

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063600.D
 Acq On : 23 Sep 2020 19:42
 Operator : JC/MD
 Sample : L4083-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20200917

Quant Time: Sep 24 02:37:48 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	194937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	375946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	374069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154464	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	174770	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	7.55	113	125352	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	10.06	98	480626	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.38	95	185369	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	

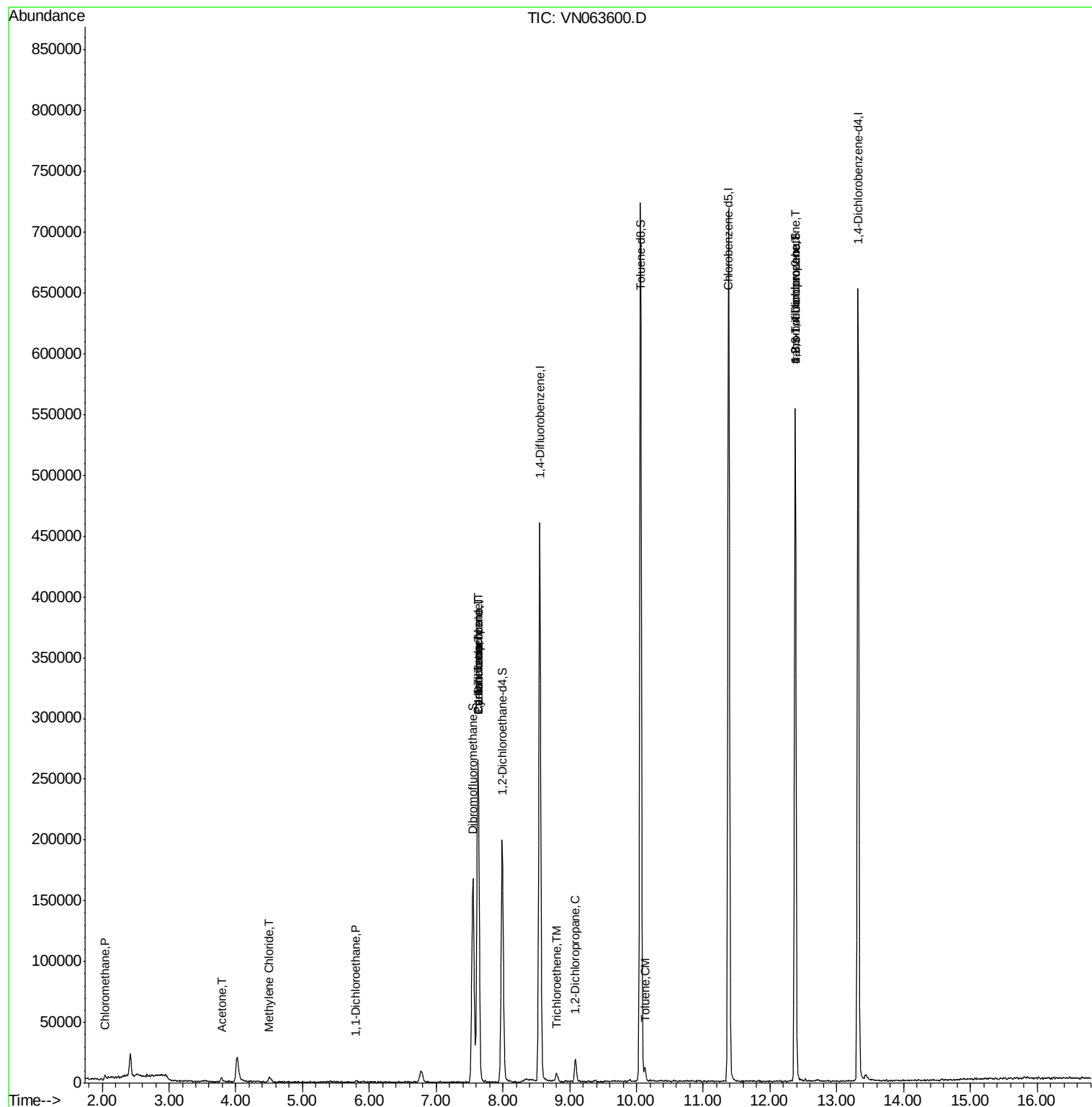
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2735	0.936	ug/l	89
16) Acetone	3.79	43	4682	4.390	ug/l	98
20) Methylene Chloride	4.50	84	959	0.355	ug/l #	77
24) 1,1-Dichloroethane	5.81	63	1904	0.393	ug/l #	84
31) Cyclohexane	7.63	56	6269	1.368	ug/l #	37
36) 1,1-Dichloropropene	7.63	75	18624	4.650	ug/l #	51
38) Carbon Tetrachloride	7.62	117	23097	5.649	ug/l #	17
44) Trichloroethene	8.80	130	2443	0.881	ug/l	99
45) 1,2-Dichloropropane	9.09	63	6432	2.066	ug/l	99
52) Toluene	10.13	92	3478	0.506	ug/l	83
76) 1,2,3-Trichloropropane	12.38	75	103778	27.144	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103778	74.419	ug/l #	7

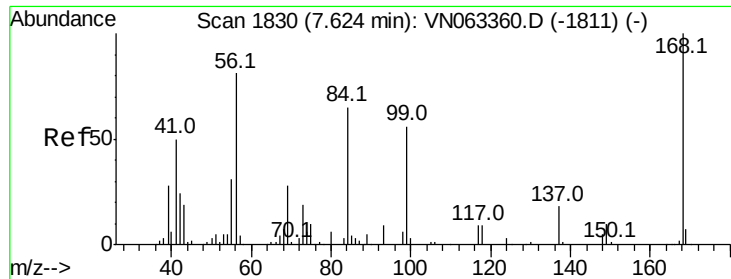
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063600.D

Acq: 23 Sep 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

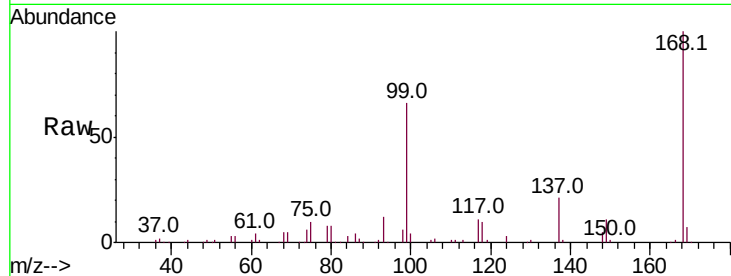
RE135D2-20200917

Tot Ion:168 Resp: 194937

Ion Ratio Lower Upper

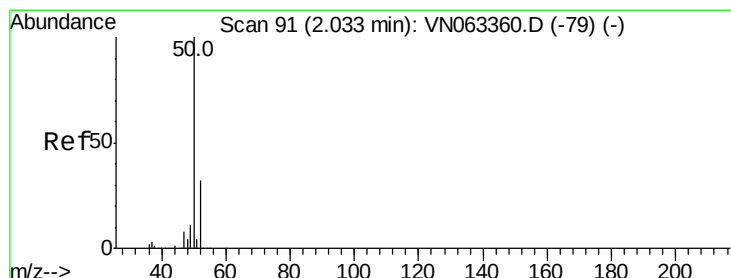
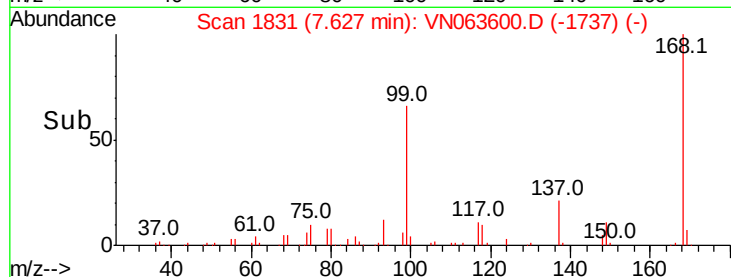
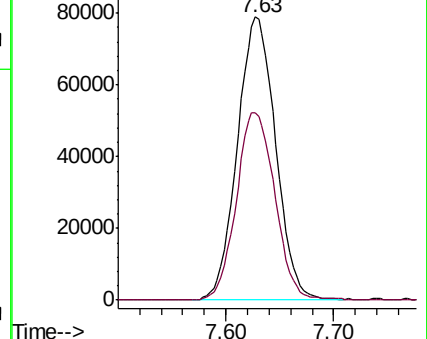
168 100

99 66.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.936 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.01 min

Lab File: VN063600.D

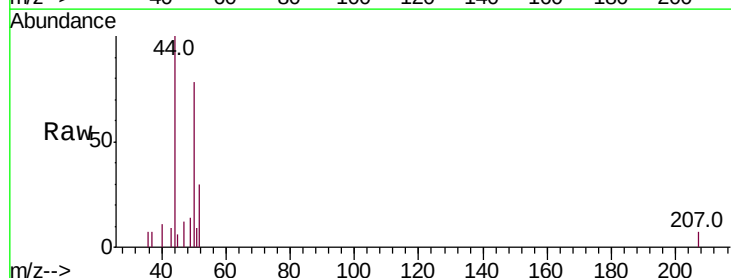
Acq: 23 Sep 2020 19:42

Tgt Ion: 50 Resp: 2735

Ion Ratio Lower Upper

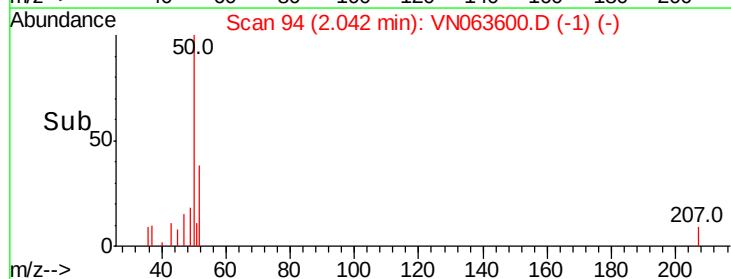
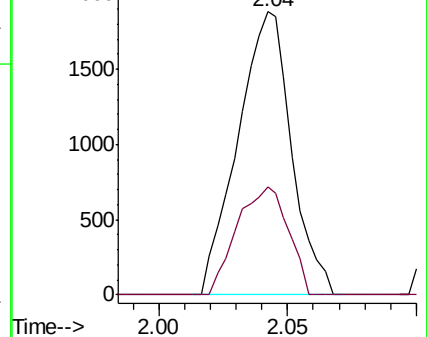
50 100

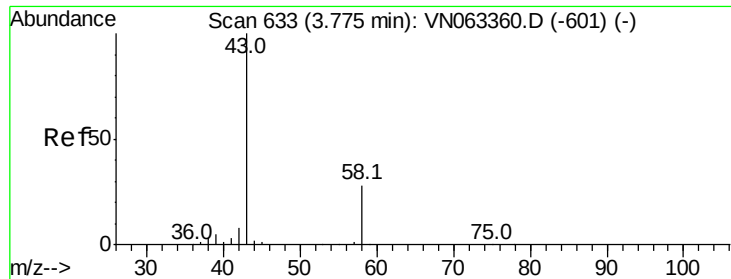
52 38.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 4.390 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

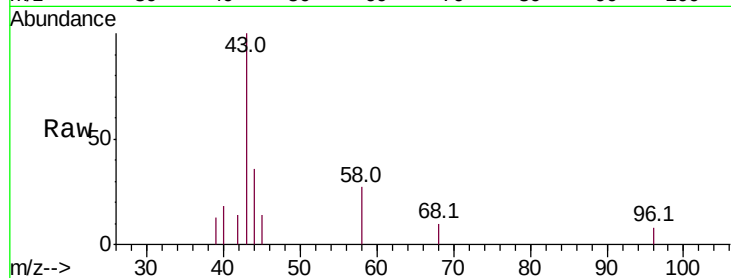
RE135D2-20200917

Tot Ion: 43 Resp: 4682

Ion Ratio Lower Upper

43 100

58 26.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063600.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063600.D (-601) (-)

3.79

2000

1500

1000

500

0

Time-->

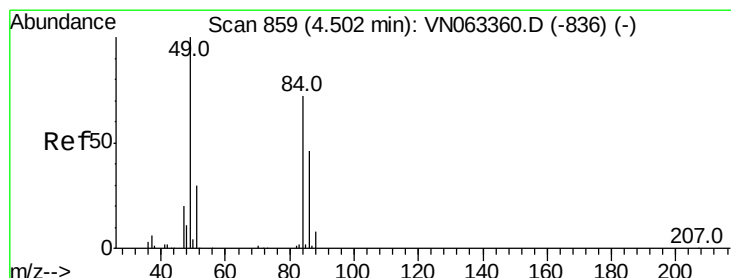
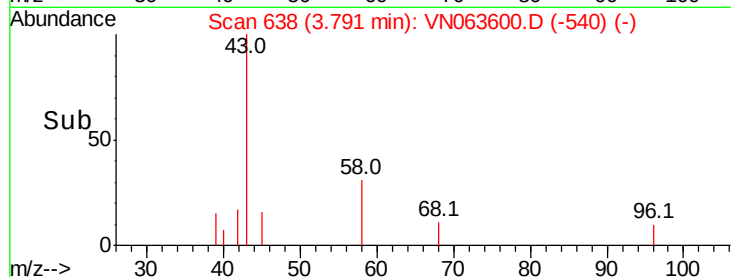
3.70

3.75

3.80

3.85

3.90



#20

Methylene Chloride

Concen: 0.355 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Tgt Ion: 84 Resp: 959

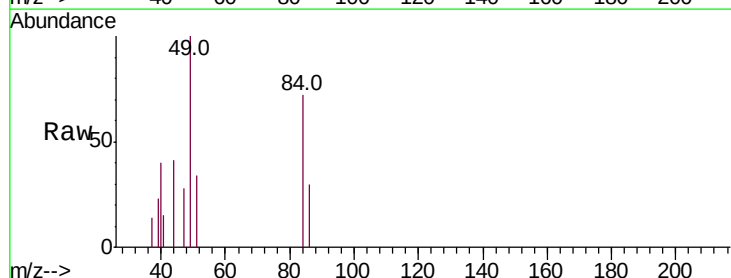
Ion Ratio Lower Upper

84 100

49 117.4 110.7 166.1

51 20.9 32.9 49.3#

86 41.3 51.1 76.7#



Abundance Ion 83.90 (83.60 to 84.60): VN063600.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN063600.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN063600.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN063600.D (-836) (-)

2000

1500

1000

500

0

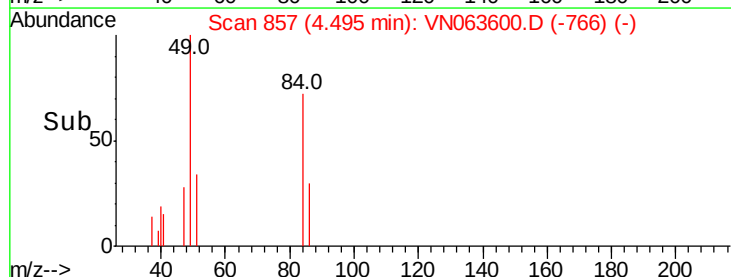
Time-->

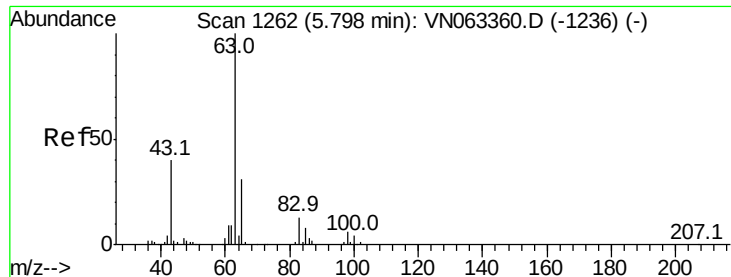
4.46

4.48

4.50

4.52

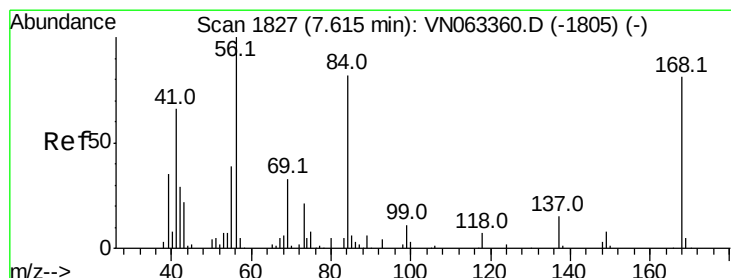
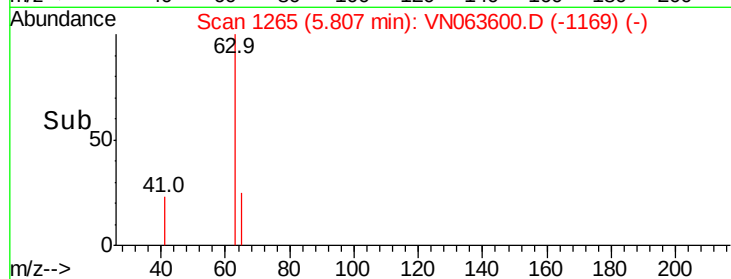
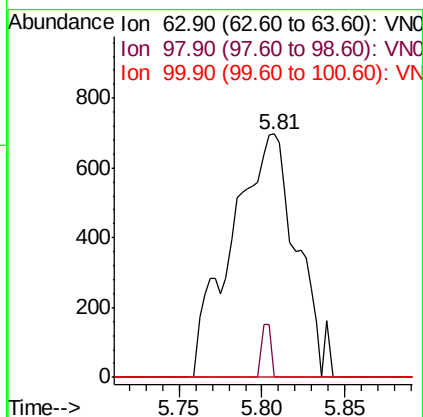
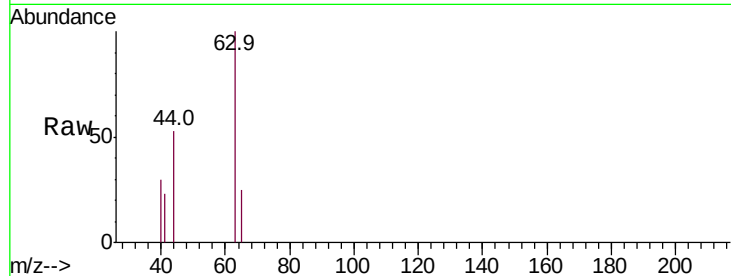




#24
 1,1-Dichloroethane
 Concen: 0.393 ug/l
 RT: 5.81 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VN063600.D
 Acq: 23 Sep 2020 19:42

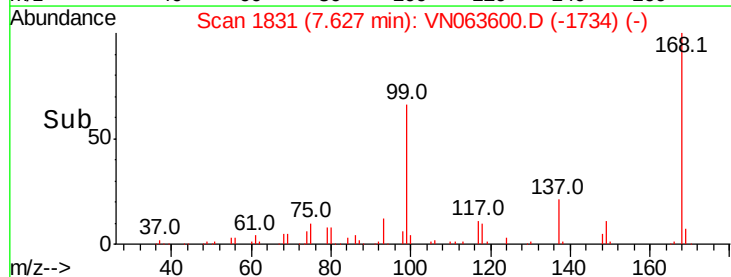
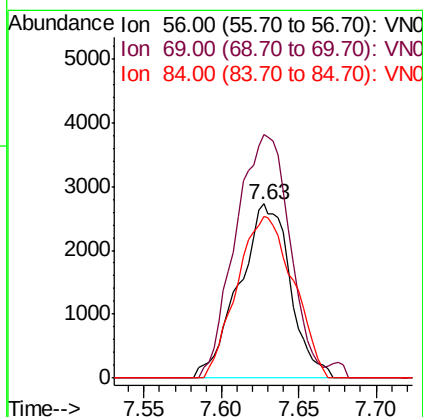
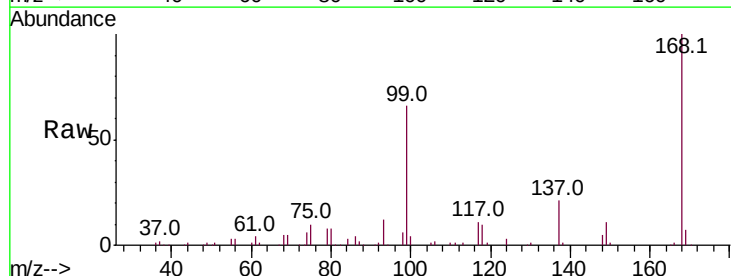
Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20200917

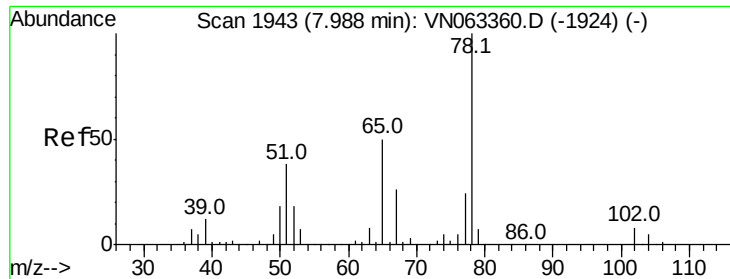
Tot Ion: 63 Resp: 1904
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.8#
 100 0.0 2.1 6.3#



#31
 Cyclohexane
 Concen: 1.368 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. 0.01 min
 Lab File: VN063600.D
 Acq: 23 Sep 2020 19:42

Tgt Ion: 56 Resp: 6269
 Ion Ratio Lower Upper
 56 100
 69 139.6 26.1 39.1#
 84 92.6 65.4 98.2

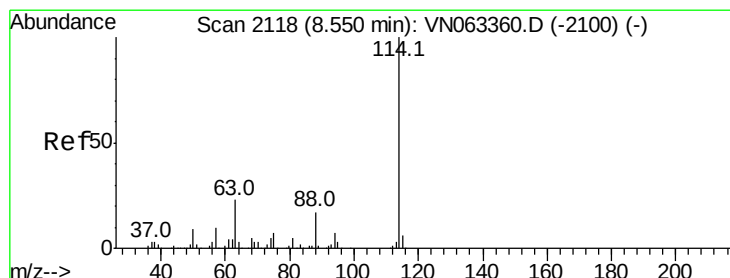
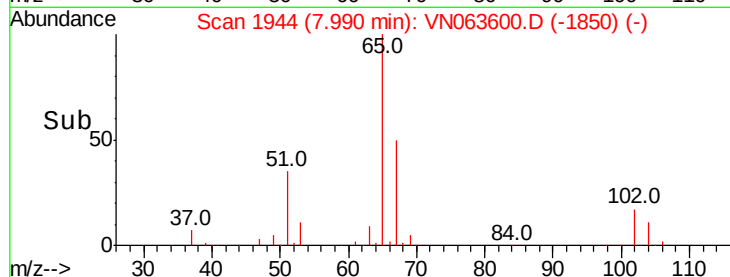
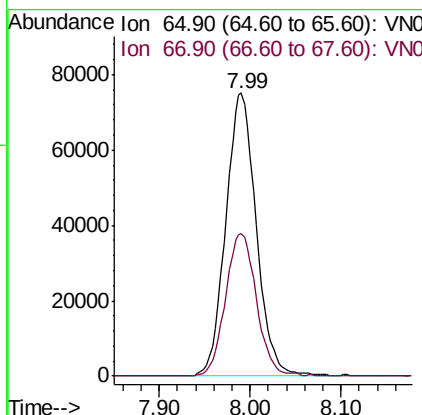
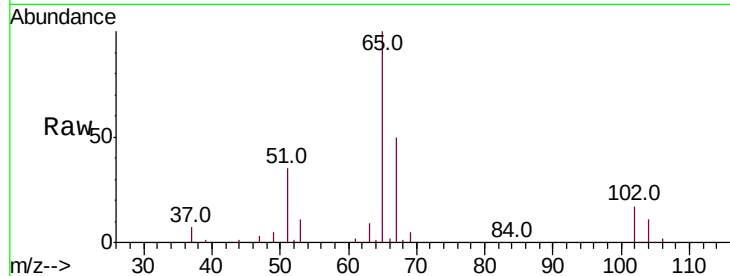




#33
 1,2-Dichloroethane-d4
 Concen: 52.668 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063600.D
 Acq: 23 Sep 2020 19:42

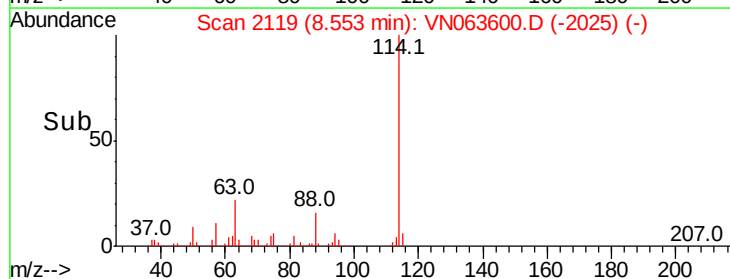
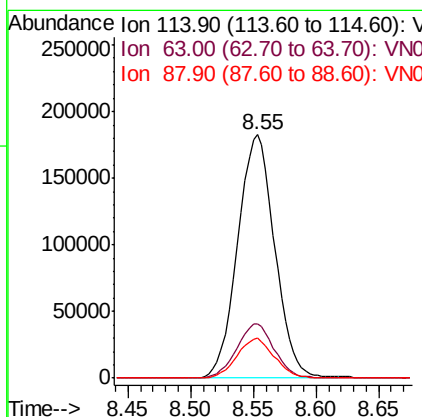
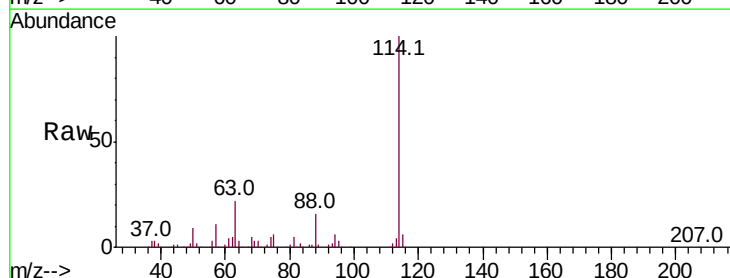
Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20200917

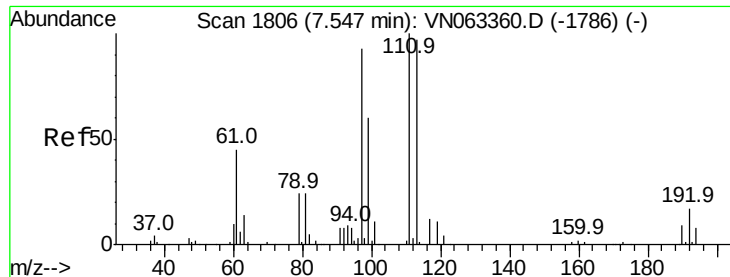
Tot Ion: 65 Resp: 174770
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063600.D
 Acq: 23 Sep 2020 19:42

Tgt Ion:114 Resp: 375946
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 46.4
 88 16.2 0.0 33.2

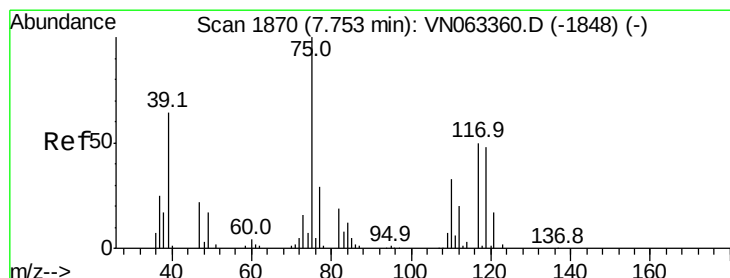
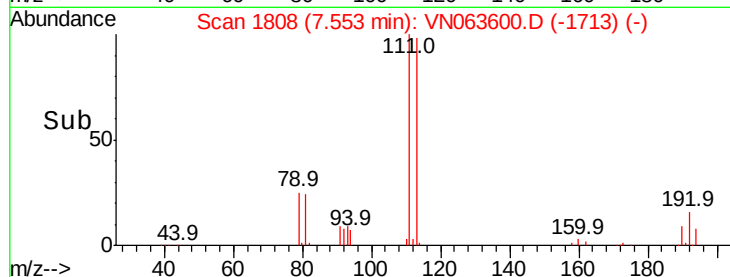
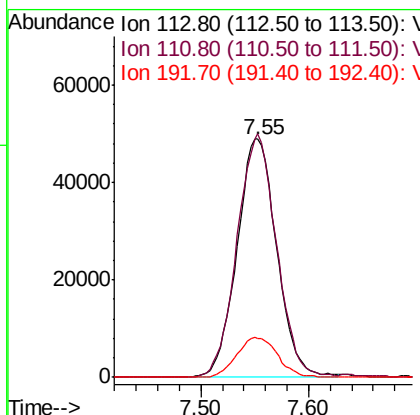
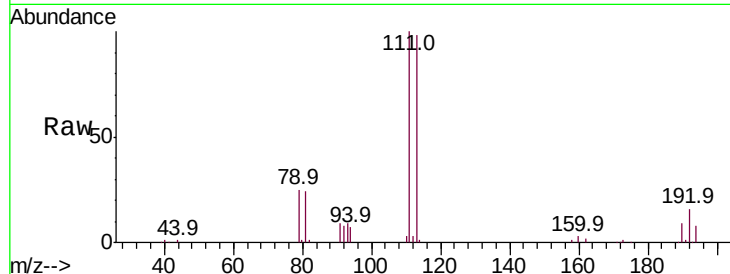




#35
 Dibromofluoromethane
 Concen: 48.164 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063600.D
 Acq: 23 Sep 2020 19:42

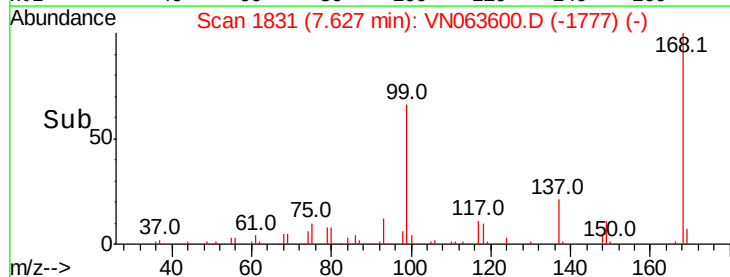
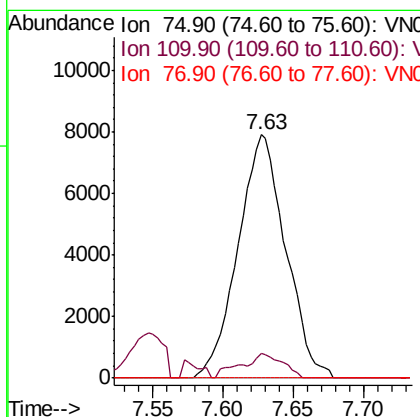
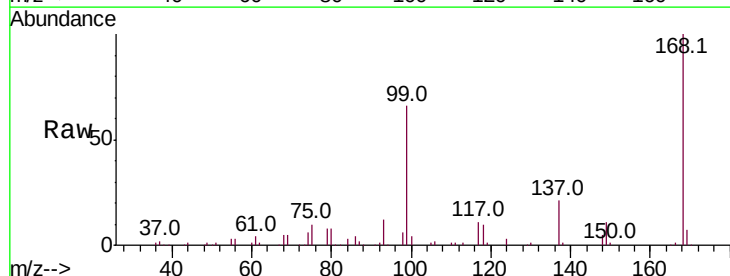
Instrument :
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 RE135D2-20200917

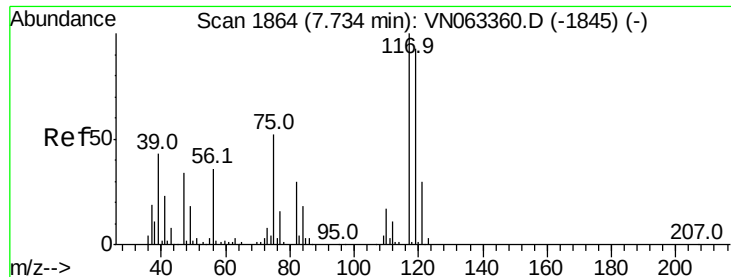
Tot Ion:113 Resp: 125352
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.9 124.3
 192 17.3 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.650 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063600.D
 Acq: 23 Sep 2020 19:42

Tgt Ion: 75 Resp: 18624
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.649 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20200917

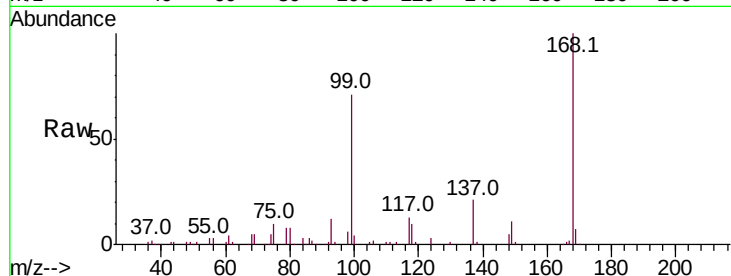
Tot Ion:117 Resp: 23097

Ion Ratio Lower Upper

117 100

119 5.2 74.5 111.7#

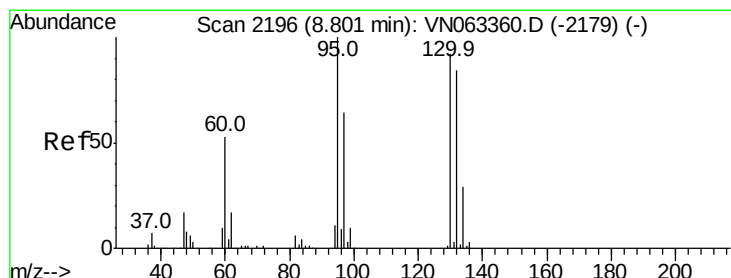
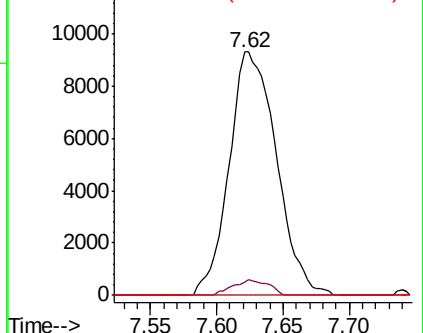
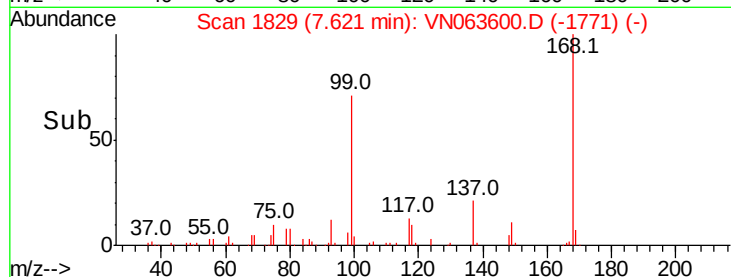
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 0.881 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063600.D

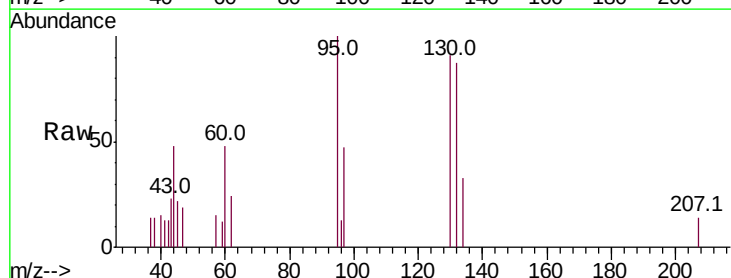
Acq: 23 Sep 2020 19:42

Tgt Ion:130 Resp: 2443

Ion Ratio Lower Upper

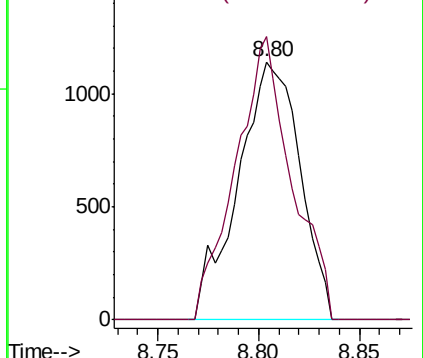
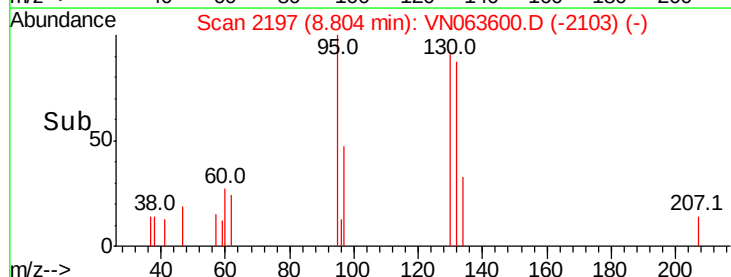
130 100

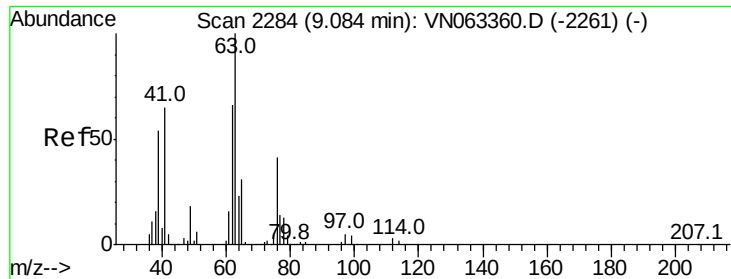
95 109.6 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#45

1,2-Dichloropropane

Concen: 2.066 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

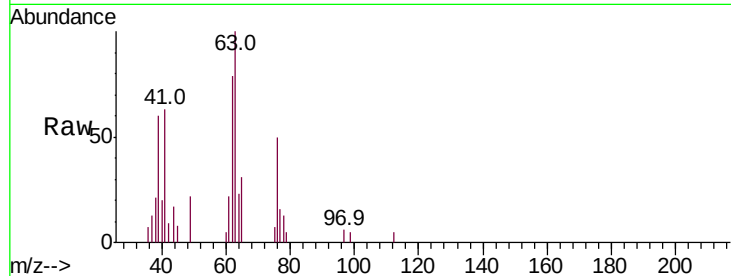
RE135D2-20200917

Tot Ion: 63 Resp: 6432

Ion Ratio Lower Upper

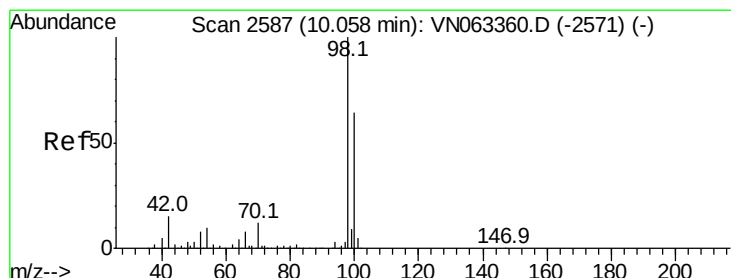
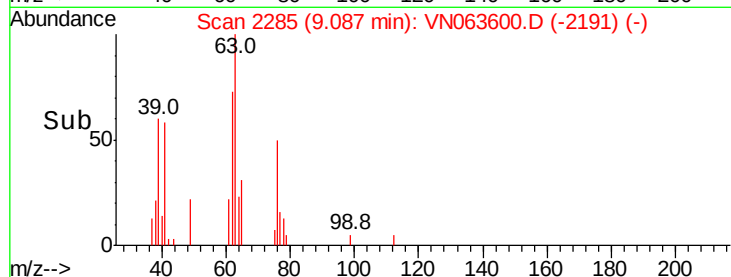
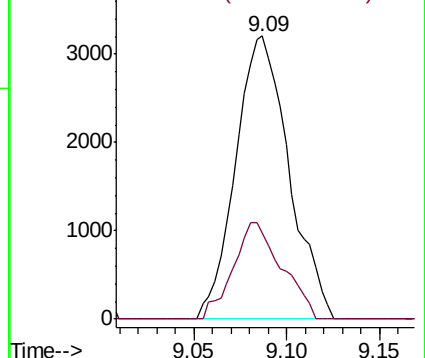
63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#50

Toluene-d8

Concen: 49.112 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063600.D

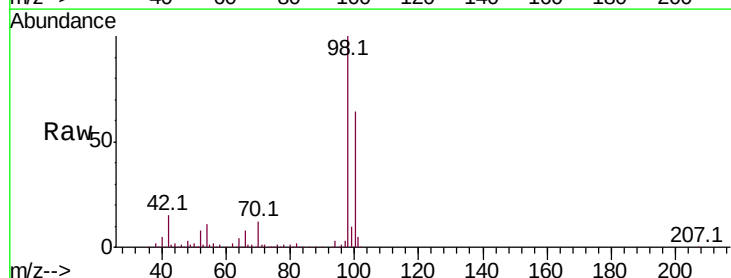
Acq: 23 Sep 2020 19:42

Tgt Ion: 98 Resp: 480626

Ion Ratio Lower Upper

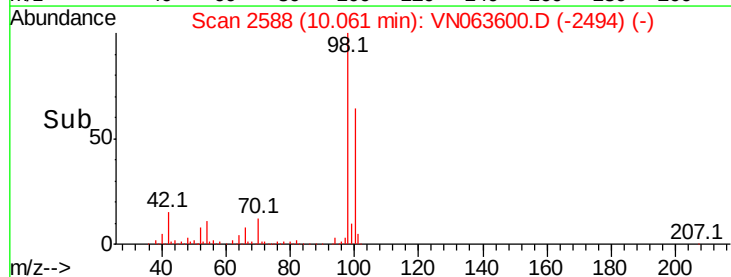
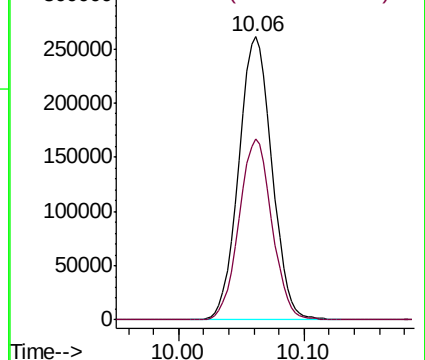
98 100

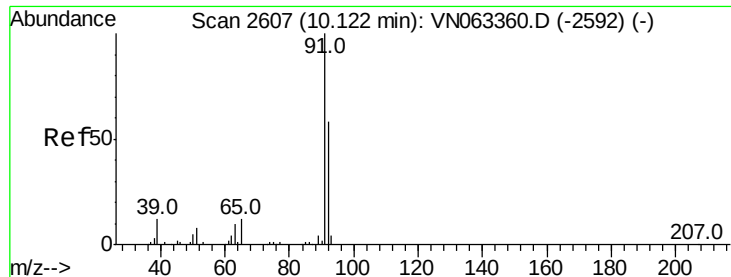
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 0.506 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

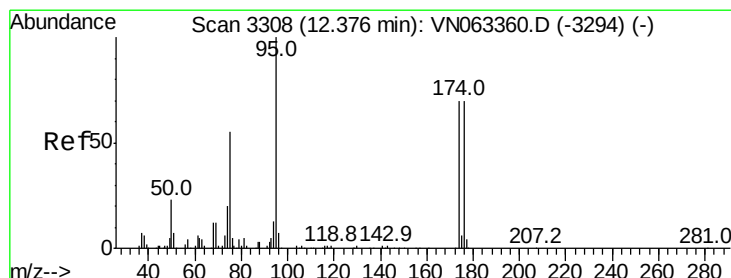
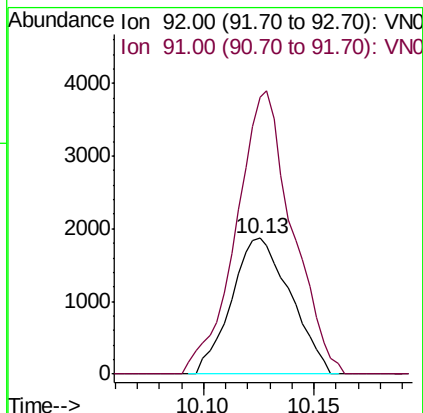
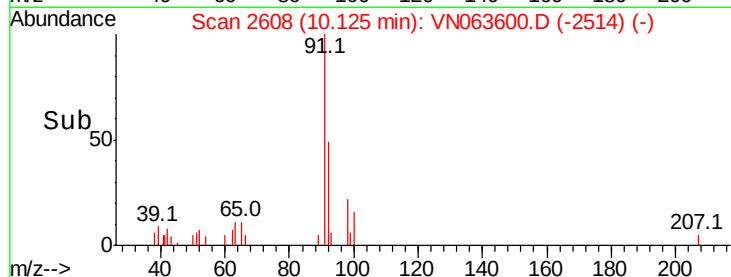
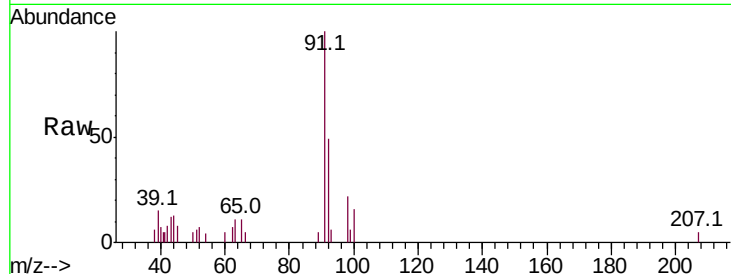
RE135D2-20200917

Tot Ion: 92 Resp: 3478

Ion Ratio Lower Upper

92 100

91 198.2 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 51.671 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

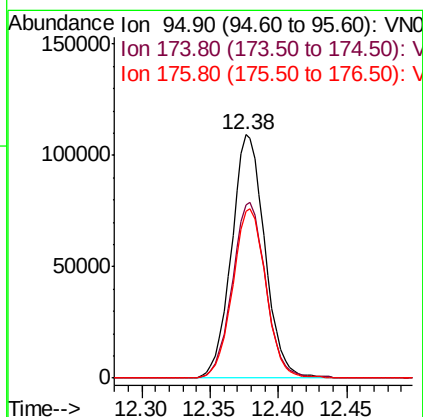
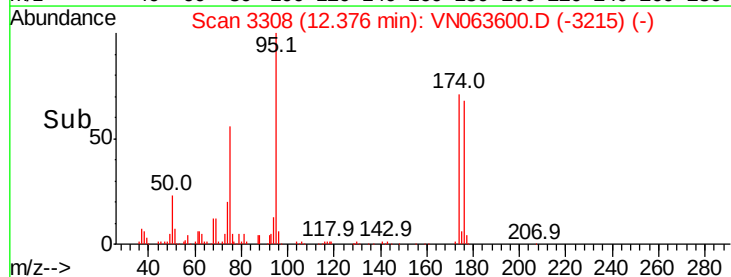
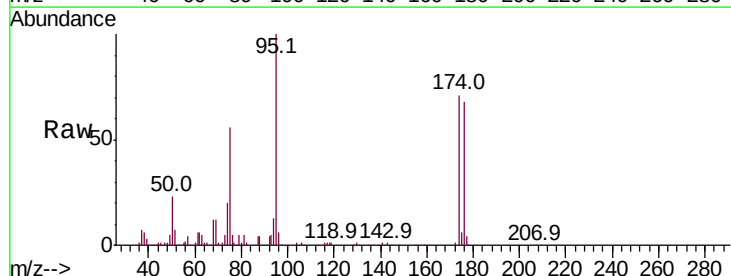
Tgt Ion: 95 Resp: 185369

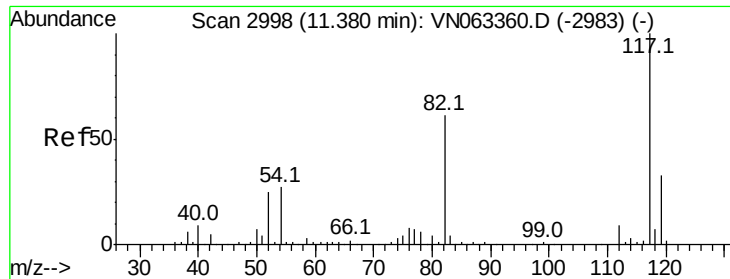
Ion Ratio Lower Upper

95 100

174 72.7 0.0 140.8

176 69.4 0.0 137.6

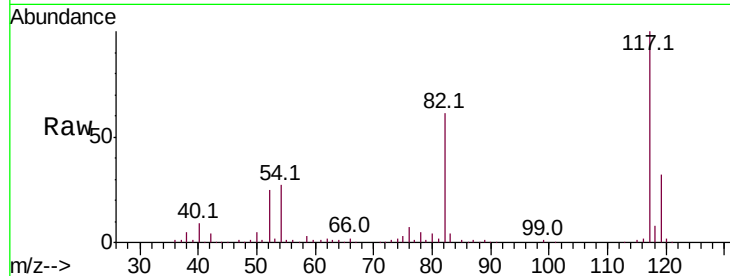




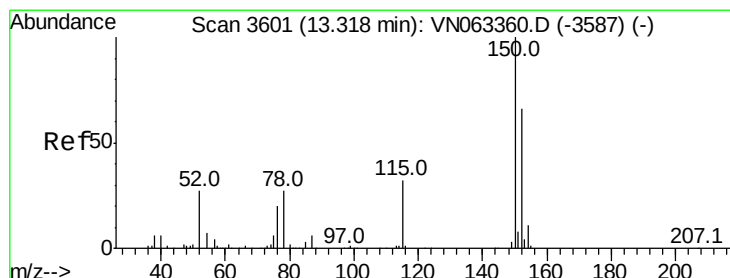
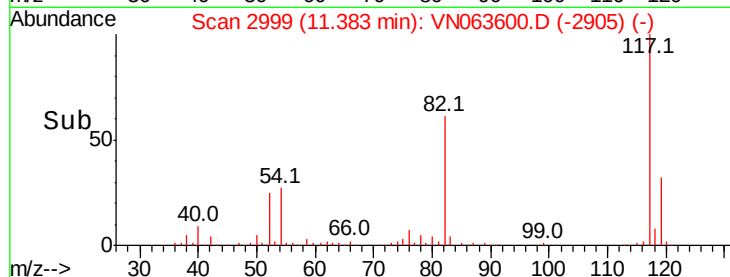
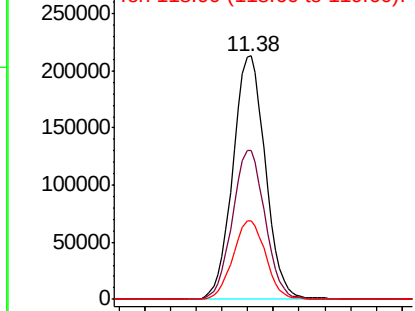
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063600.D
Acq: 23 Sep 2020 19:42

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20200917

Tot Ion:117 Resp: 374069
Ion Ratio Lower Upper
117 100
82 61.3 49.2 73.8
119 32.5 26.2 39.4

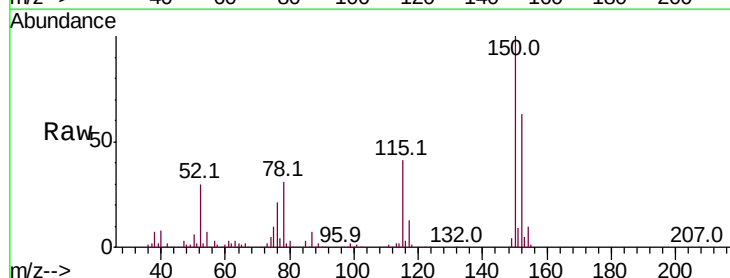


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

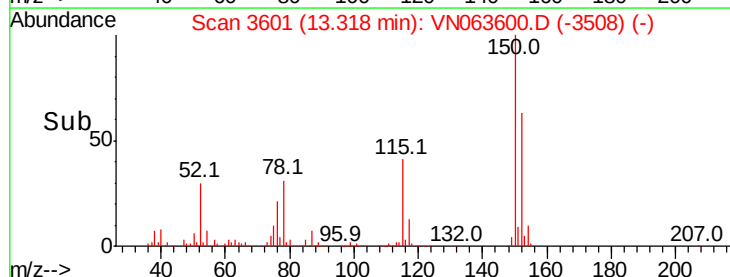
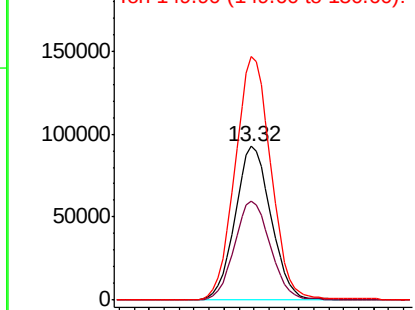


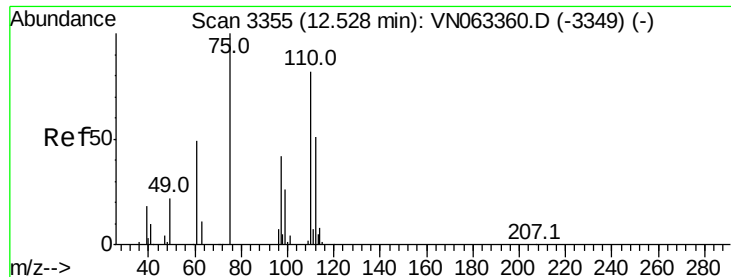
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063600.D
Acq: 23 Sep 2020 19:42

Tgt Ion:152 Resp: 154464
Ion Ratio Lower Upper
152 100
115 65.0 32.2 96.6
150 158.3 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: 27.144 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Instrument :

MSVOA_N

ClientSampleId :

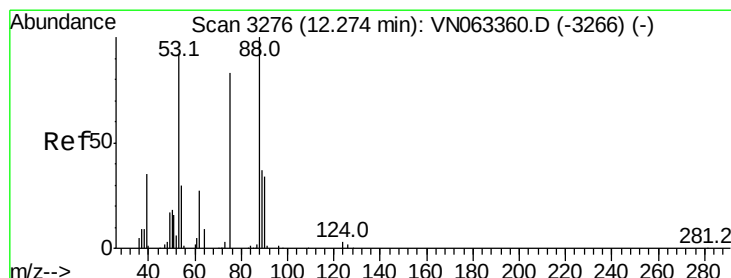
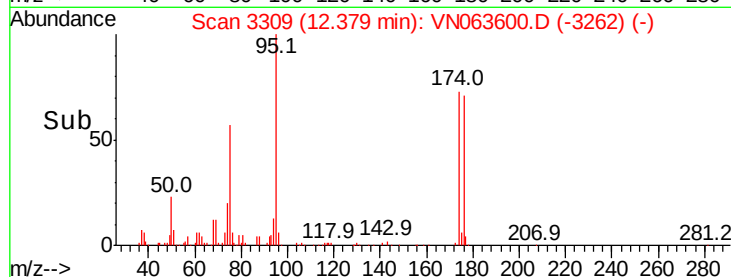
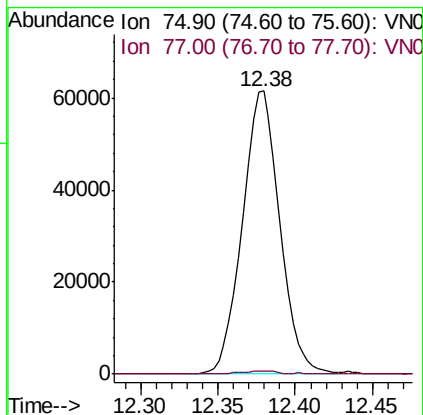
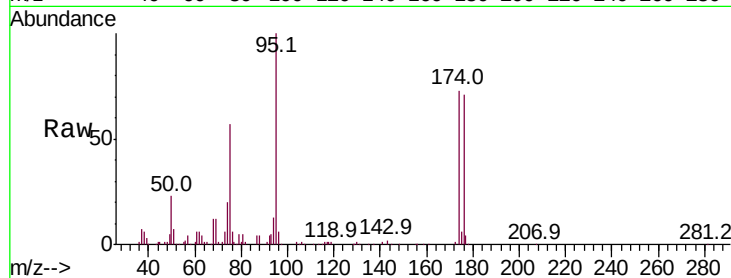
RE135D2-20200917

Tot Ion: 75 Resp: 103778

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.419 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.11 min

Lab File: VN063600.D

Acq: 23 Sep 2020 19:42

Tgt Ion: 75 Resp: 103778

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

