

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\
 Data File : VN063764.D
 Acq On : 1 Oct 2020 12:05
 Operator : JC/MD
 Sample : VN1001WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL01

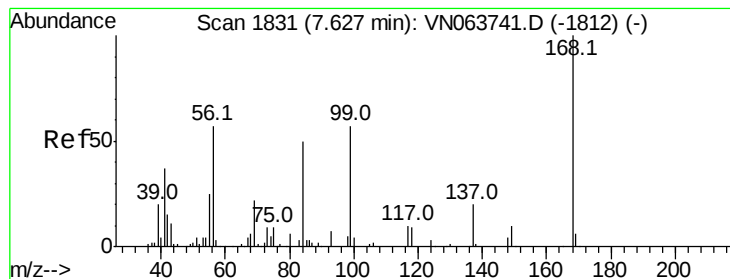
Quant Time: Oct 02 02:12:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	224017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	418132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172960	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	188973	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
35) Dibromofluoromethane	7.55	113	137181	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	10.06	98	524080	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.38	95	210069	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	375	0.214	ug/l #	4
17) Carbon Disulfide	4.02	76	612	0.800	ug/l #	76
20) Methylene Chloride	4.52	84	1268	0.583	ug/l #	65
25) 2-Butanone	6.78	43	459	0.284	ug/l #	51
29) Tetrahydrofuran	7.17	42	242	0.223	ug/l #	36
31) Cyclohexane	7.62	56	6652	1.548	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	21159	5.129	ug/l #	52
38) Carbon Tetrachloride	7.63	117	25179	5.443	ug/l #	13
51) 4-Methyl-2-Pentanone	10.06	43	3219	0.811	ug/l #	1
74) N-amyl acetate	12.05	43	71	2.227	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	118222	31.007	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118222	89.306	ug/l #	6
95) Naphthalene	15.10	128	396	1.965	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

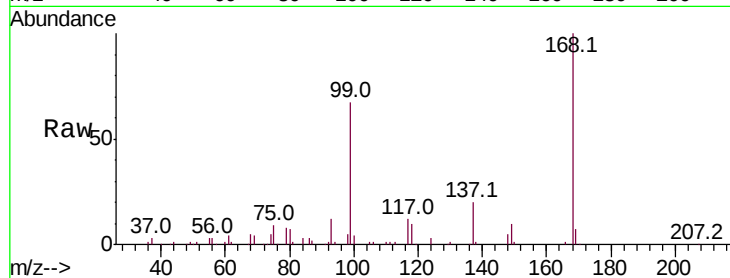
VN1001WBL01

Tot Ion:168 Resp: 224017

Ion Ratio Lower Upper

168 100

99 66.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

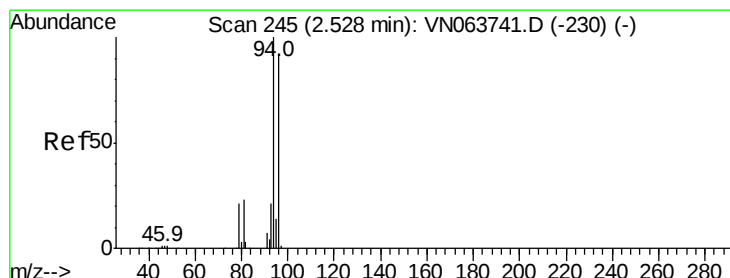
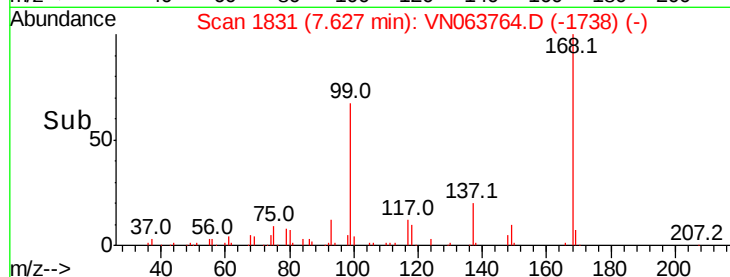
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.214 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.02 min

Lab File: VN063764.D

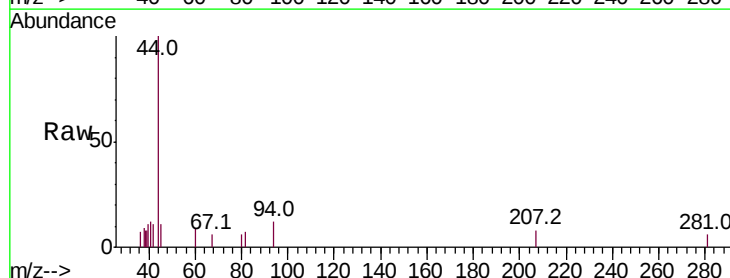
Acq: 1 Oct 2020 12:05

Tgt Ion: 94 Resp: 375

Ion Ratio Lower Upper

94 100

96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

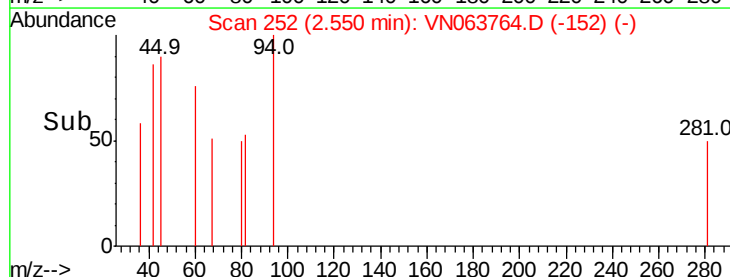
300

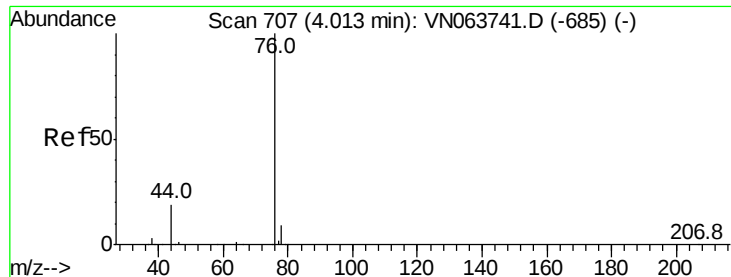
200

100

0

Time--> 2.52 2.54 2.56 2.58

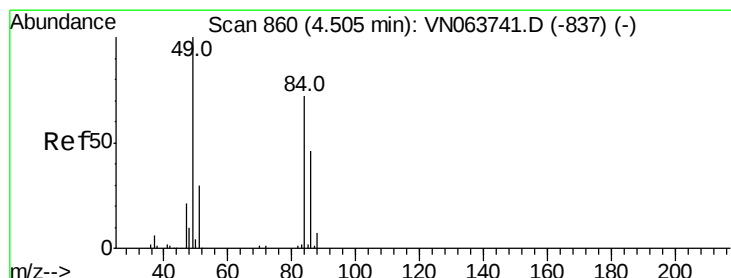
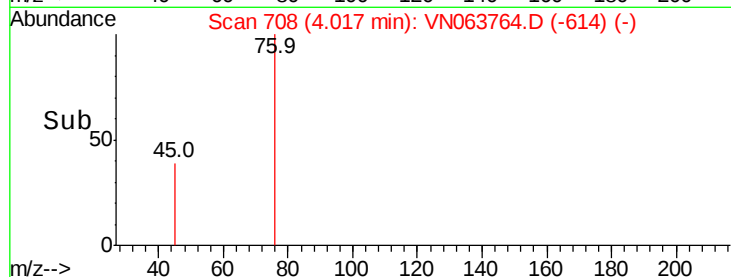
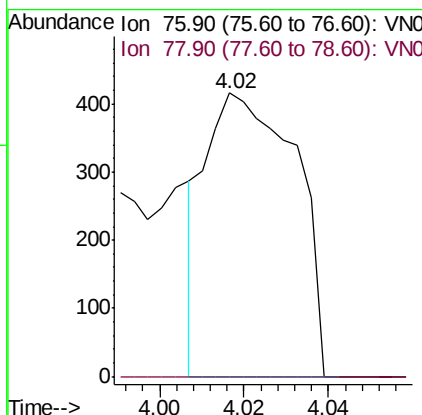
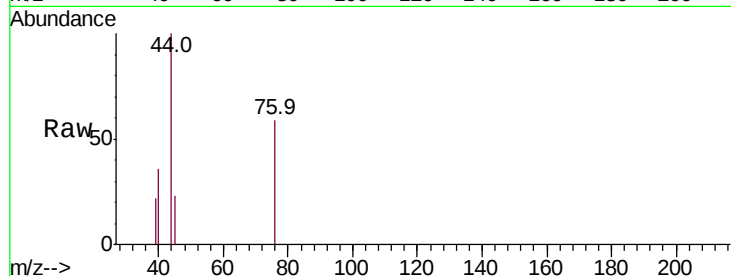




#17
Carbon Disulfide
Concen: 0.800 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063764.D
Acq: 1 Oct 2020 12:05

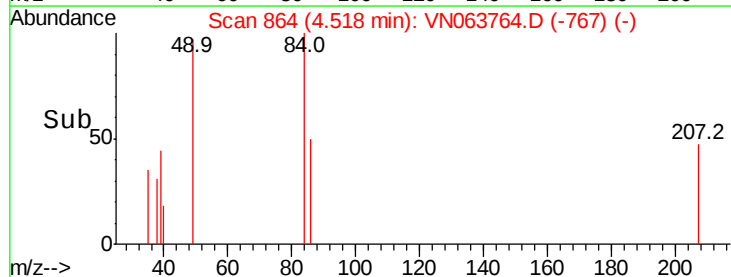
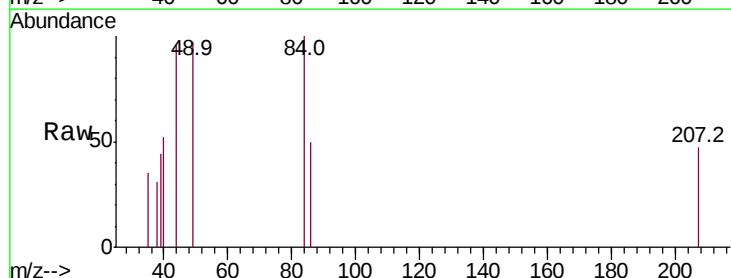
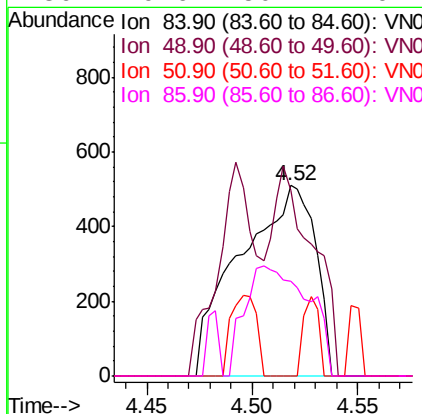
Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL01

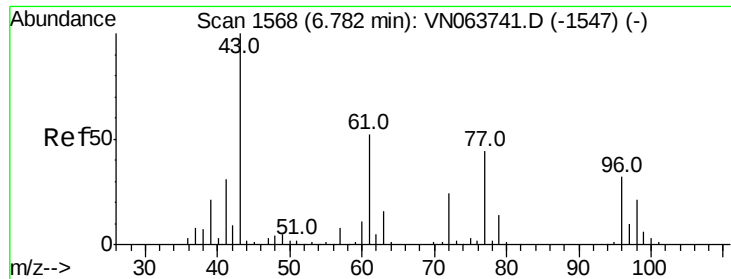
Tot Ion: 76 Resp: 612
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 0.583 ug/l
RT: 4.52 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN063764.D
Acq: 1 Oct 2020 12:05

Tgt Ion: 84 Resp: 1268
Ion Ratio Lower Upper
84 100
49 97.3 110.4 165.6#
51 0.0 33.3 49.9#
86 49.6 50.7 76.1#





#25

2-Butanone

Concen: 0.284 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

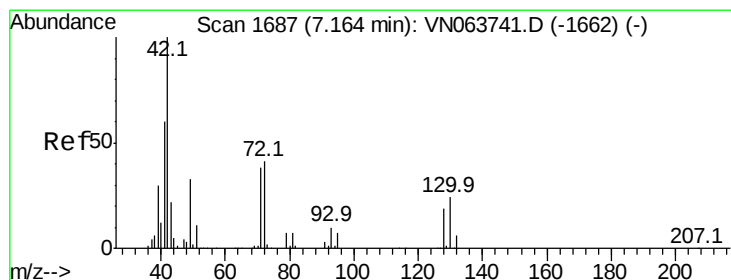
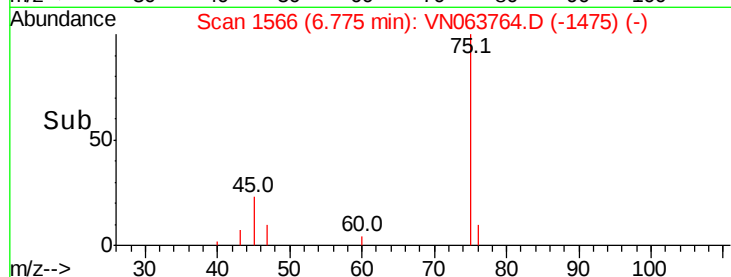
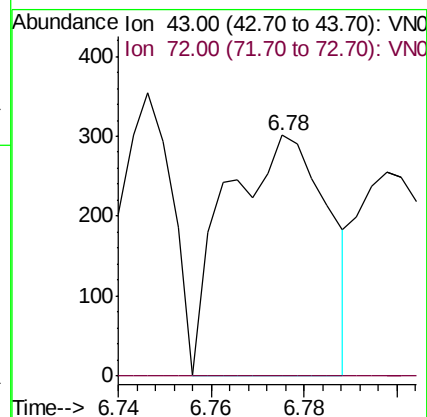
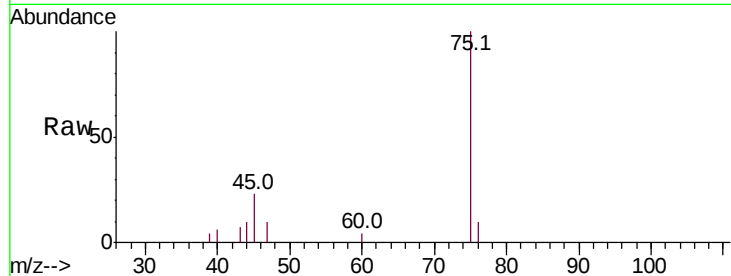
VN1001WBL01

Tot Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

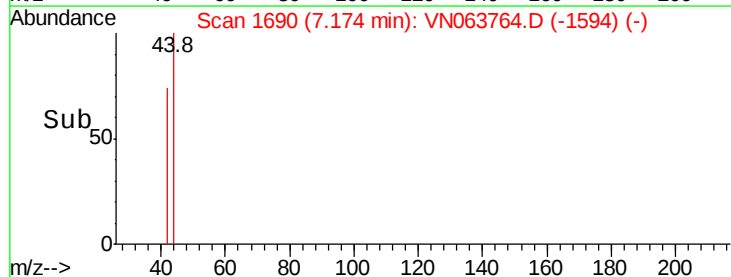
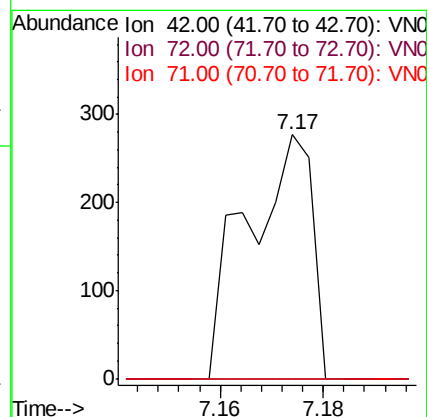
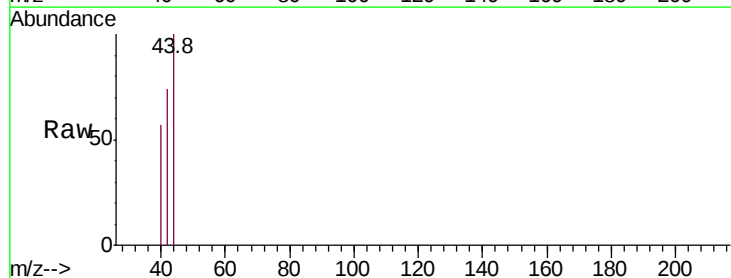
Tgt Ion: 42 Resp: 242

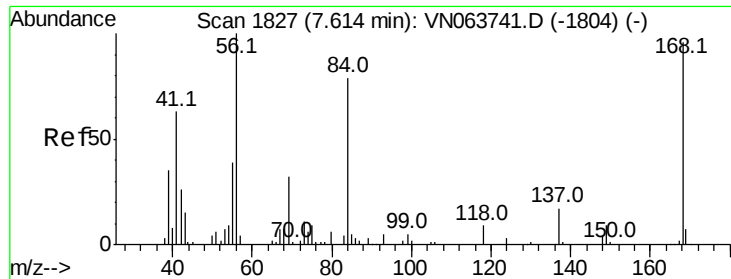
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 30.6 45.8#

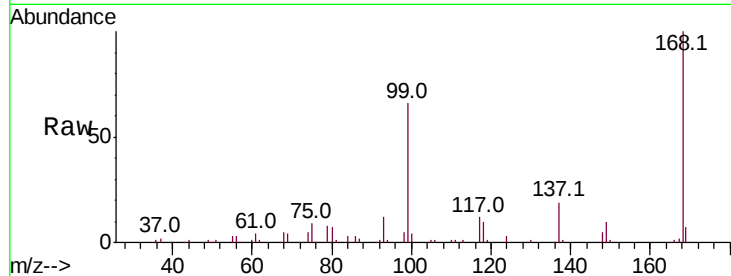




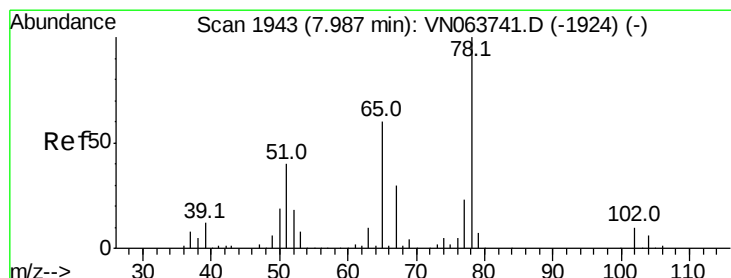
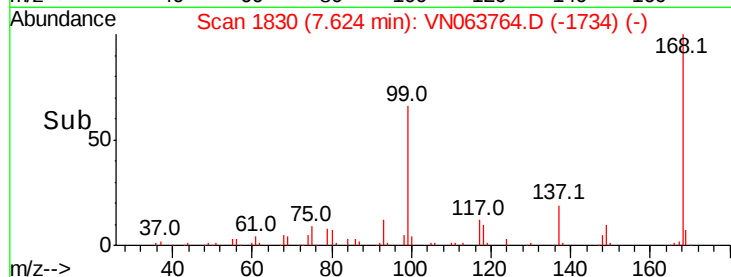
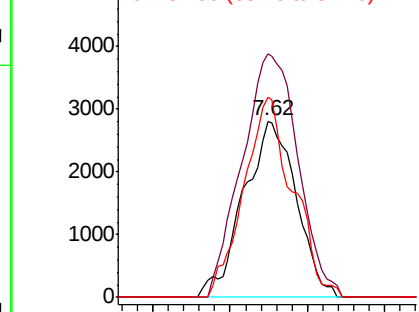
#31
Cyclohexane
Concen: 1.548 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063764.D
Acq: 1 Oct 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBL01

Tot Ion: 56 Resp: 6652
Ion Ratio Lower Upper
56 100
69 138.3 25.4 38.2#
84 114.0 63.3 94.9#

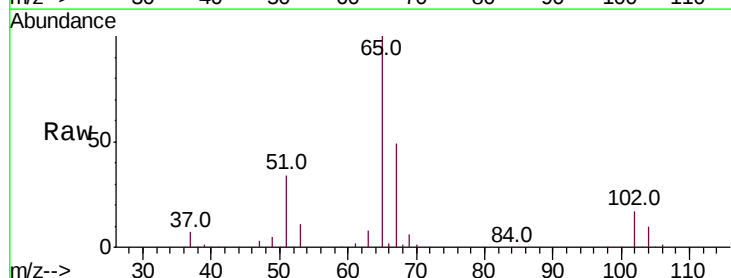


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

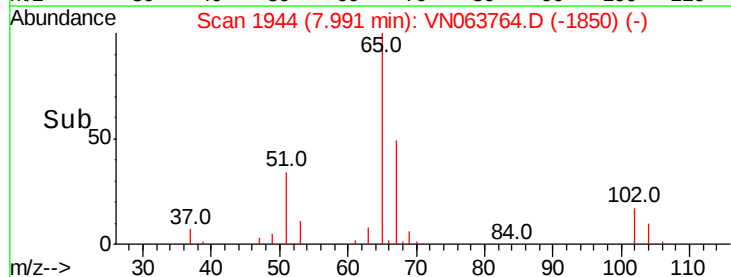
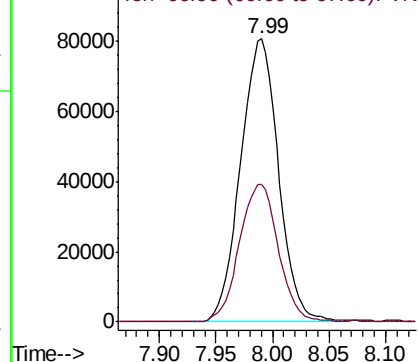


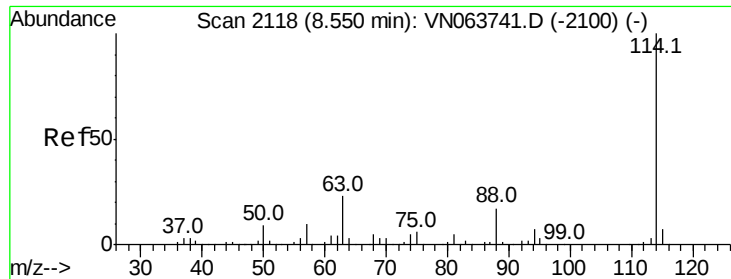
#33
1,2-Dichloroethane-d4
Concen: 51.061 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063764.D
Acq: 1 Oct 2020 12:05

Tgt Ion: 65 Resp: 188973
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.6



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: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01

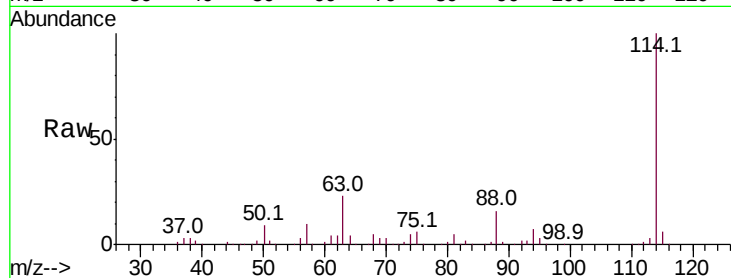
Tot Ion:114 Resp: 407181

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

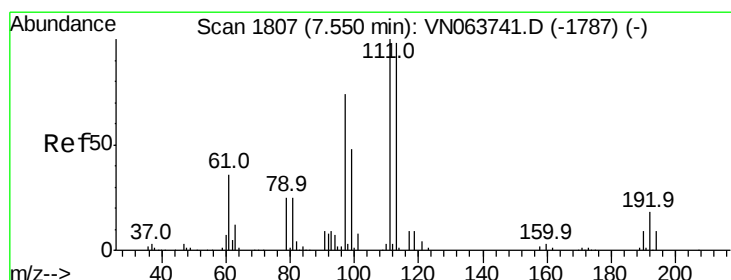
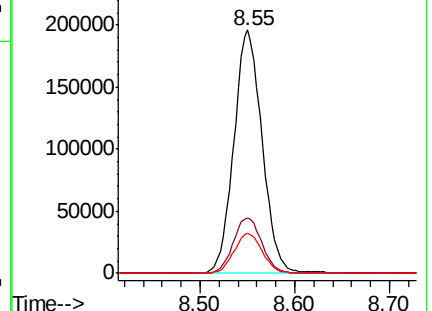
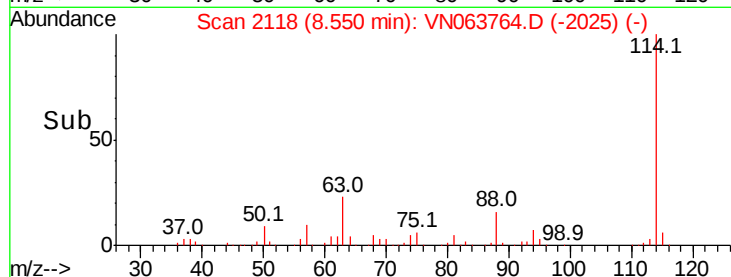
88 16.4 0.0 34.0



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: 48.554 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

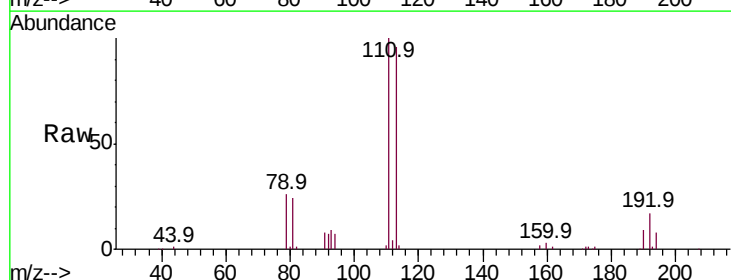
Tgt Ion:113 Resp: 137181

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

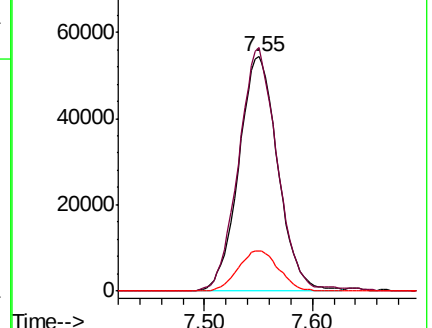
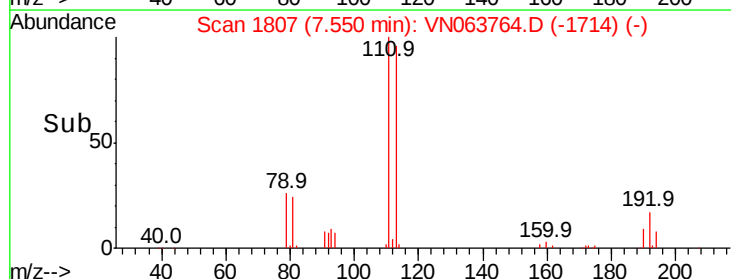
192 17.9 14.2 21.2

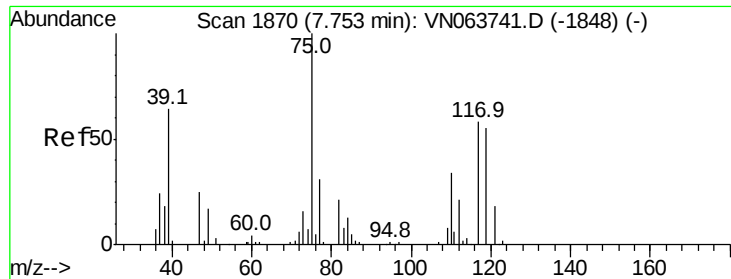


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

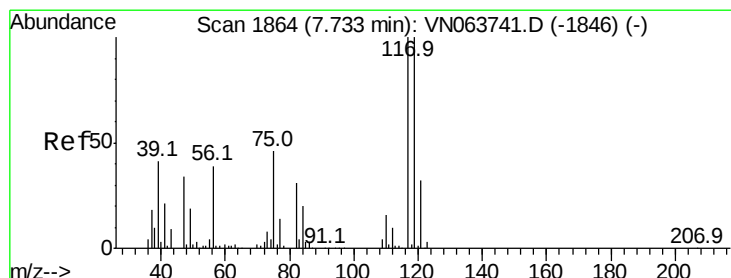
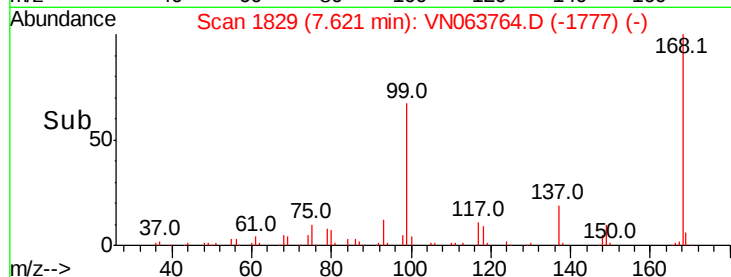
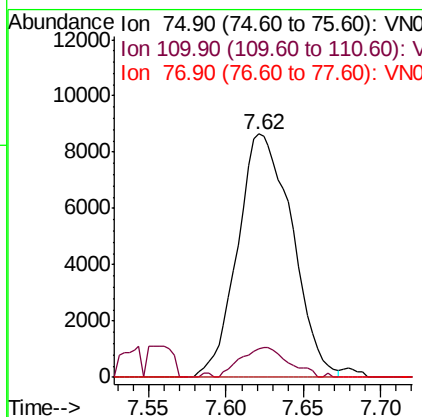
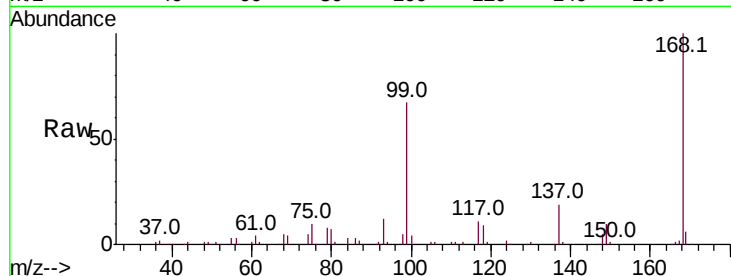




#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063764.D
 Acq: 1 Oct 2020 12:05

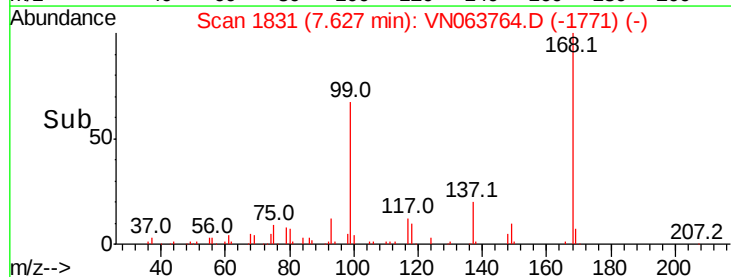
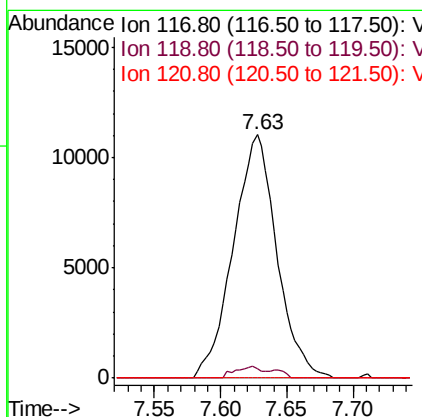
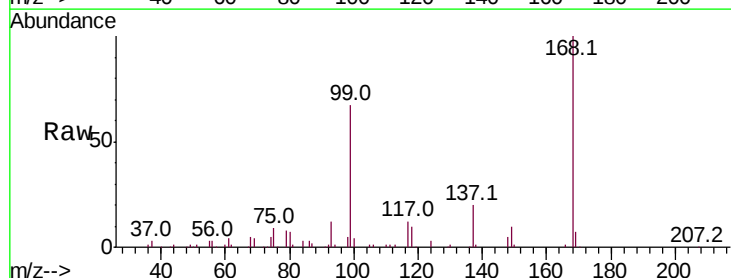
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBL01

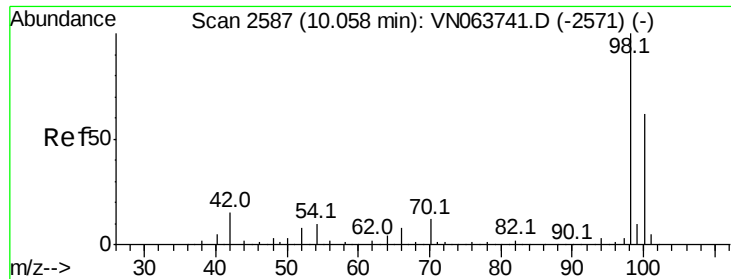
Tot Ion: 75 Resp: 21159
 Ion Ratio Lower Upper
 75 100
 110 10.7 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.443 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063764.D
 Acq: 1 Oct 2020 12:05

Tgt Ion: 117 Resp: 25179
 Ion Ratio Lower Upper
 117 100
 119 4.0 80.1 120.1#
 121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 48.931 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

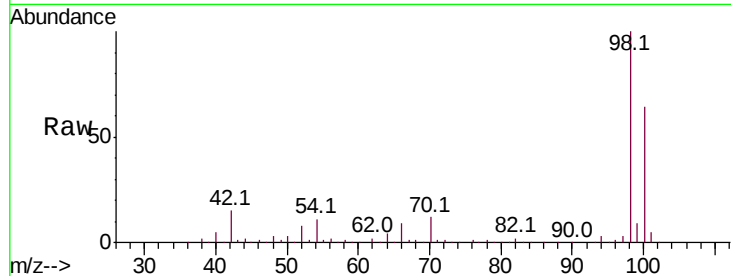
VN1001WBL01

Tot Ion: 98 Resp: 524080

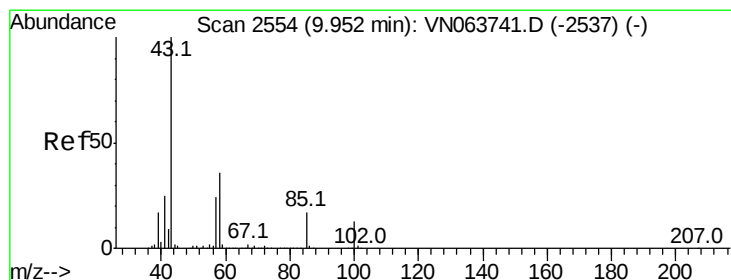
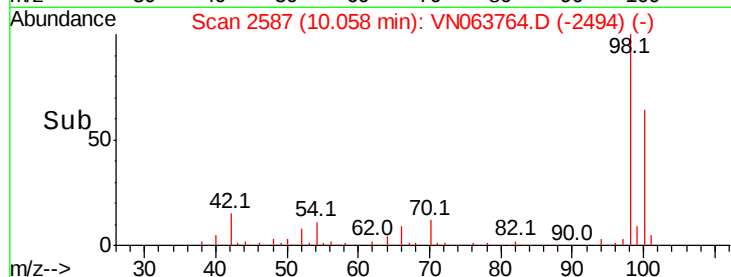
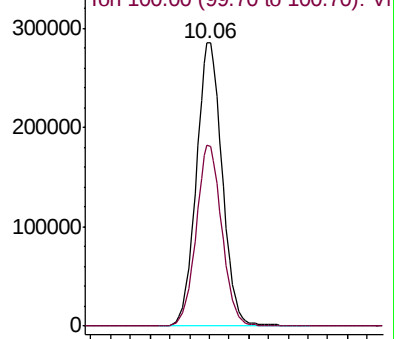
Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063764.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.811 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN063764.D

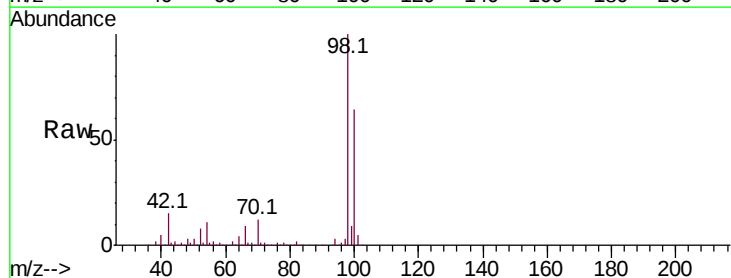
Acq: 1 Oct 2020 12:05

Tgt Ion: 43 Resp: 3219

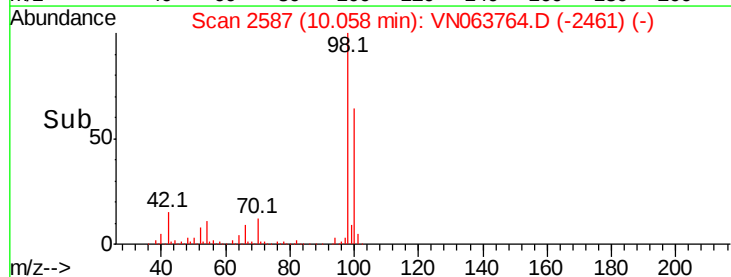
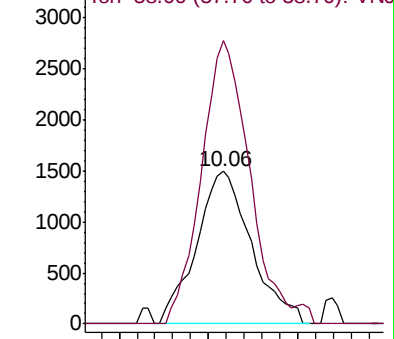
Ion Ratio Lower Upper

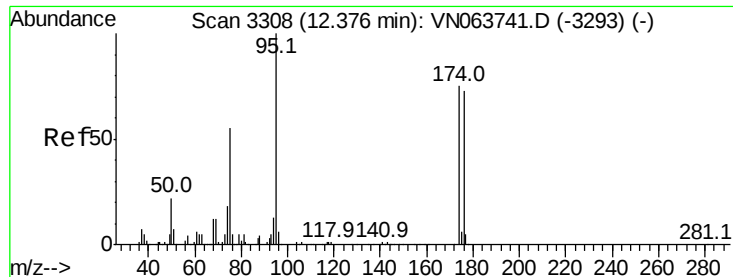
43 100

58 161.4 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063764.D (-2587) (-)





#62

4-Bromofluorobenzene

Concen: 52.176 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01

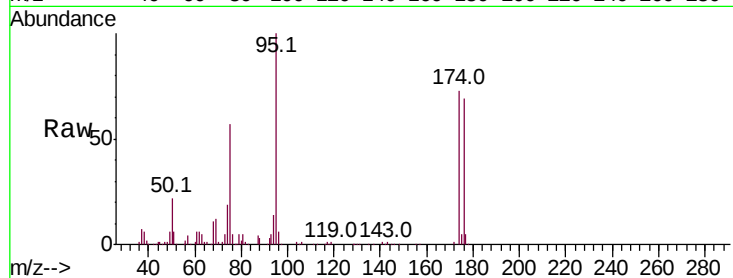
Tot Ion: 95 Resp: 210069

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.6

176 69.4 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063764.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063764.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063764.D (-3293) (-)

12.38

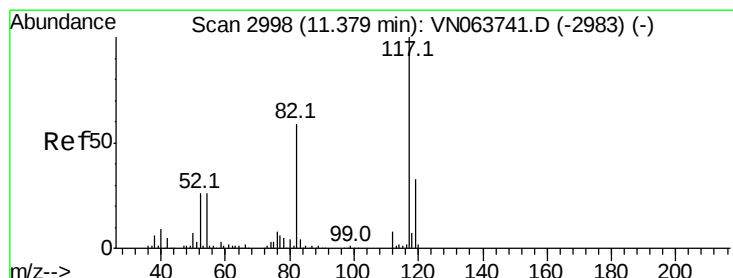
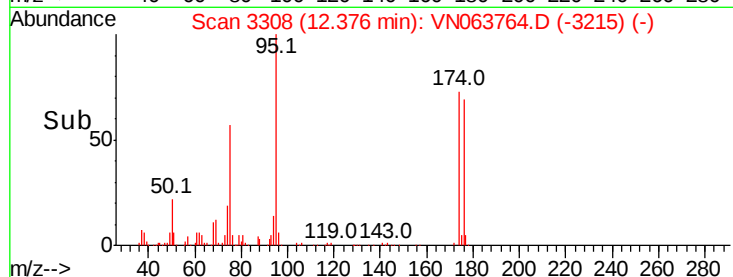
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

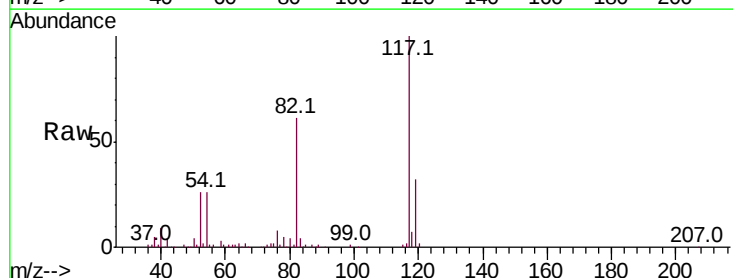
Tgt Ion: 117 Resp: 418132

Ion Ratio Lower Upper

117 100

82 61.1 47.4 71.2

119 32.4 26.4 39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063764.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063764.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063764.D (-2983) (-)

11.38

300000

250000

200000

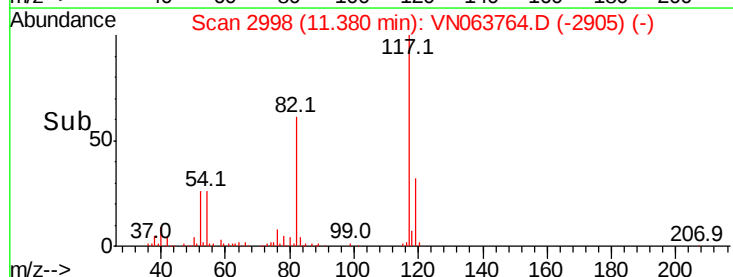
150000

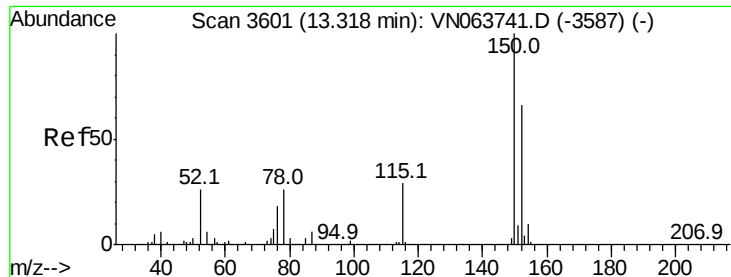
100000

50000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01

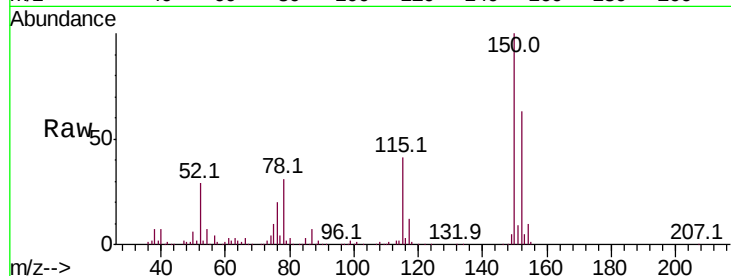
Tot Ion:152 Resp: 172960

Ion Ratio Lower Upper

152 100

115 63.5 31.3 93.8

150 159.4 0.0 341.8

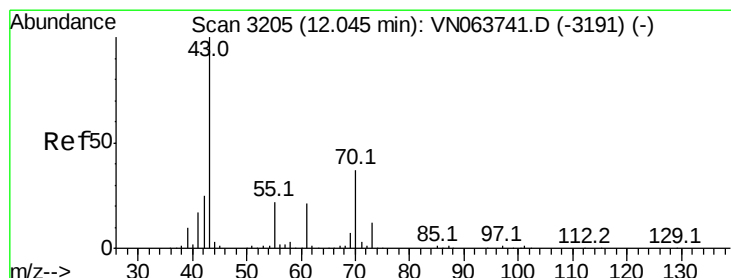
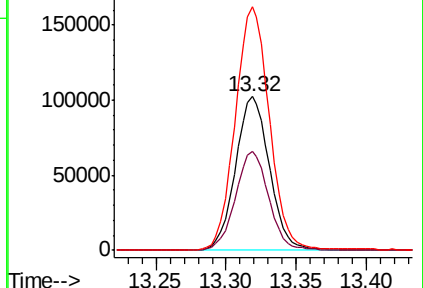
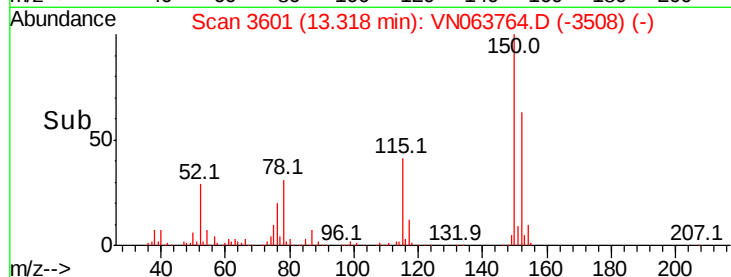


Abundance

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-ethyl acetate

Concen: 2.227 ug/l

RT: 12.05 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Tgt Ion: 43 Resp: 71

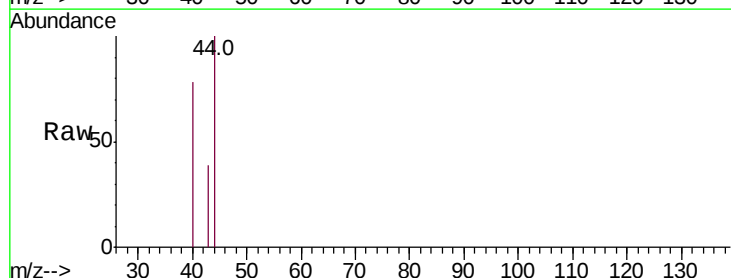
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



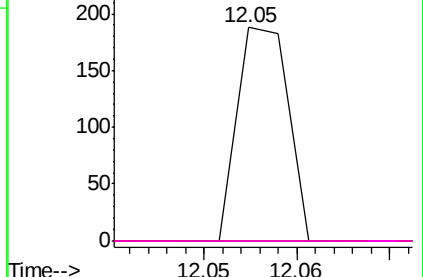
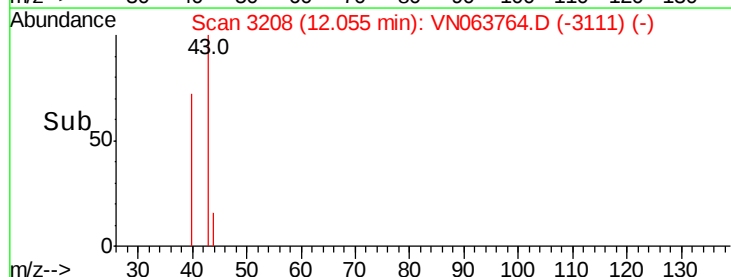
Abundance

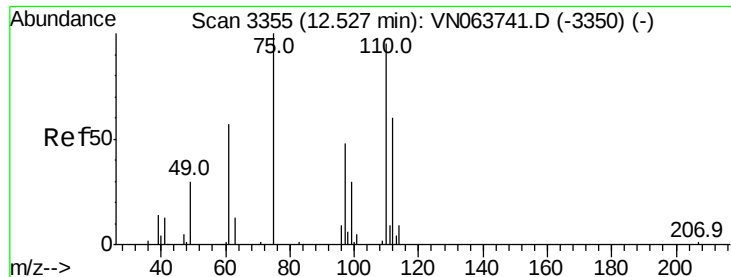
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 31.007 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

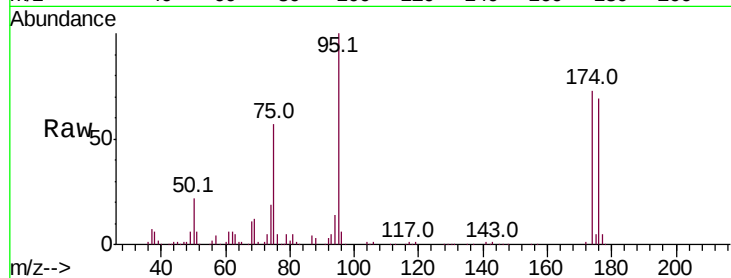
VN1001WBL01

Tot Ion: 75 Resp: 118222

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.38

80000

60000

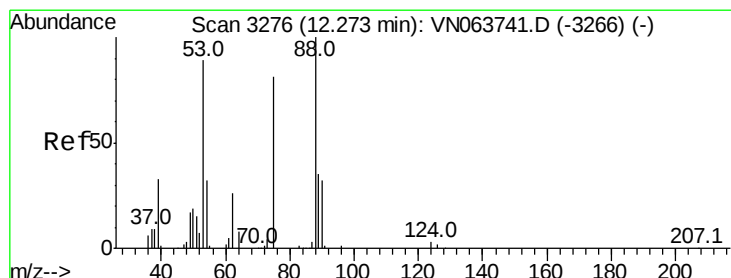
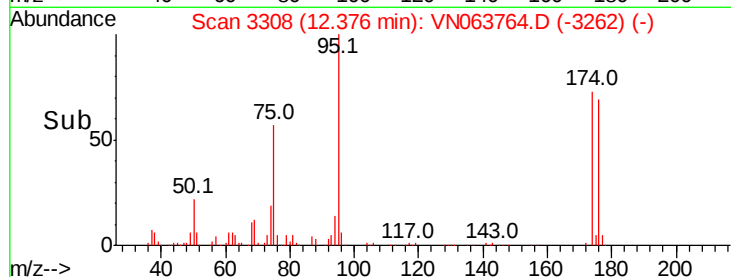
40000

20000

0

Time-->

12.30 12.40



#81

trans-1,4-Dichloro-2-butene

Concen: 89.306 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063764.D

Acq: 1 Oct 2020 12:05

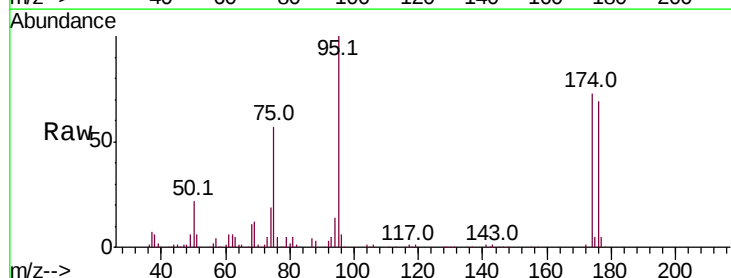
Tgt Ion: 75 Resp: 118222

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.38

80000

60000

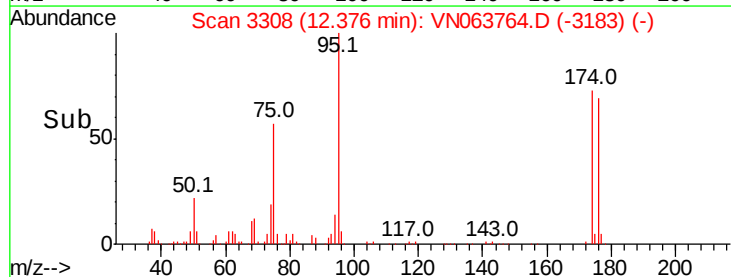
40000

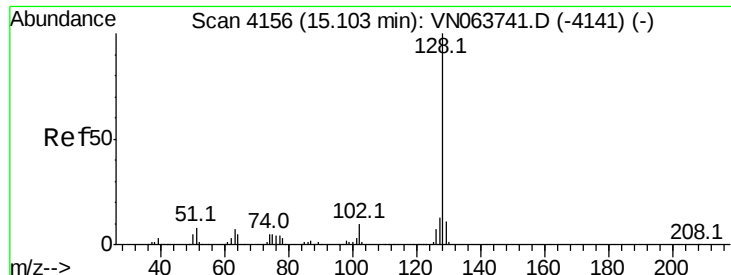
20000

0

Time-->

12.30 12.40





#95

Naphthalene

Concen: 1.965 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063764.D

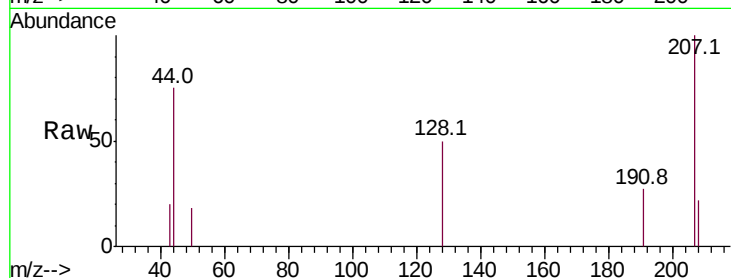
Acq: 1 Oct 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBL01



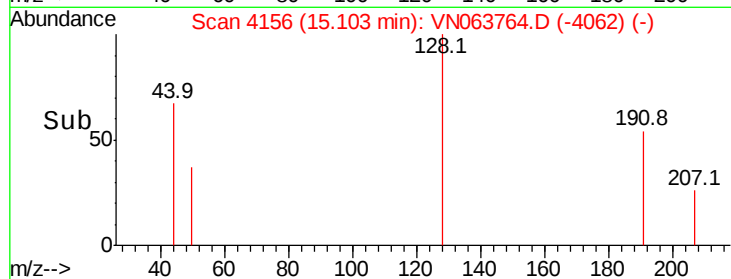
Tot Ion:128 Resp: 396

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



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

