

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063683.D
 Acq On : 25 Sep 2020 17:07
 Operator : JC/MD
 Sample : L4119-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D1-20200921DL

Quant Time: Sep 28 02:03:22 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	193246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	365279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	371334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	157919	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	167994	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.55	113	121970	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
50) Toluene-d8	10.06	98	474956	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.38	95	183379	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	

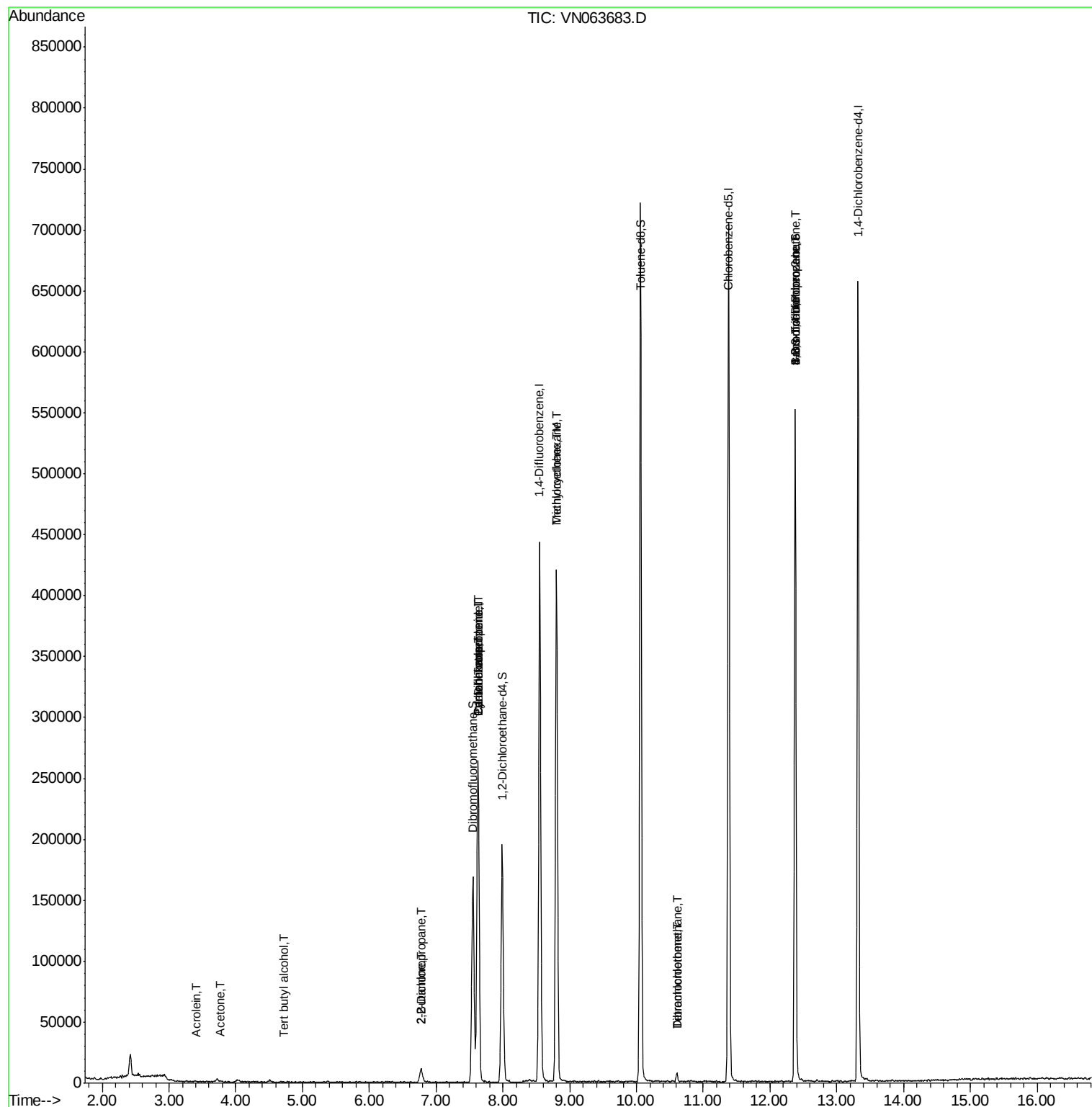
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	92	0.202	ug/l #	72
13) Acrolein	3.42	56	75	0.444	ug/l #	13
16) Acetone	3.76	43	264	0.250	ug/l #	47
25) 2-Butanone	6.77	43	641	0.394	ug/l #	51
26) 2,2-Dichloropropane	6.78	77	879	0.208	ug/l #	55
31) Cyclohexane	7.62	56	3607	0.794	ug/l #	36
36) 1,1-Dichloropropene	7.62	75	18235	4.686	ug/l #	50
38) Carbon Tetrachloride	7.63	117	22466	5.655	ug/l #	17
39) Methylcyclohexane	8.80	83	2146	0.508	ug/l #	1
44) Trichloroethene	8.80	130	139960	51.945	ug/l	100
60) Dibromochloromethane	10.60	129	1307	0.436	ug/l #	10
64) Tetrachloroethene	10.60	164	1399	0.553	ug/l #	91
71) Bromoform	12.37	173	800	0.372	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	104264	26.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104264	73.132	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

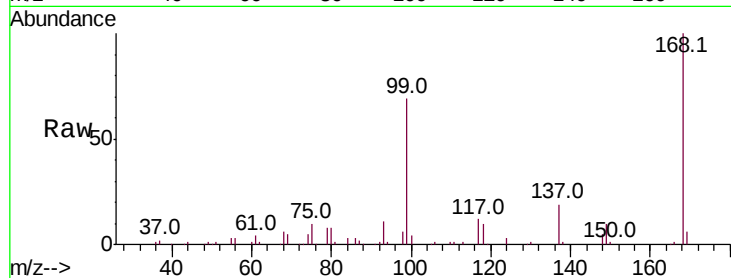
RE103D1-20200921DL

Tot Ion:168 Resp: 193246

Ion Ratio Lower Upper

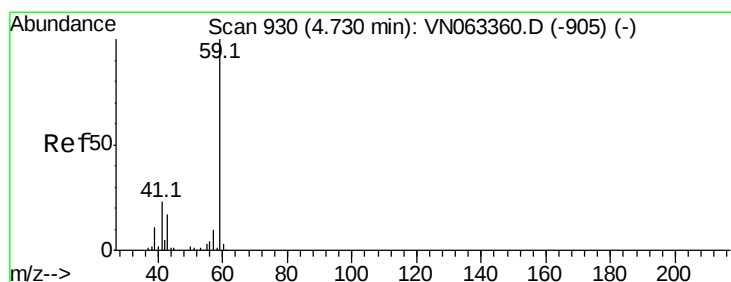
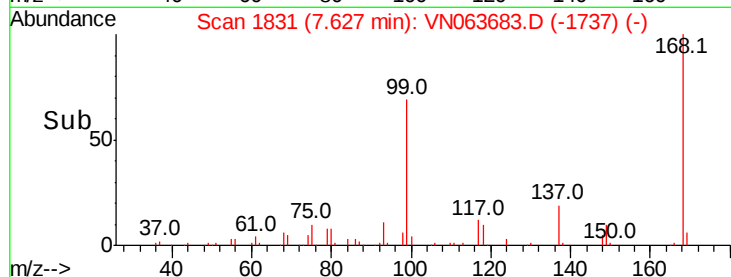
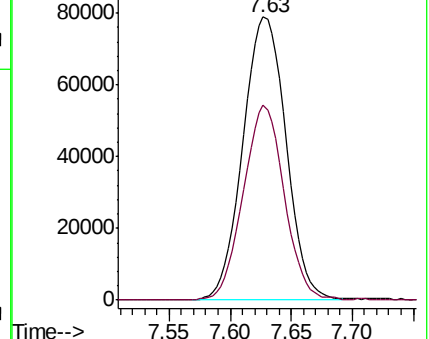
168 100

99 68.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.202 ug/l

RT: 4.71 min Scan# 923

Delta R.T. -0.02 min

Lab File: VN063683.D

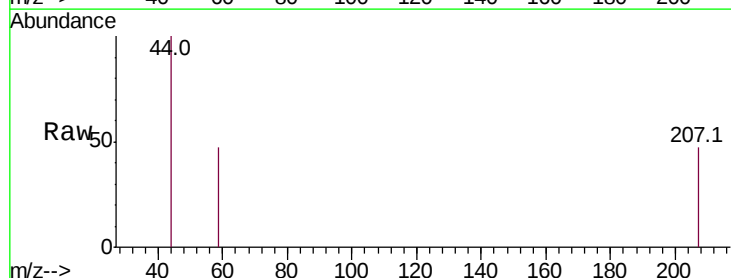
Acq: 25 Sep 2020 17:07

Tgt Ion: 59 Resp: 92

Ion Ratio Lower Upper

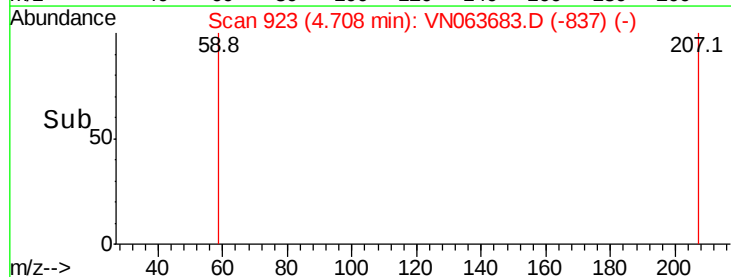
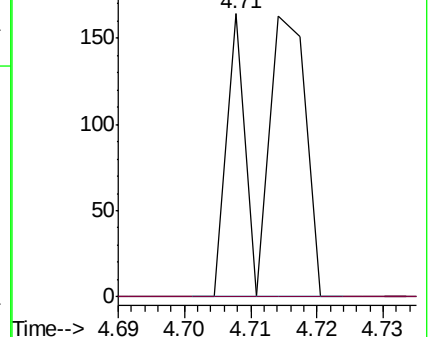
59 100

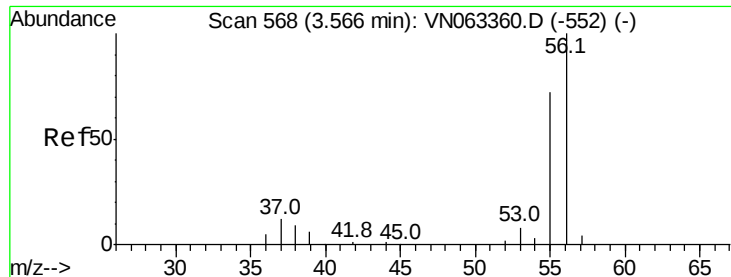
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.444 ug/l

RT: 3.42 min Scan# 521

Delta R.T. -0.15 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

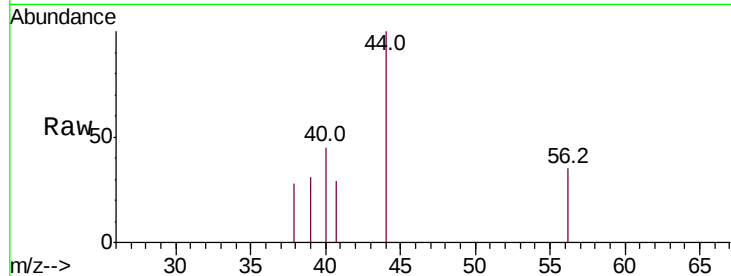
RE103D1-20200921DL

Tot Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.42

200

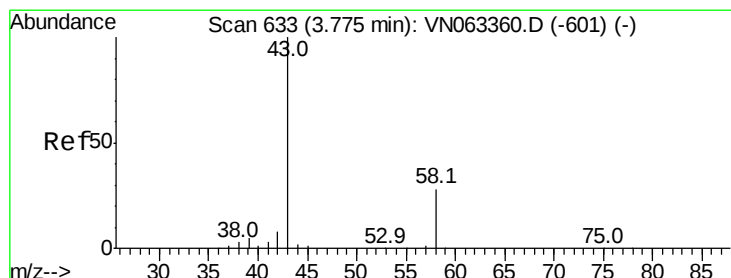
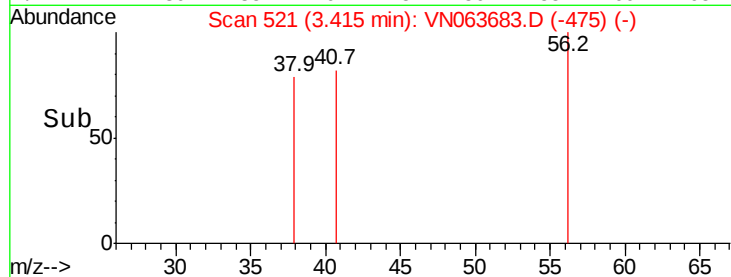
150

100

50

0

Time-->



#16

Acetone

Concen: 0.250 ug/l

RT: 3.76 min Scan# 628

Delta R.T. -0.02 min

Lab File: VN063683.D

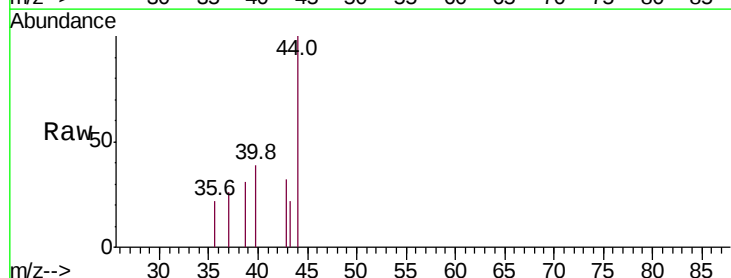
Acq: 25 Sep 2020 17:07

Tgt Ion: 43 Resp: 264

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.76

400

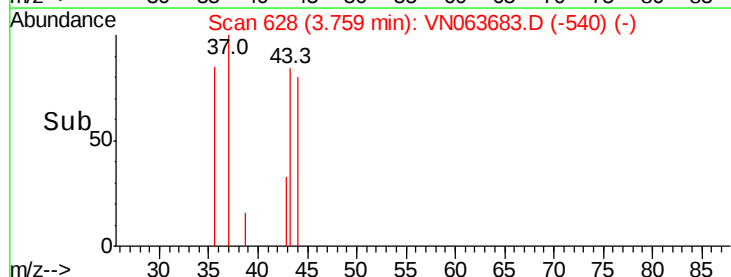
300

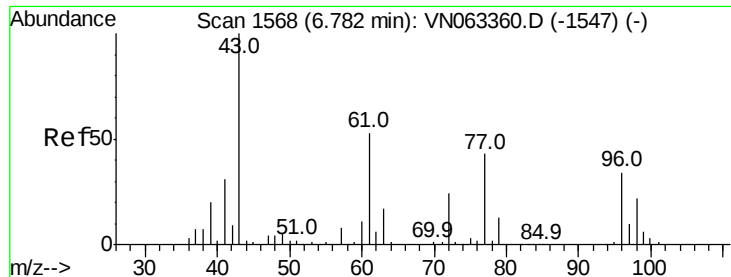
200

100

0

Time-->





#25

2-Butanone

Concen: 0.394 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

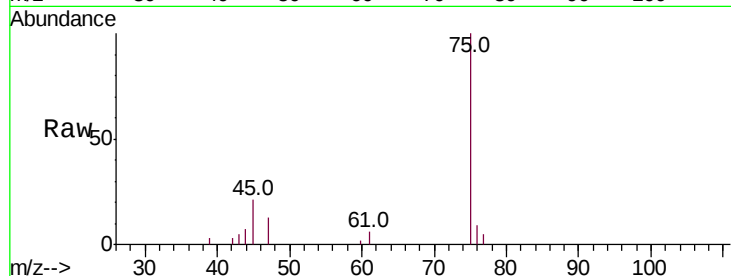
RE103D1-20200921DL

Tot Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.77

300

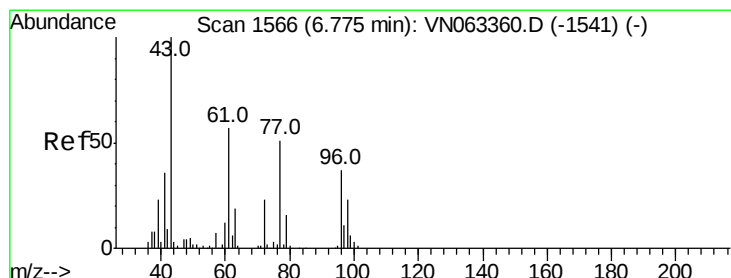
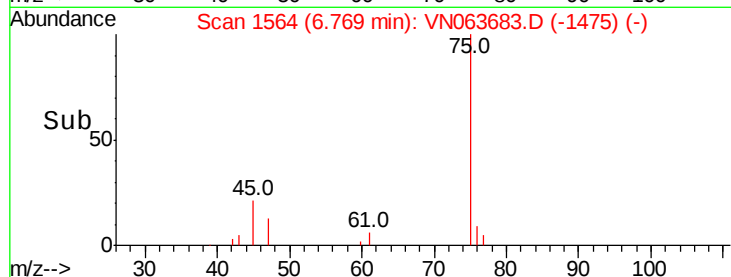
200

100

0

6.72 6.74 6.76 6.78 6.80

Time-->



#26

2,2-Dichloropropane

Concen: 0.208 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063683.D

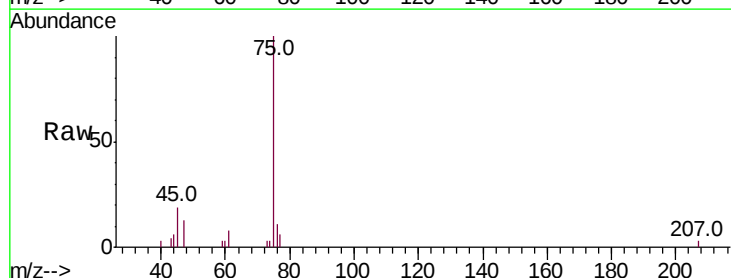
Acq: 25 Sep 2020 17:07

Tgt Ion: 77 Resp: 879

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.78

400

300

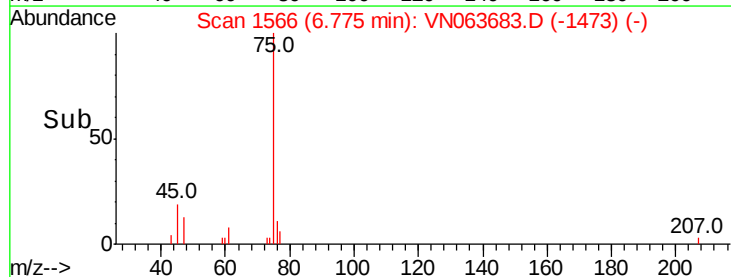
200

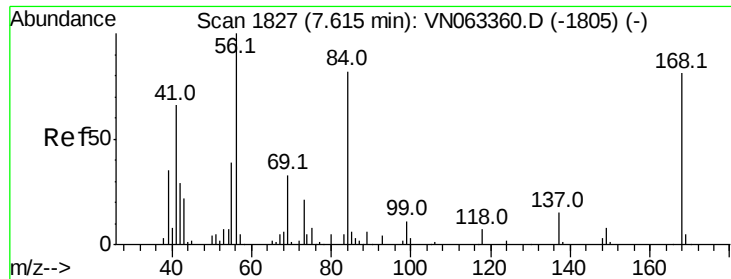
100

0

6.75 6.78 6.80

Time-->

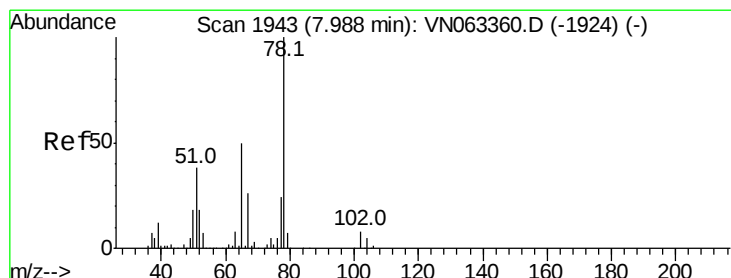
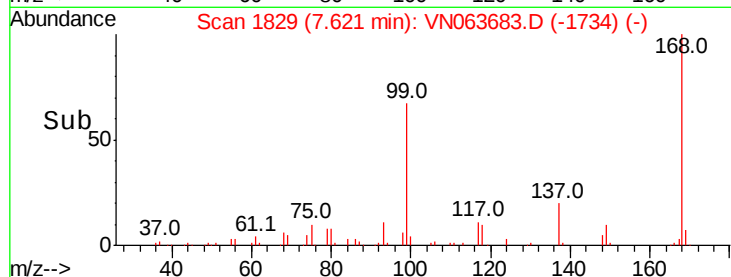
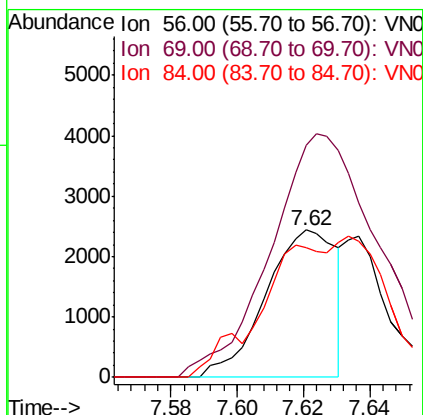
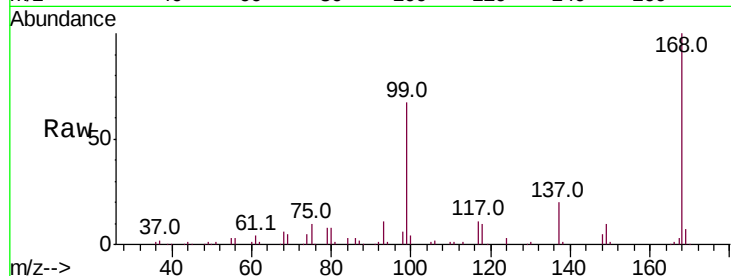




#31
Cyclohexane
Concen: 0.794 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063683.D
Acq: 25 Sep 2020 17:07

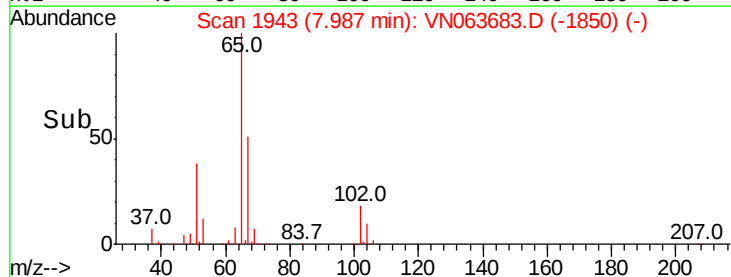
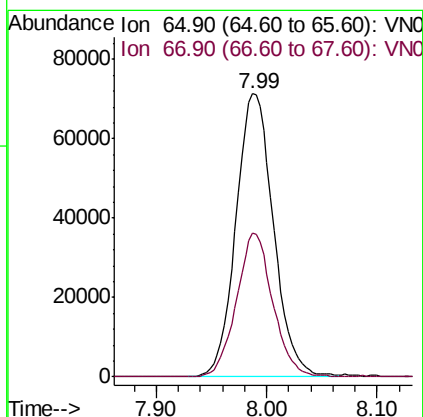
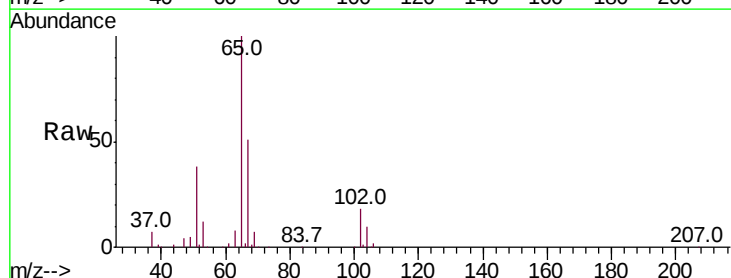
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20200921DL

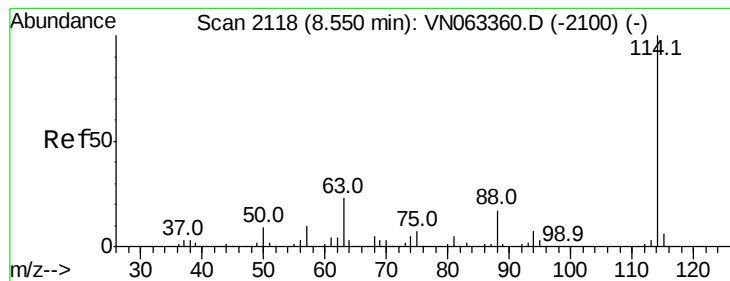
Tot Ion: 56 Resp: 3607
Ion Ratio Lower Upper
56 100
69 150.0 26.1 39.1#
84 87.7 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 51.069 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063683.D
Acq: 25 Sep 2020 17:07

Tgt Ion: 65 Resp: 167994
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200921DL

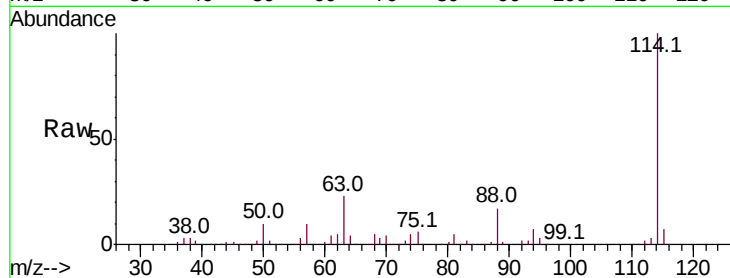
Tot Ion:114 Resp: 365279

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.4

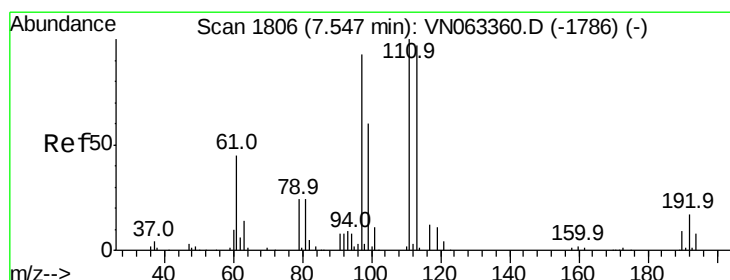
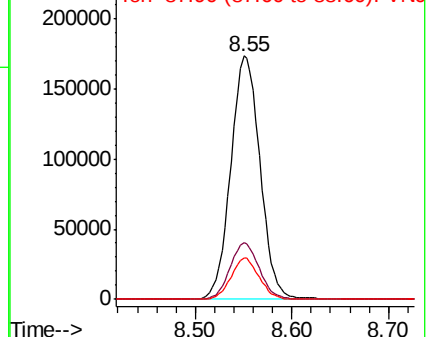
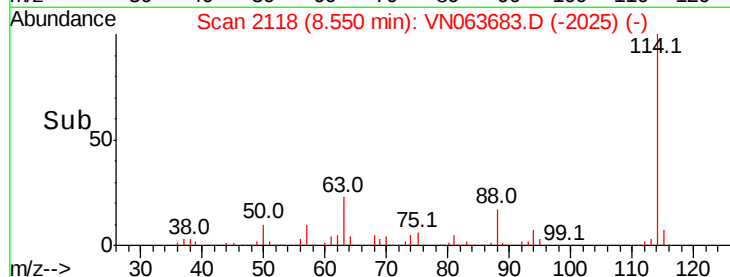
88 17.0 0.0 33.2



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: 48.233 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

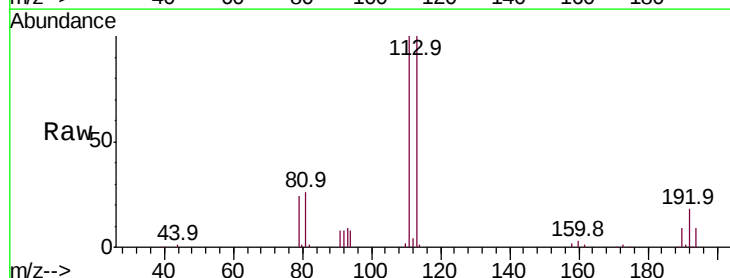
Tgt Ion:113 Resp: 121970

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

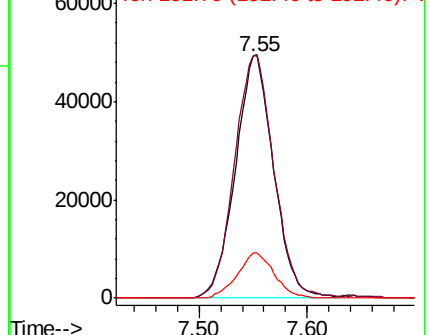
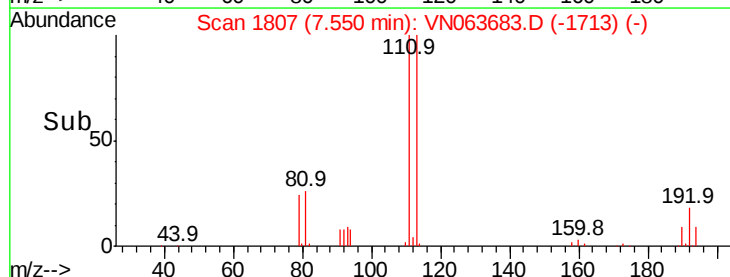
192 18.0 13.9 20.9

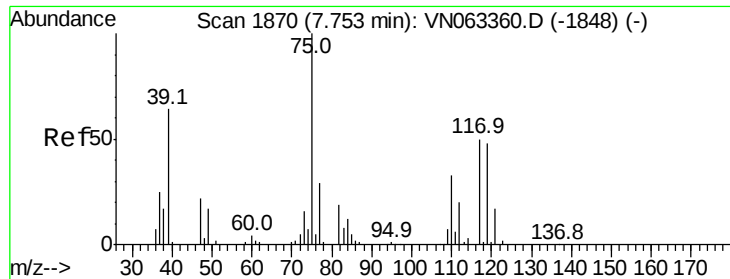


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

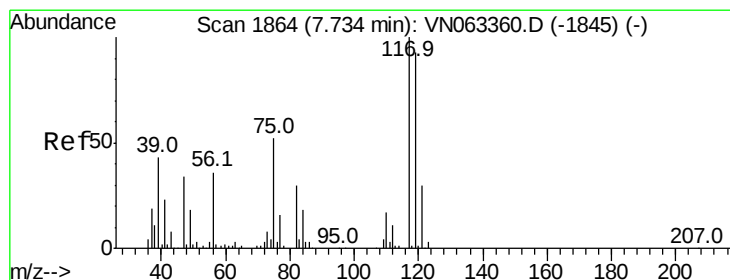
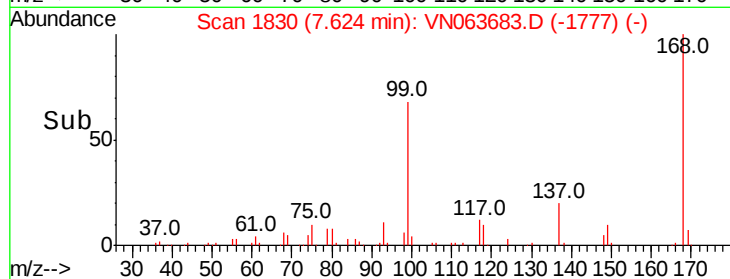
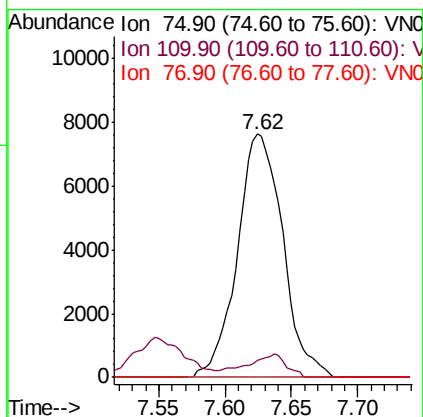
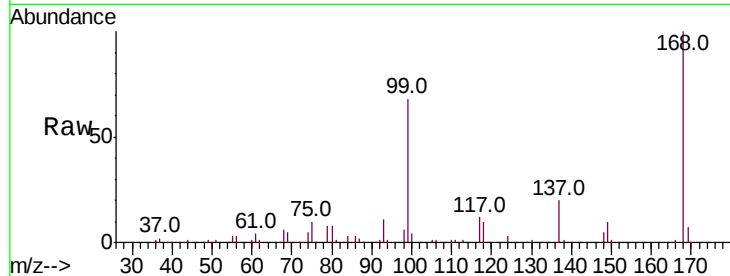




#36
 1,1-Dichloropropene
 Concen: 4.686 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063683.D
 Acq: 25 Sep 2020 17:07

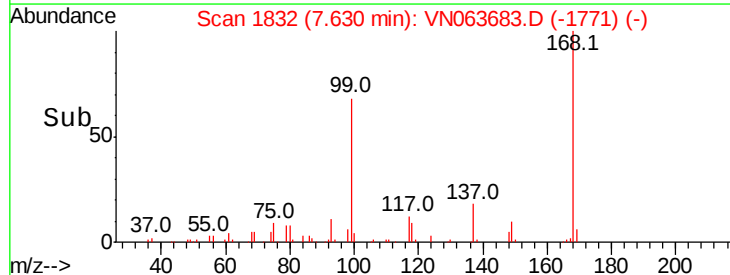
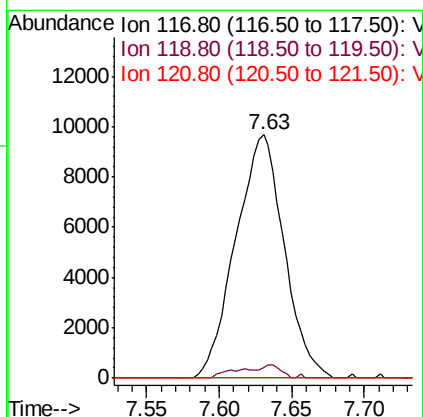
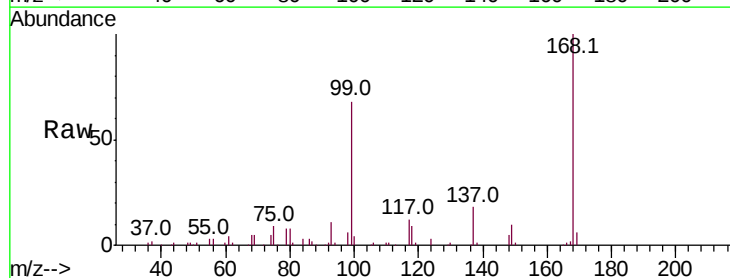
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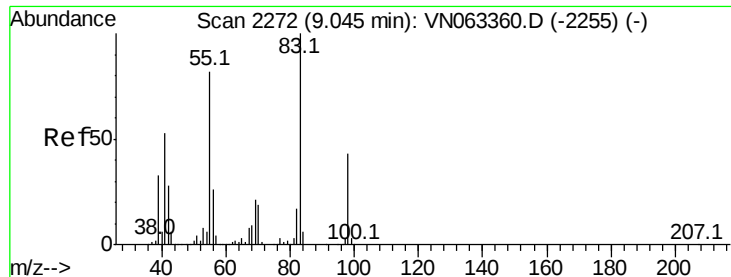
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.5	49.5#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.655 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN063683.D
 Acq: 25 Sep 2020 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	74.5	111.7#
121	0.0	24.1	36.1#





#39

Methylcyclohexane

Concen: 0.508 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.24 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200921DL

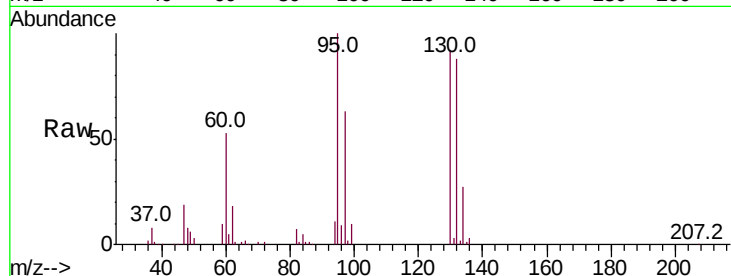
Tot Ion: 83 Resp: 2146

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

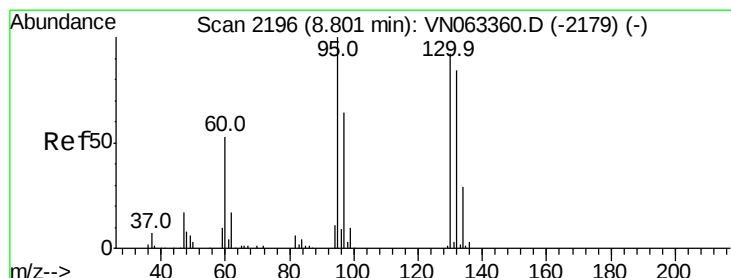
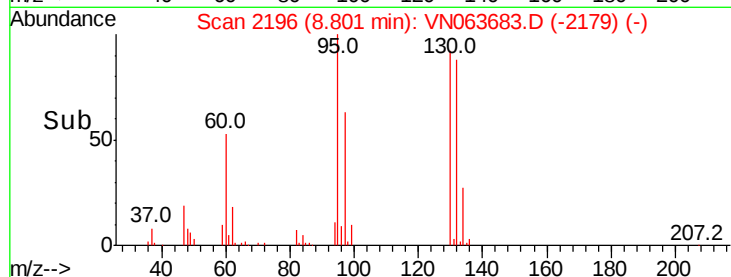
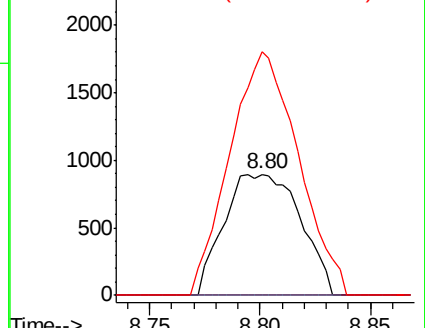
98 201.0 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#44

Trichloroethene

Concen: 51.945 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063683.D

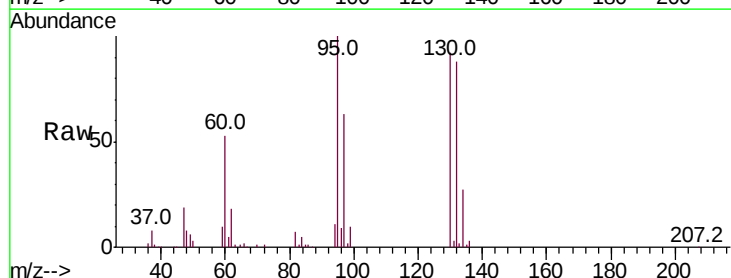
Acq: 25 Sep 2020 17:07

Tgt Ion:130 Resp: 139960

Ion Ratio Lower Upper

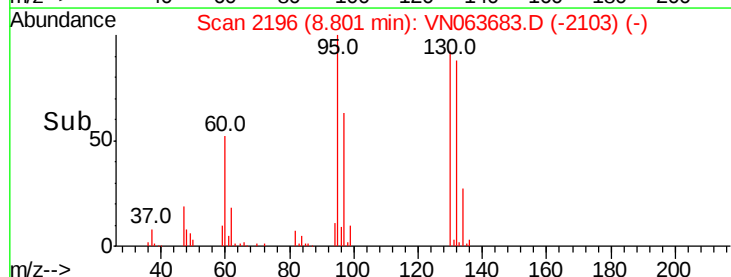
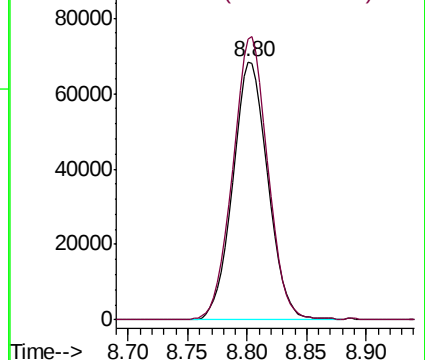
130 100

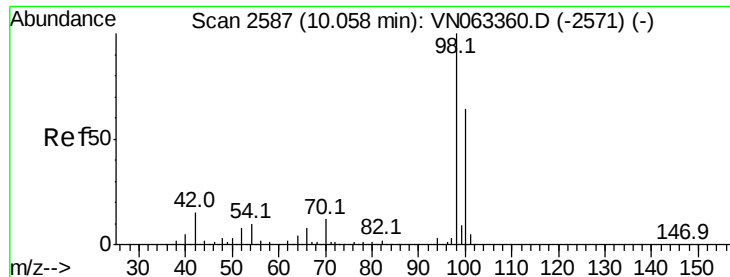
95 108.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.950 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

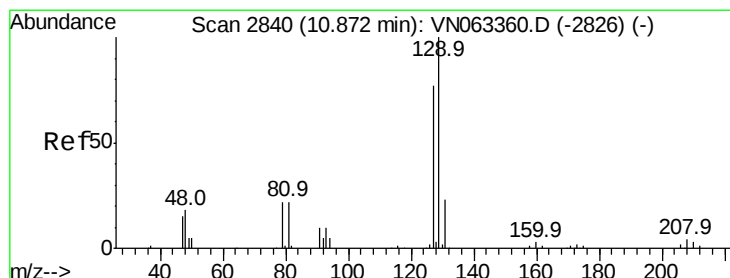
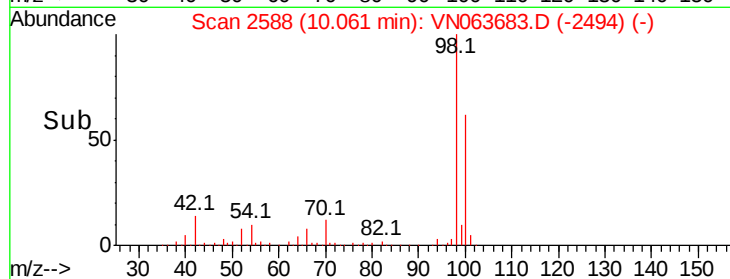
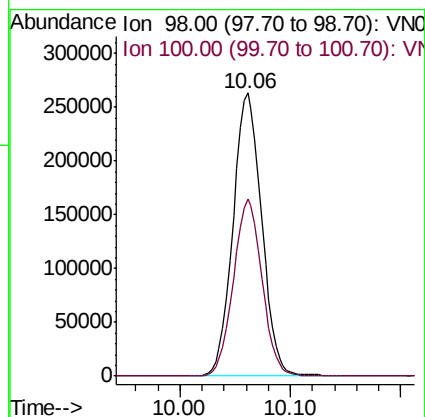
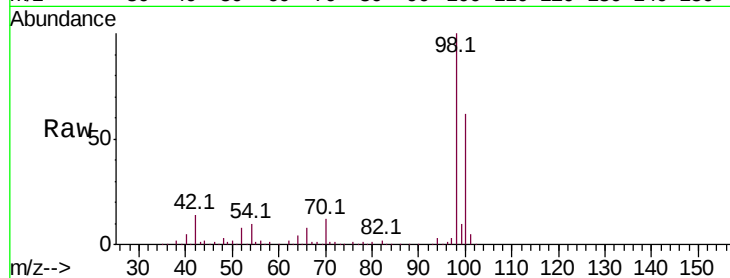
RE103D1-20200921DL

Tot Ion: 98 Resp: 474956

Ion Ratio Lower Upper

98 100

100 62.4 50.7 76.1



#60

Dibromochloromethane

Concen: 0.436 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063683.D

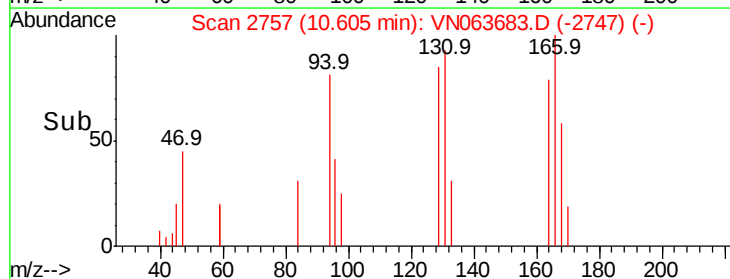
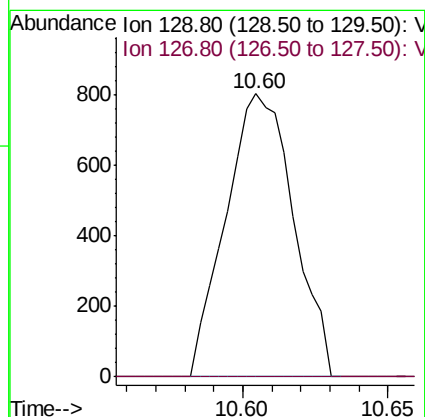
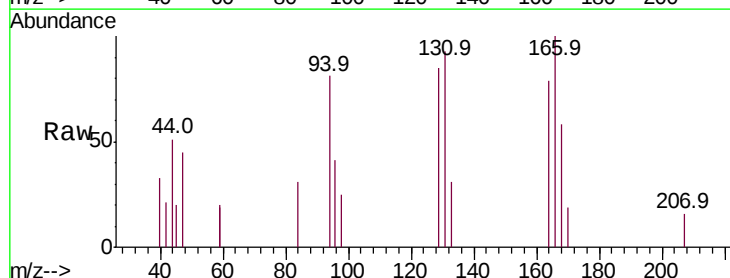
Acq: 25 Sep 2020 17:07

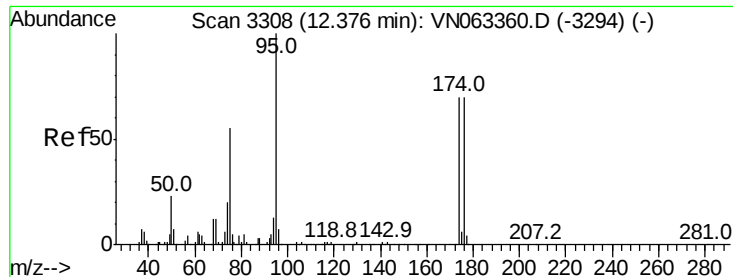
Tgt Ion: 129 Resp: 1307

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 52.609 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200921DL

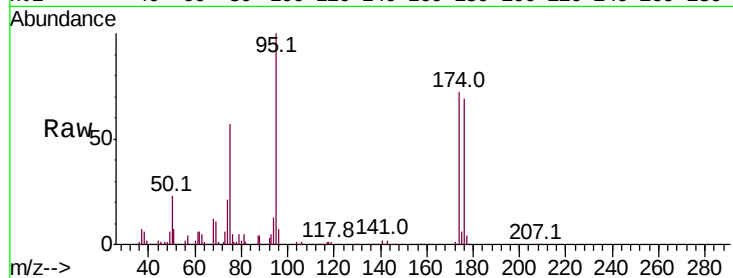
Tot Ion: 95 Resp: 183379

Ion Ratio Lower Upper

95 100

174 73.9 0.0 140.8

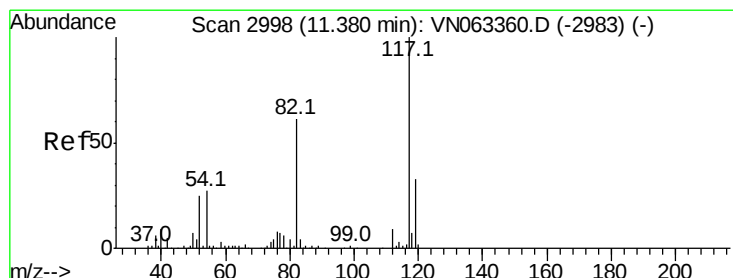
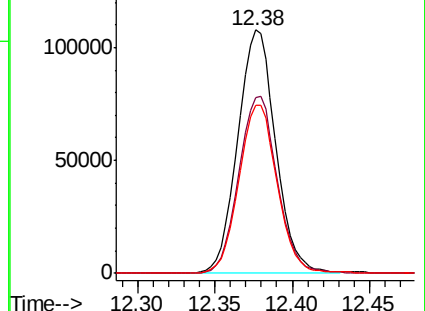
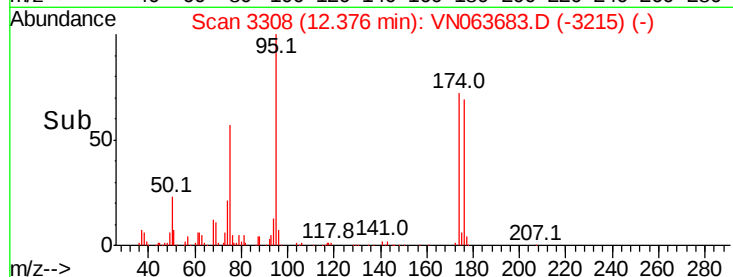
176 70.2 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063683.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063683.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063683.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

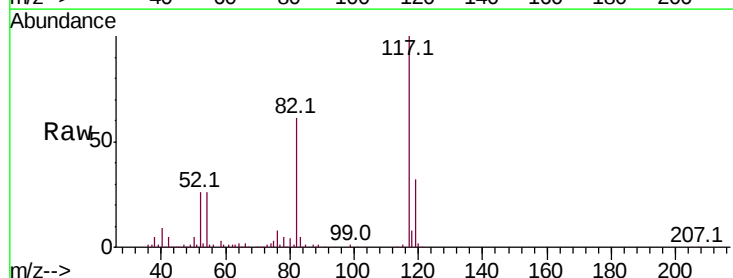
Tgt Ion: 117 Resp: 371334

Ion Ratio Lower Upper

117 100

82 61.2 49.2 73.8

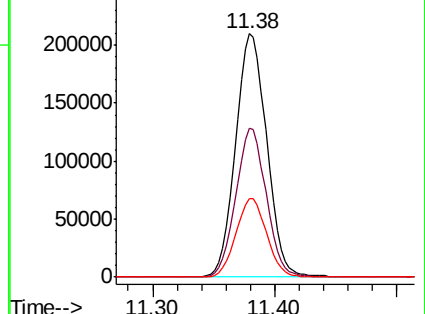
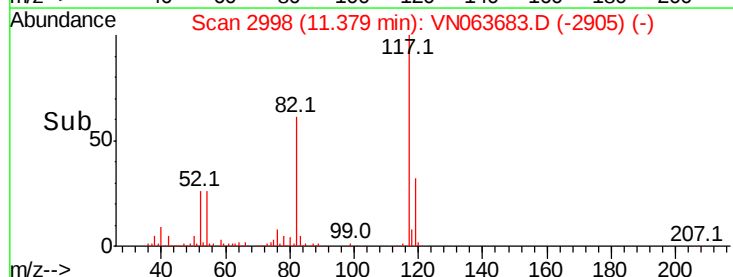
119 32.1 26.2 39.4

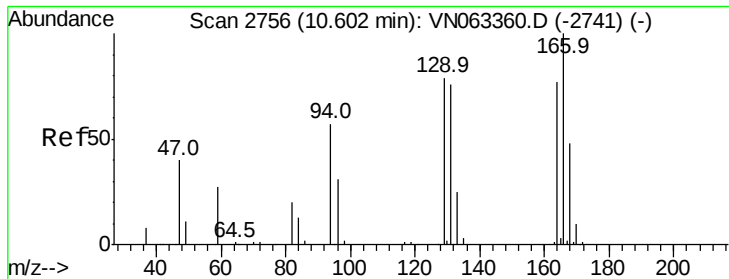


Abundance Ion 116.90 (116.60 to 117.60): VN063683.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063683.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063683.D (-2905) (-)





#64

Tetrachloroethene

Concen: 0.553 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063683.D

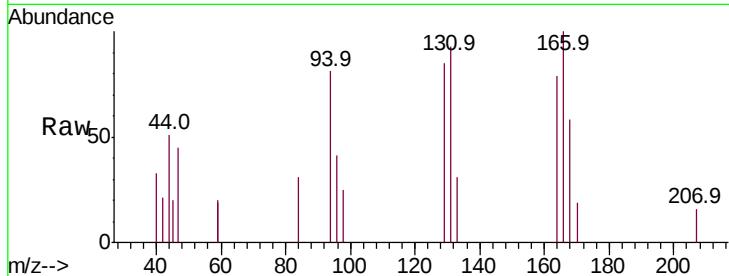
Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200921DL



Tot Ion:164 Resp: 1399

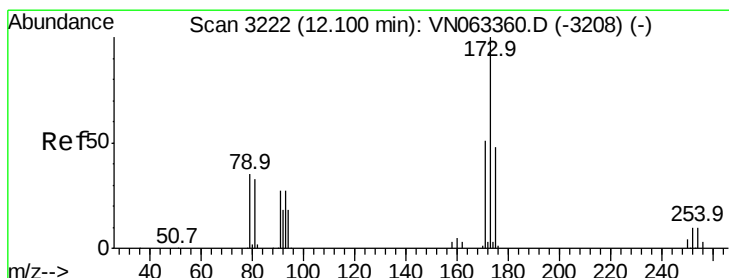
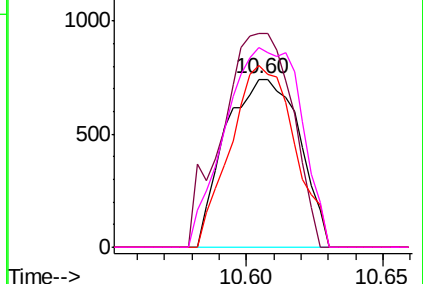
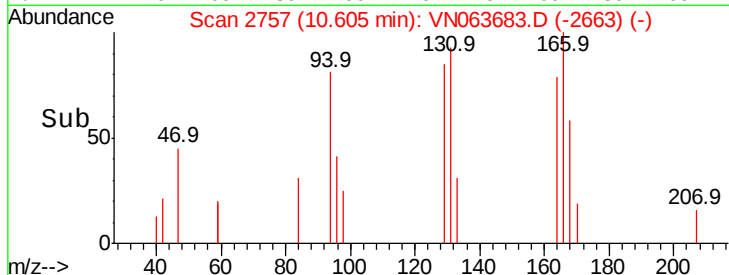
Ion Ratio Lower Upper

164 100

166 126.9 103.4 155.0

129 108.2 81.8 122.6

131 118.6 78.2 117.4#



#71

Bromoform

Concen: 0.372 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

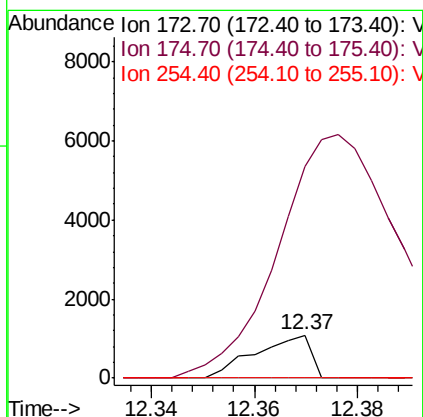
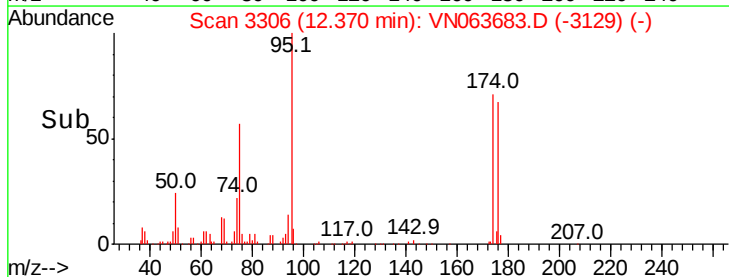
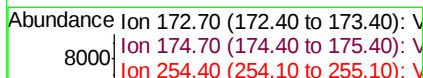
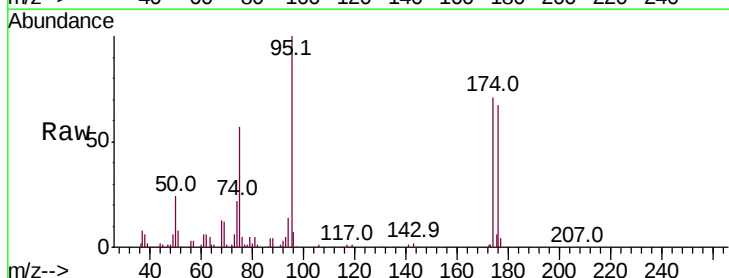
Tgt Ion:173 Resp: 800

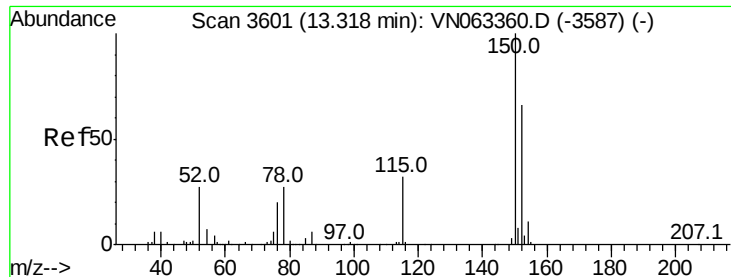
Ion Ratio Lower Upper

173 100

175 1038.3 24.0 72.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200921DL

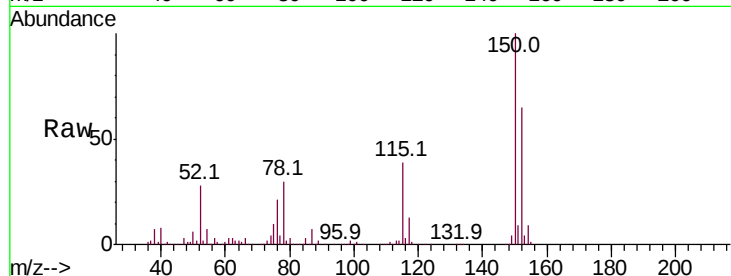
Tot Ion:152 Resp: 157919

Ion Ratio Lower Upper

152 100

115 62.1 32.2 96.6

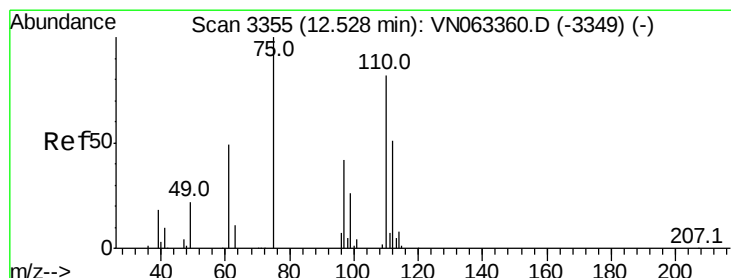
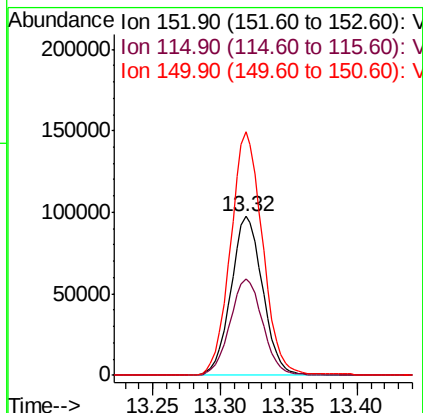
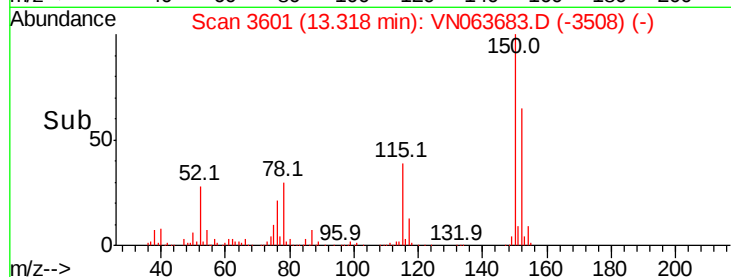
150 155.1 0.0 343.4



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: 26.675 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063683.D

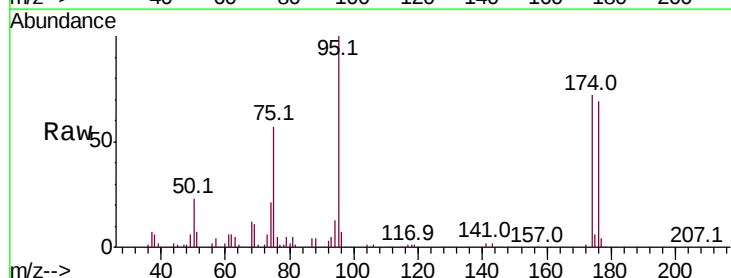
Acq: 25 Sep 2020 17:07

Tgt Ion: 75 Resp: 104264

Ion Ratio Lower Upper

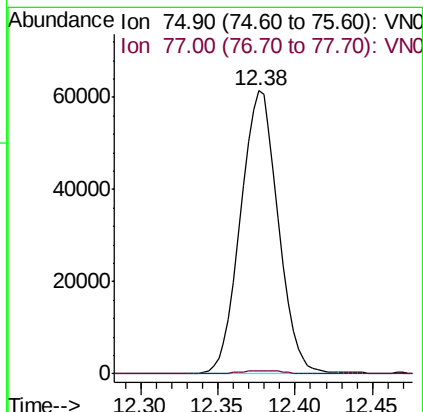
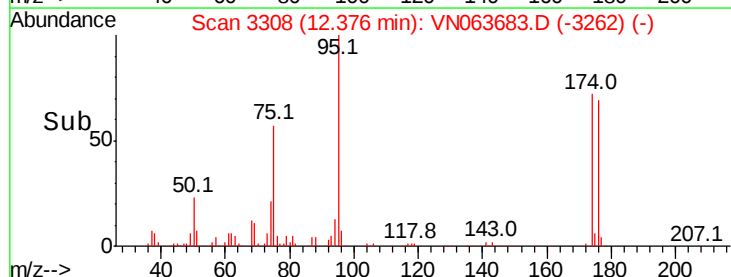
75 100

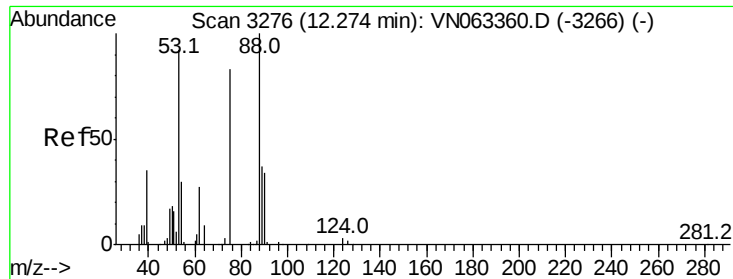
77 1.4 0.0 0.0#



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: 73.132 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063683.D

Acq: 25 Sep 2020 17:07

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200921DL

Tot Ion: 75 Resp: 104264

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

