

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063684.D
 Acq On : 25 Sep 2020 17:31
 Operator : JC/MD
 Sample : L4119-02DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200921DL

Quant Time: Sep 28 02:03:32 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	188094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	351479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	365595	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159153	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	164640	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	7.55	113	117106	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	10.06	98	458403	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.38	95	186874	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	

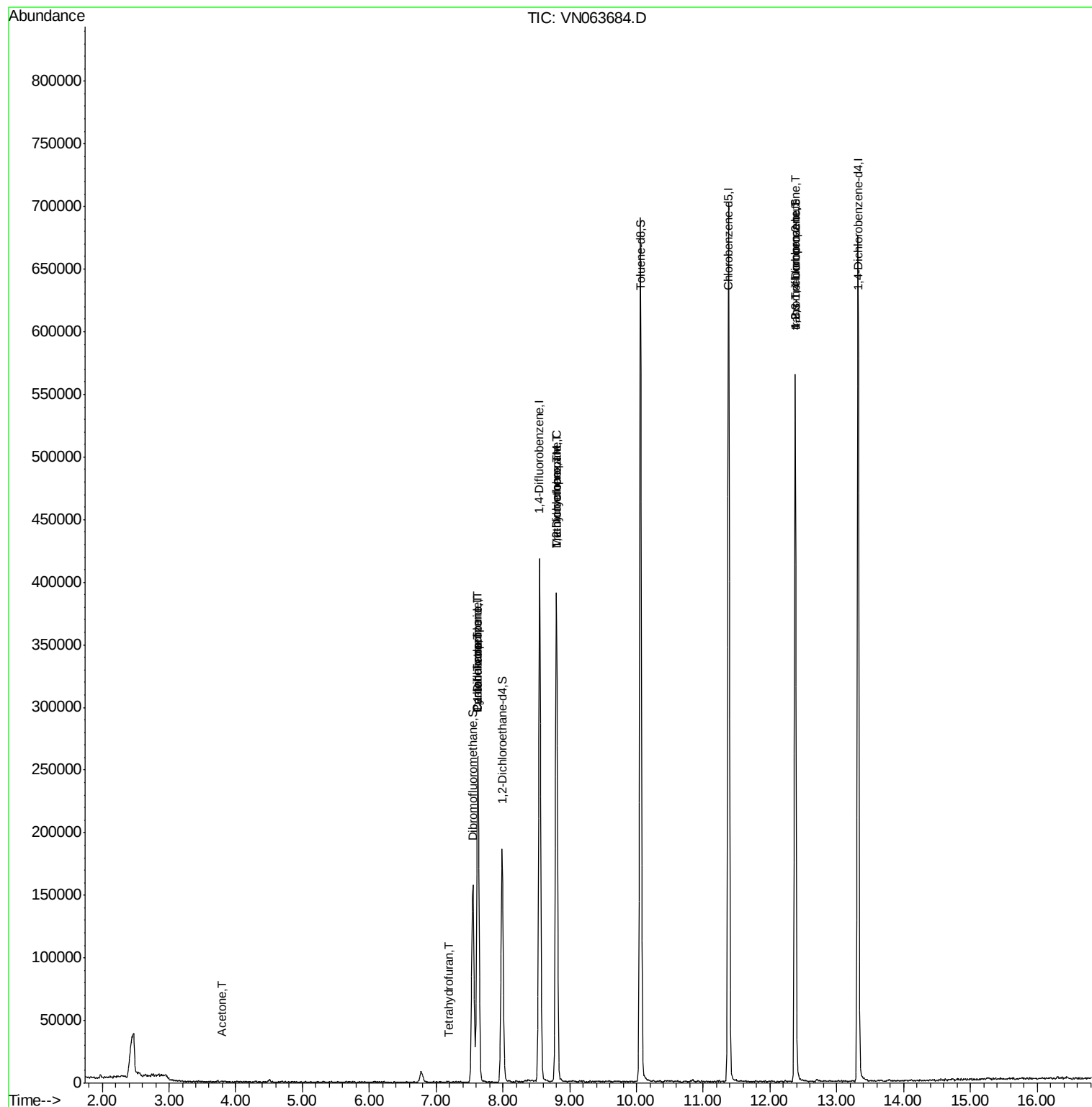
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	465	0.452	ug/l #	47
29) Tetrahydrofuran	7.17	42	400	0.370	ug/l #	36
31) Cyclohexane	7.62	56	5456	1.234	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	17223	4.600	ug/l #	51
38) Carbon Tetrachloride	7.62	117	21032	5.502	ug/l #	18
39) Methylcyclohexane	8.80	83	2109	0.519	ug/l #	1
44) Trichloroethene	8.80	130	132022	50.922	ug/l	100
45) 1,2-Dichloropropane	8.80	63	717	0.246	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	106959	27.152	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106959	74.441	ug/l #	7

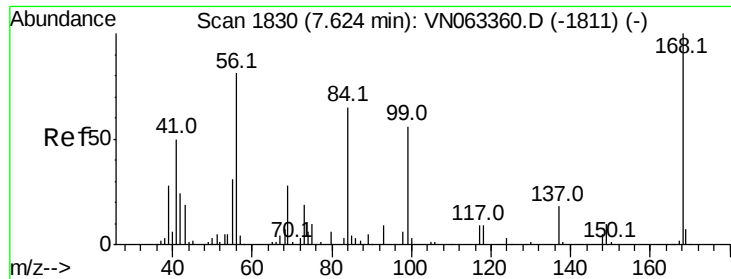
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063684.D

Acq: 25 Sep 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

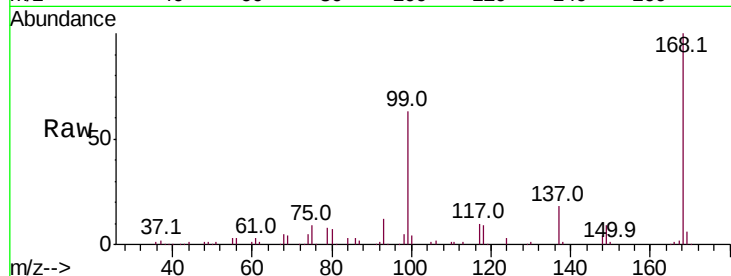
RE103D2-20200921DL

Tot Ion:168 Resp: 188094

Ion Ratio Lower Upper

168 100

99 63.1 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

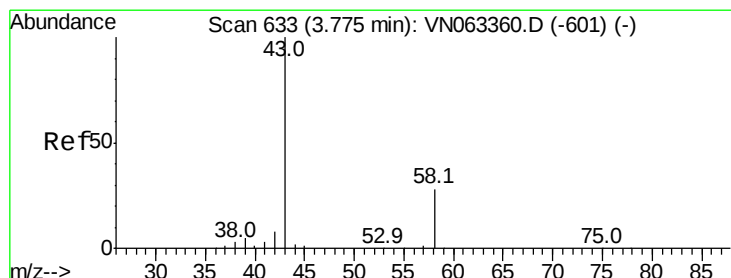
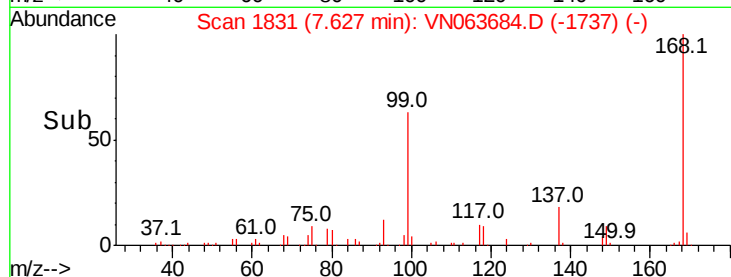
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.452 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063684.D

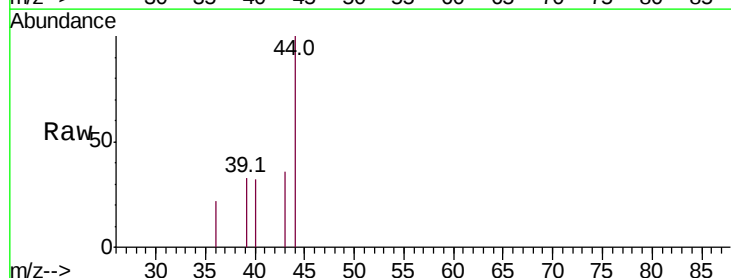
Acq: 25 Sep 2020 17:31

Tgt Ion: 43 Resp: 465

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

300

250

200

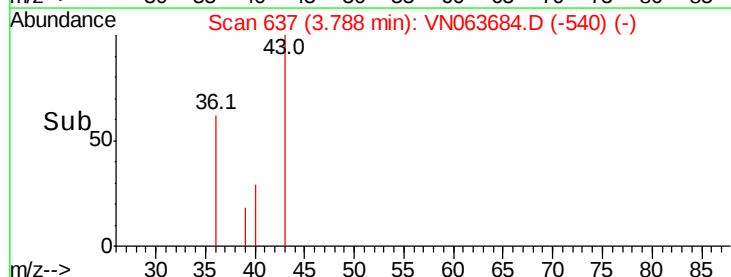
150

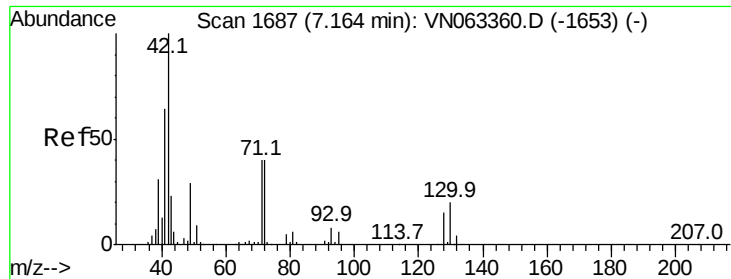
100

50

0

Time--> 3.76 3.78 3.80 3.82





#29

Tetrahydrofuran

Concen: 0.370 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200921DL

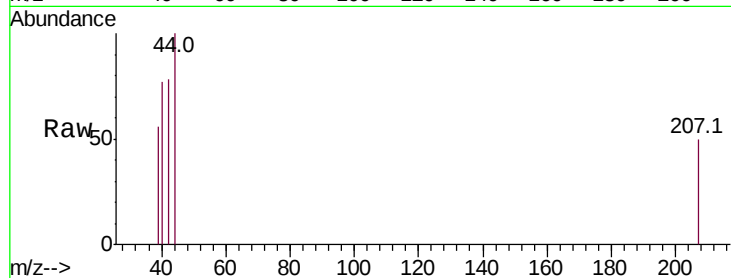
Tot Ion: 42 Resp: 400

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

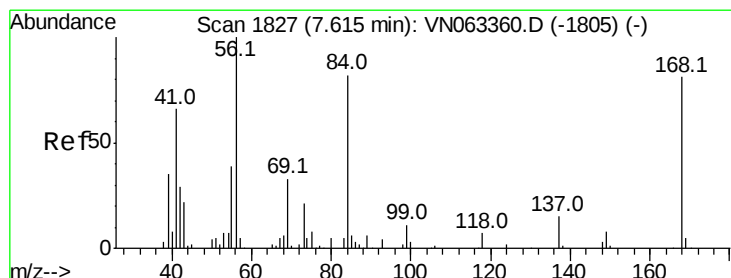
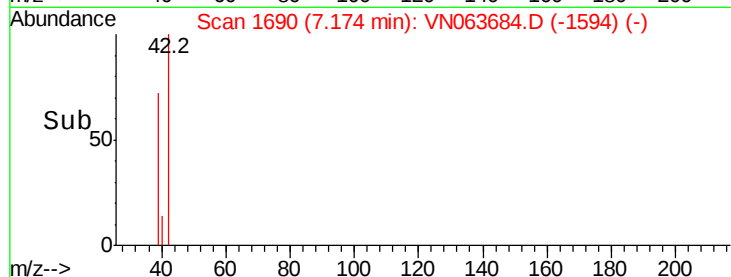
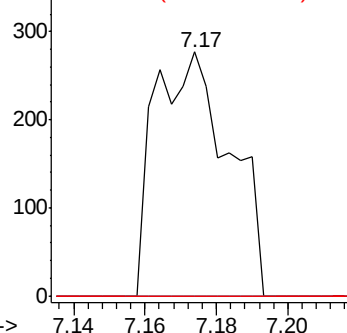
71 0.0 31.2 46.8#



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



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

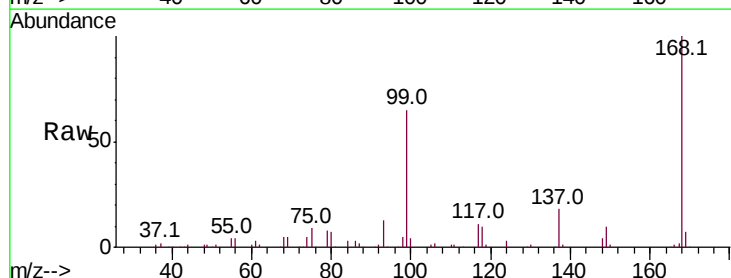
Tgt Ion: 56 Resp: 5456

Ion Ratio Lower Upper

56 100

69 131.3 26.1 39.1#

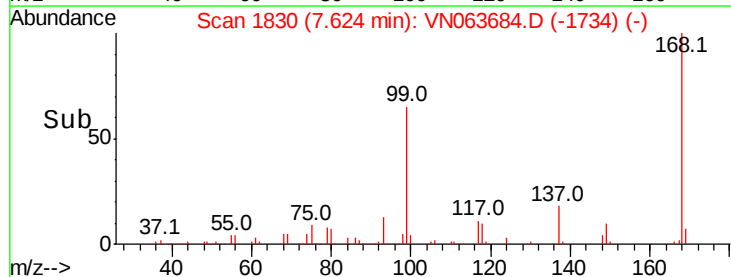
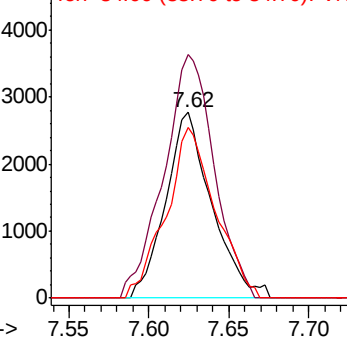
84 92.3 65.4 98.2

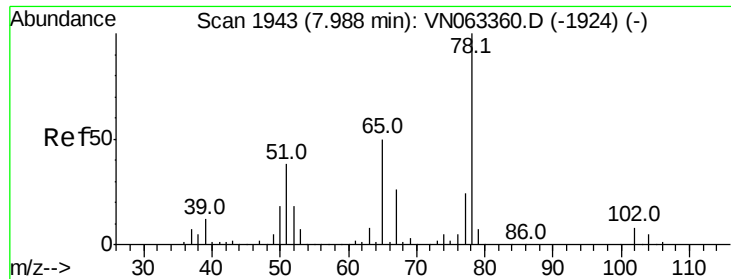


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

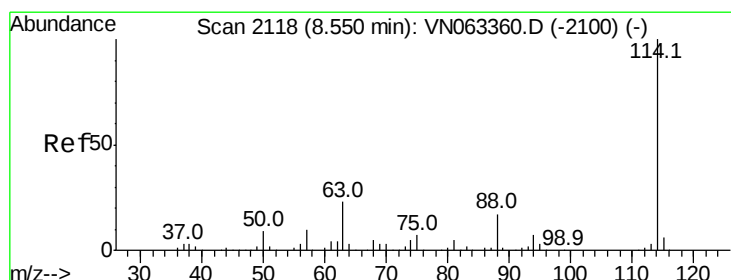
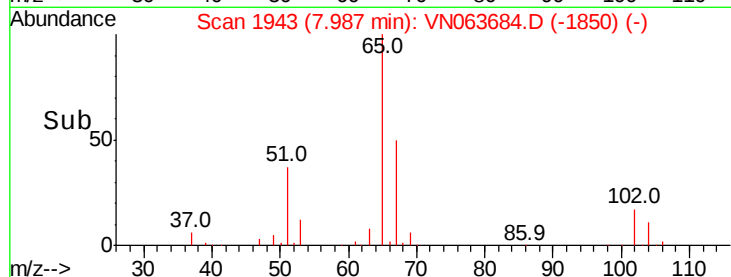
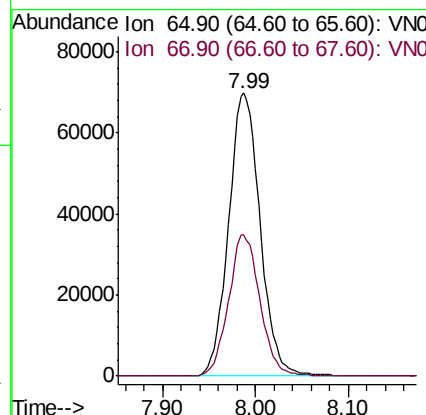
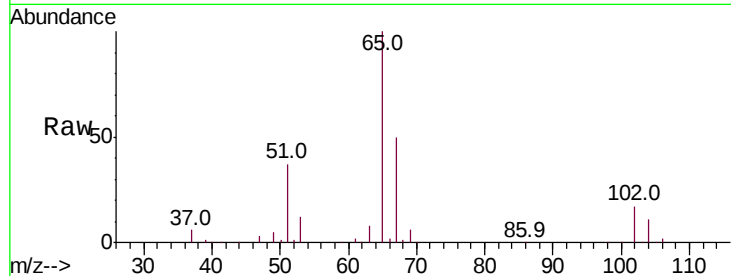




#33
 1,2-Dichloroethane-d4
 Concen: 51.420 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063684.D
 Acq: 25 Sep 2020 17:31

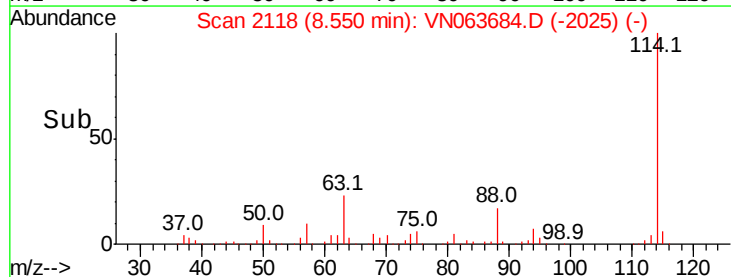
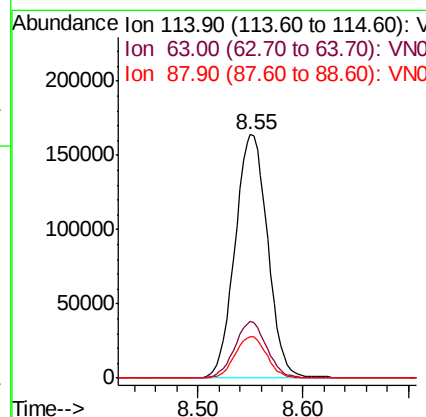
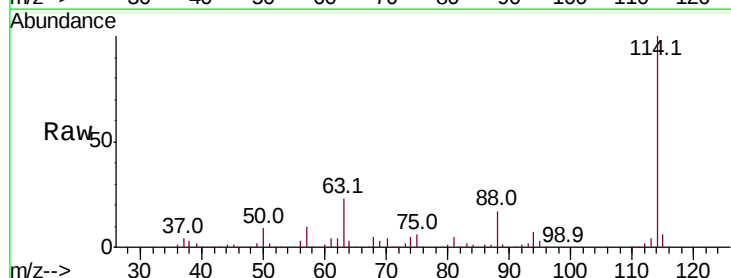
Instrument :
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 RE103D2-20200921DL

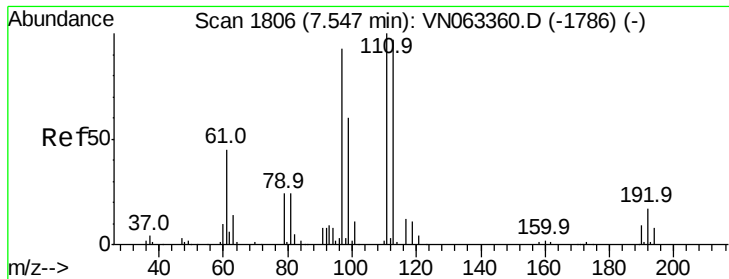
Tot Ion: 65 Resp: 164640
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063684.D
 Acq: 25 Sep 2020 17:31

Tgt Ion: 114 Resp: 351479
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 17.1 0.0 33.2

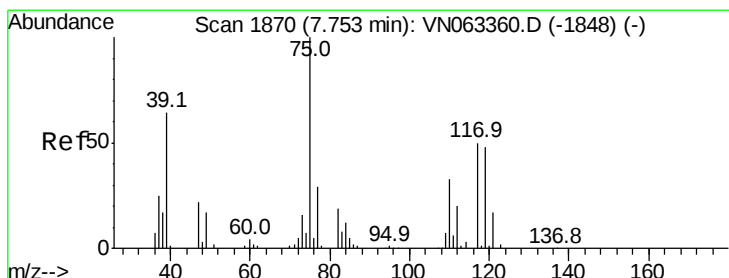
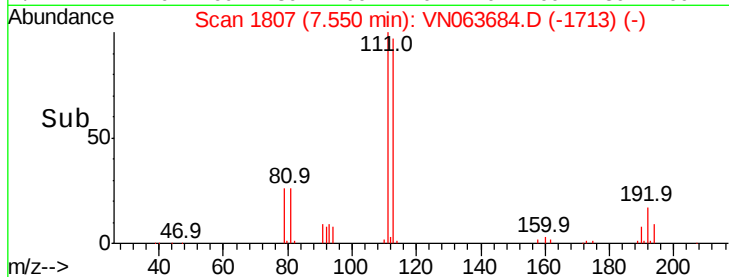
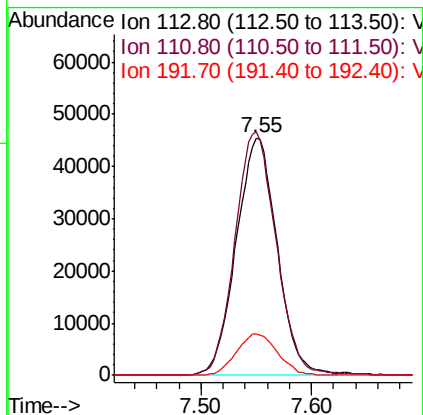
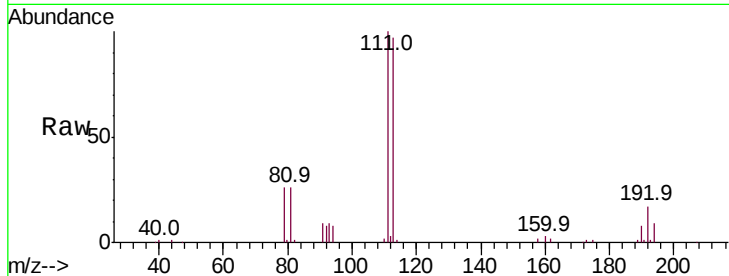




#35
 Dibromofluoromethane
 Concen: 48.128 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063684.D
 Acq: 25 Sep 2020 17:31

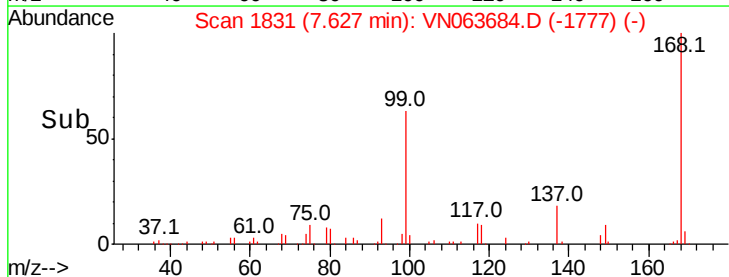
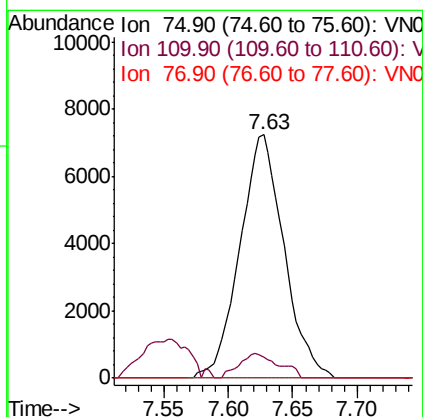
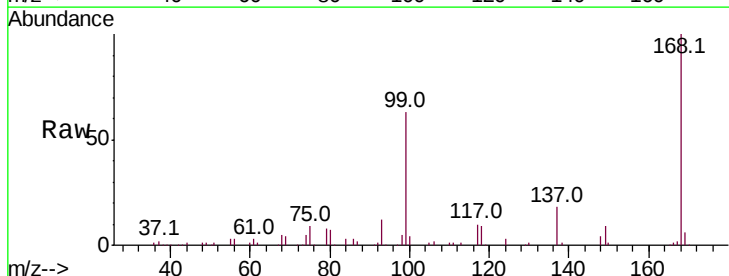
Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200921DL

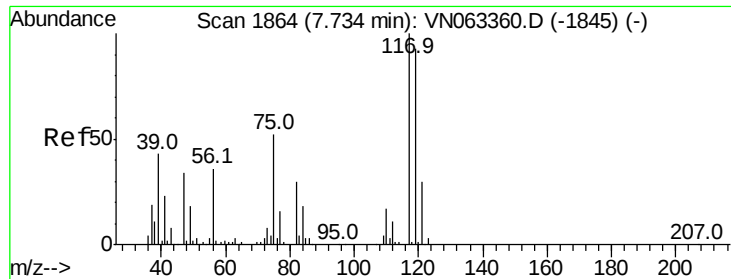
Tot Ion:113 Resp: 117106
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 17.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.600 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063684.D
 Acq: 25 Sep 2020 17:31

Tgt Ion: 75 Resp: 17223
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.502 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200921DL

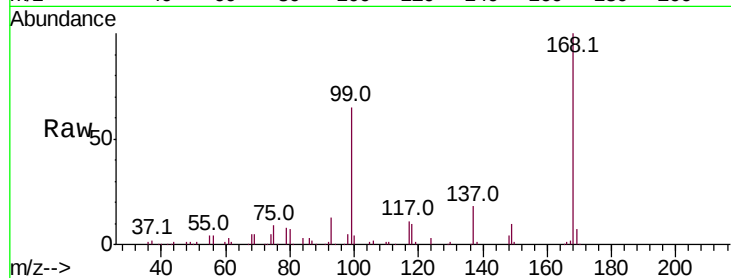
Tot Ion:117 Resp: 21032

Ion Ratio Lower Upper

117 100

119 6.0 74.5 111.7#

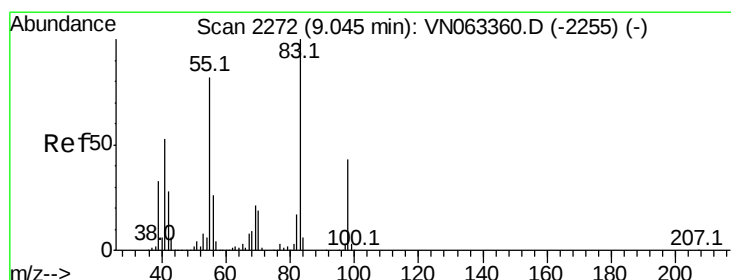
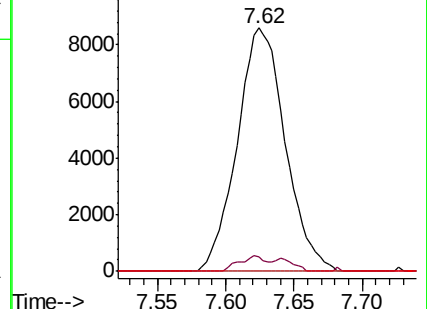
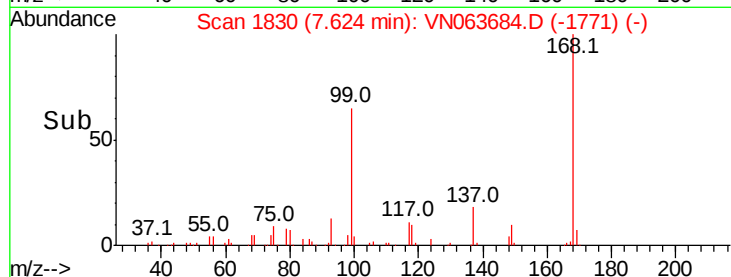
121 0.0 24.1 36.1#



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: 0.519 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. -0.24 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

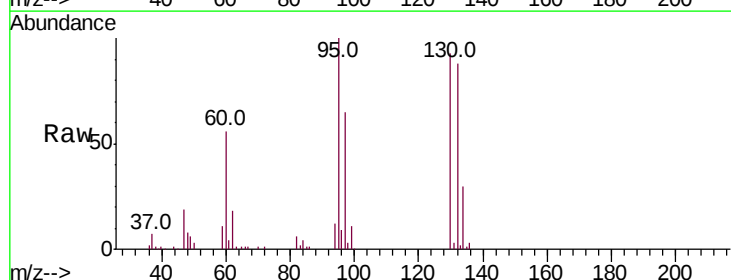
Tgt Ion: 83 Resp: 2109

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

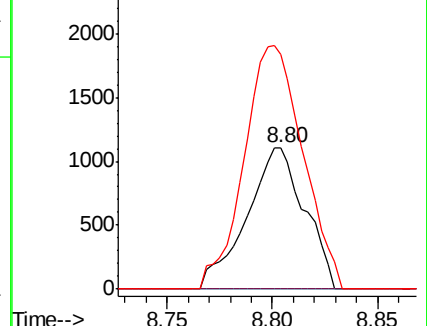
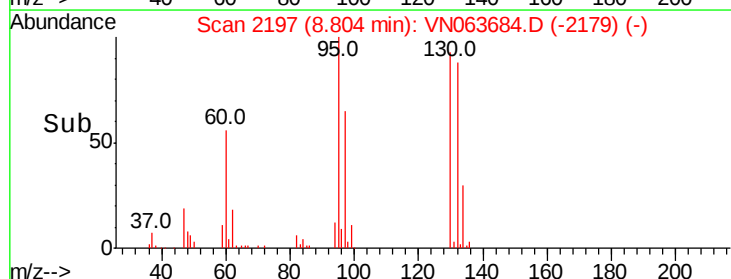
98 165.4 34.2 51.4#

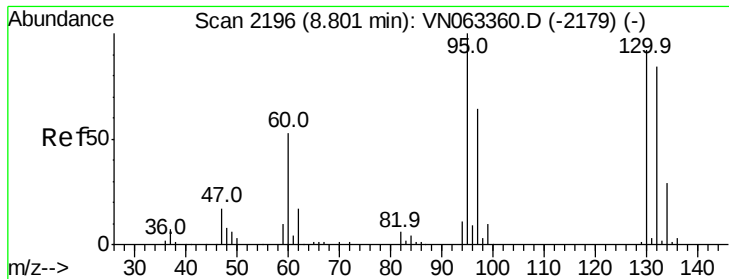


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#44

Trichloroethene

Concen: 50.922 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

Instrument :

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ClientSampleId :

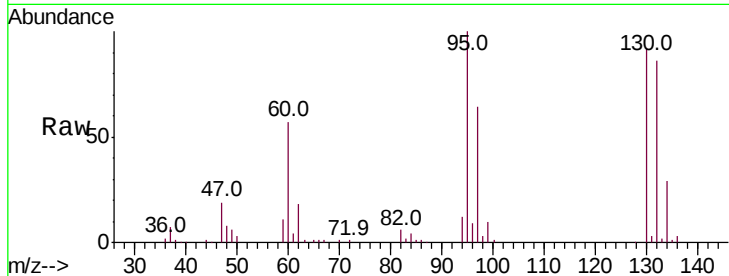
RE103D2-20200921DL

Tot Ion:130 Resp: 132022

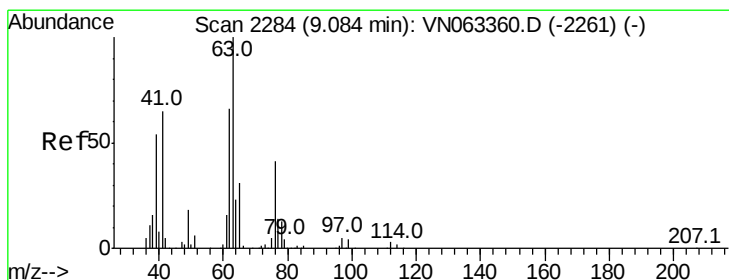
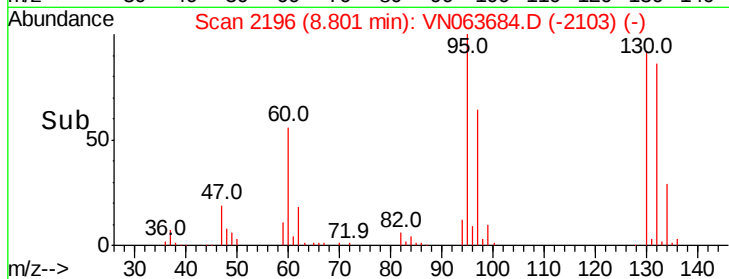
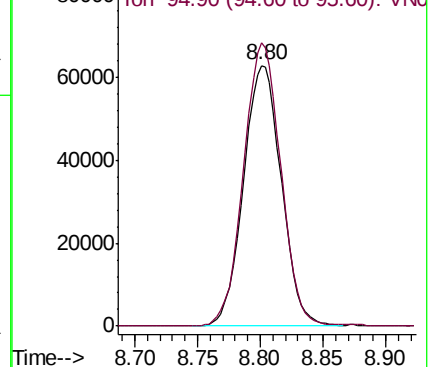
Ion Ratio Lower Upper

130 100

95 108.7 0.0 217.4



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



#45

1,2-Dichloropropane

Concen: 0.246 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.28 min

Lab File: VN063684.D

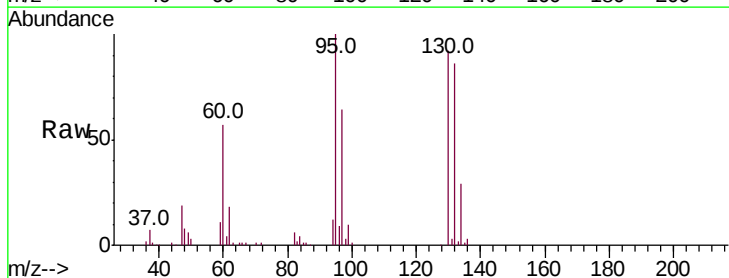
Acq: 25 Sep 2020 17:31

Tgt Ion: 63 Resp: 717

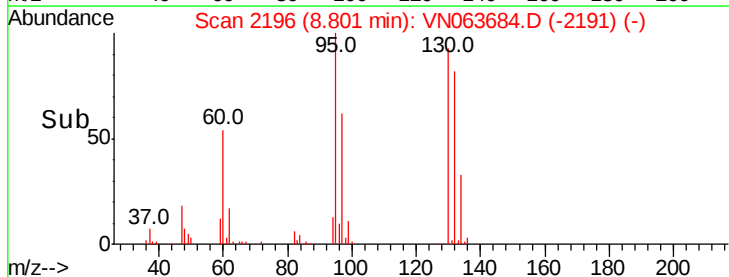
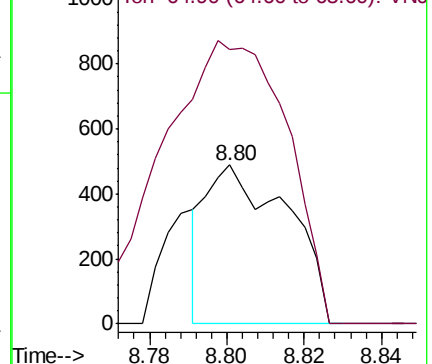
Ion Ratio Lower Upper

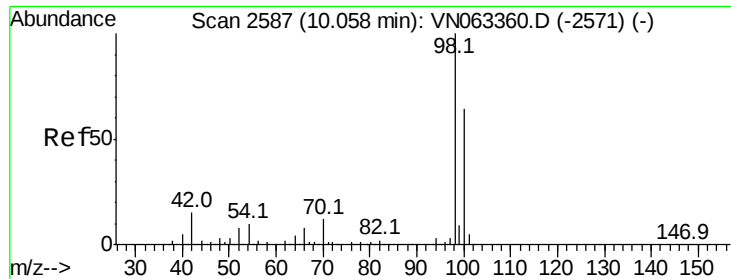
63 100

65 172.7 25.0 37.6#



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





#50

Toluene-d8

Concen: 50.102 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

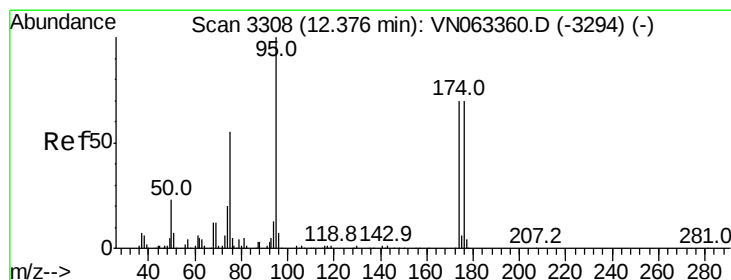
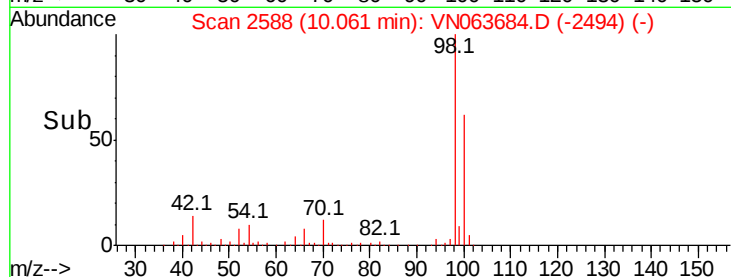
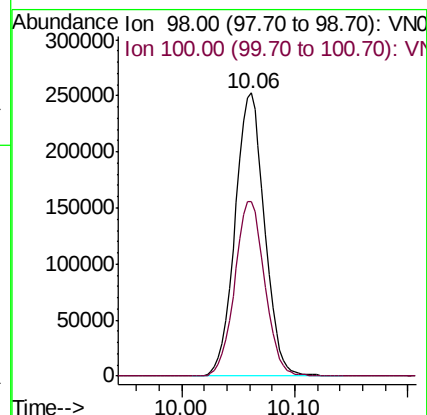
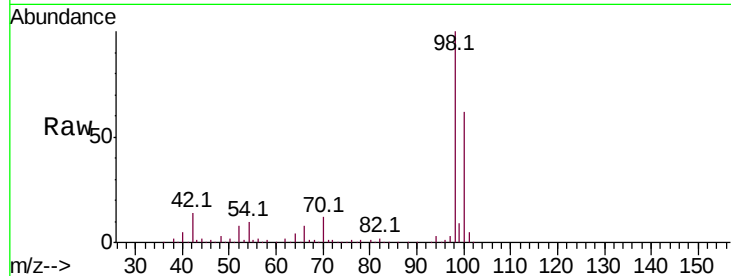
RE103D2-20200921DL

Tot Ion: 98 Resp: 458403

Ion Ratio Lower Upper

98 100

100 62.7 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 55.717 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

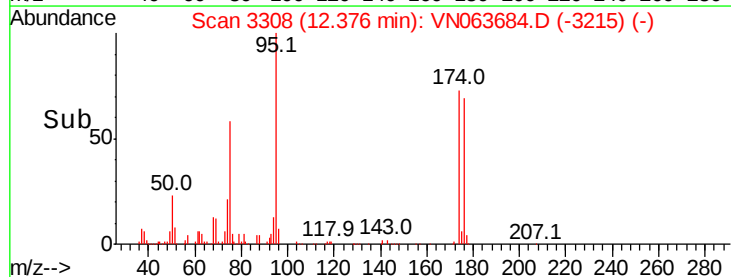
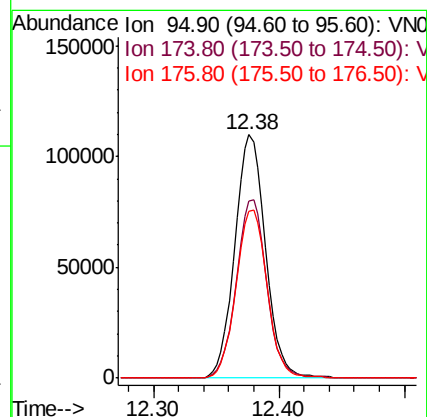
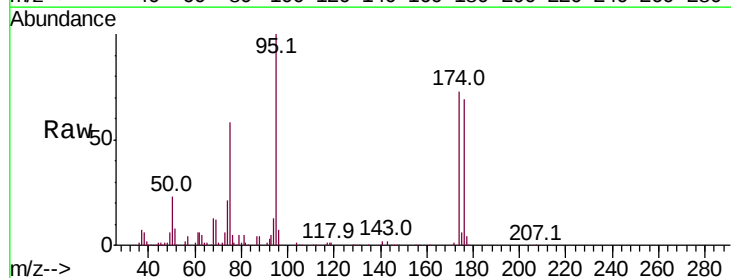
Tgt Ion: 95 Resp: 186874

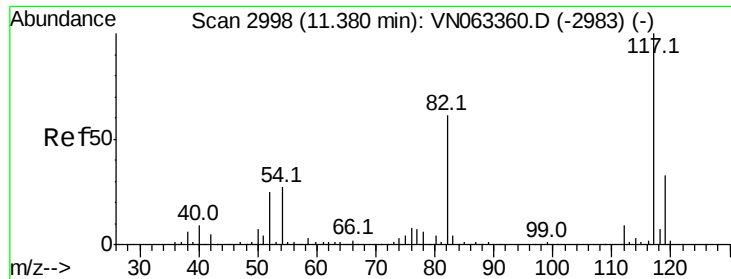
Ion Ratio Lower Upper

95 100

174 72.6 0.0 140.8

176 70.0 0.0 137.6

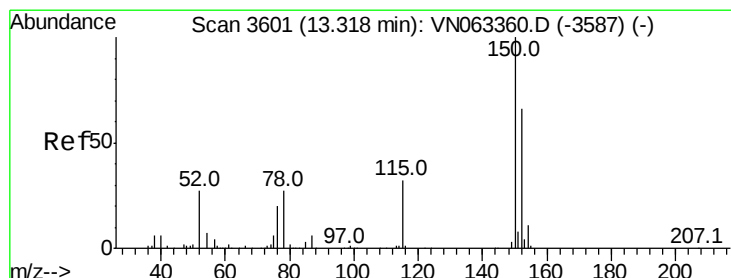
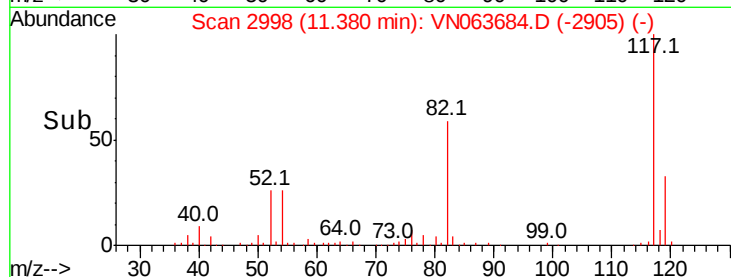
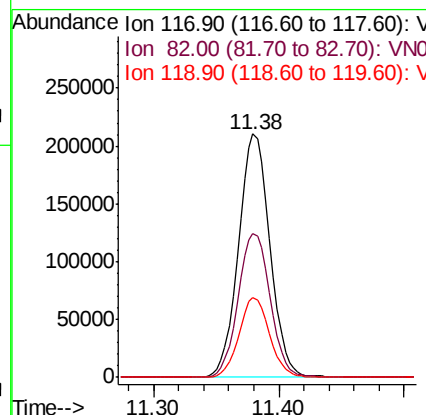
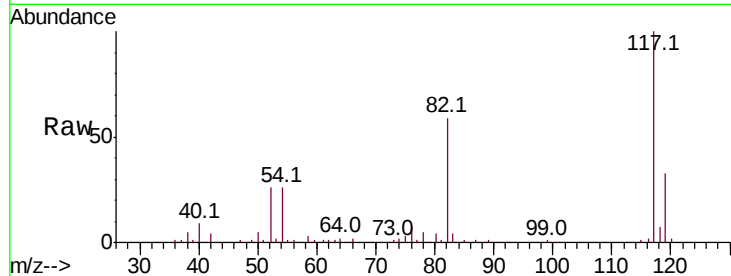




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063684.D
Acq: 25 Sep 2020 17:31

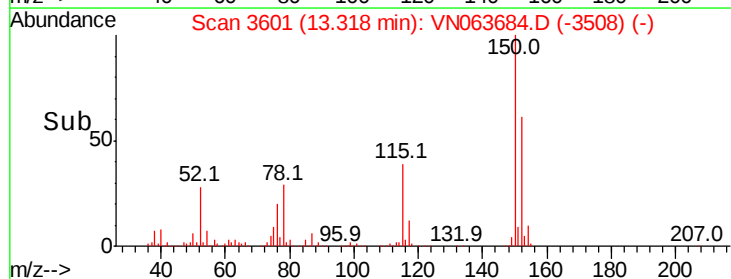
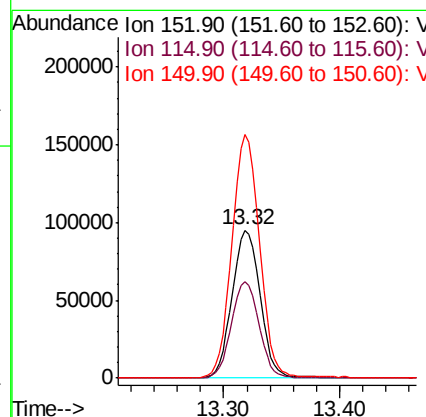
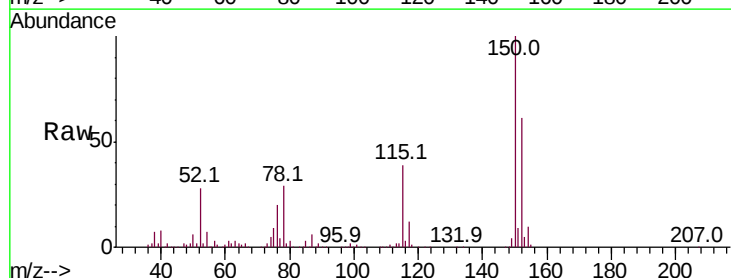
Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20200921DL

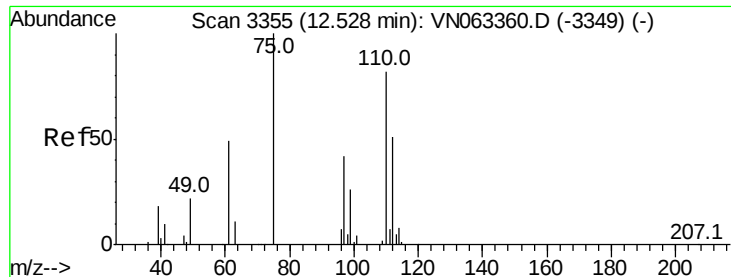
Tot Ion:117 Resp: 365595
Ion Ratio Lower Upper
117 100
82 59.0 49.2 73.8
119 32.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063684.D
Acq: 25 Sep 2020 17:31

Tgt Ion:152 Resp: 159153
Ion Ratio Lower Upper
152 100
115 64.6 32.2 96.6
150 162.3 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 27.152 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

Instrument :

MSVOA_N

ClientSampleId :

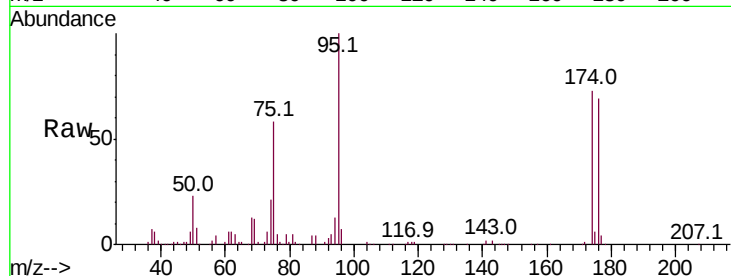
RE103D2-20200921DL

Tot Ion: 75 Resp: 106959

Ion Ratio Lower Upper

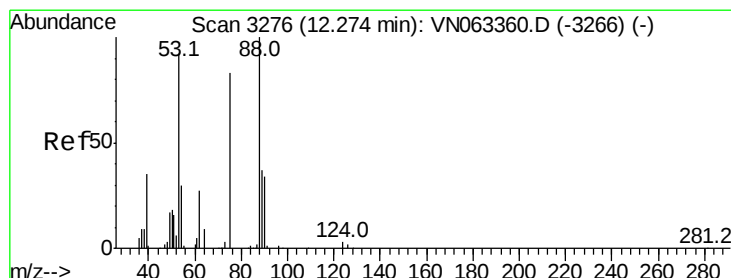
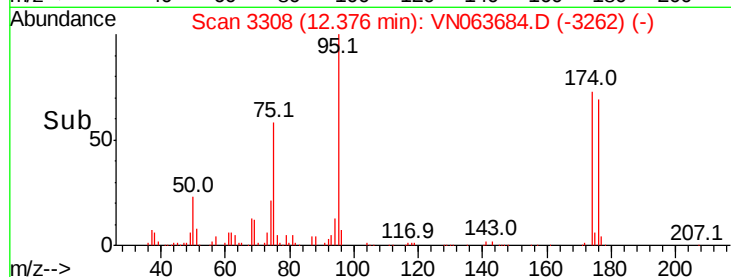
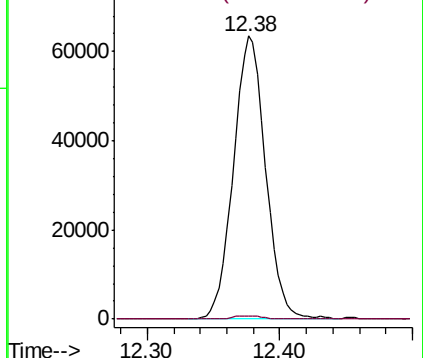
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.441 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063684.D

Acq: 25 Sep 2020 17:31

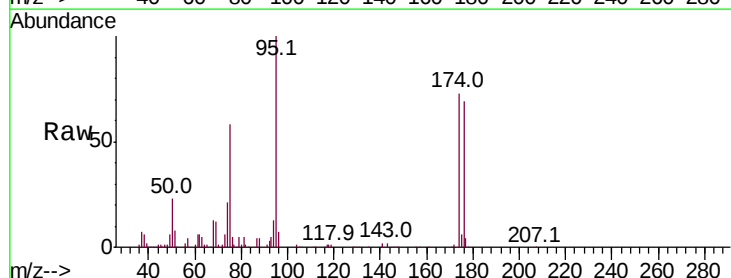
Tgt Ion: 75 Resp: 106959

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

