

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063685.D
 Acq On : 25 Sep 2020 17:55
 Operator : JC/MD
 Sample : L4119-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D3-20200921DL

Quant Time: Sep 28 02:03:40 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	188820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	349240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	362105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154687	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	166582	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.55	113	119289	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	10.06	98	454010	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.38	95	179639	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	

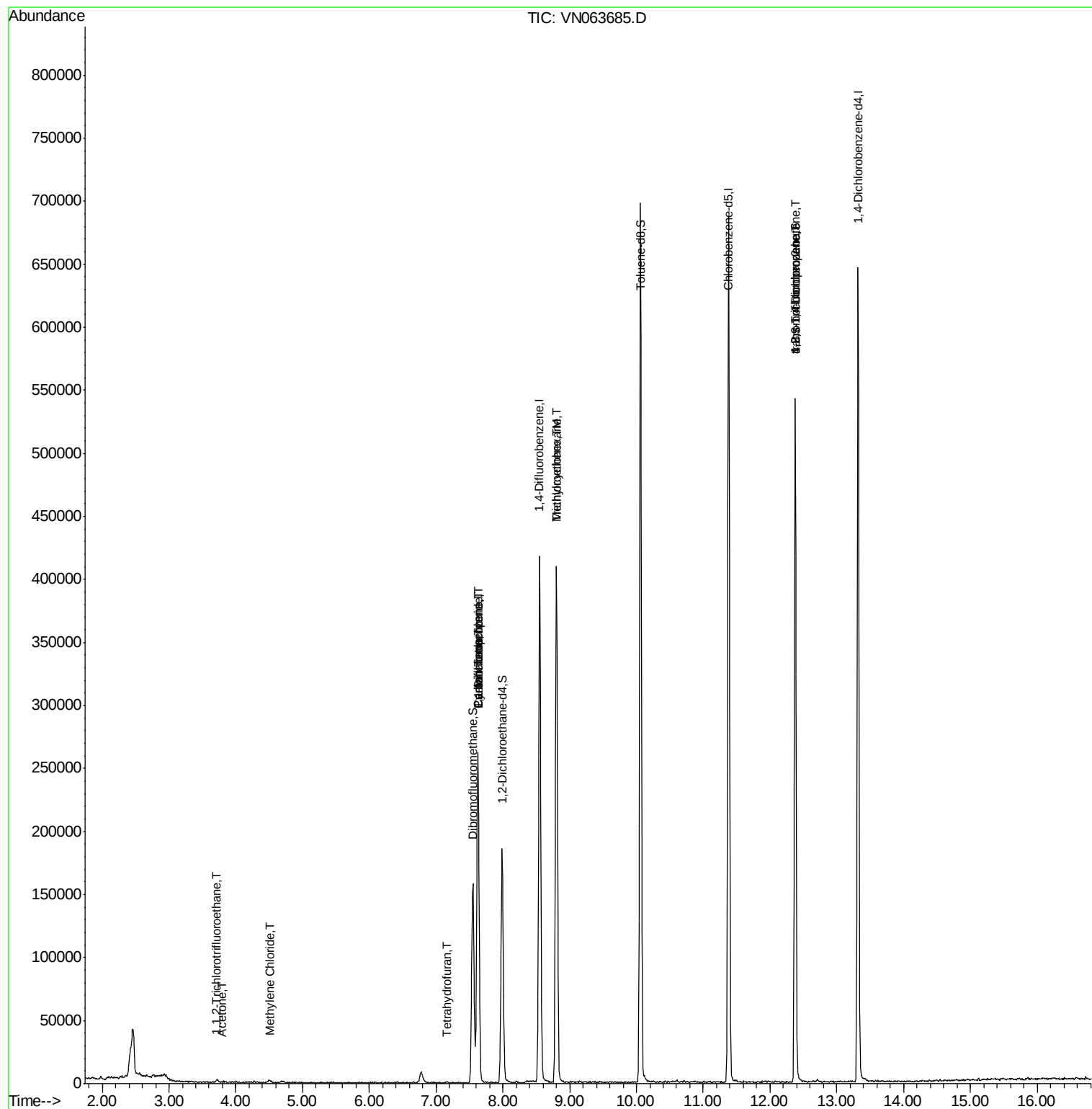
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.70	101	743	0.353	ug/l #	75
16) Acetone	3.79	43	596	0.577	ug/l #	47
20) Methylene Chloride	4.51	84	922	0.352	ug/l #	51
29) Tetrahydrofuran	7.17	42	368	0.339	ug/l #	36
31) Cyclohexane	7.62	56	5949	1.340	ug/l #	41
36) 1,1-Dichloropropene	7.62	75	17335	4.659	ug/l #	47
38) Carbon Tetrachloride	7.63	117	21793	5.738	ug/l #	16
39) Methylcyclohexane	8.79	83	1128	0.279	ug/l #	1
44) Trichloroethene	8.80	130	136034	52.806	ug/l	98
76) 1,2,3-Trichloropropane	12.38	75	103883	27.133	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103883	74.387	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: VN063685.D

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Instrument :

MSVOA_N

ClientSampleId :

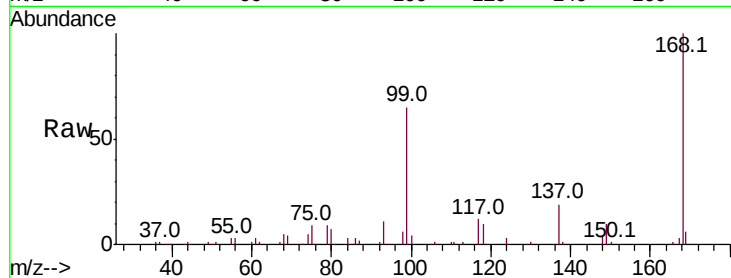
RE103D3-20200921DL

Tot Ion:168 Resp: 188820

Ion Ratio Lower Upper

168 100

99 64.9 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

80000

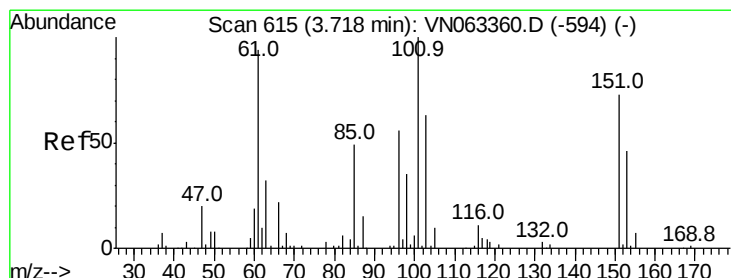
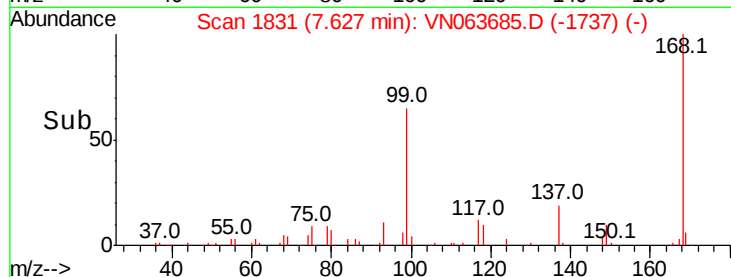
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.353 ug/l

RT: 3.70 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

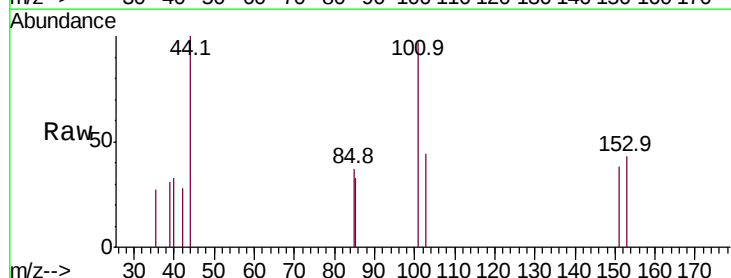
Tgt Ion:101 Resp: 743

Ion Ratio Lower Upper

101 100

85 40.5 37.7 56.5

151 43.3 57.7 86.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

800

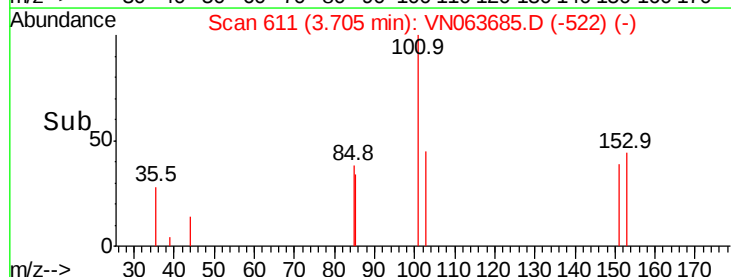
600

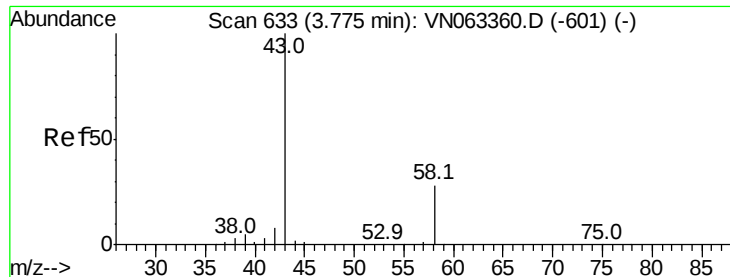
400

200

0

Time--> 3.68 3.70 3.72





#16

Acetone

Concen: 0.577 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

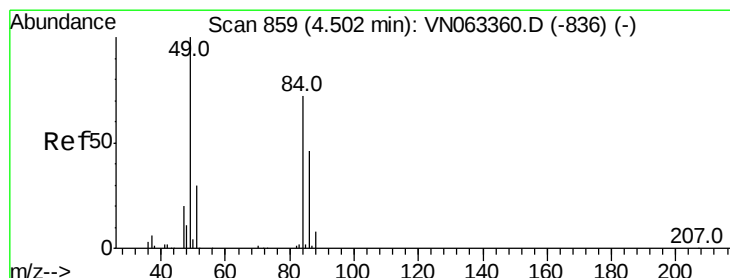
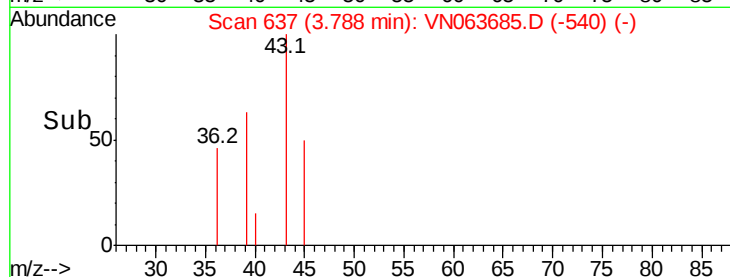
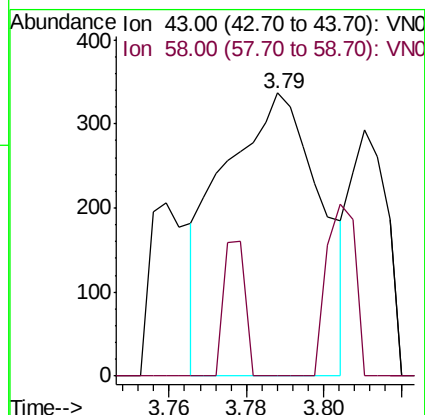
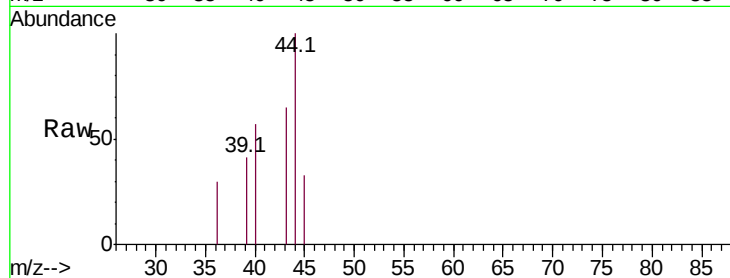
RE103D3-20200921DL

Tot Ion: 43 Resp: 596

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#20

Methylene Chloride

Concen: 0.352 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Tgt Ion: 84 Resp: 922

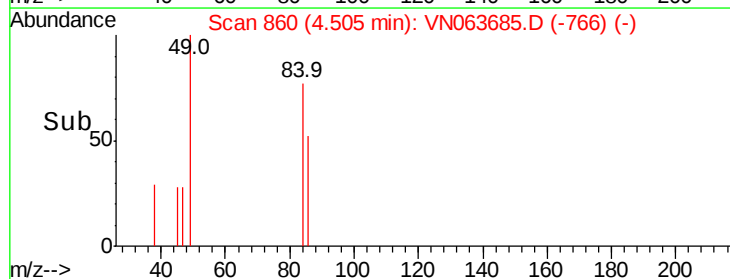
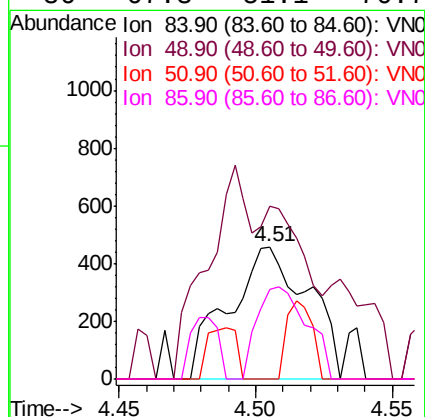
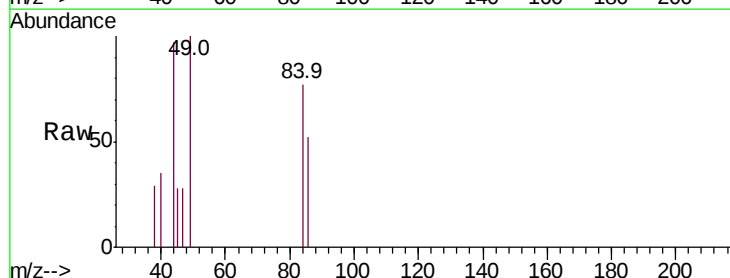
Ion Ratio Lower Upper

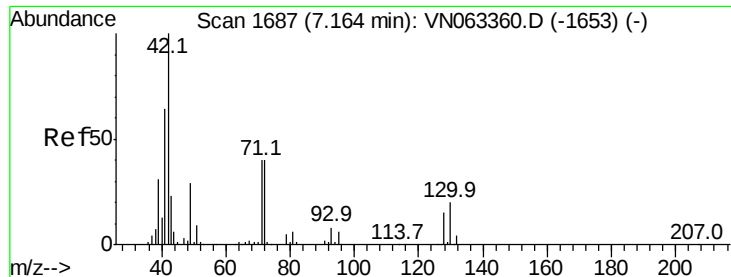
84 100

49 59.5 110.7 166.1#

51 0.0 32.9 49.3#

86 67.3 51.1 76.7





#29

Tetrahydrofuran

Concen: 0.339 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200921DL

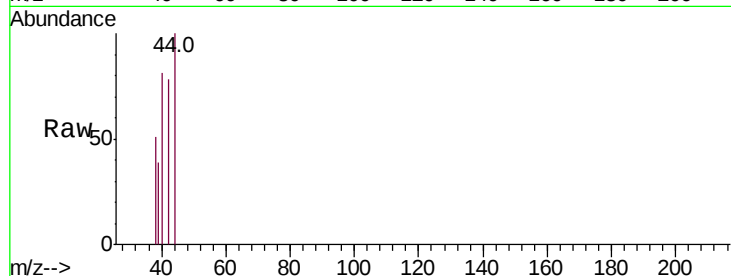
Tot Ion: 42 Resp: 368

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.17

400

300

200

100

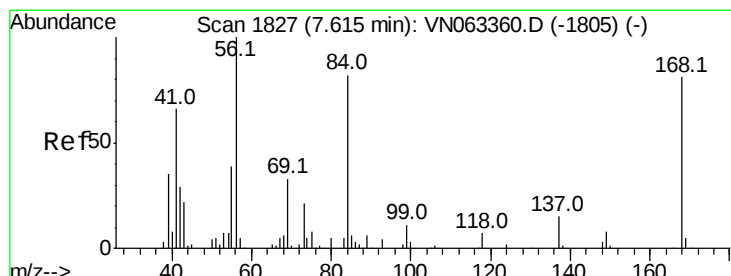
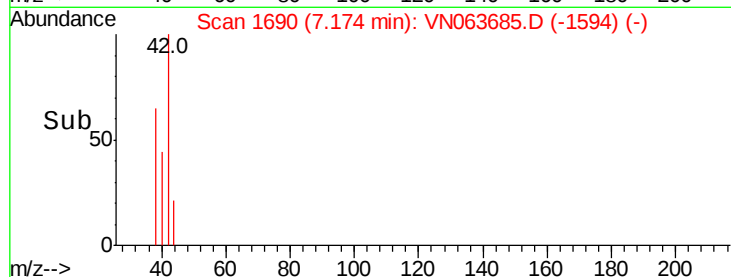
0

7.16

7.18

7.20

Time-->



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

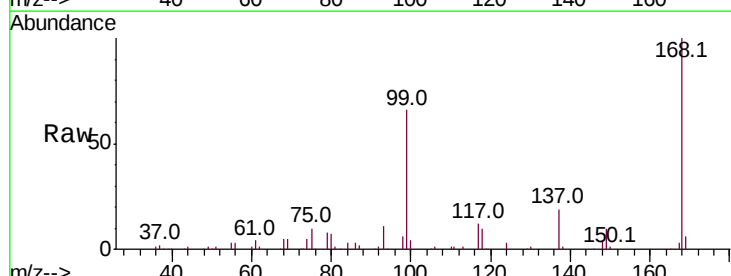
Tgt Ion: 56 Resp: 5949

Ion Ratio Lower Upper

56 100

69 142.2 26.1 39.1#

84 86.7 65.4 98.2



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

5000

4000

3000

2000

1000

0

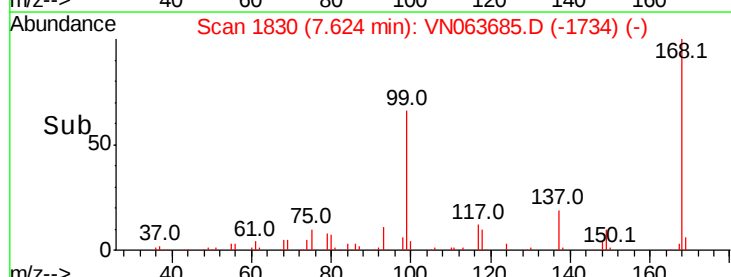
7.55

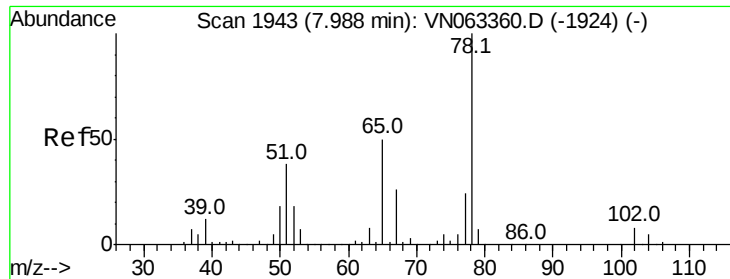
7.60

7.65

7.70

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.827 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

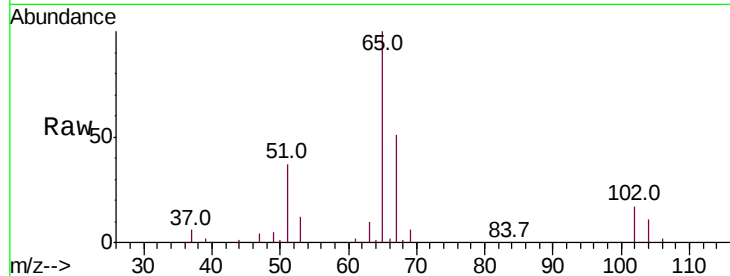
RE103D3-20200921DL

Tot Ion: 65 Resp: 166582

Ion Ratio Lower Upper

65 100

67 49.3 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) (-)

7.99

80000

60000

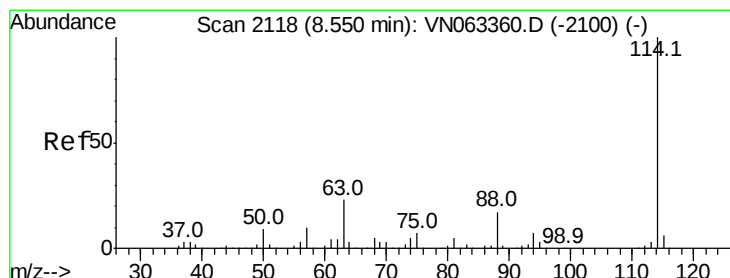
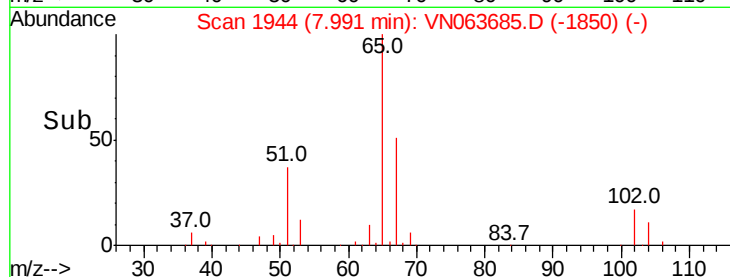
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

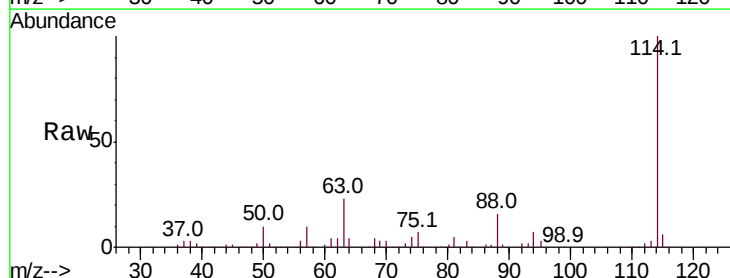
Tgt Ion: 114 Resp: 349240

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

88 16.4 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

200000

150000

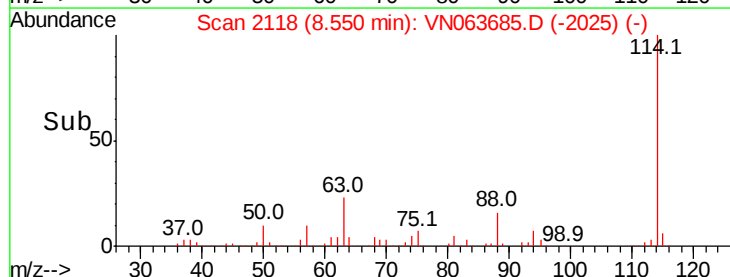
100000

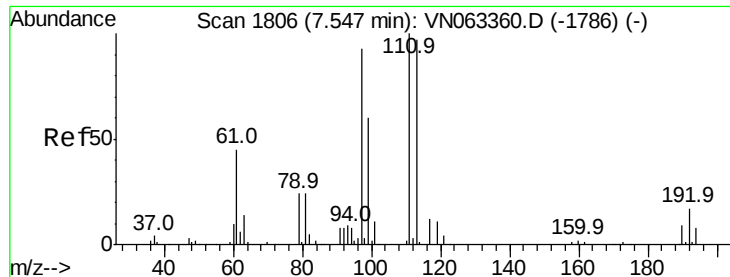
50000

0

8.50 8.60

Time-->

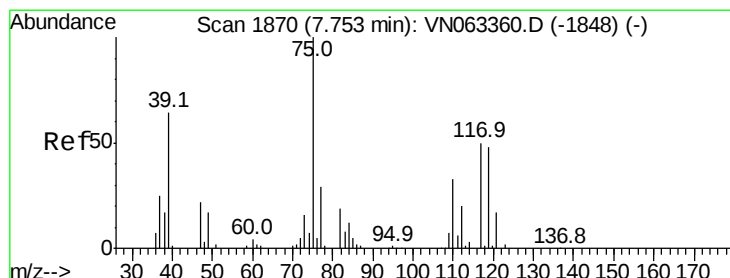
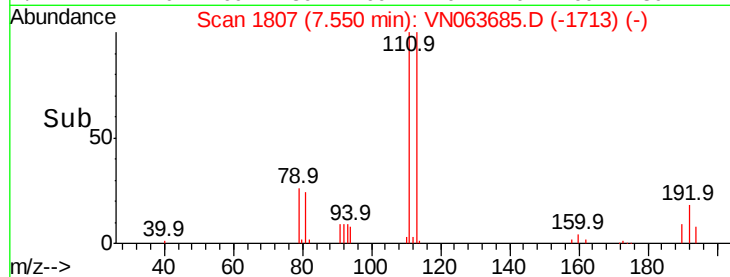
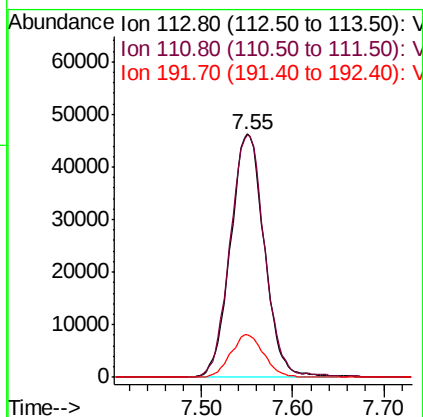
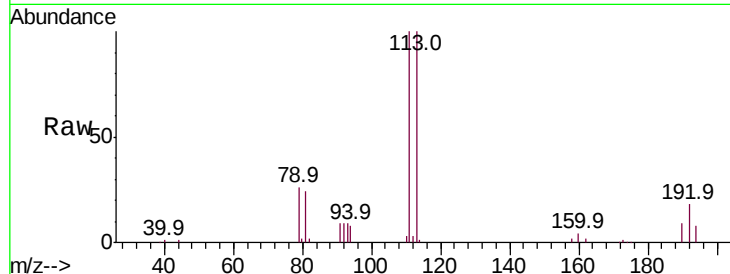




#35
 Dibromofluoromethane
 Concen: 49.340 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063685.D
 Acq: 25 Sep 2020 17:55

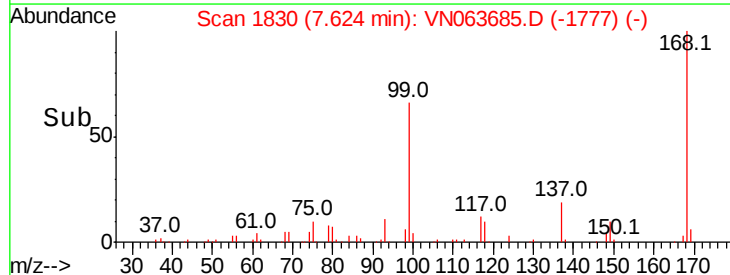
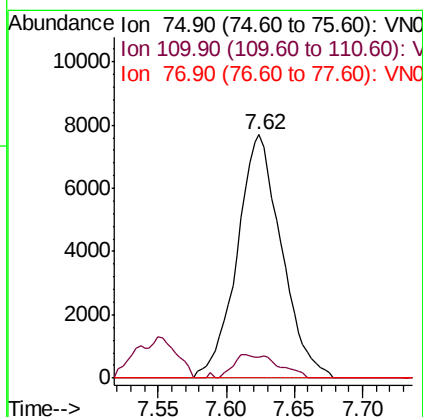
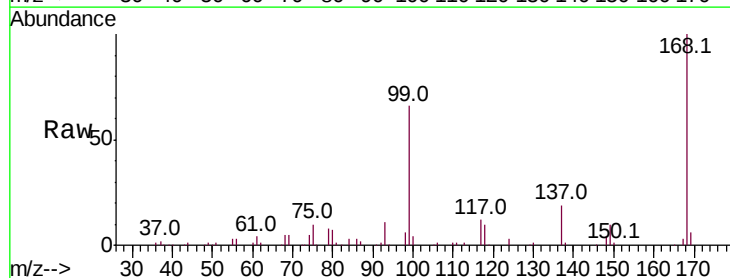
Instrument :
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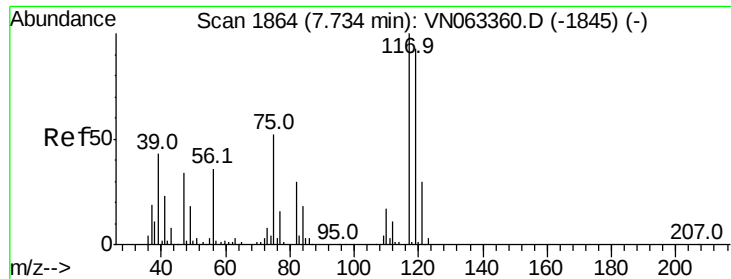
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.9	124.3
192	17.2	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.659 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063685.D
 Acq: 25 Sep 2020 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.6	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.738 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200921DL

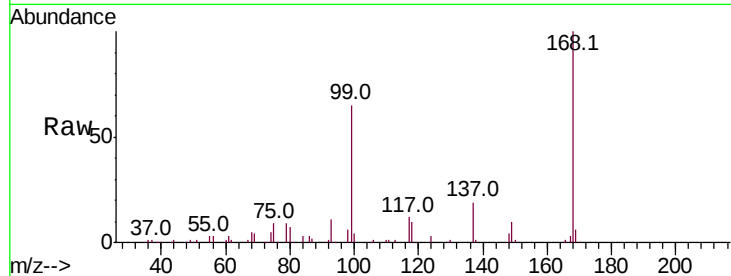
Tot Ion:117 Resp: 21793

Ion Ratio Lower Upper

117 100

119 3.0 74.5 111.7#

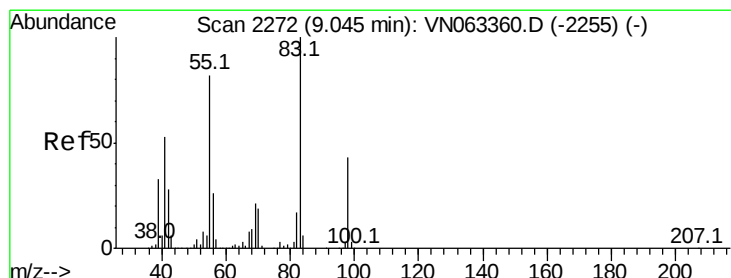
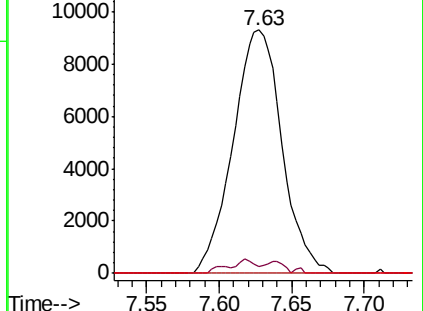
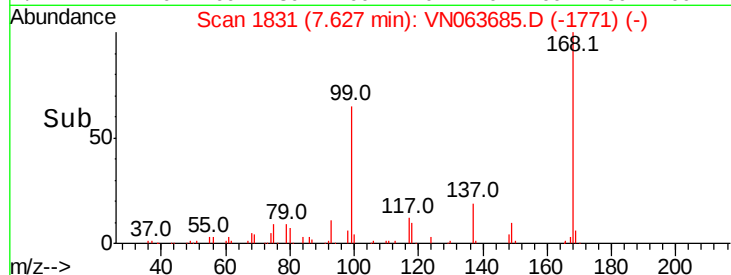
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.279 ug/l

RT: 8.79 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

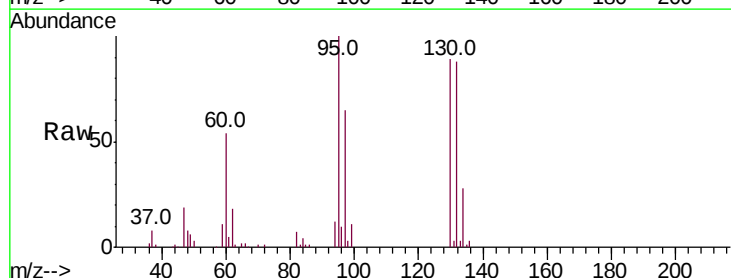
Tgt Ion: 83 Resp: 1128

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

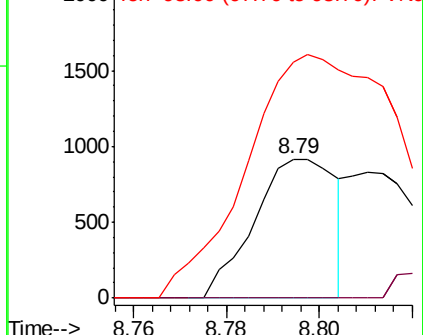
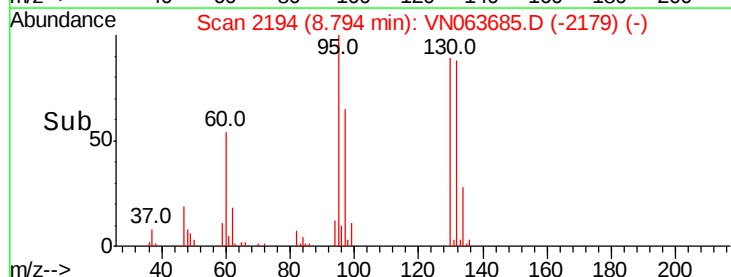
98 144.9 34.2 51.4#

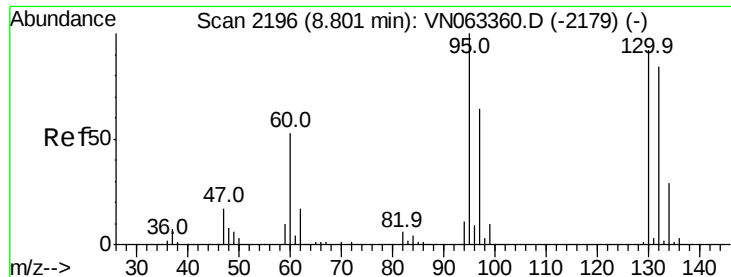


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#44

Trichloroethene

Concen: 52.806 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

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ClientSampleId :

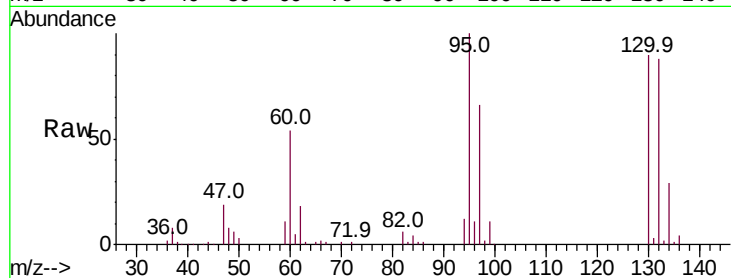
RE103D3-20200921DL

Tot Ion:130 Resp: 136034

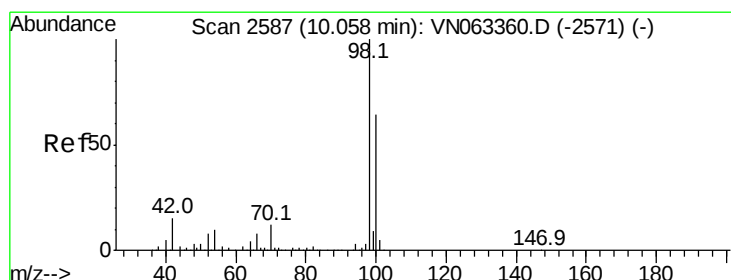
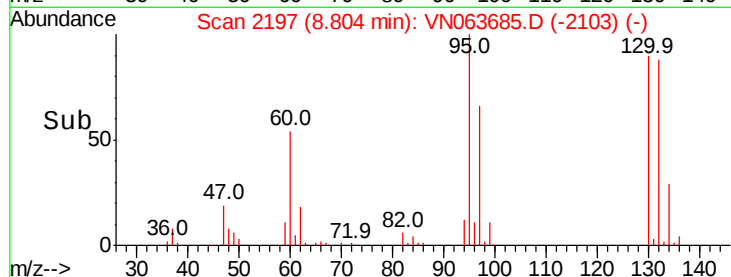
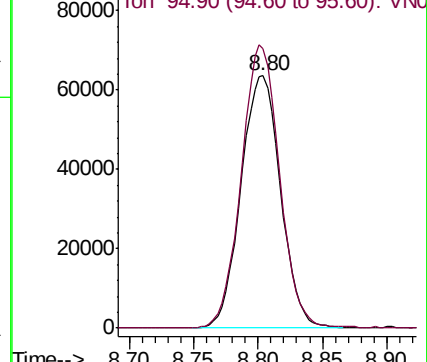
Ion Ratio Lower Upper

130 100

95 111.1 0.0 217.4



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



#50

Toluene-d8

Concen: 49.940 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063685.D

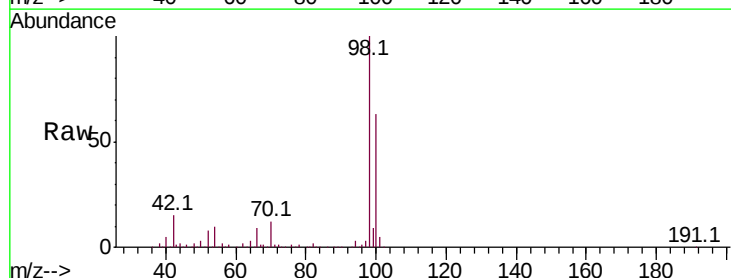
Acq: 25 Sep 2020 17:55

Tgt Ion: 98 Resp: 454010

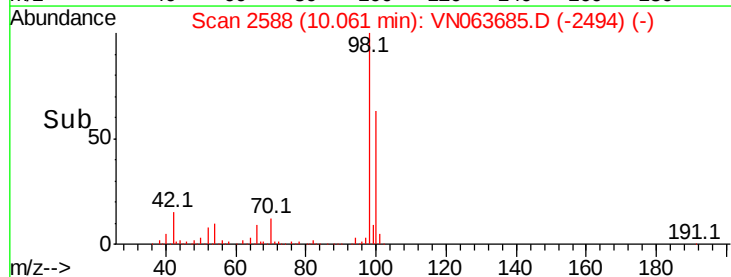
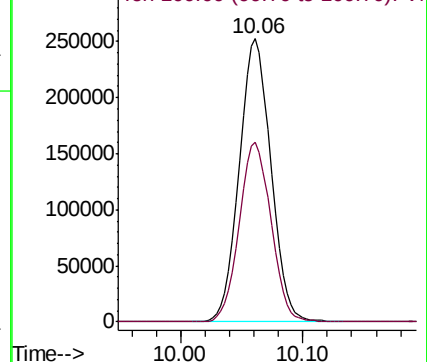
Ion Ratio Lower Upper

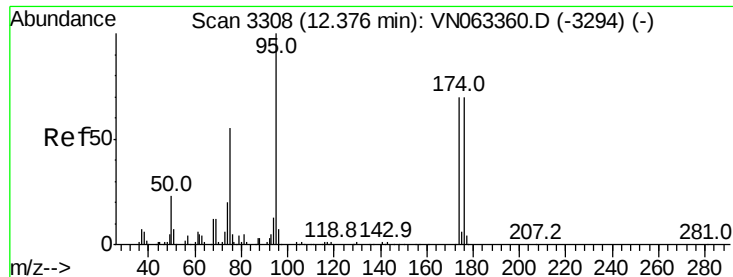
98 100

100 63.9 50.7 76.1



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





#62

4-Bromofluorobenzene

Concen: 53.903 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200921DL

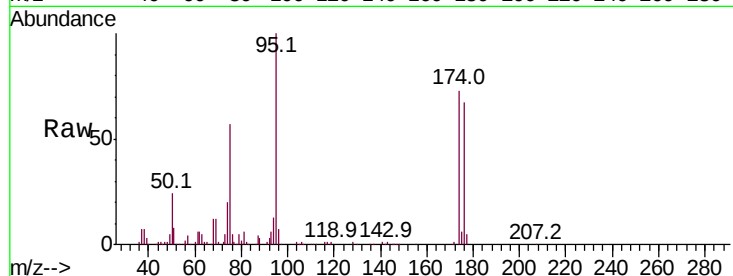
Tot Ion: 95 Resp: 179639

Ion Ratio Lower Upper

95 100

174 74.0 0.0 140.8

176 69.5 0.0 137.6



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

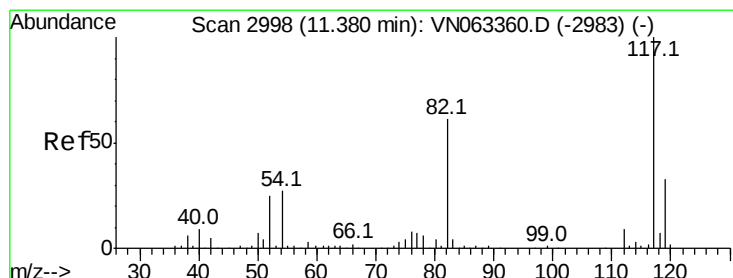
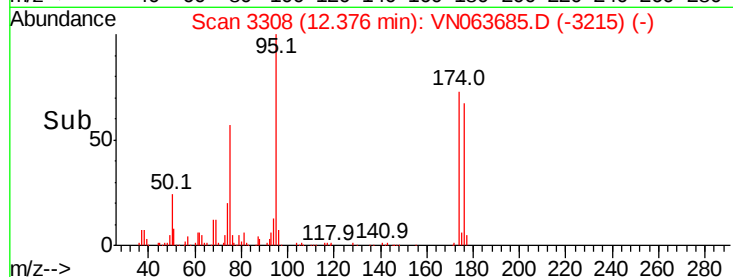
12.38

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: VN063685.D

Acq: 25 Sep 2020 17:55

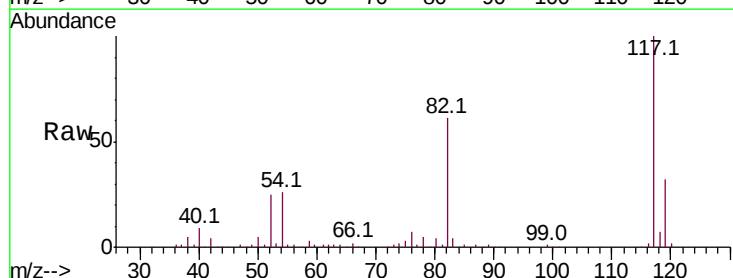
Tgt Ion: 117 Resp: 362105

Ion Ratio Lower Upper

117 100

82 61.1 49.2 73.8

119 32.5 26.2 39.4



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

11.38

250000

200000

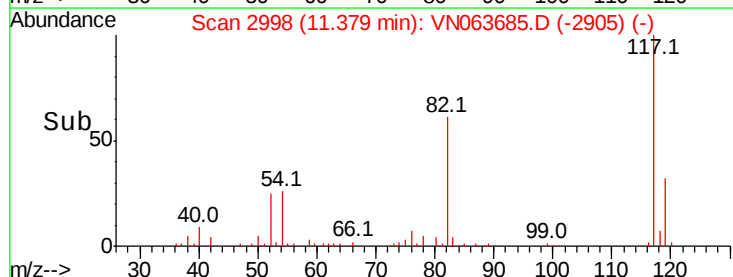
150000

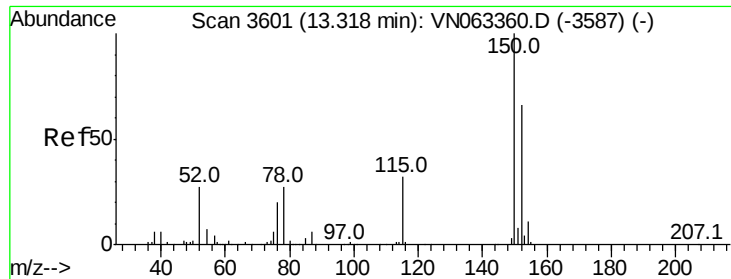
100000

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: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200921DL

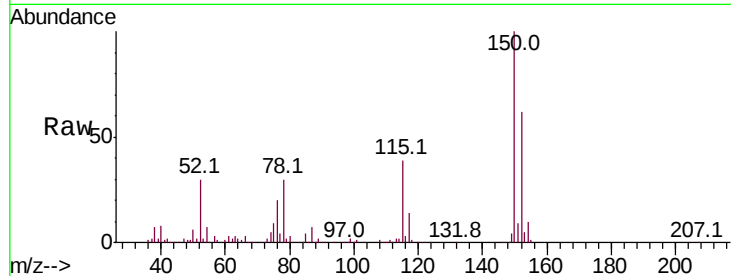
Tot Ion:152 Resp: 154687

Ion Ratio Lower Upper

152 100

115 63.3 32.2 96.6

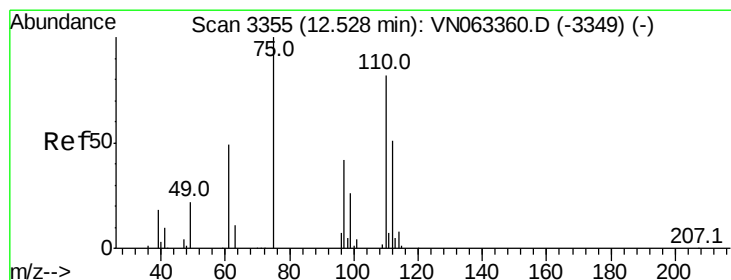
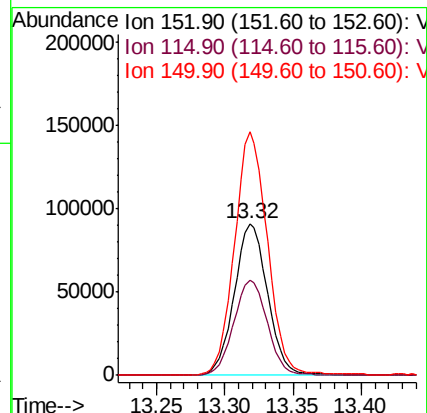
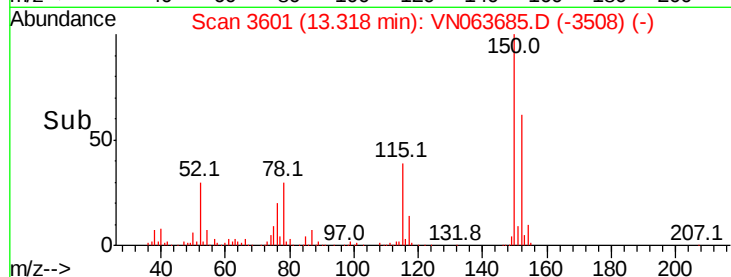
150 158.1 0.0 343.4



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: 27.133 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063685.D

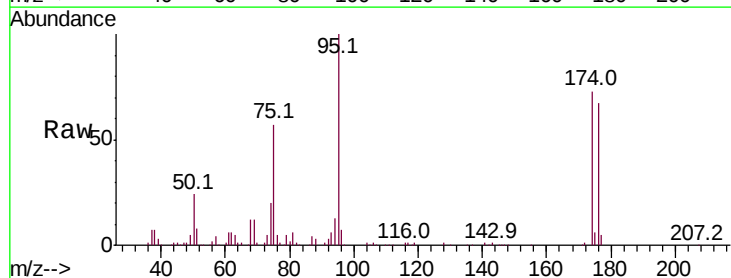
Acq: 25 Sep 2020 17:55

Tgt Ion: 75 Resp: 103883

Ion Ratio Lower Upper

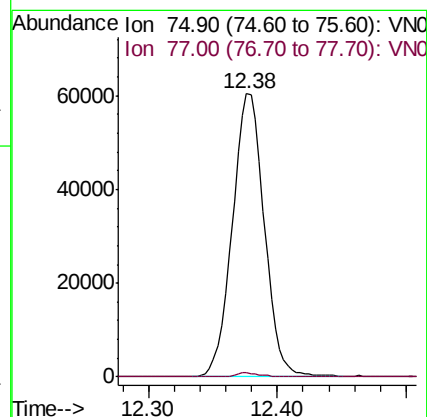
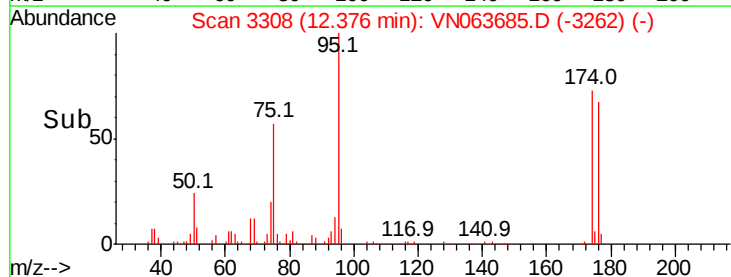
75 100

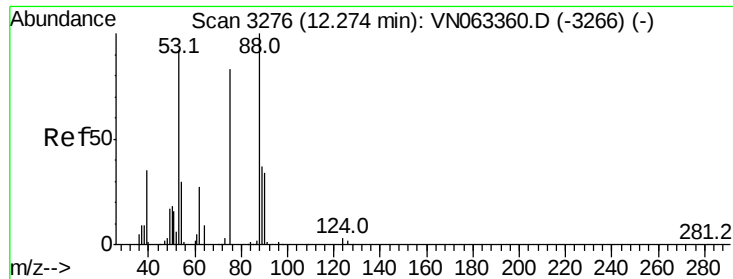
77 1.1 0.0 0.0#



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: 74.387 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063685.D

Acq: 25 Sep 2020 17:55

Instrument :

MSVOA_N

ClientSampleId :

RE103D3-20200921DL

Tot Ion: 75 Resp: 103883

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

