

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063546.D
 Acq On : 22 Sep 2020 20:31
 Operator : JC/MD
 Sample : L4082-13DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200915DL

Quant Time: Sep 23 04:03:17 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	220430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177102	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	185738	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.55	113	133103	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	10.06	98	528691	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.38	95	208381	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

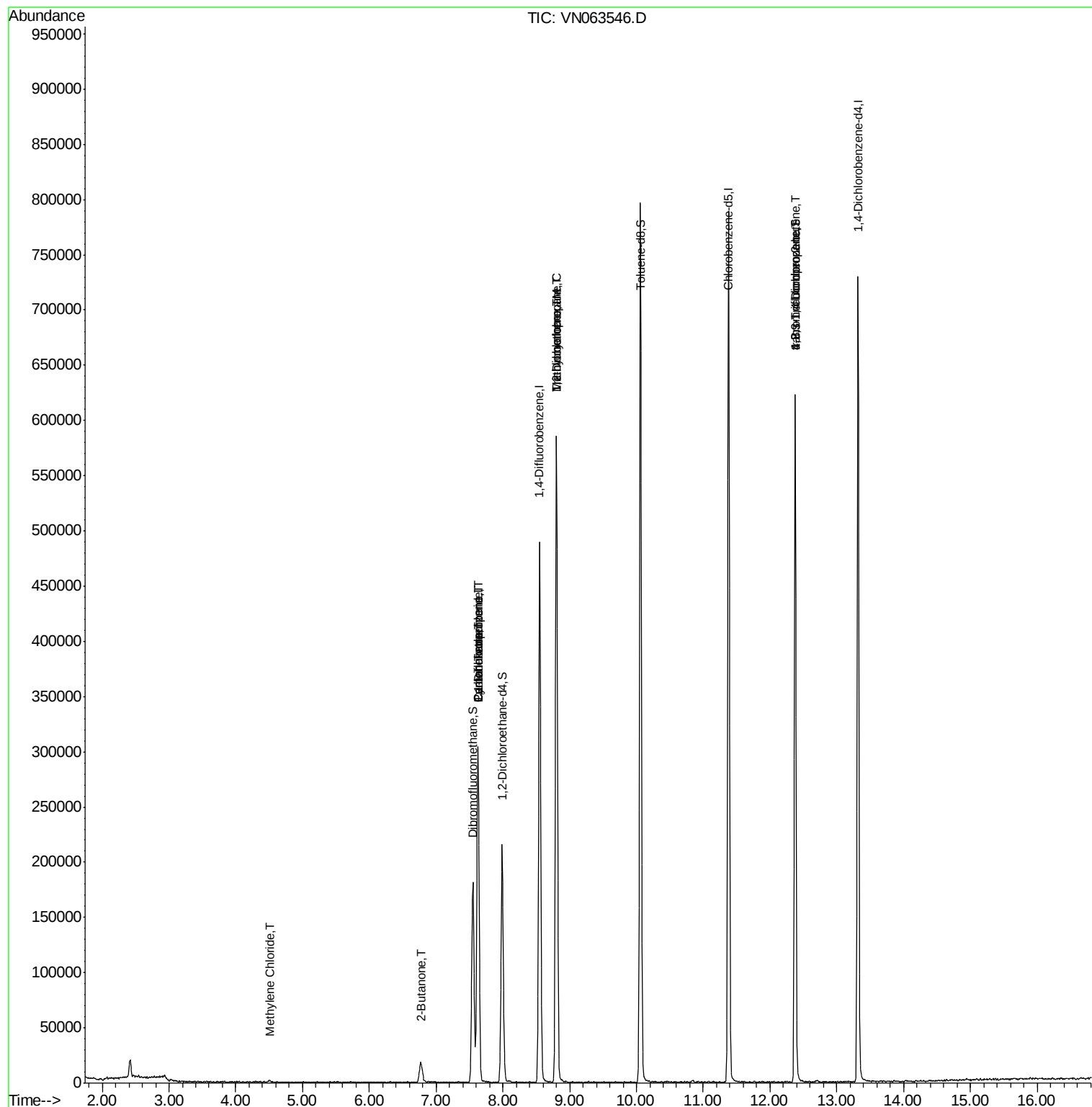
Target Compounds						Qvalue
20) Methylene Chloride	4.51	84	1007	0.330	ug/l #	75
25) 2-Butanone	6.79	43	485	0.261	ug/l #	51
31) Cyclohexane	7.63	56	7154	1.380	ug/l #	47
36) 1,1-Dichloropropene	7.63	75	20857	4.731	ug/l #	52
38) Carbon Tetrachloride	7.63	117	23981	5.329	ug/l #	18
39) Methylcyclohexane	8.80	83	2773	0.580	ug/l #	1
44) Trichloroethene	8.80	130	196793	64.477	ug/l	100
45) 1,2-Dichloropropane	8.80	63	703	0.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	117544	26.815	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117544	73.516	ug/l #	7

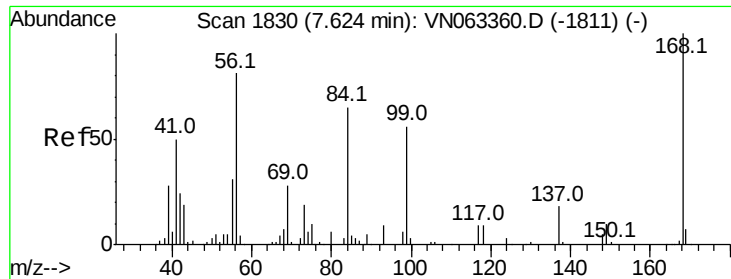
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063546.D

Acq: 22 Sep 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

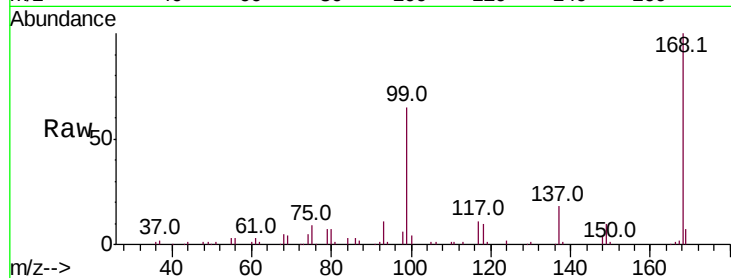
RE108D2-20200915DL

Tot Ion:168 Resp: 220430

Ion Ratio Lower Upper

168 100

99 65.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

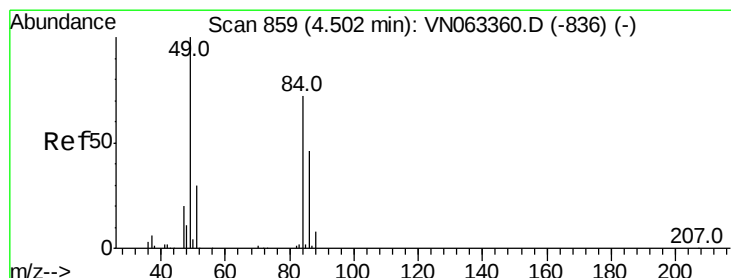
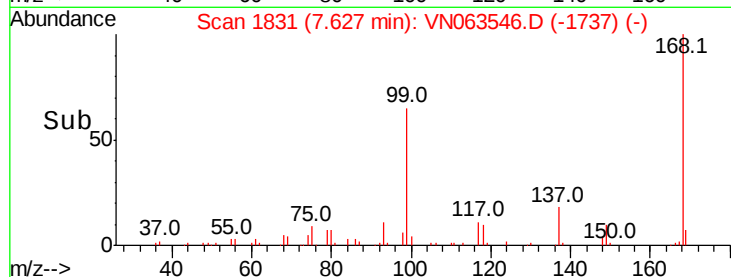
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#20

Methylene Chloride

Concen: 0.330 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

Tgt Ion: 84 Resp: 1007

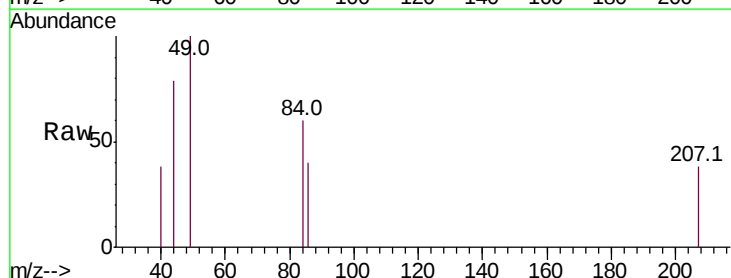
Ion Ratio Lower Upper

84 100

49 166.2 110.7 166.1#

51 0.0 32.9 49.3#

86 67.3 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

1000

800

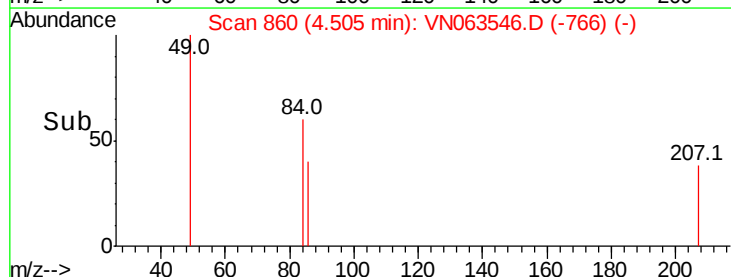
600

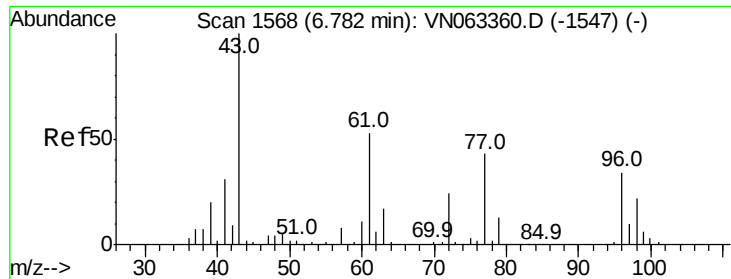
400

200

0

Time--> 4.50 4.55

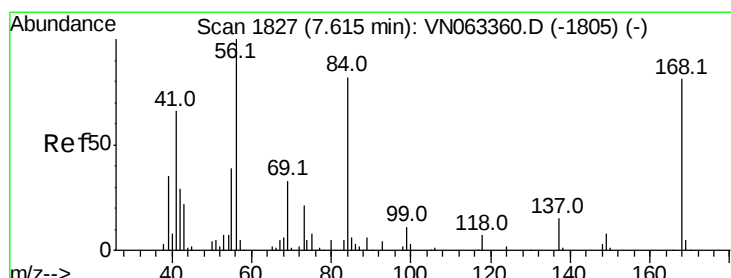
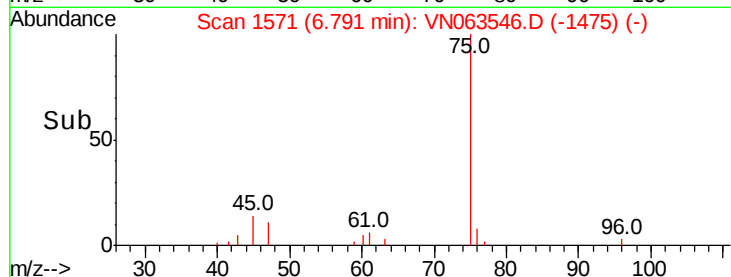
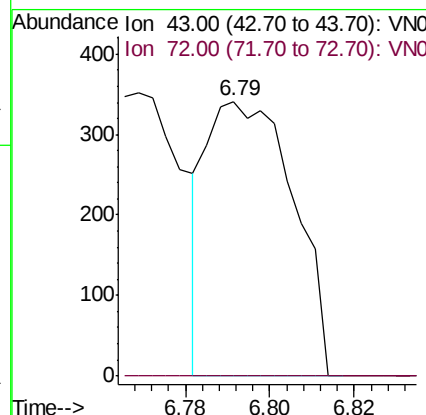
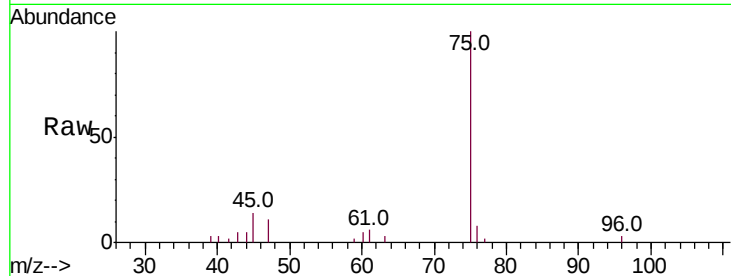




#25
2-Butanone
Concen: 0.261 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063546.D
Acq: 22 Sep 2020 20:31

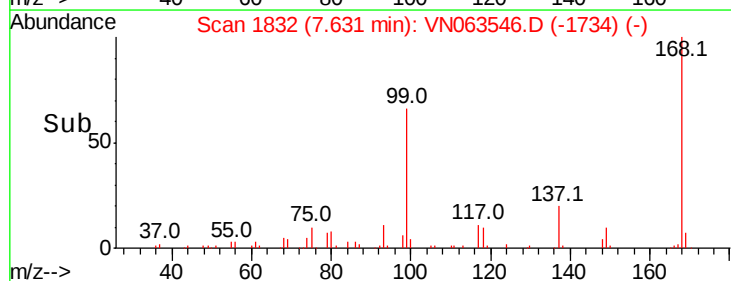
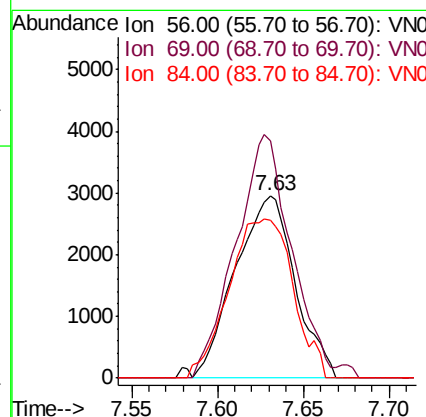
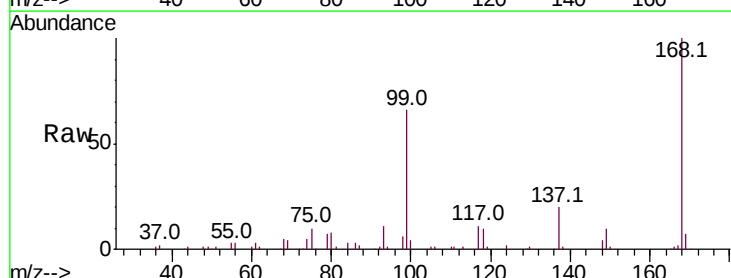
Instrument :
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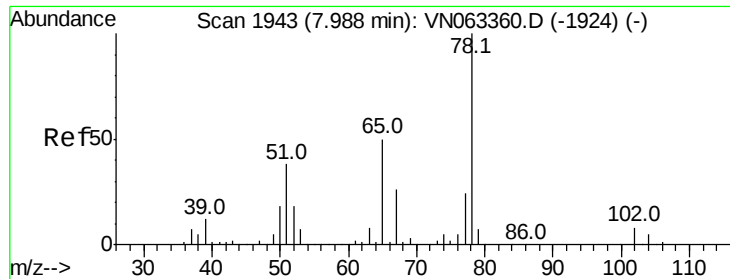
Tot Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063546.D
Acq: 22 Sep 2020 20:31

Tgt Ion: 56 Resp: 7154
Ion Ratio Lower Upper
56 100
69 129.7 26.1 39.1#
84 86.6 65.4 98.2

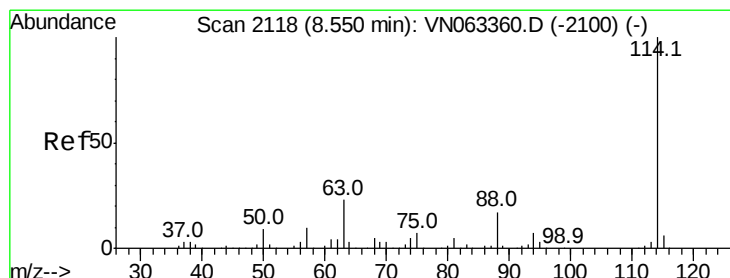
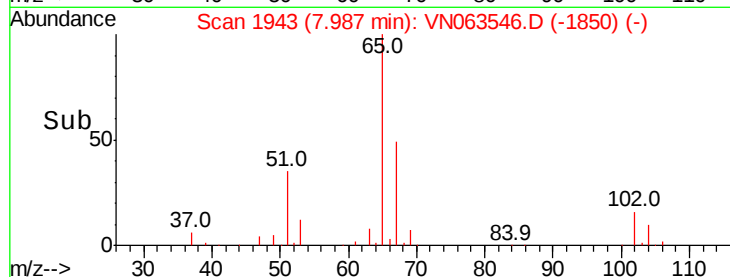
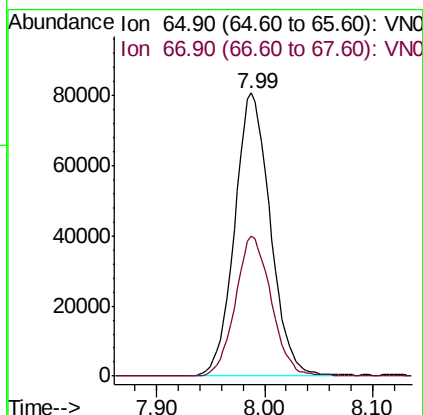
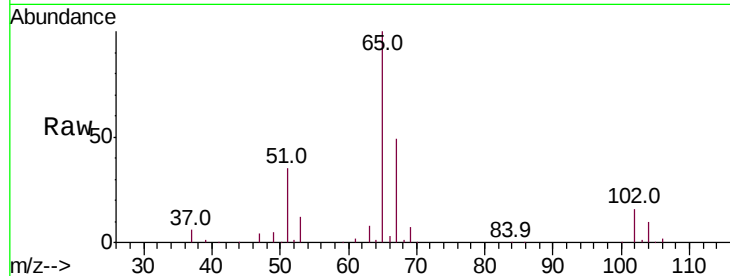




#33
 1,2-Dichloroethane-d4
 Concen: 49.500 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063546.D
 Acq: 22 Sep 2020 20:31

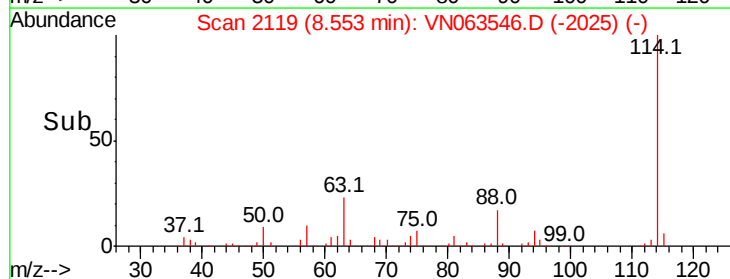
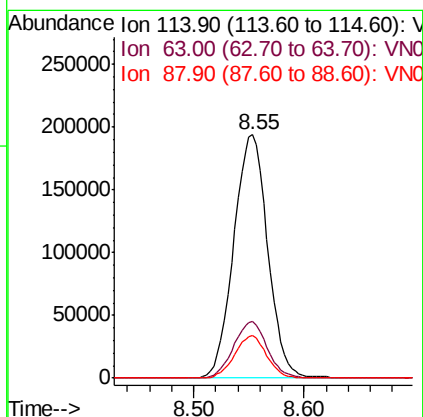
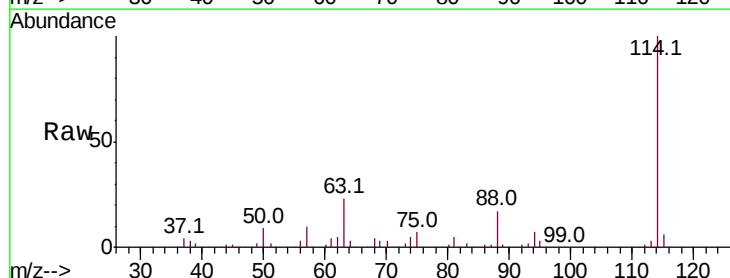
Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D2-20200915DL

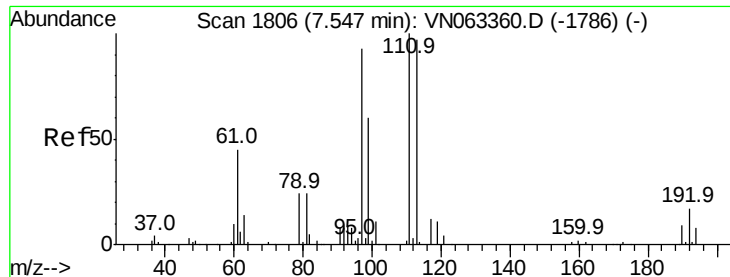
Tot Ion: 65 Resp: 185738
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063546.D
 Acq: 22 Sep 2020 20:31

Tgt Ion: 114 Resp: 413773
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 17.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.467 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

RE108D2-20200915DL

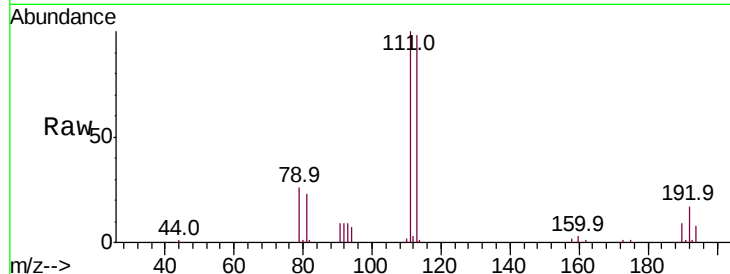
Tot Ion:113 Resp: 133103

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

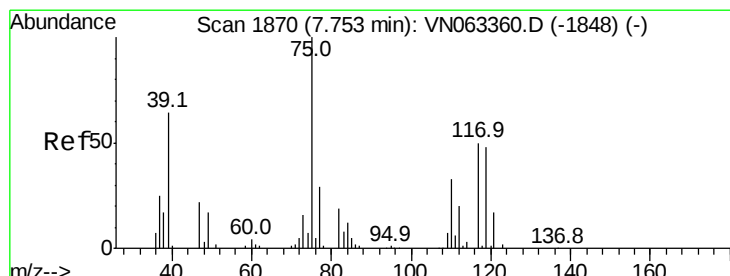
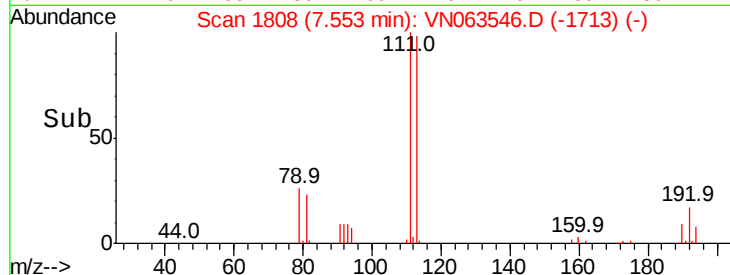
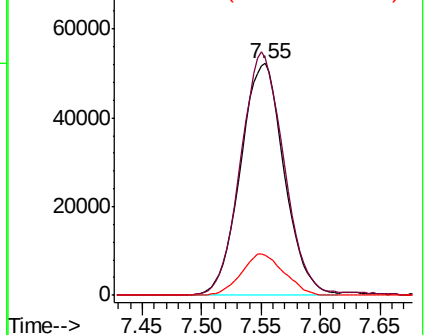
192 17.4 13.9 20.9



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: 4.731 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

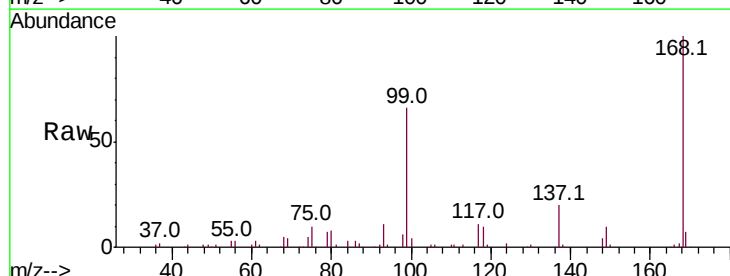
Tgt Ion: 75 Resp: 20857

Ion Ratio Lower Upper

75 100

110 10.3 16.5 49.5#

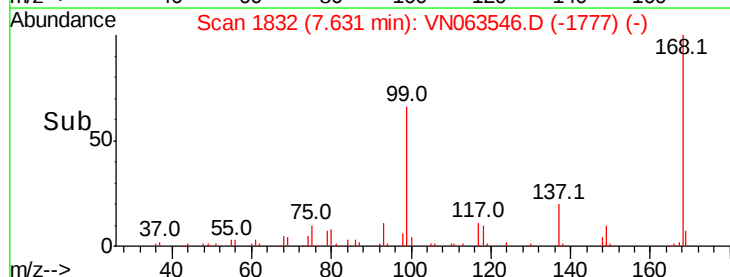
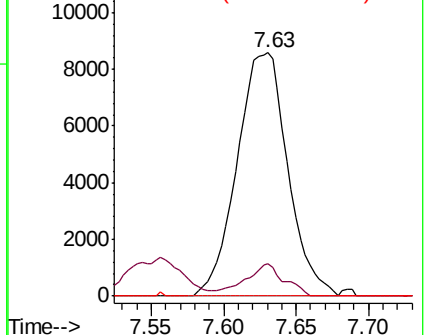
77 0.0 24.6 36.8#

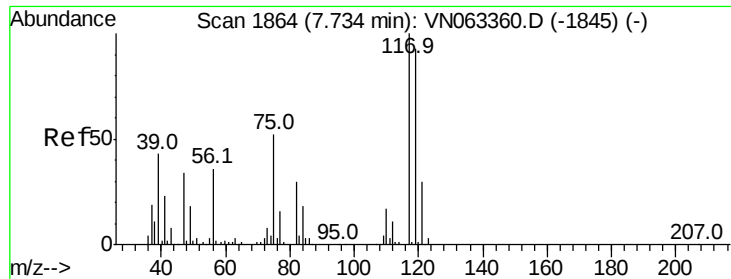


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

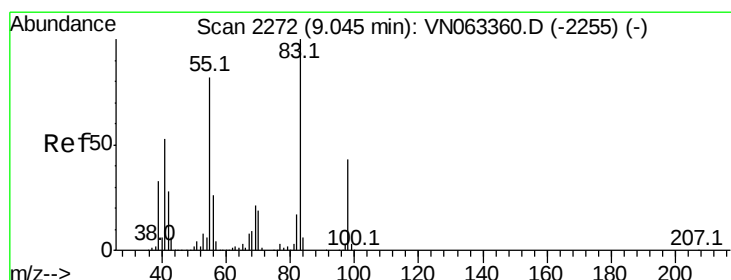
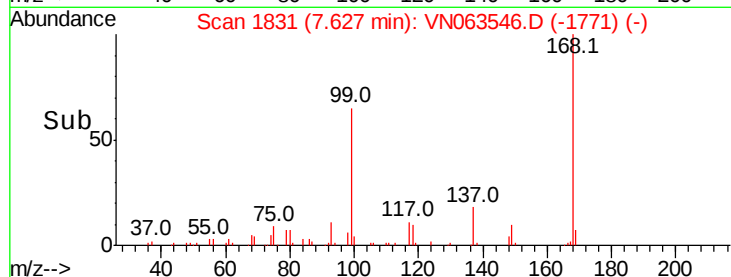
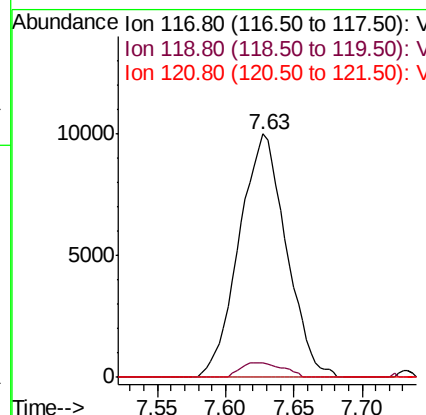
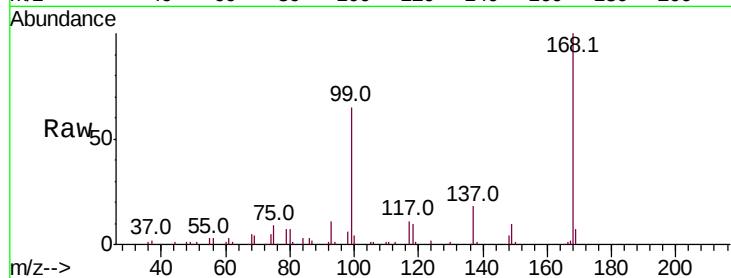




#38
Carbon Tetrachloride
Concen: 5.329 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063546.D
Acq: 22 Sep 2020 20:31

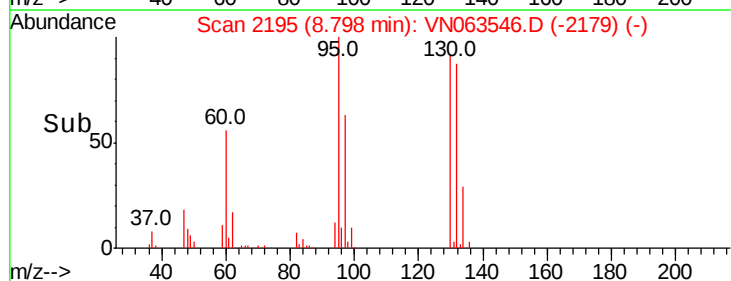
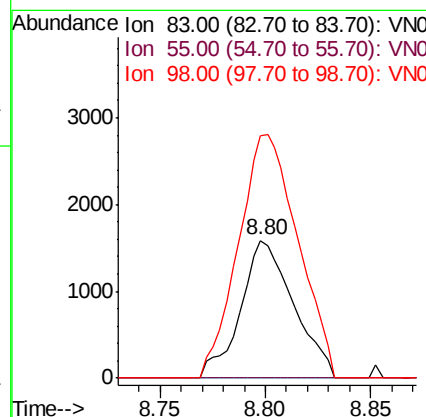
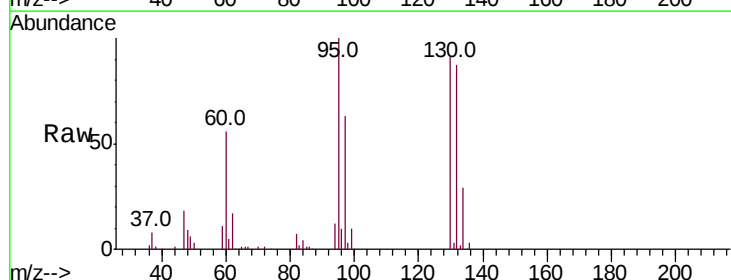
Instrument :
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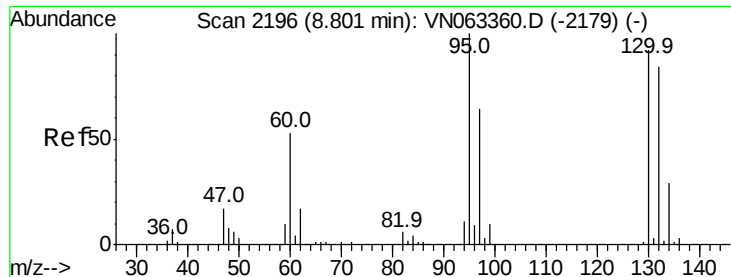
Tot Ion:117 Resp: 23981
Ion Ratio Lower Upper
117 100
119 6.1 74.5 111.7#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.580 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VN063546.D
Acq: 22 Sep 2020 20:31

Tgt Ion: 83 Resp: 2773
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 176.3 34.2 51.4#





#44

Trichloroethene

Concen: 64.477 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

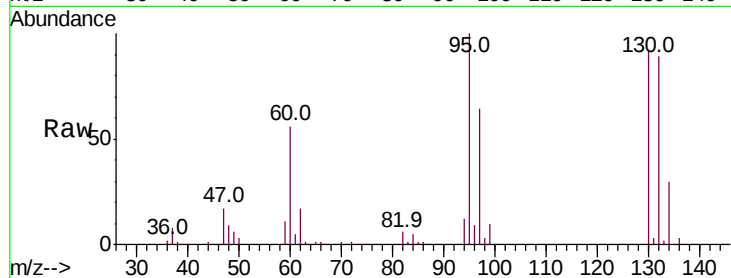
RE108D2-20200915DL

Tot Ion:130 Resp: 196793

Ion Ratio Lower Upper

130 100

95 108.5 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) (-)

120000

100000

80000

60000

40000

20000

0

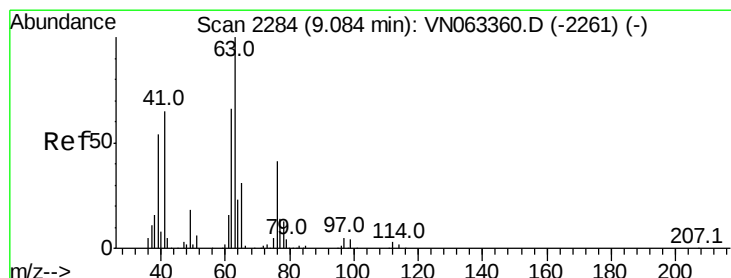
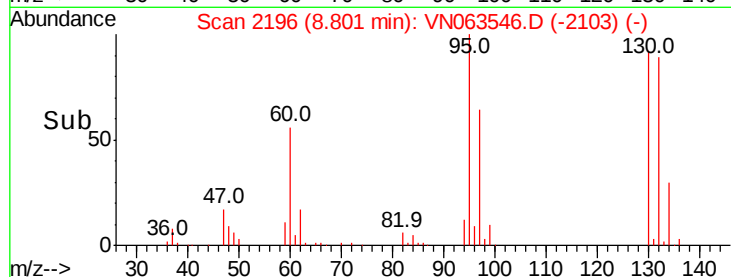
8.80

8.75

8.85

8.90

Time-->



#45

1,2-Dichloropropane

Concen: 0.205 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.28 min

Lab File: VN063546.D

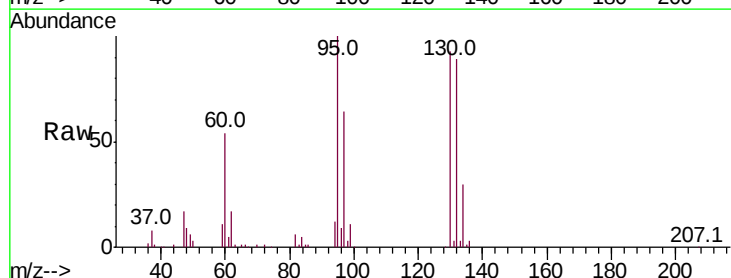
Acq: 22 Sep 2020 20:31

Tgt Ion: 63 Resp: 703

Ion Ratio Lower Upper

63 100

65 163.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN063360.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN063360.D (-2261) (-)

1500

1000

500

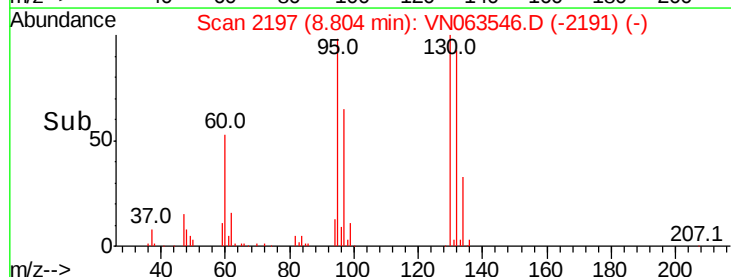
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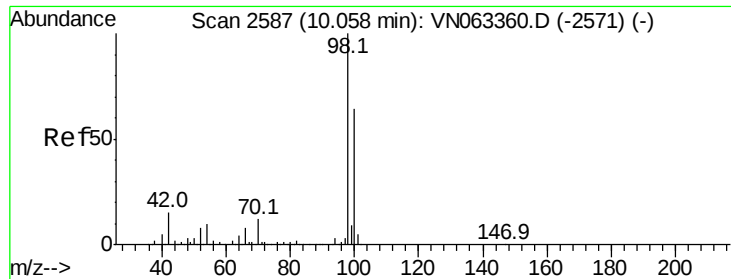
8.80

8.82

8.84

Time-->





#50

Toluene-d8

Concen: 49.085 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

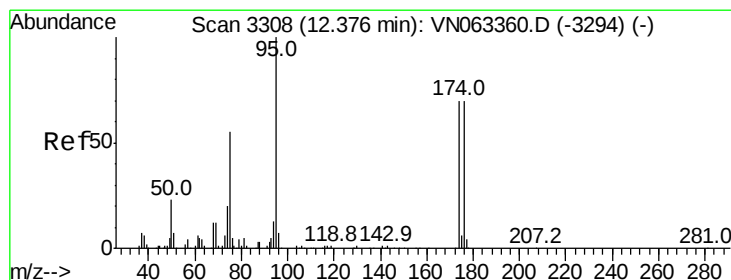
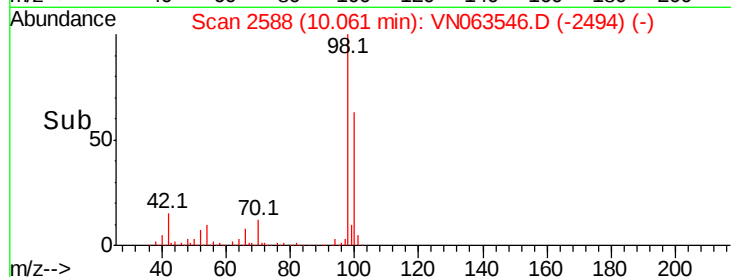
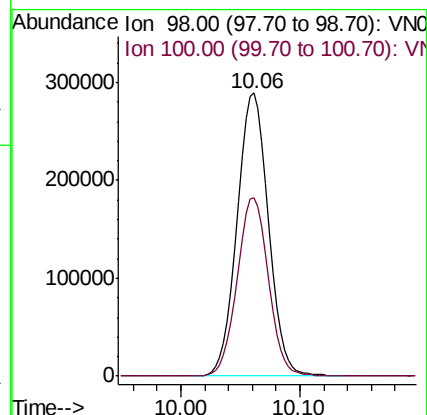
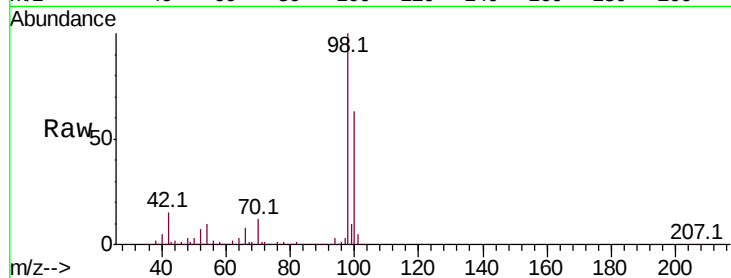
RE108D2-20200915DL

Tot Ion: 98 Resp: 528691

Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 52.776 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

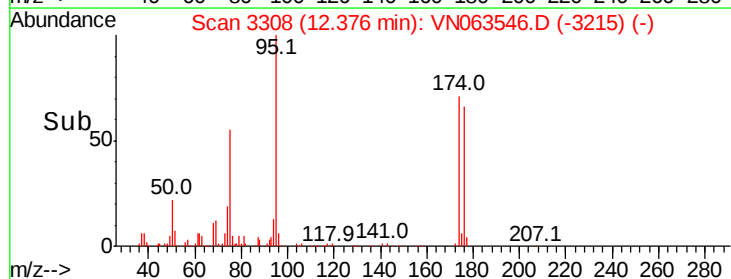
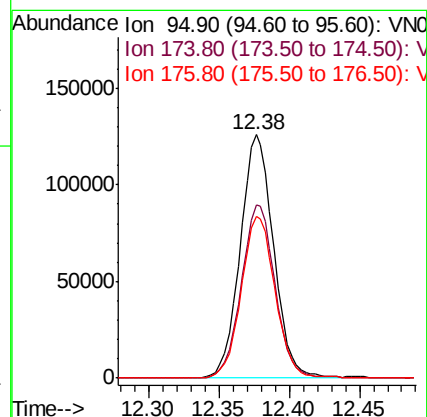
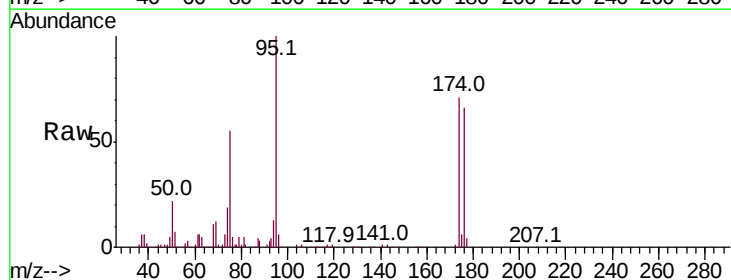
Tgt Ion: 95 Resp: 208381

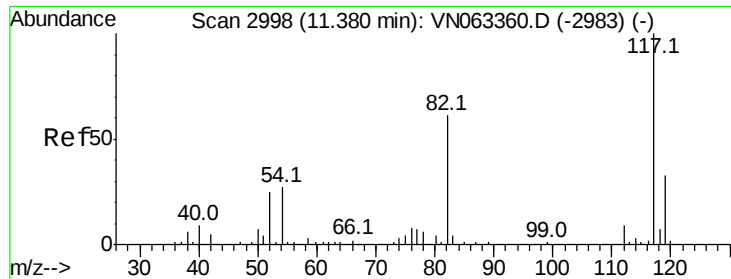
Ion Ratio Lower Upper

95 100

174 71.9 0.0 140.8

176 67.8 0.0 137.6

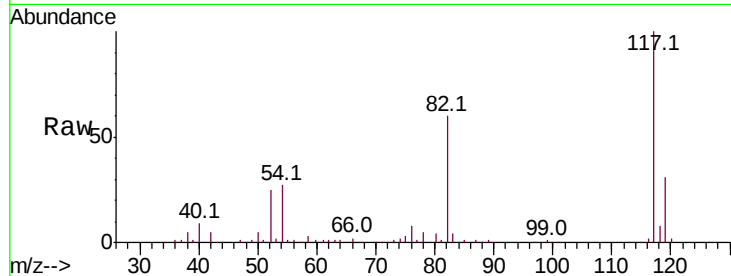




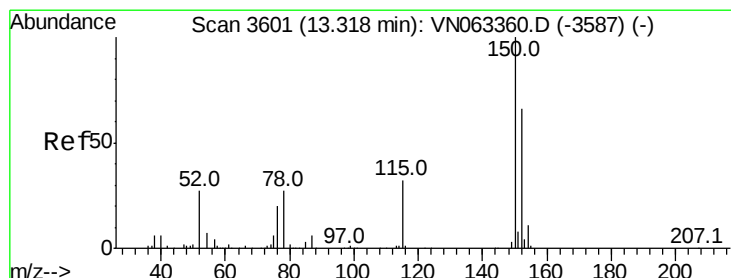
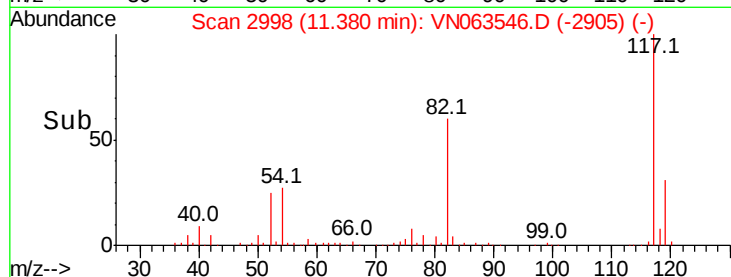
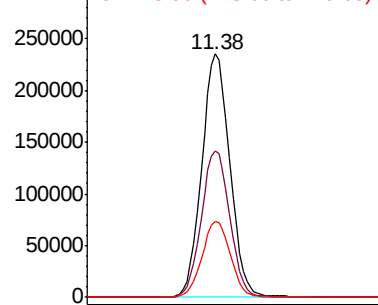
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063546.D
Acq: 22 Sep 2020 20:31

Instrument :
MSVOA_N
ClientSampleId :
RE108D2-20200915DL

Tot Ion:117 Resp: 416092
Ion Ratio Lower Upper
117 100
82 60.3 49.2 73.8
119 31.1 26.2 39.4

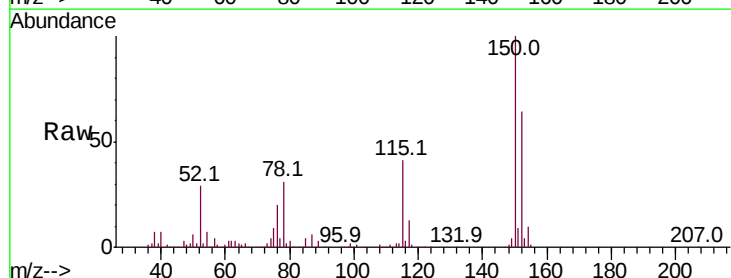


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

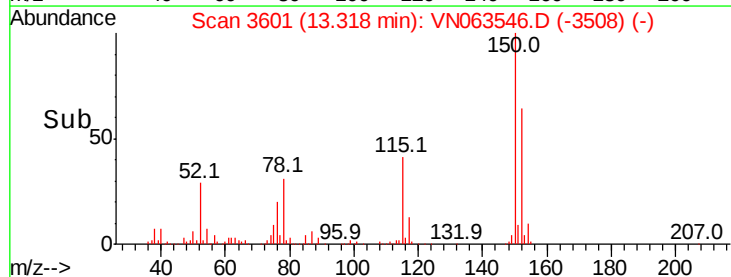
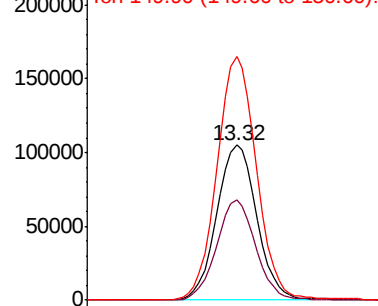


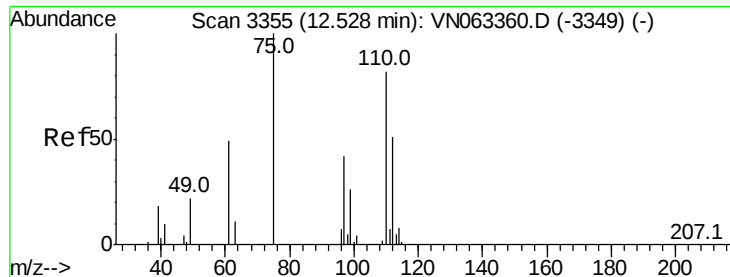
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063546.D
Acq: 22 Sep 2020 20:31

Tgt Ion:152 Resp: 177102
Ion Ratio Lower Upper
152 100
115 63.6 32.2 96.6
150 155.4 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: 26.815 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

Instrument :

MSVOA_N

ClientSampleId :

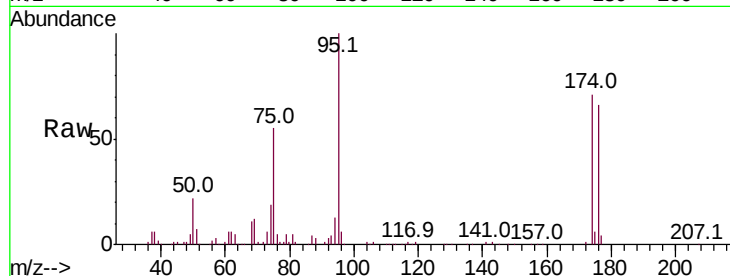
RE108D2-20200915DL

Tot Ion: 75 Resp: 117544

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

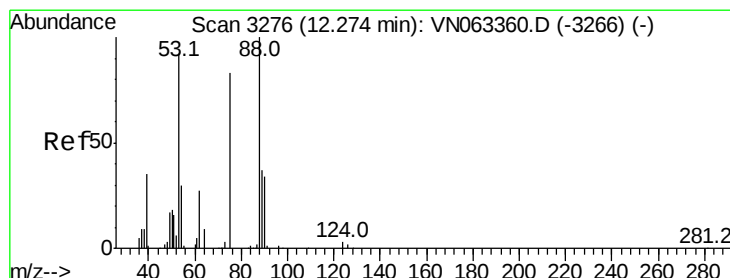
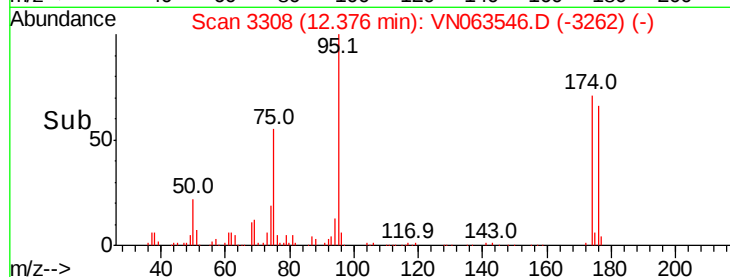
40000

20000

0

Time-->

12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 73.516 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063546.D

Acq: 22 Sep 2020 20:31

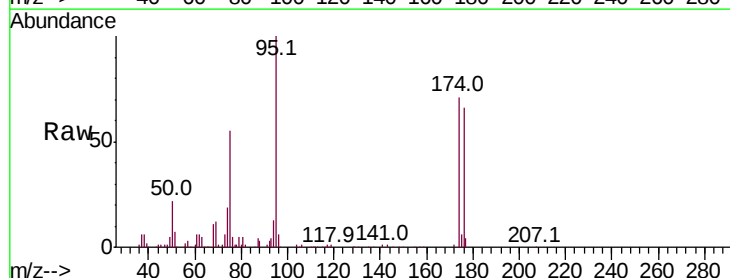
Tgt Ion: 75 Resp: 117544

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



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 12.50

