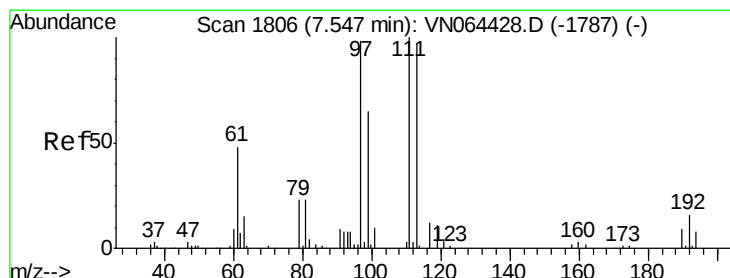
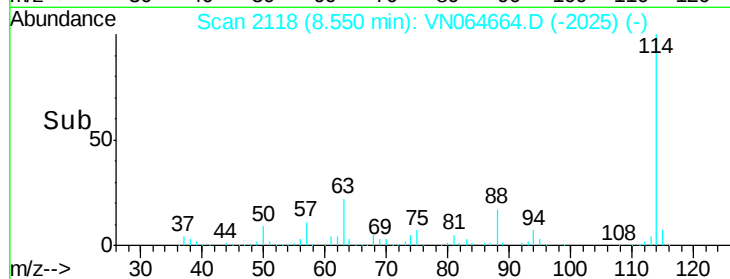
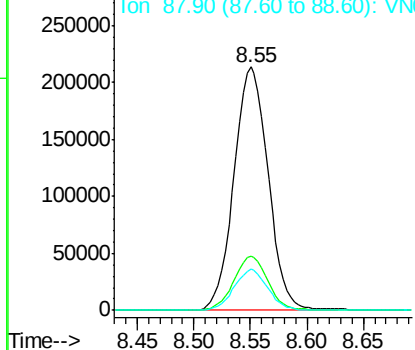
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064664.D
Acq: 16 Nov 2020 16:48

Instrument :
MSVOA_N
ClientSampled :
FB-111620

Tot Ion:114 Resp: 450064
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.6
88 16.9 0.0 32.8

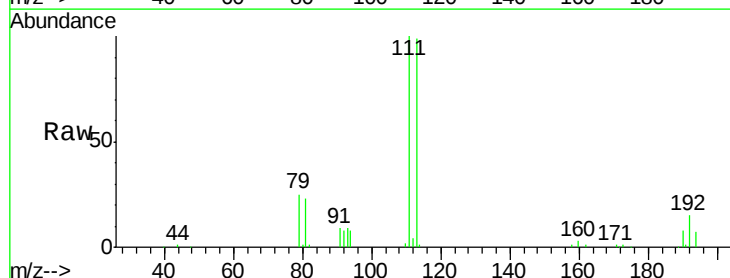


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

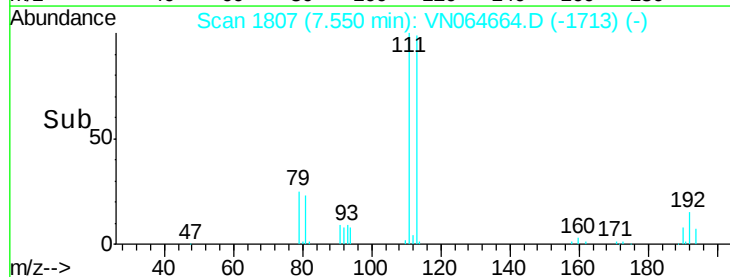
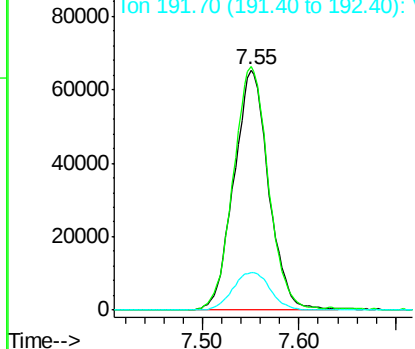


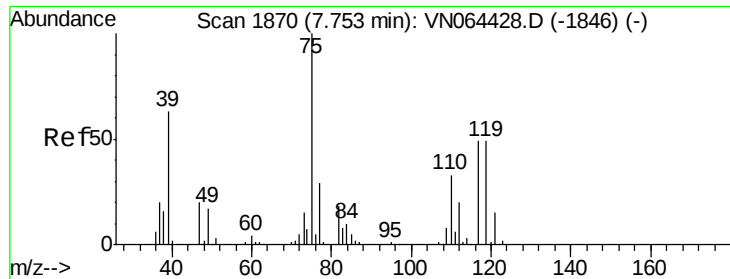
#35
Dibromofluoromethane
Concen: 53.139 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064664.D
Acq: 16 Nov 2020 16:48

Tgt Ion:113 Resp: 162835
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 16.9 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: 4.636 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

FB-111620

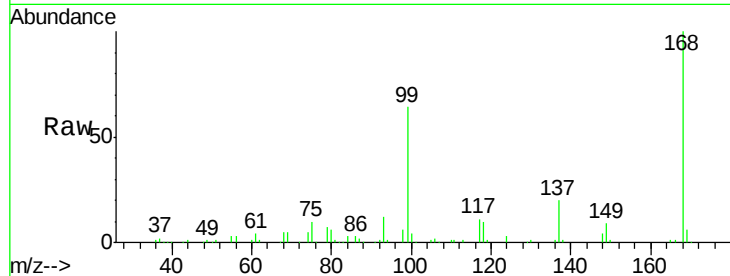
Tot Ion: 75 Resp: 22042

Ion Ratio Lower Upper

75 100

110 8.6 16.0 48.0#

77 0.0 24.0 36.0#

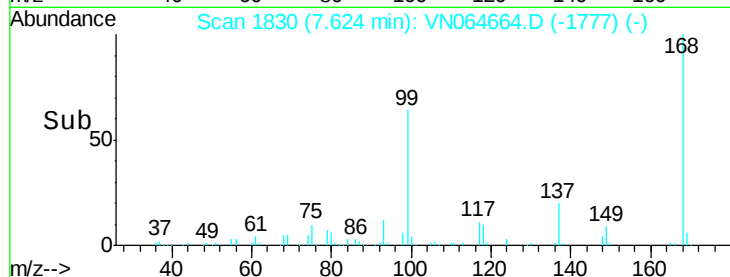


Abundance Ion 74.90 (74.60 to 75.60): VN064664.D (-1777) (-)

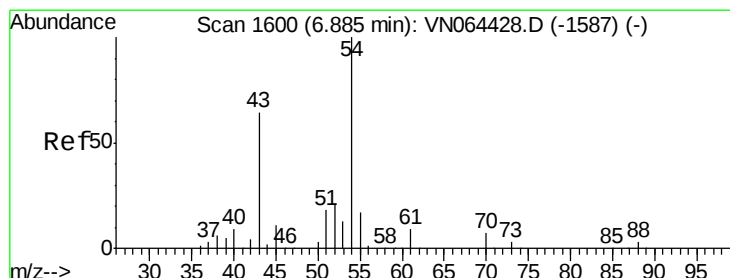
Ion 109.90 (109.60 to 110.60): VN064664.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064664.D (-1777) (-)

Time-->



Time-->



#37

Ethyl Acetate

Concen: 0.768 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

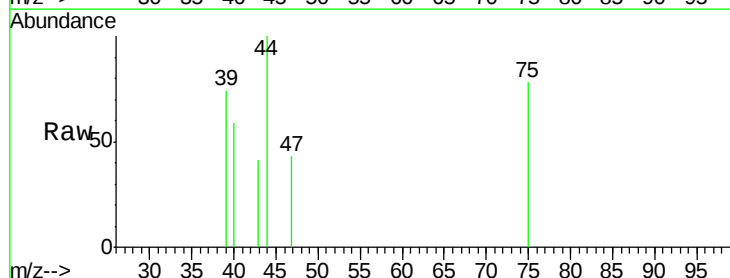
Tgt Ion: 43 Resp: 29

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

70 0.0 7.1 10.7#

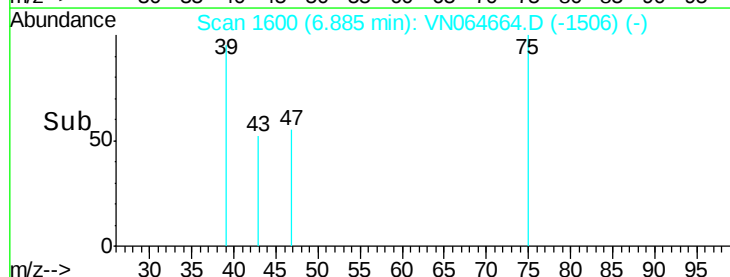


Abundance Ion 43.00 (42.70 to 43.70): VN064664.D (-1506) (-)

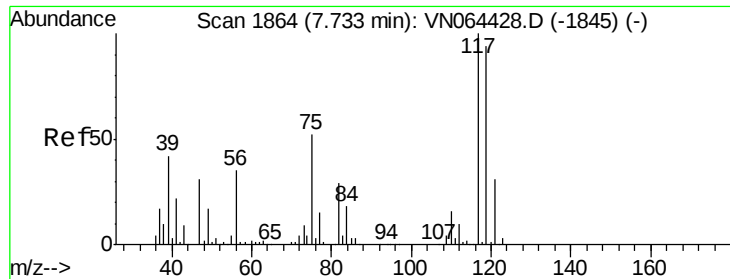
Ion 60.90 (60.60 to 61.60): VN064664.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN064664.D (-1506) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.289 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

FB-111620

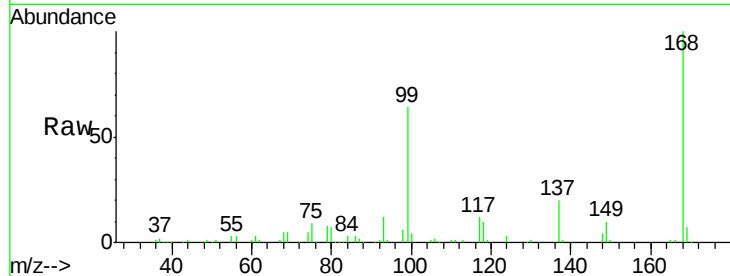
Tot Ion:117 Resp: 26876

Ion Ratio Lower Upper

117 100

119 7.0 75.5 113.3#

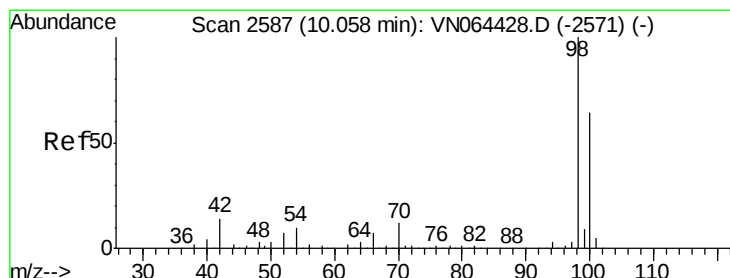
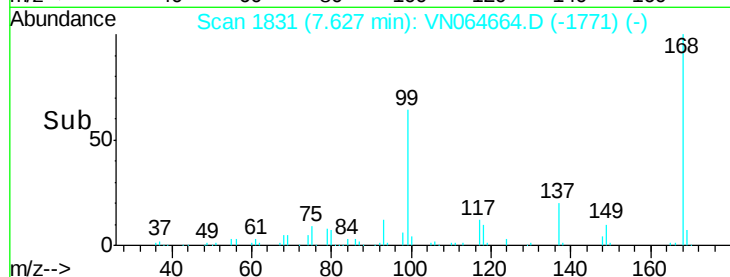
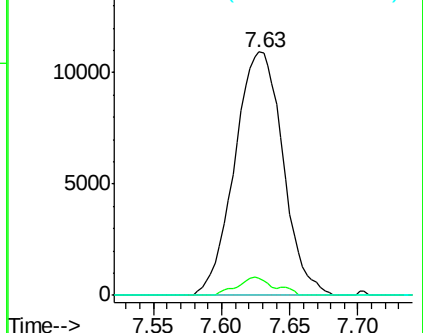
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 49.408 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064664.D

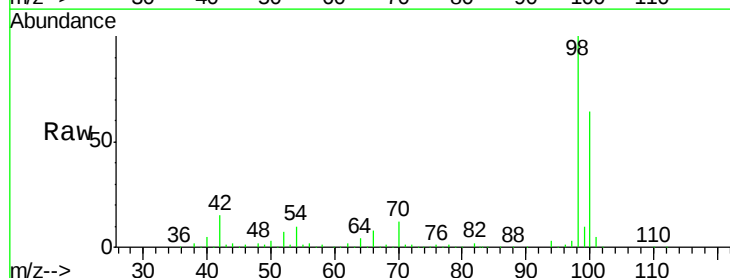
Acq: 16 Nov 2020 16:48

Tgt Ion: 98 Resp: 585173

Ion Ratio Lower Upper

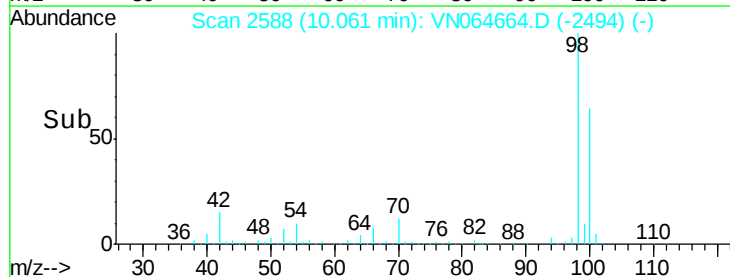
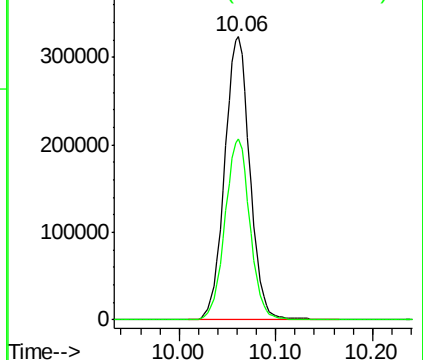
98 100

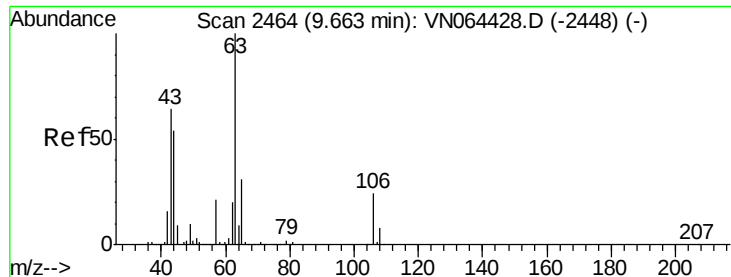
100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 21.866 ug/l

RT: 9.68 min Scan# 2469

Delta R.T. 0.02 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

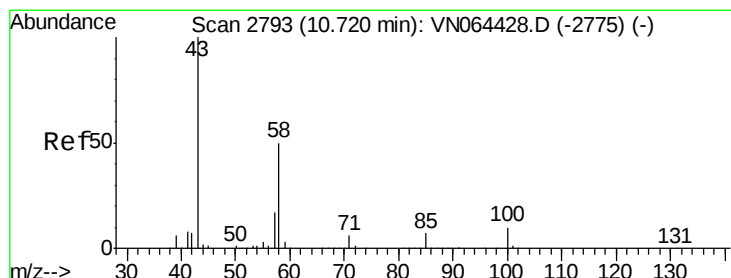
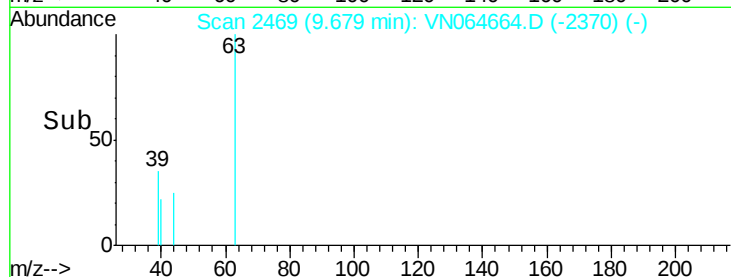
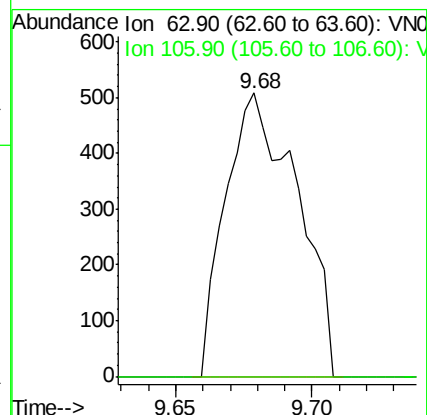
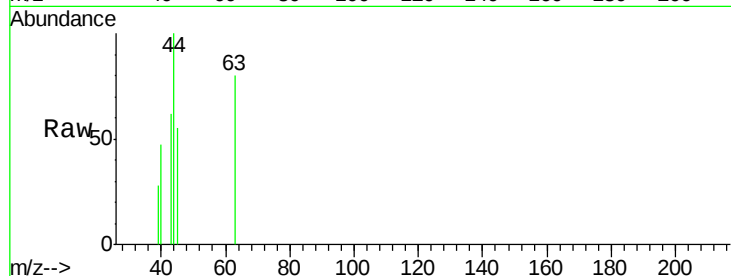
FB-111620

Tot Ion: 63 Resp: 928

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



#59

2-Hexanone

Concen: 4.120 ug/l

RT: 10.71 min Scan# 2790

Delta R.T. -0.01 min

Lab File: VN064664.D

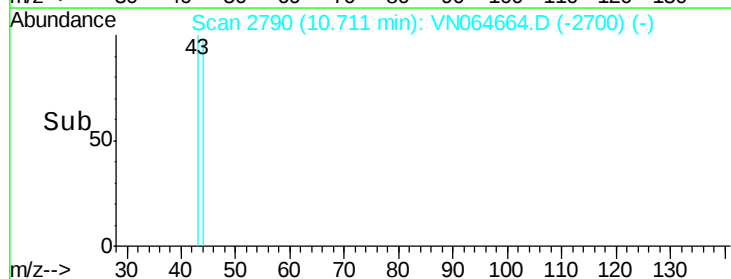
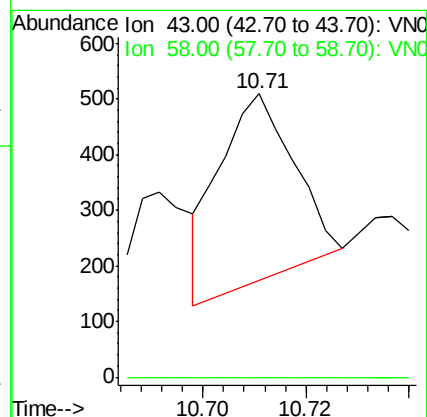
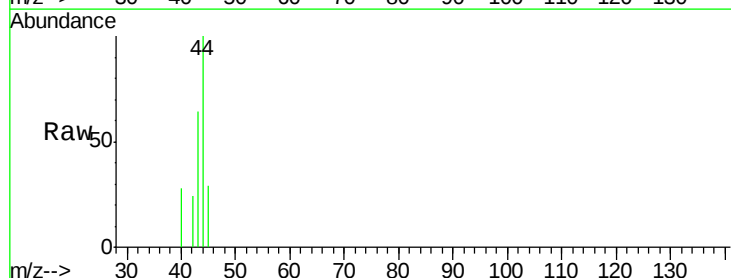
Acq: 16 Nov 2020 16:48

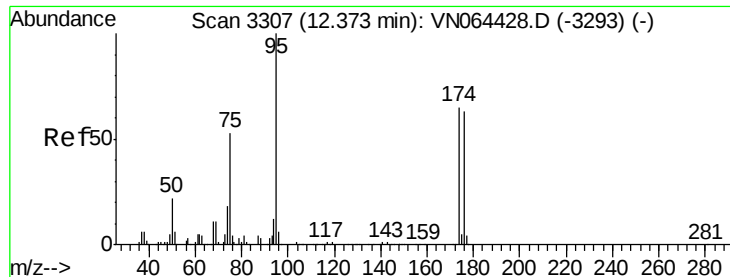
Tgt Ion: 43 Resp: 344

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 49.743 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

FB-111620

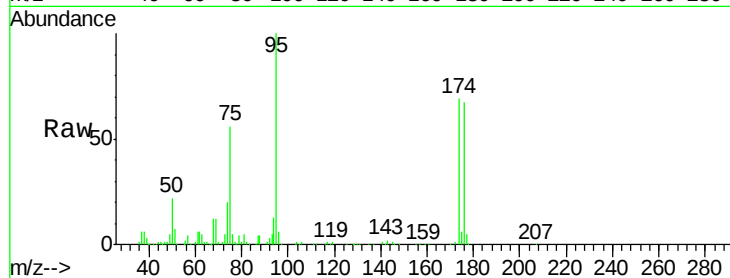
Tot Ion: 95 Resp: 222805

Ion Ratio Lower Upper

95 100

174 68.8 0.0 132.6

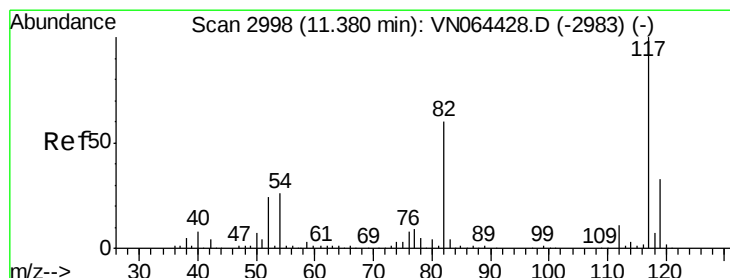
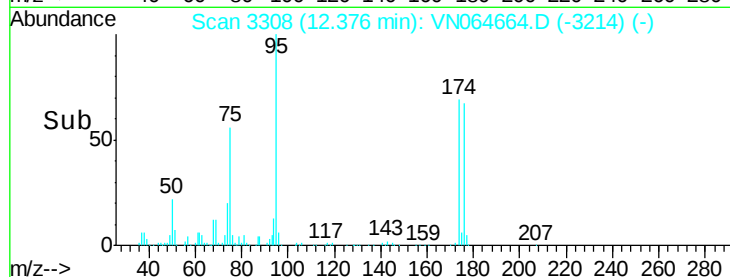
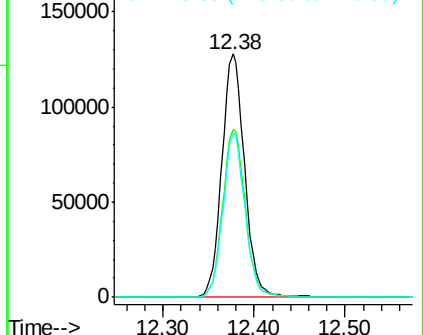
176 65.5 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

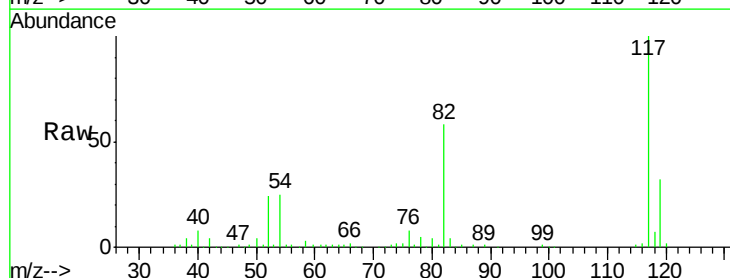
Tgt Ion: 117 Resp: 478897

Ion Ratio Lower Upper

117 100

82 57.9 48.1 72.1

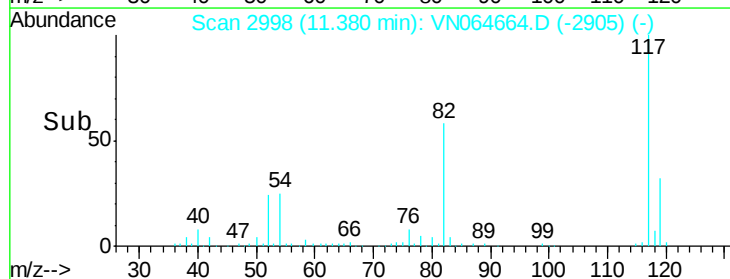
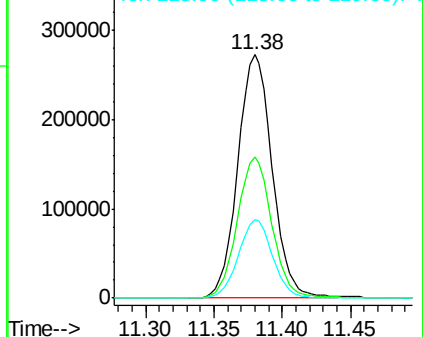
119 32.1 26.2 39.4

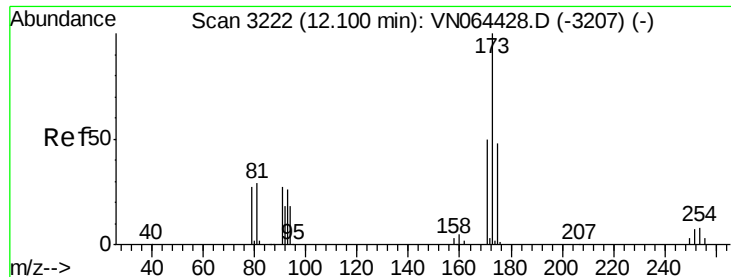


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 1.357 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampled :

FB-111620

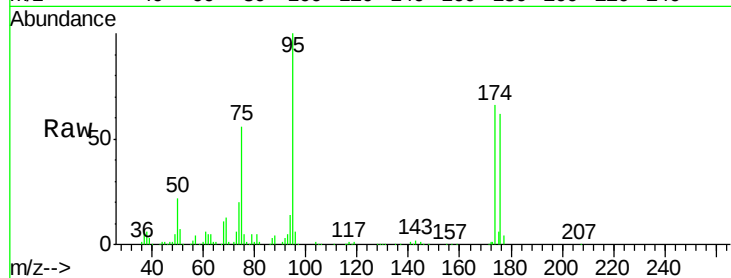
Tot Ion:173 Resp: 246

Ion Ratio Lower Upper

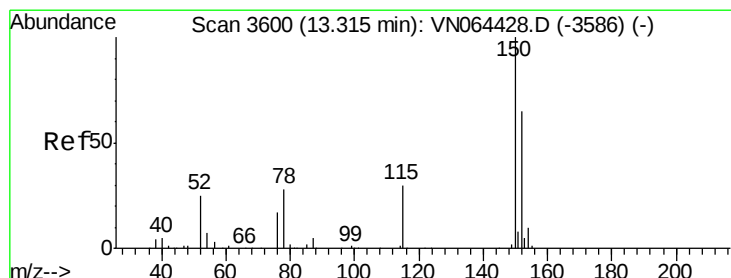
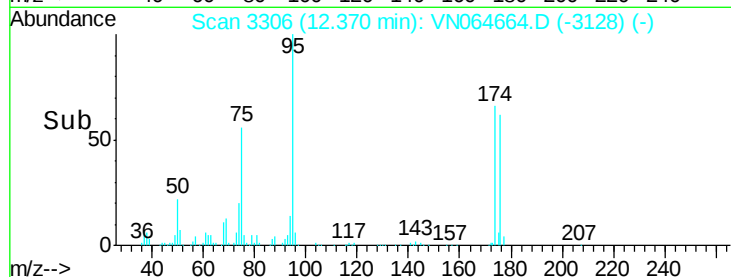
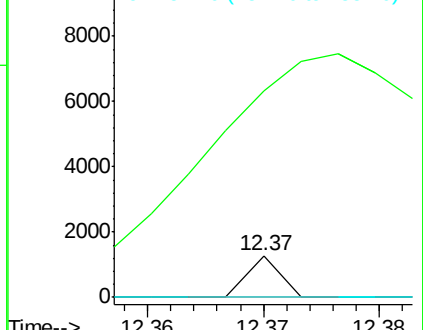
173 100

175 4181.3 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: VN064664.D

Acq: 16 Nov 2020 16:48

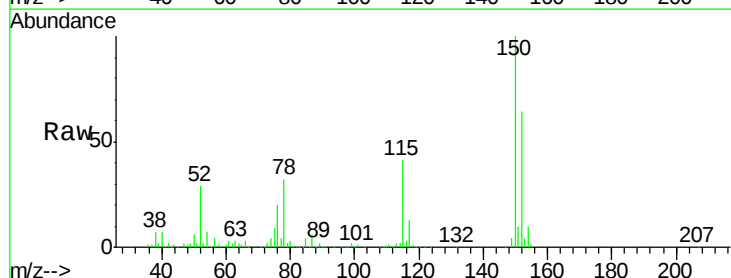
Tgt Ion:152 Resp: 166941

Ion Ratio Lower Upper

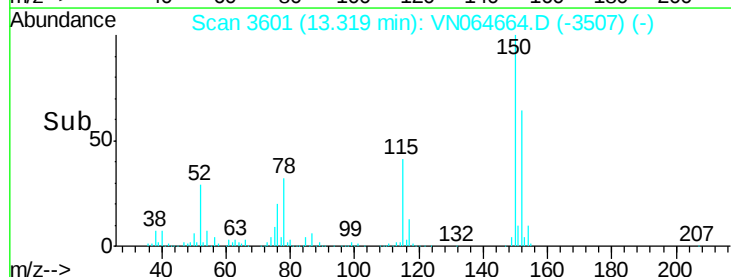
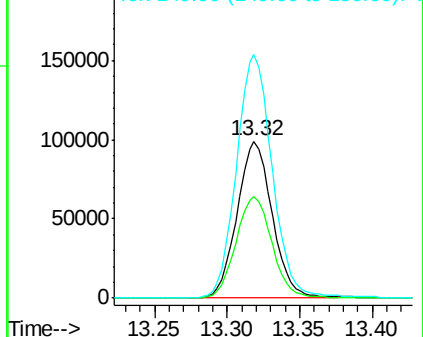
152 100

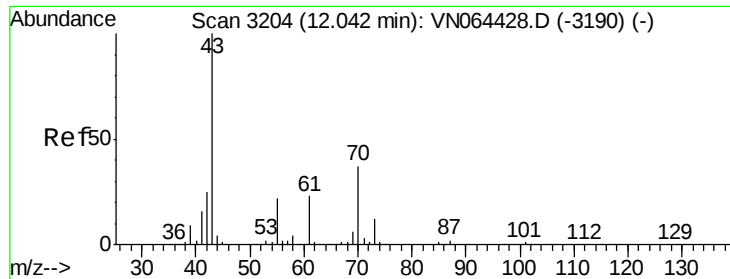
115 66.1 32.0 96.0

150 158.7 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

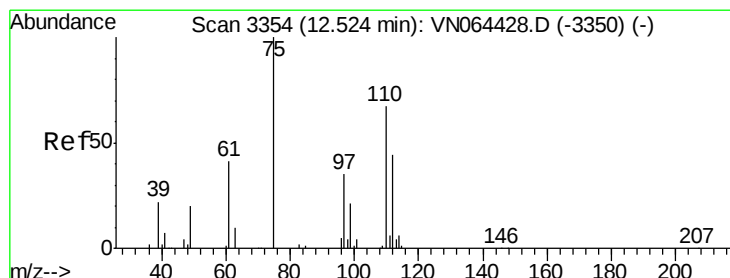
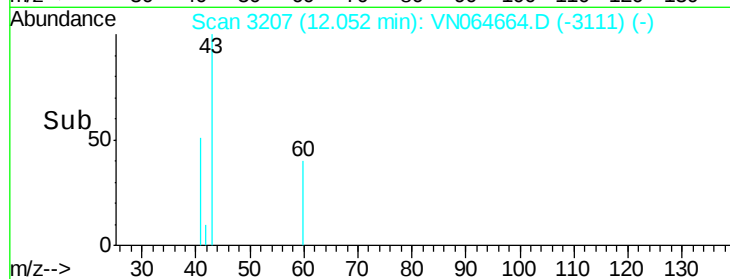
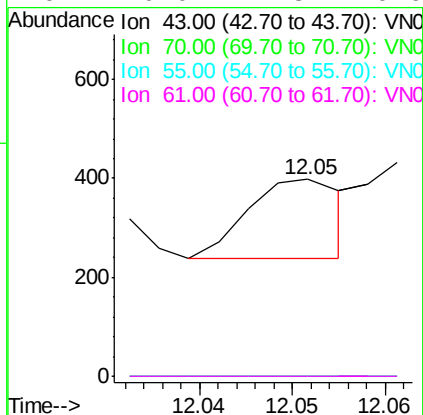
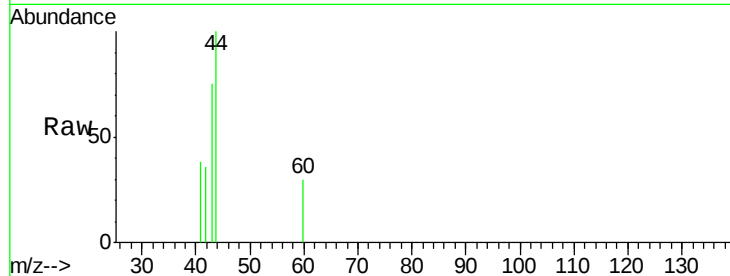




#74
N-amvl acetate
Concen: 1.231 ug/l
RT: 12.05 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VN064664.D
Acq: 16 Nov 2020 16:48

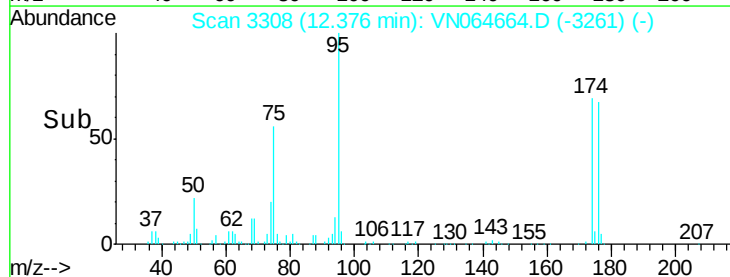
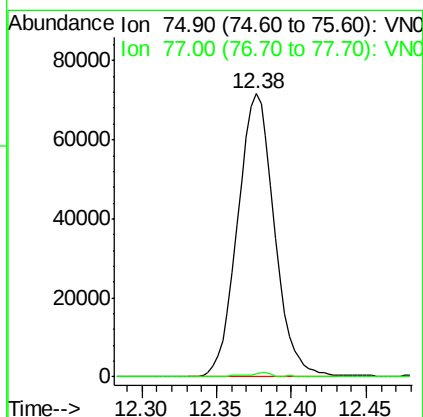
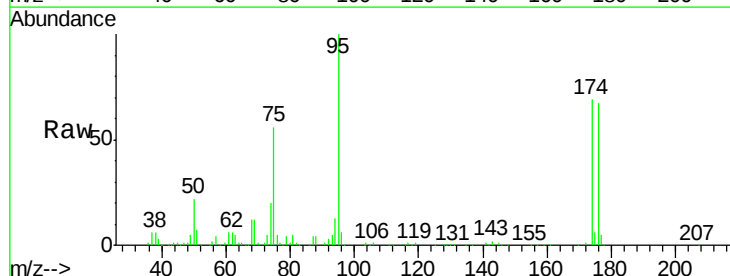
Instrument :
MSVOA_N
ClientSampled :
FB-111620

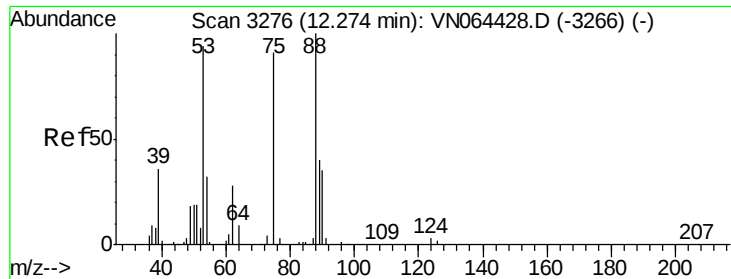
Tot Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
70 0.0 29.6 44.4#
55 0.0 18.4 27.6#
61 0.0 17.8 26.6#



#76
1,2,3-Trichloropropane
Concen: 30.368 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064664.D
Acq: 16 Nov 2020 16:48

Tgt Ion: 75 Resp: 122835
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 84.792 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064664.D

Acq: 16 Nov 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

FB-111620

Tot Ion: 75 Resp: 122835

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#

