

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063691.D
 Acq On : 25 Sep 2020 20:18
 Operator : JC/MD
 Sample : L4133-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1S

Quant Time: Sep 28 02:04:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	205194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	394152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162691	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	180591	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	7.55	113	130037	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.06	98	495949	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.38	95	193633	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

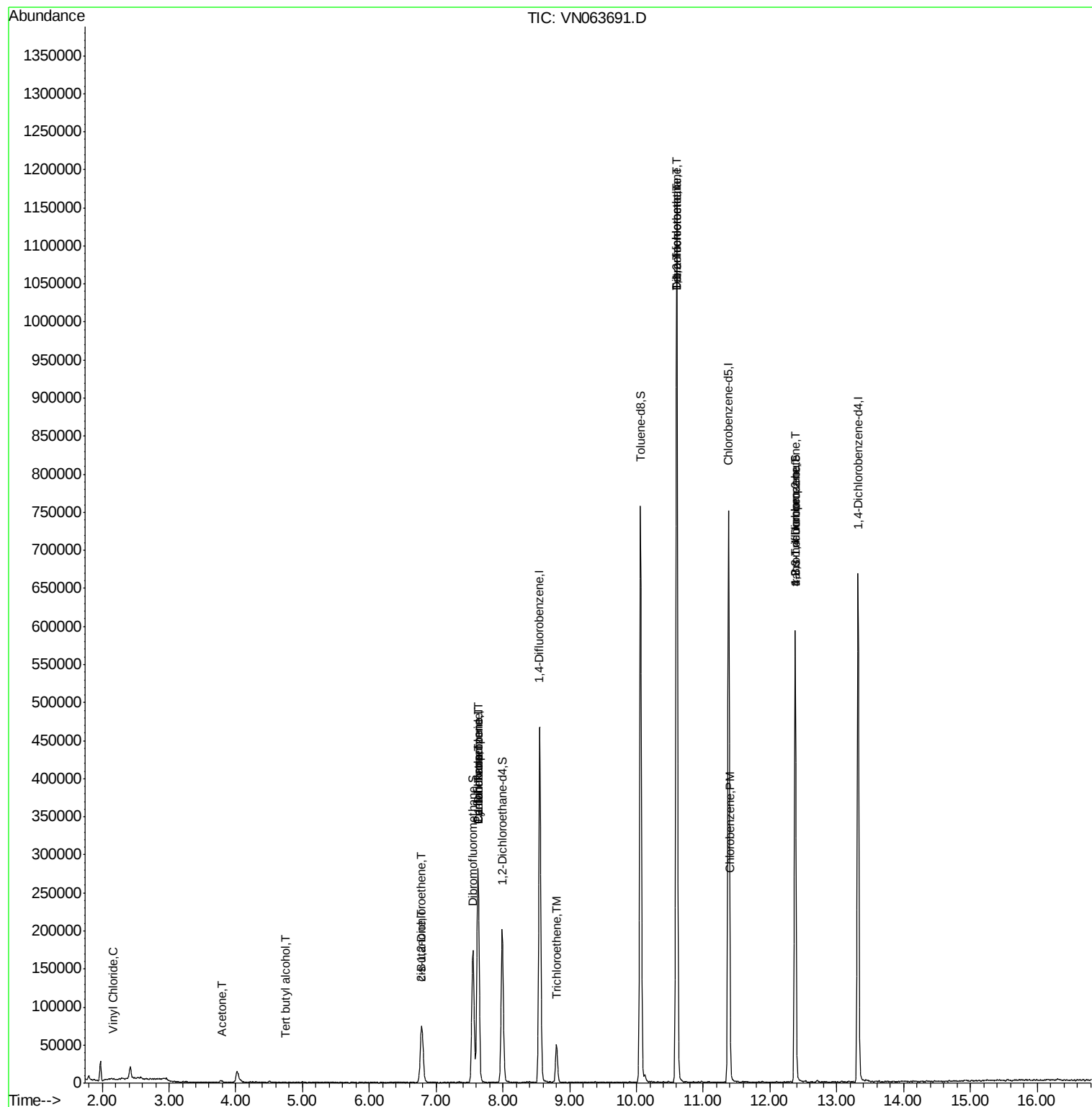
						Qvalue
4) Vinyl Chloride	2.16	62	723	0.265	ug/l #	43
11) Tert butyl alcohol	4.74	59	222	0.459	ug/l #	72
16) Acetone	3.78	43	3652	3.253	ug/l	93
25) 2-Butanone	6.79	43	774	0.448	ug/l #	51
27) cis-1,2-Dichloroethene	6.78	96	41842	14.409	ug/l	89
31) Cyclohexane	7.62	56	6097	1.264	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	19879	4.809	ug/l #	52
38) Carbon Tetrachloride	7.63	117	23661	5.607	ug/l #	17
44) Trichloroethene	8.80	130	17576	6.141	ug/l	81
55) 1,1,2-Trichloroethane	10.60	97	2773	0.984	ug/l #	22
60) Dibromochloromethane	10.60	129	227656	71.509	ug/l #	11
64) Tetrachloroethene	10.60	164	239706	89.313	ug/l	98
65) Chlorobenzene	11.41	112	2399	0.287	ug/l	92
76) 1,2,3-Trichloropropane	12.38	75	110786	27.512	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	110786	75.427	ug/l #	7

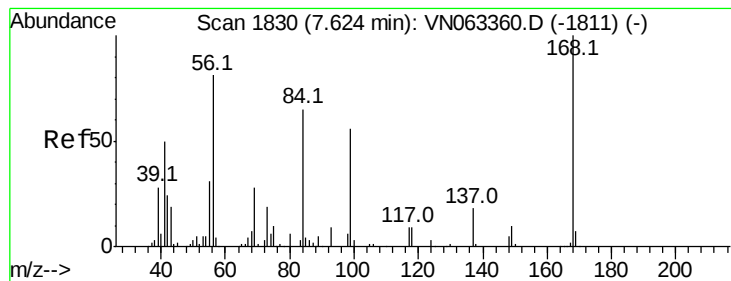
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092520\
Data File : VN063691.D
Acq On : 25 Sep 2020 20:18
Operator : JC/MD
Sample : L4133-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1S

Quant Time: Sep 28 02:04:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

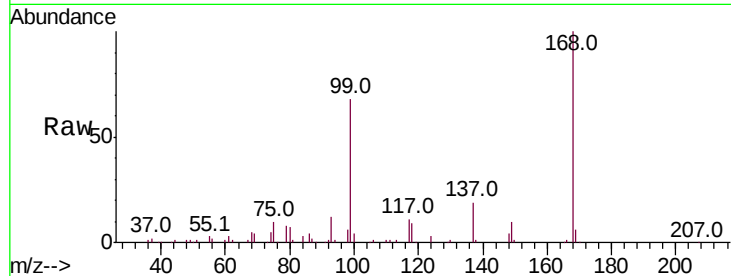
MW1S

Tot Ion:168 Resp: 205194

Ion Ratio Lower Upper

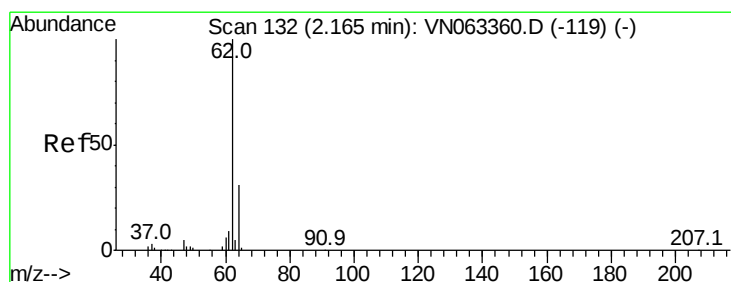
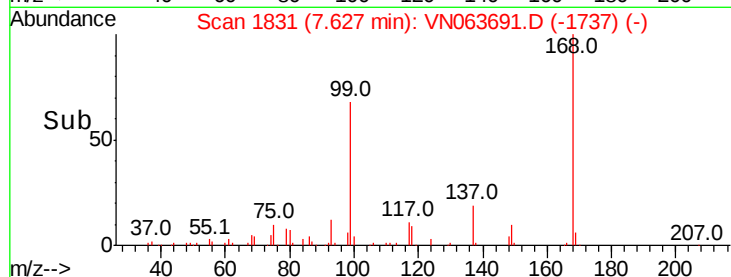
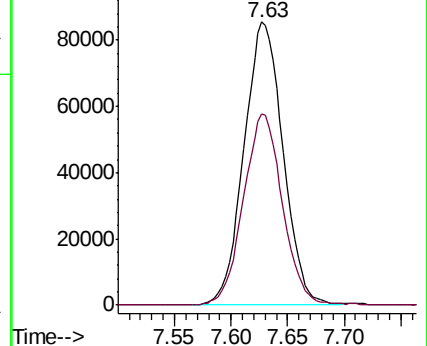
168 100

99 67.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#4

Vinyl Chloride

Concen: 0.265 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063691.D

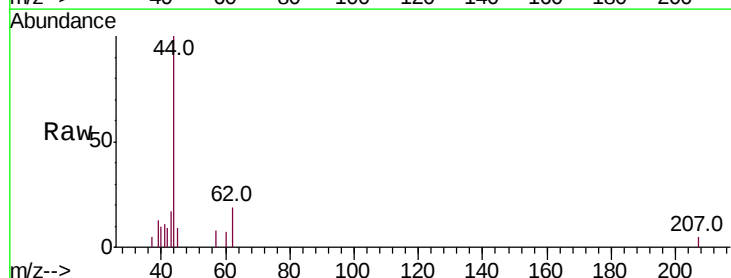
Acq: 25 Sep 2020 20:18

Tgt Ion: 62 Resp: 723

Ion Ratio Lower Upper

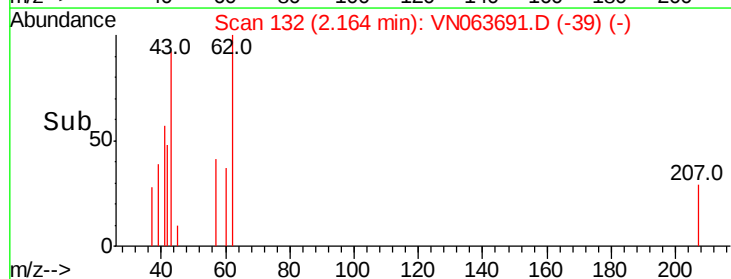
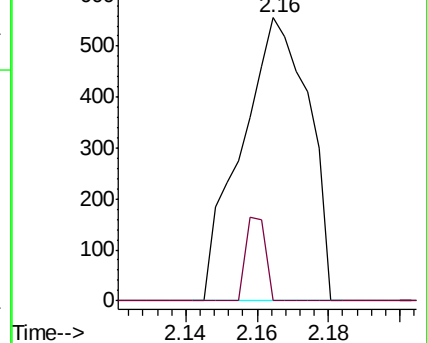
62 100

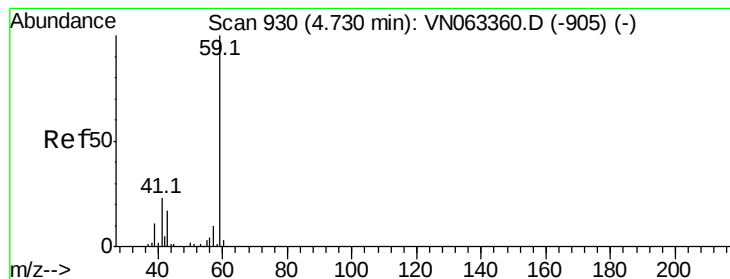
64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#11

Tert butyl alcohol

Concen: 0.459 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

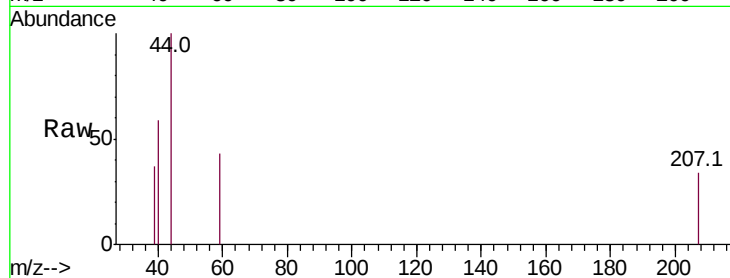
MW1S

Tot Ion: 59 Resp: 222

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

250

200

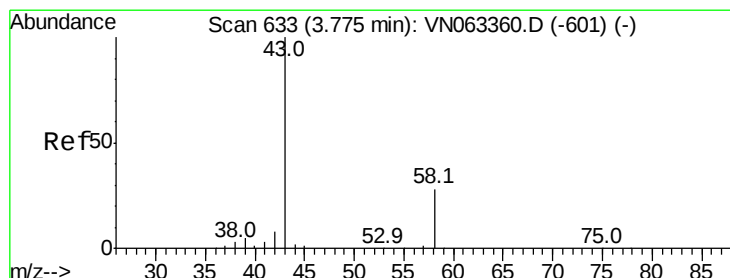
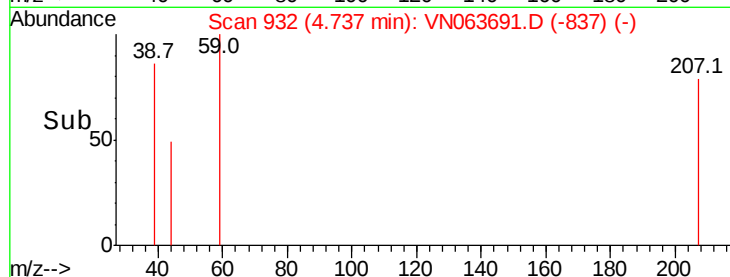
150

100

50

0

Time-->



#16

Acetone

Concen: 3.253 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063691.D

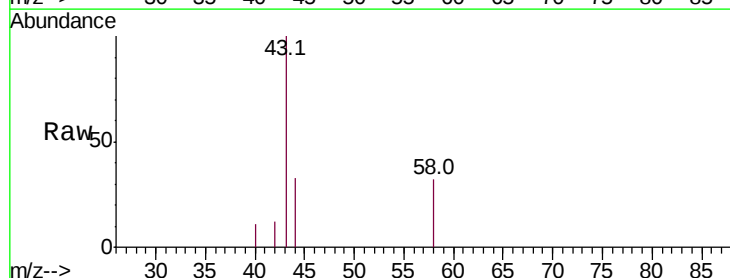
Acq: 25 Sep 2020 20:18

Tgt Ion: 43 Resp: 3652

Ion Ratio Lower Upper

43 100

58 31.8 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

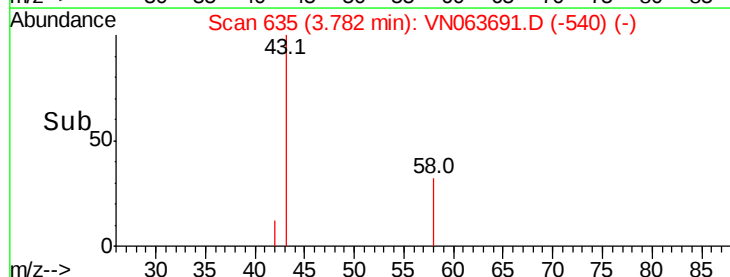
1500

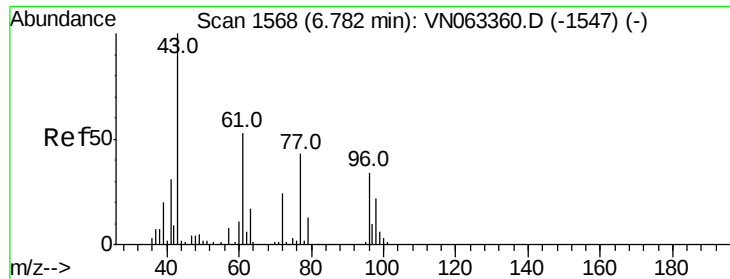
1000

500

0

Time-->





#25

2-Butanone

Concen: 0.448 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampled :

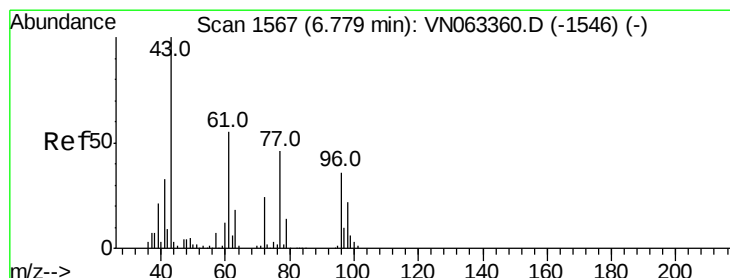
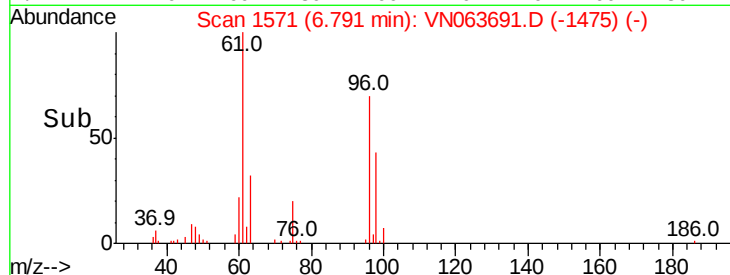
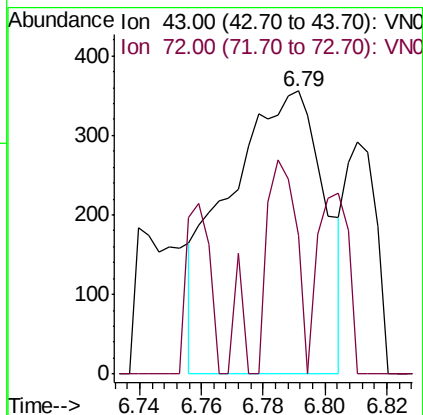
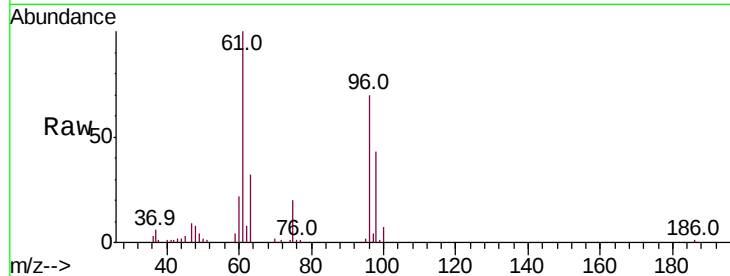
MW1S

Tot Ion: 43 Resp: 774

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#27

cis-1,2-Dichloroethene

Concen: 14.409 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

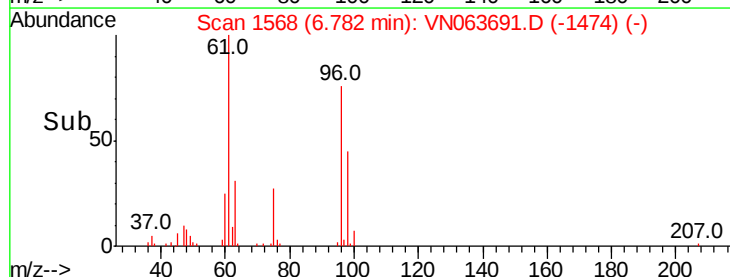
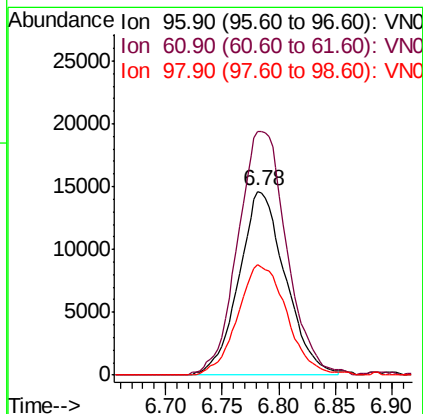
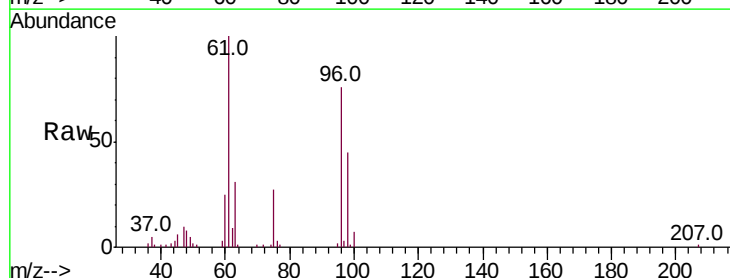
Tgt Ion: 96 Resp: 41842

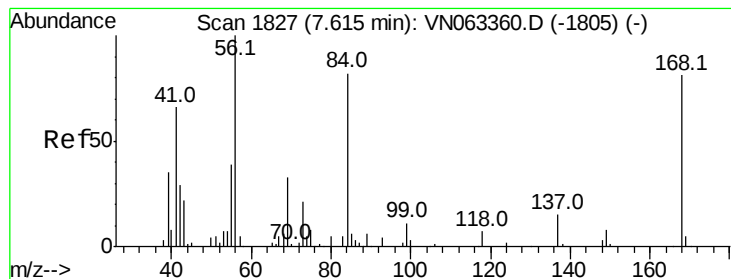
Ion Ratio Lower Upper

96 100

61 139.4 0.0 319.6

98 63.7 0.0 127.8





#31

Cyclohexane

Concen: 1.264 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

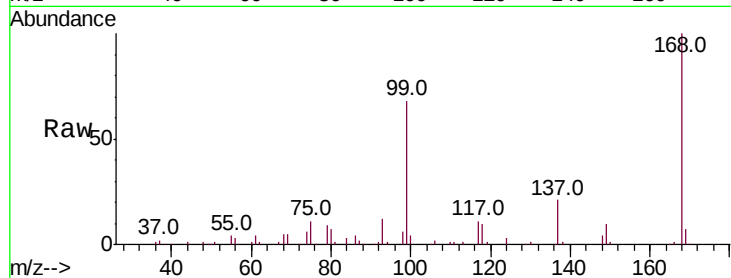
Tot Ion: 56 Resp: 6097

Ion Ratio Lower Upper

56 100

69 158.2 26.1 39.1#

84 93.5 65.4 98.2

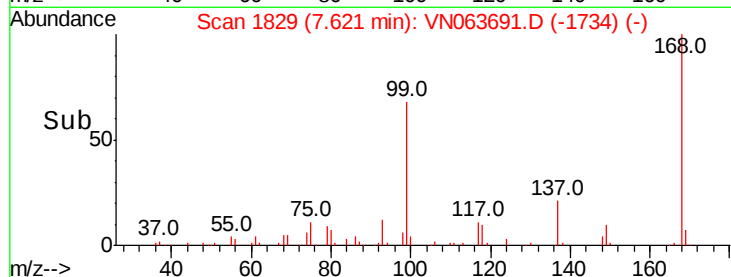


Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063360.D (-1805) (-)

Time-->

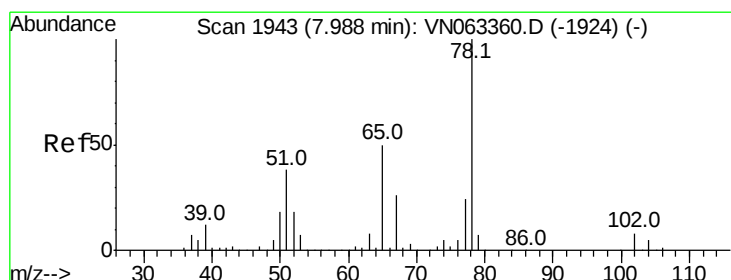


Abundance Ion 56.00 (55.70 to 56.70): VN063691.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN063691.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063691.D (-1734) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.702 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063691.D

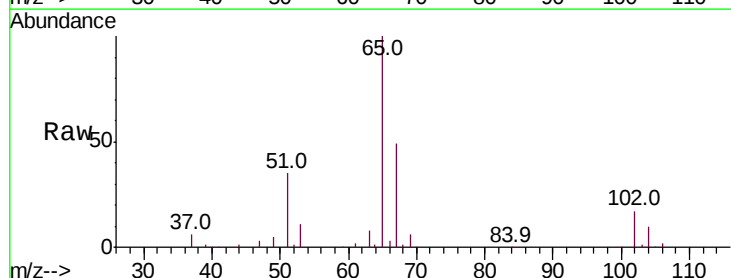
Acq: 25 Sep 2020 20:18

Tgt Ion: 65 Resp: 180591

Ion Ratio Lower Upper

65 100

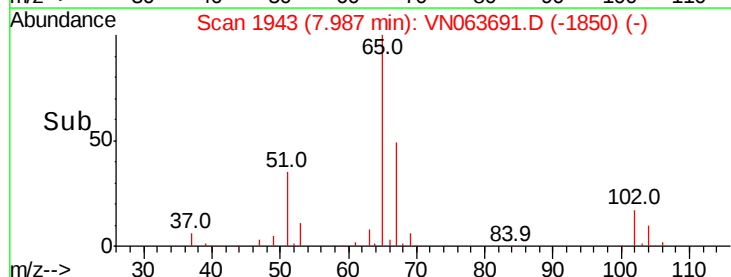
67 49.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

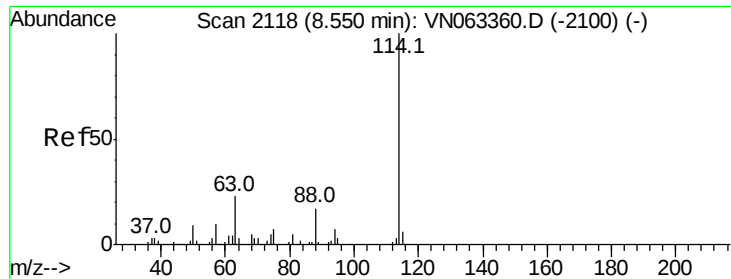
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN063691.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063691.D (-1850) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

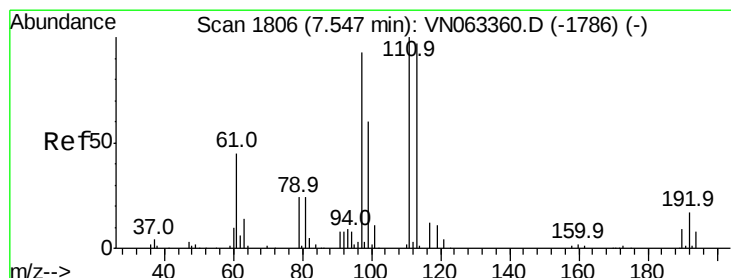
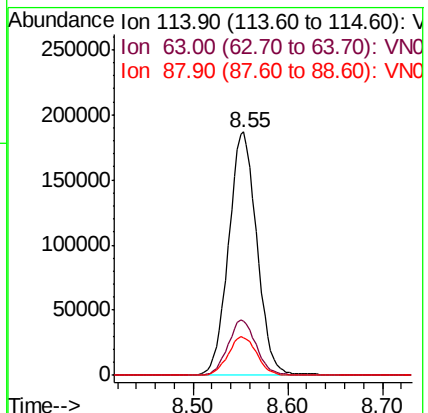
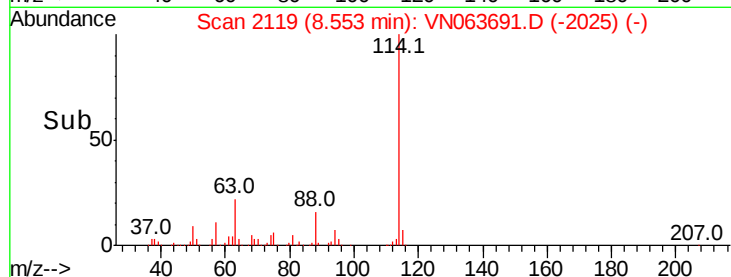
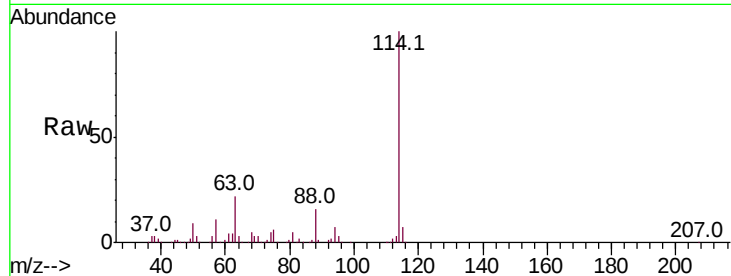
Tot Ion:114 Resp: 388004

Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.4

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.412 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

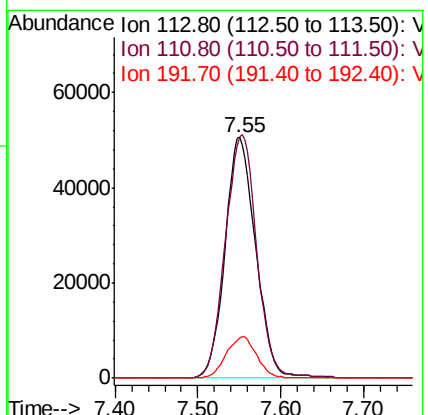
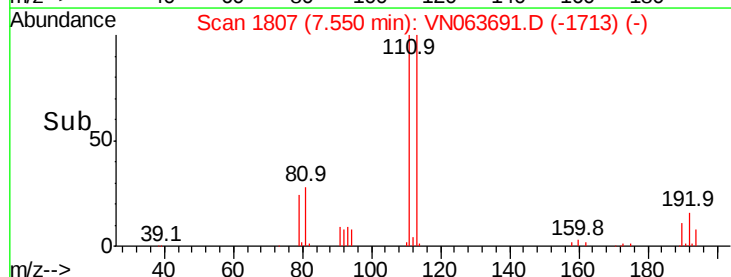
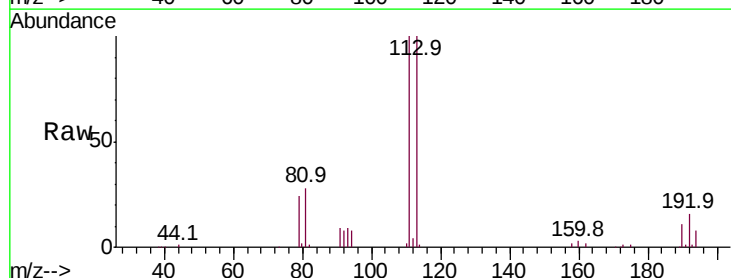
Tgt Ion:113 Resp: 130037

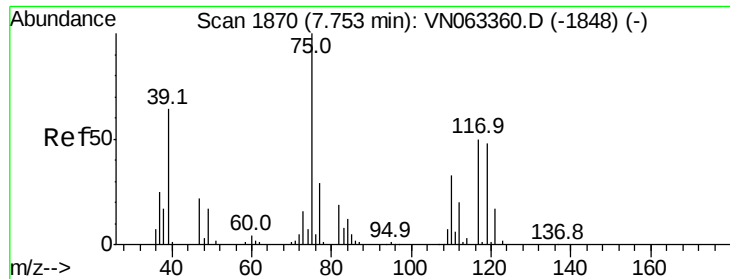
Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 17.0 13.9 20.9





#36

1,1-Dichloropropene

Concen: 4.809 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

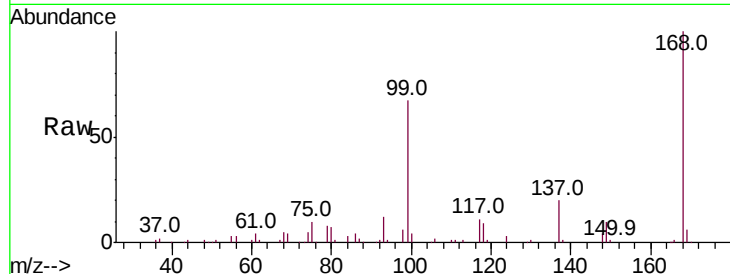
Tot Ion: 75 Resp: 19879

Ion Ratio Lower Upper

75 100

110 9.8 16.5 49.5#

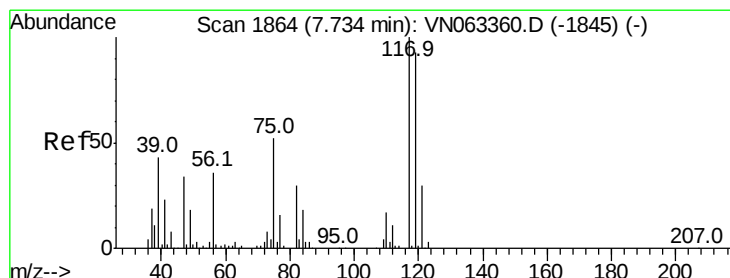
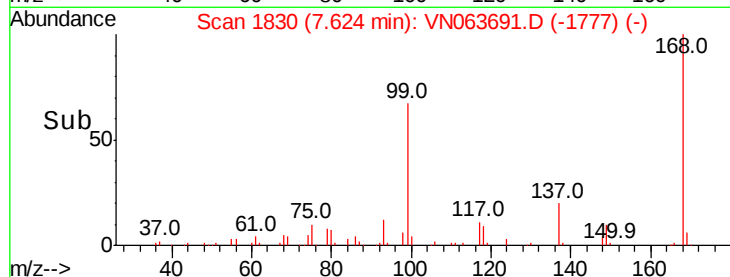
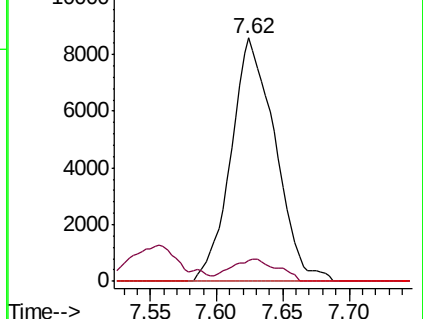
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.607 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

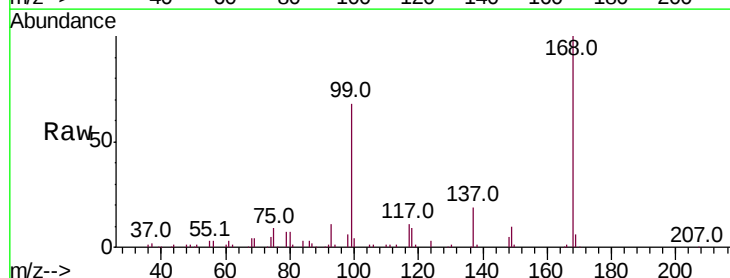
Tgt Ion: 117 Resp: 23661

Ion Ratio Lower Upper

117 100

119 4.8 74.5 111.7#

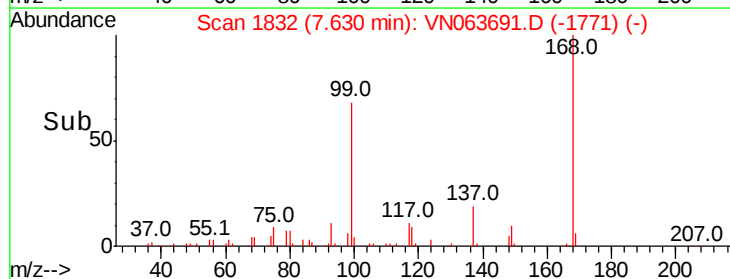
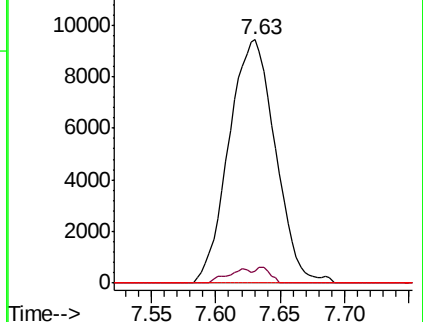
121 0.0 24.1 36.1#

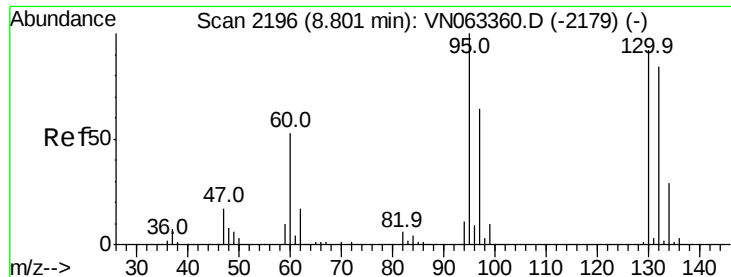


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#44

Trichloroethene

Concen: 6.141 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

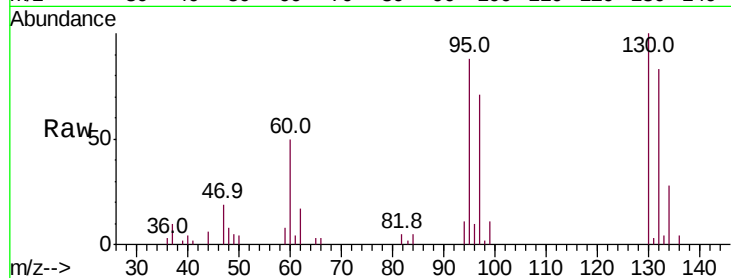
MW1S

Tot Ion:130 Resp: 17576

Ion Ratio Lower Upper

130 100

95 88.3 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)

8.80

10000

8000

6000

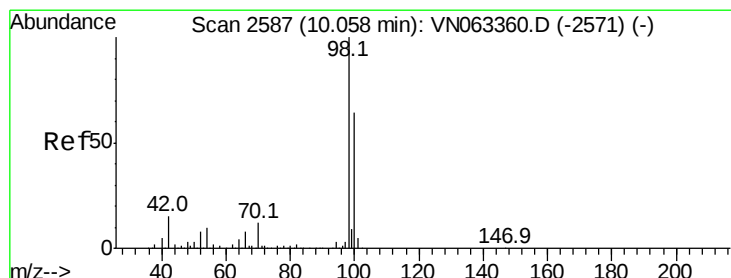
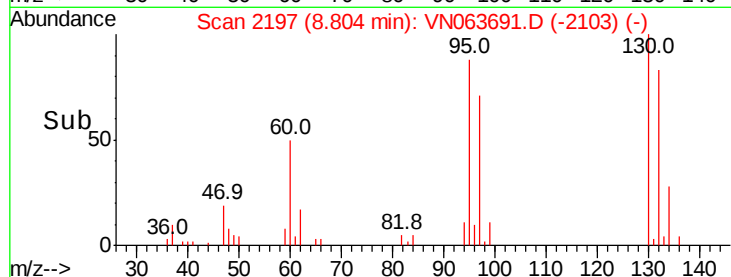
4000

2000

0

8.75 8.80 8.85 8.90

Time-->



#50

Toluene-d8

Concen: 49.103 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063691.D

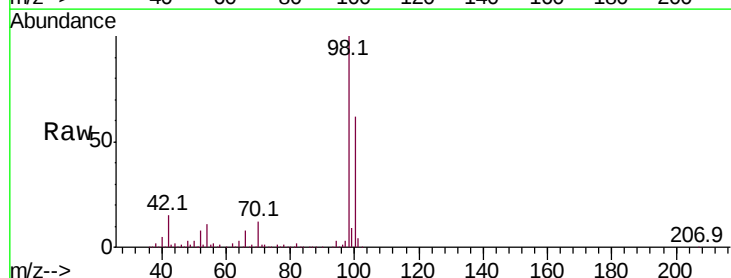
Acq: 25 Sep 2020 20:18

Tgt Ion: 98 Resp: 495949

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

300000

250000

200000

150000

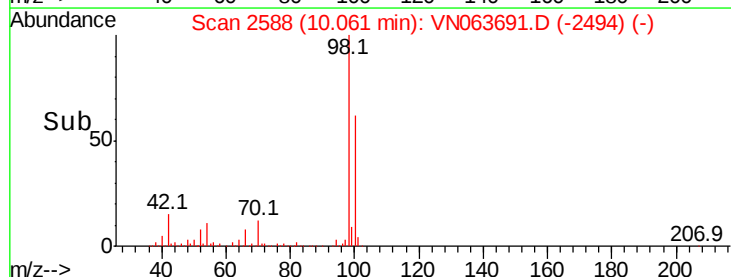
100000

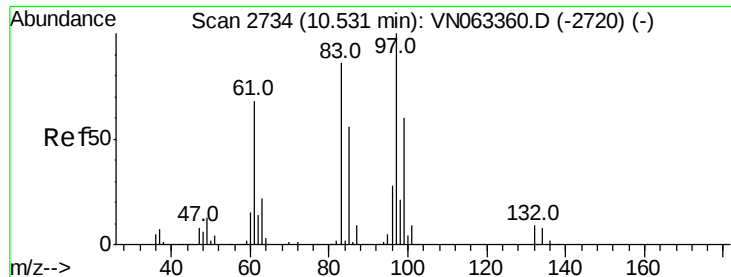
50000

0

10.00 10.10

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.984 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.07 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

Tot Ion: 97 Resp: 2773

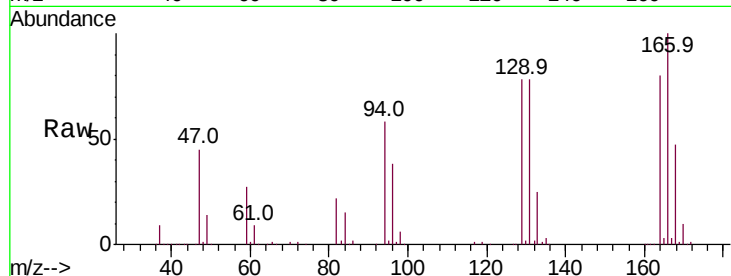
Ion Ratio Lower Upper

97 100

83 216.2 68.9 103.3#

85 54.3 44.8 67.2

99 16.8 47.8 71.8#

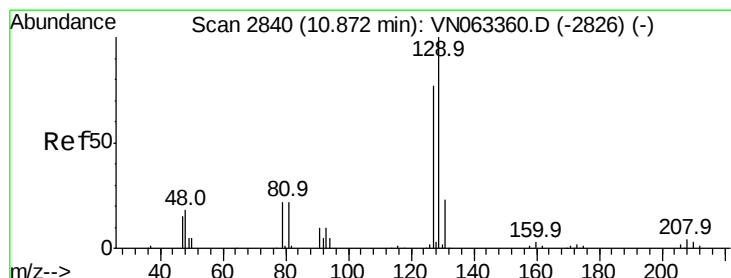
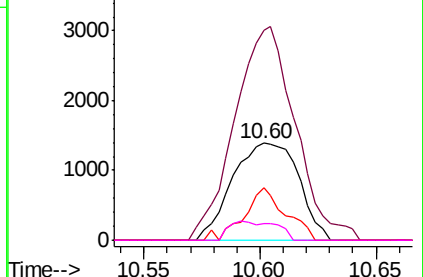
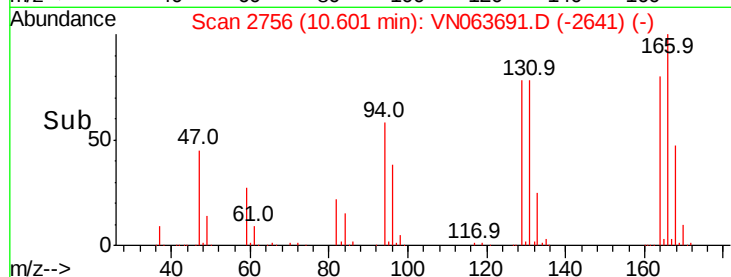


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#60

Dibromochloromethane

Concen: 71.509 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063691.D

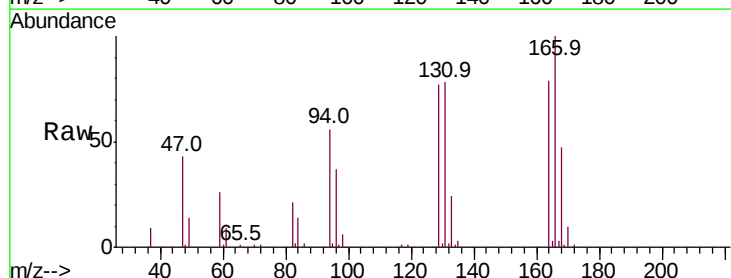
Acq: 25 Sep 2020 20:18

Tgt Ion: 129 Resp: 227656

Ion Ratio Lower Upper

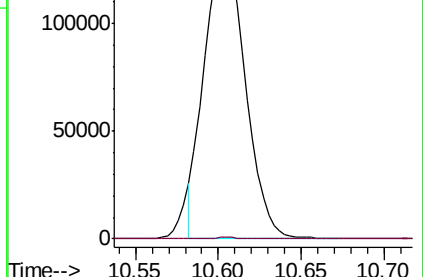
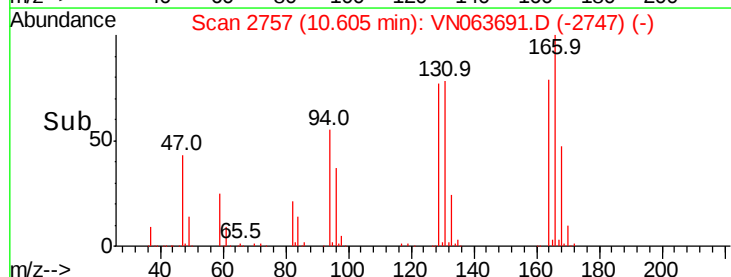
129 100

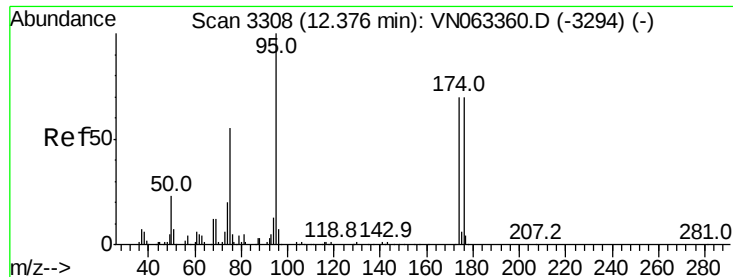
127 0.3 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 52.298 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

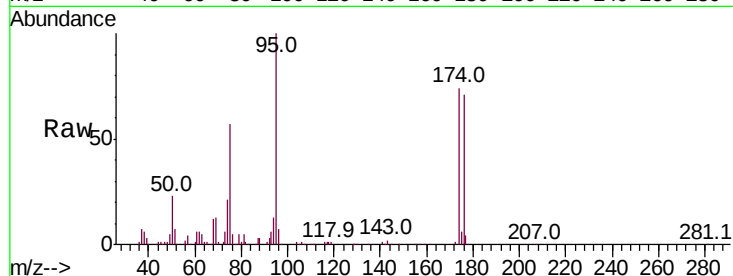
Tot Ion: 95 Resp: 193633

Ion Ratio Lower Upper

95 100

174 73.1 0.0 140.8

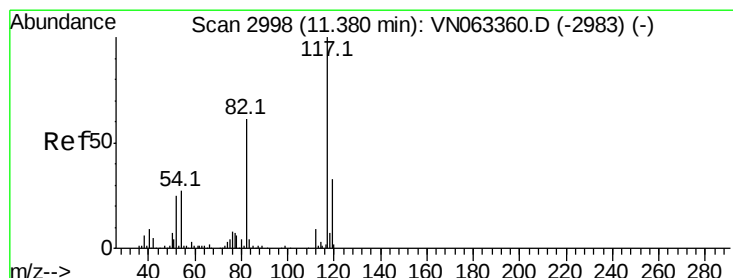
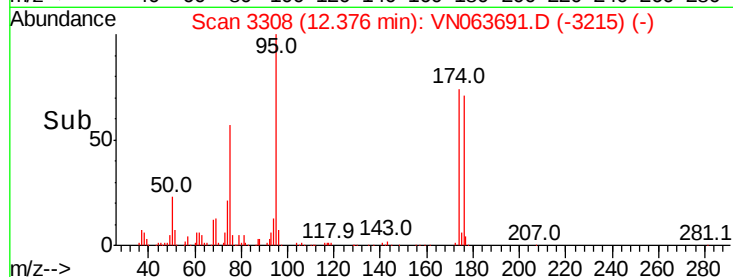
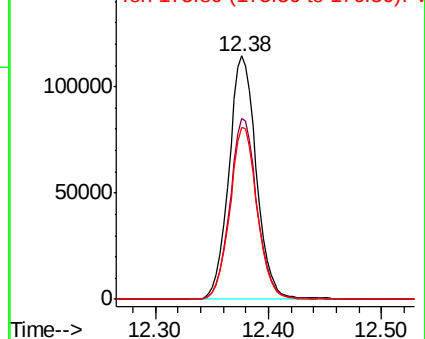
176 69.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

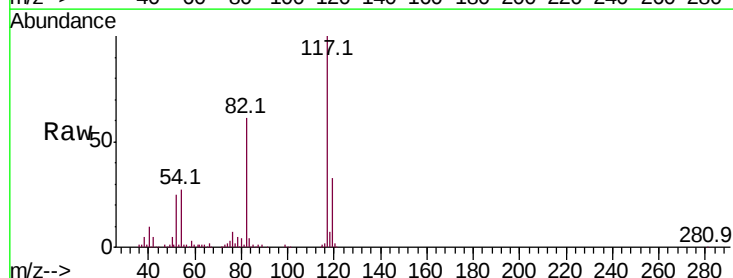
Tgt Ion: 117 Resp: 394152

Ion Ratio Lower Upper

117 100

82 60.6 49.2 73.8

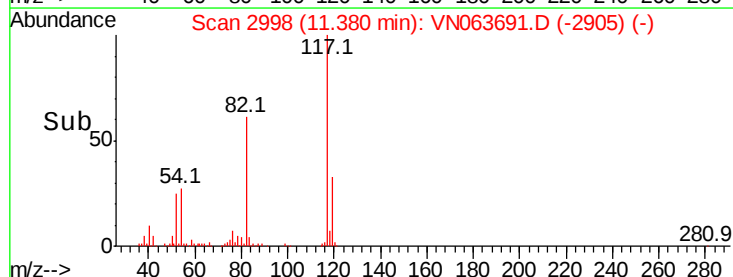
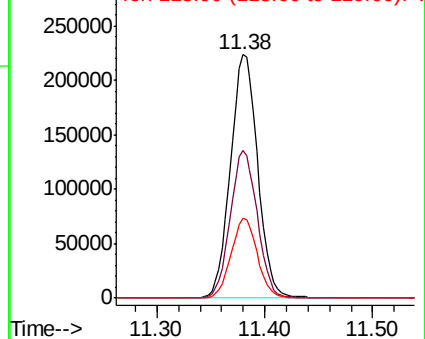
119 32.5 26.2 39.4

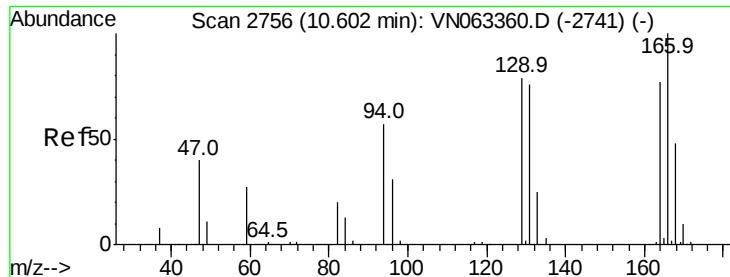


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#64

Tetrachloroethene

Concen: 89.313 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

Tot Ion:164 Resp: 239706

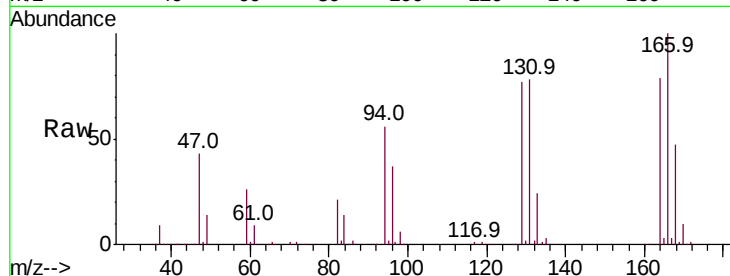
Ion Ratio Lower Upper

164 100

166 127.1 103.4 155.0

129 98.2 81.8 122.6

131 99.0 78.2 117.4

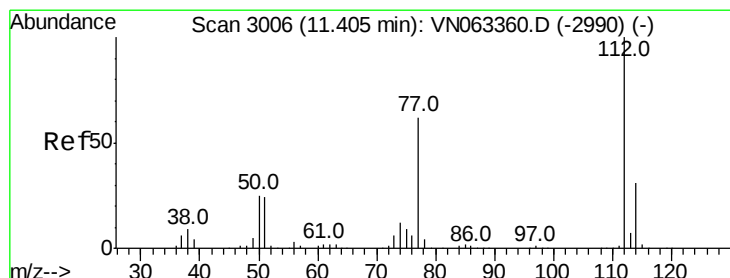
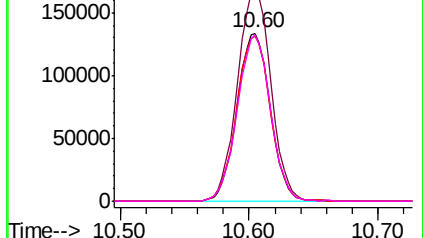
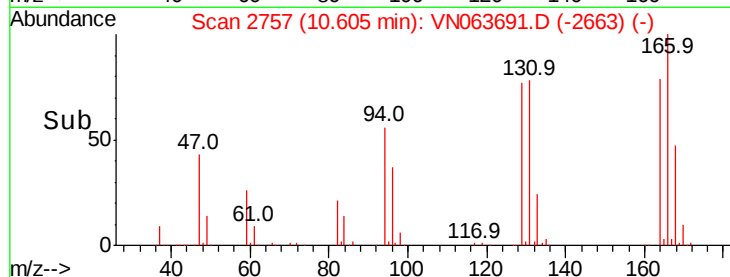


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.287 ug/l

RT: 11.41 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VN063691.D

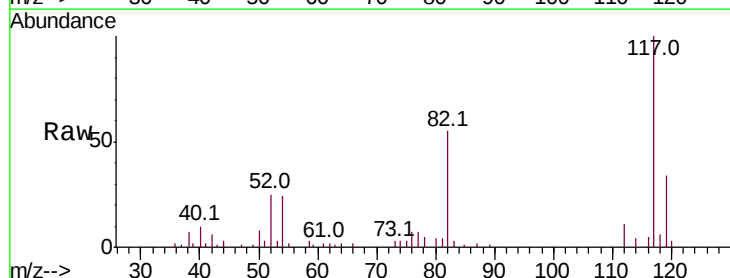
Acq: 25 Sep 2020 20:18

Tgt Ion:112 Resp: 2399

Ion Ratio Lower Upper

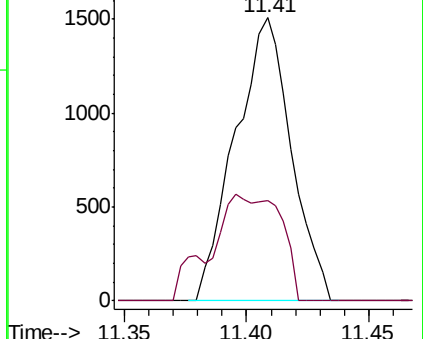
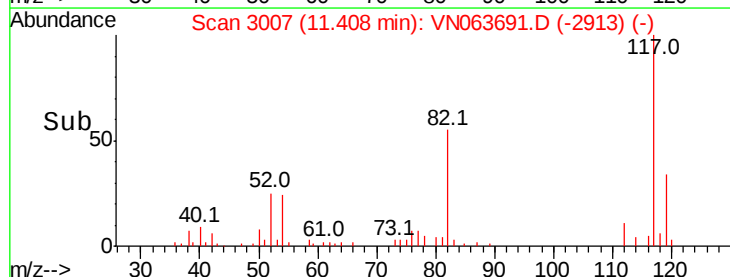
112 100

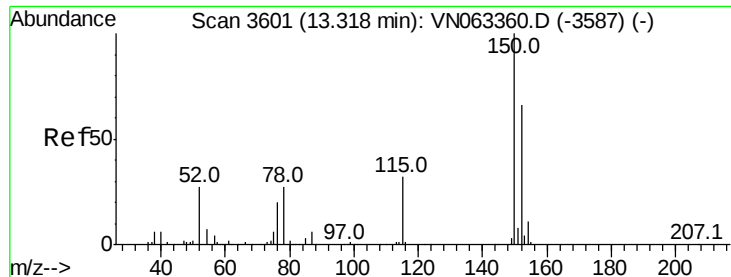
114 35.6 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

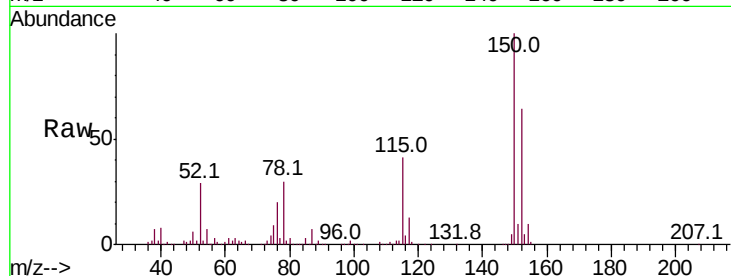
Tot Ion:152 Resp: 162691

Ion Ratio Lower Upper

152 100

115 63.8 32.2 96.6

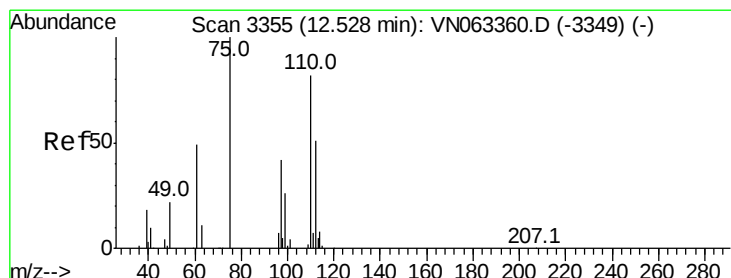
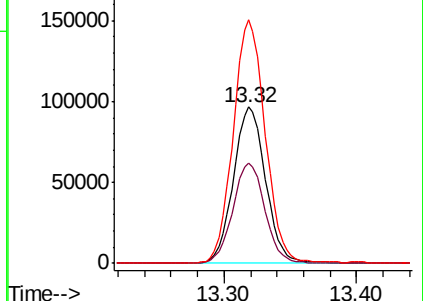
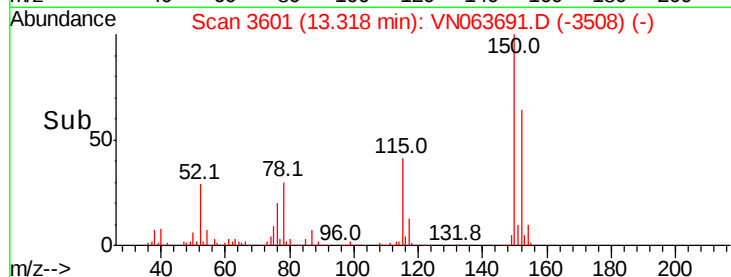
150 154.6 0.0 343.4



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: 27.512 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063691.D

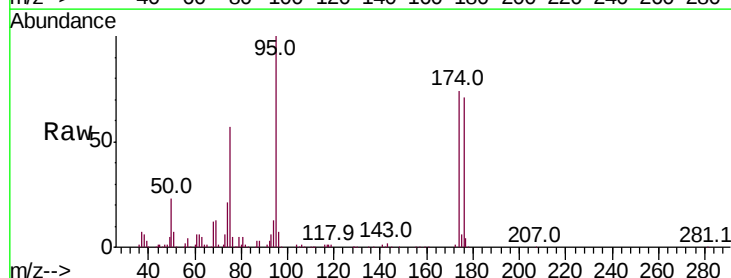
Acq: 25 Sep 2020 20:18

Tgt Ion: 75 Resp: 110786

Ion Ratio Lower Upper

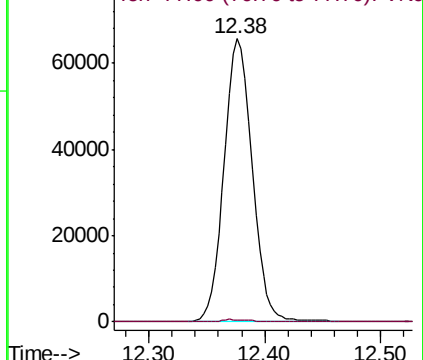
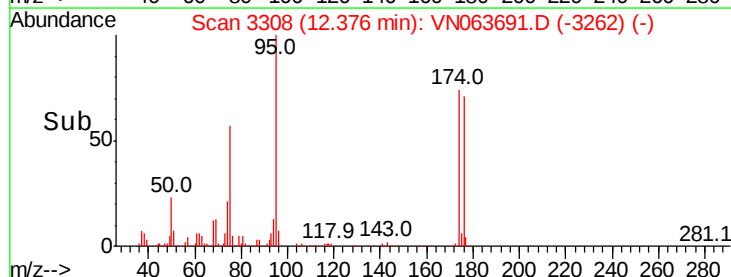
75 100

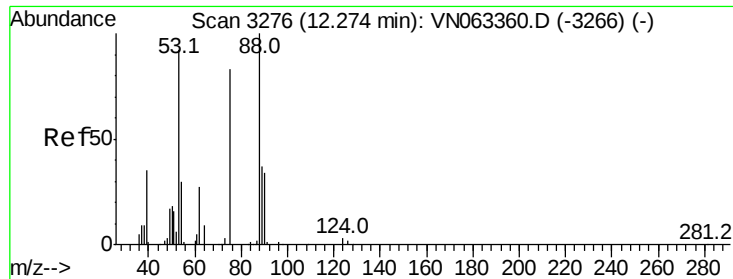
77 0.5 0.0 0.0#



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: 75.427 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063691.D

Acq: 25 Sep 2020 20:18

Instrument :

MSVOA_N

ClientSampleId :

MW1S

Tot Ion: 75 Resp: 110786

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

