

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063516.D
 Acq On : 22 Sep 2020 4:29
 Operator : JC/MD
 Sample : L4082-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20200915

Quant Time: Sep 22 09:36:04 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	221581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	414625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	410358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	176641	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	183456	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	7.55	113	132911	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	10.06	98	527161	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.38	95	208884	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	

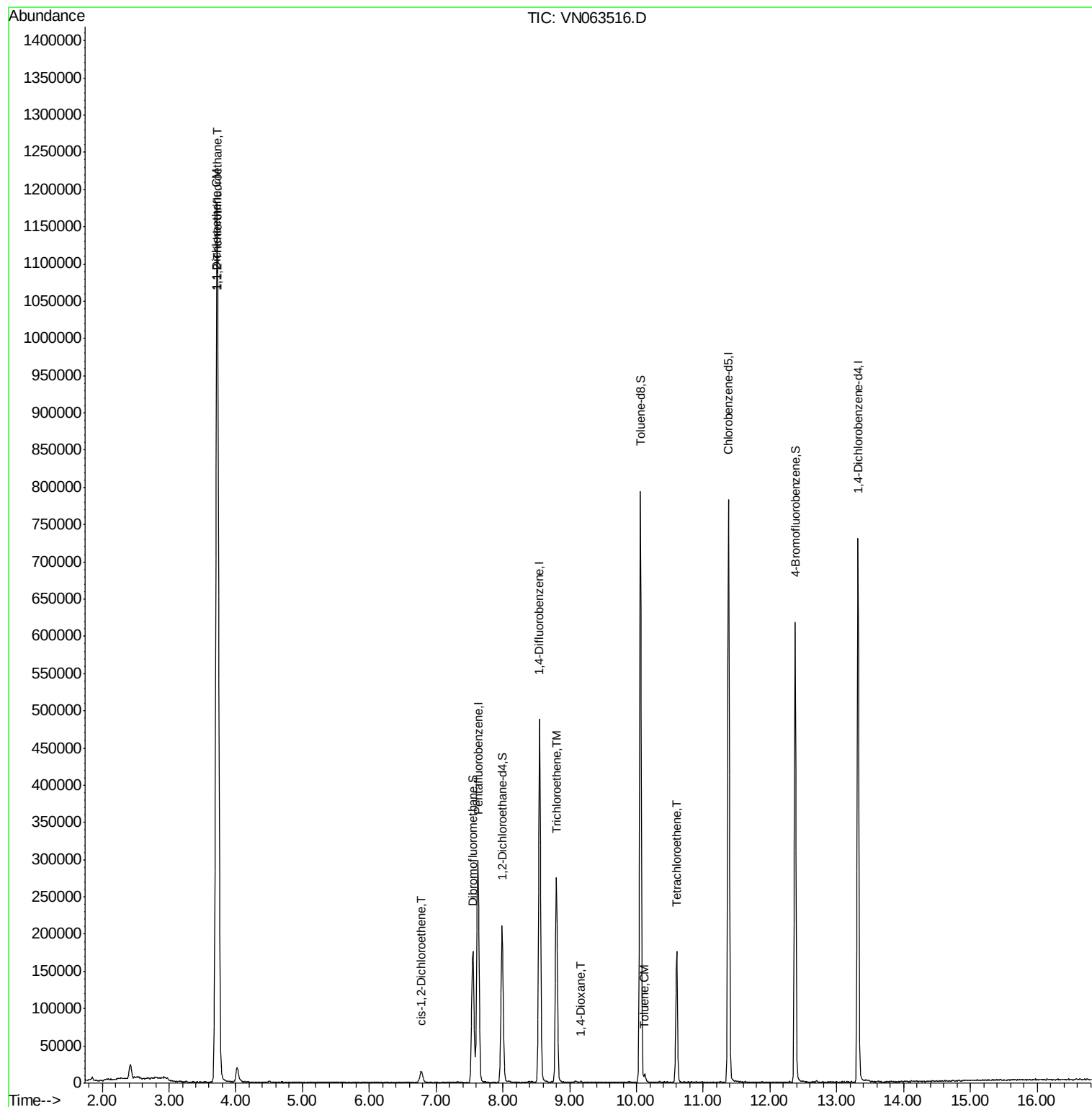
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	724994	293.672	ug/l	99
12) 1,1-Dichloroethene	3.71	96	4610	1.844	ug/l #	58
27) cis-1,2-Dichloroethene	6.78	96	3788	1.208	ug/l	77
44) Trichloroethene	8.80	130	92555	30.263	ug/l	98
49) 1,4-Dioxane	9.17	88	382	6.989	ug/l	90
52) Toluene	10.12	92	3184	0.420	ug/l	100
64) Tetrachloroethene	10.60	164	36756	13.154	ug/l	97

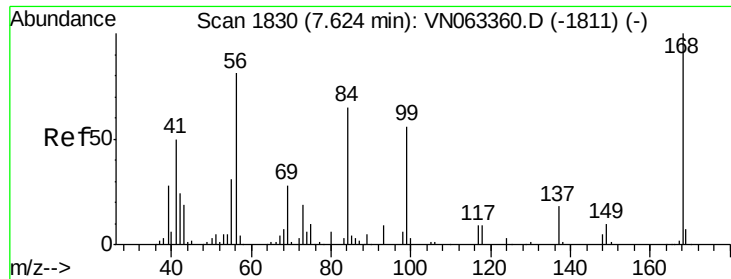
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN063516.D

Acq: 22 Sep 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

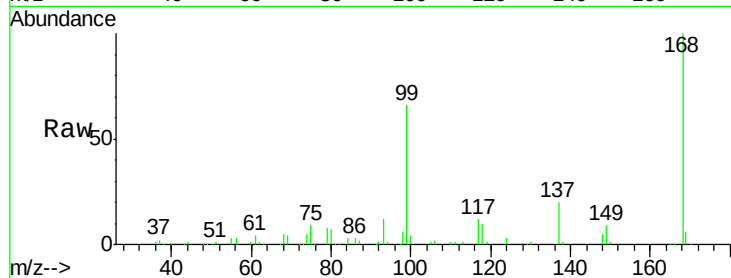
RE134D4-20200915

Tot Ion:168 Resp: 221581

Ion Ratio Lower Upper

168 100

99 66.2 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

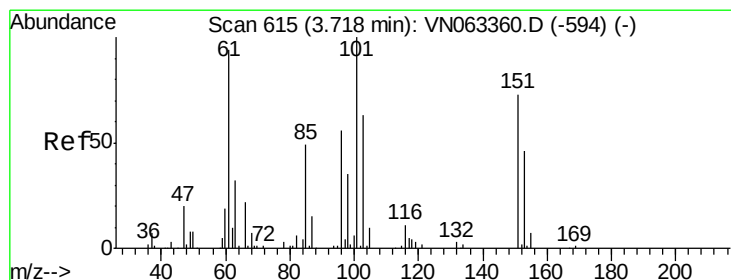
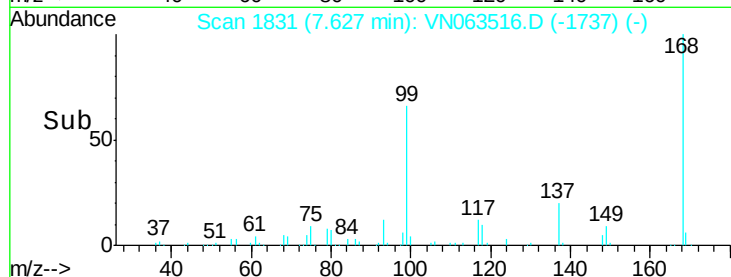
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 293.672 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063516.D

Acq: 22 Sep 2020 4:29

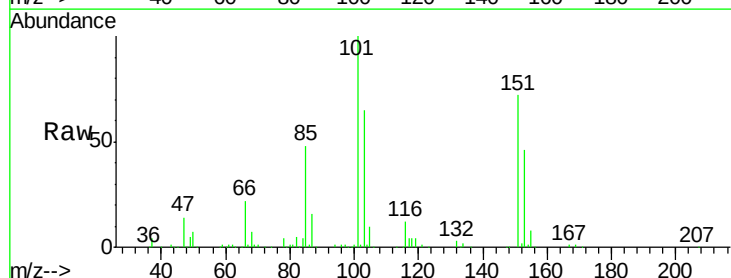
Tgt Ion:101 Resp: 724994

Ion Ratio Lower Upper

101 100

85 48.1 37.7 56.5

151 71.8 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

300000

250000

200000

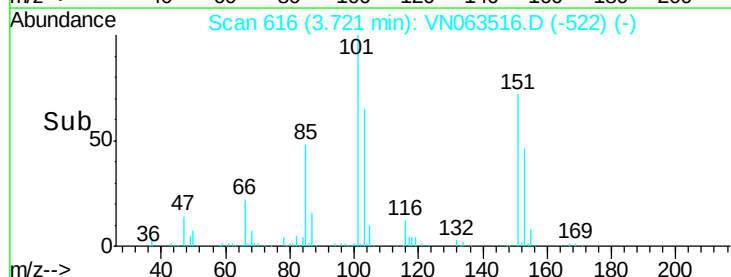
150000

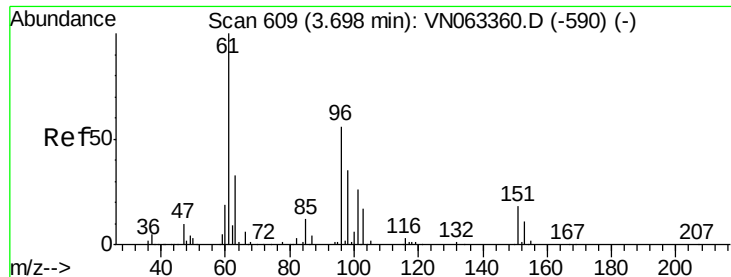
100000

50000

0

Time--> 3.60 3.70 3.80





#12

1,1-Dichloroethene

Concen: 1.844 ug/l

RT: 3.71 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN063516.D

Acq: 22 Sep 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

RE134D4-20200915

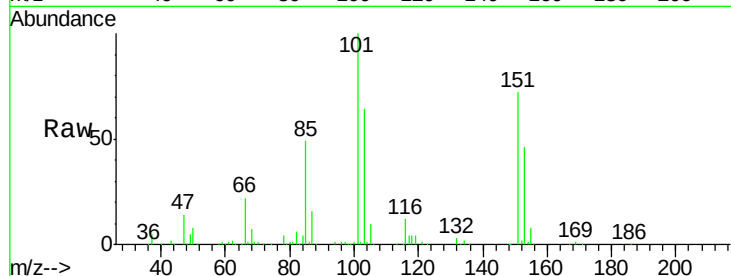
Tot Ion: 96 Resp: 4610

Ion Ratio Lower Upper

96 100

61 108.7 143.4 215.2#

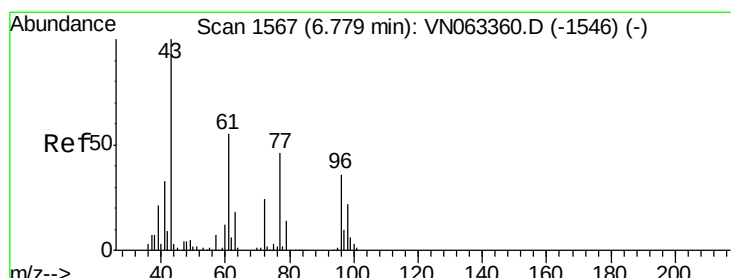
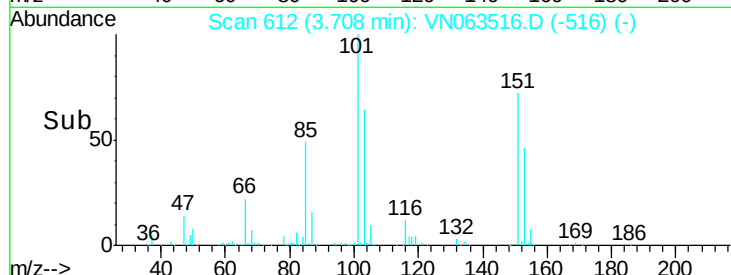
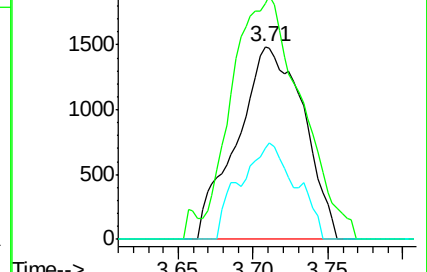
98 47.2 50.6 76.0#



Abundance Ion 95.90 (95.60 to 96.60): VN063516.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN063516.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN063516.D (-1474) (-)



#27

cis-1,2-Dichloroethene

Concen: 1.208 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063516.D

Acq: 22 Sep 2020 4:29

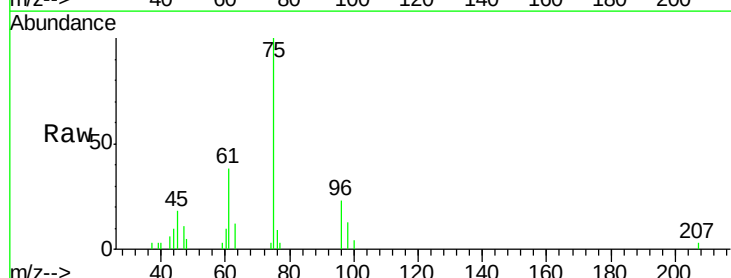
Tgt Ion: 96 Resp: 3788

Ion Ratio Lower Upper

96 100

61 145.4 0.0 319.6

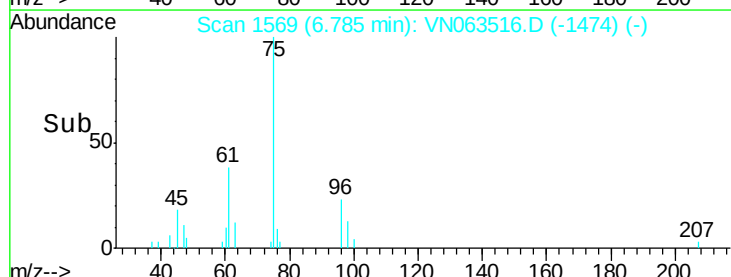
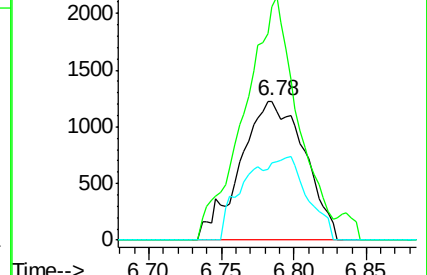
98 22.6 0.0 127.8

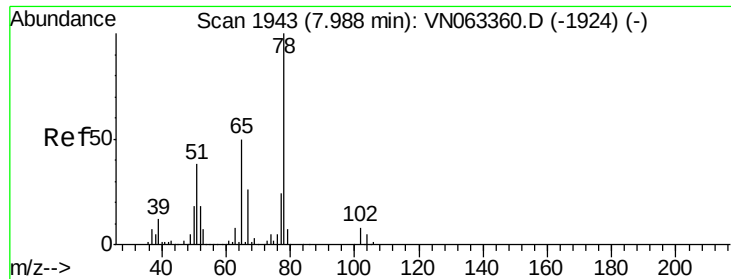


Abundance Ion 95.90 (95.60 to 96.60): VN063516.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN063516.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN063516.D (-1474) (-)

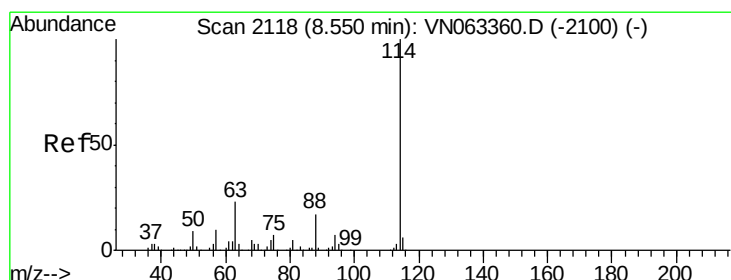
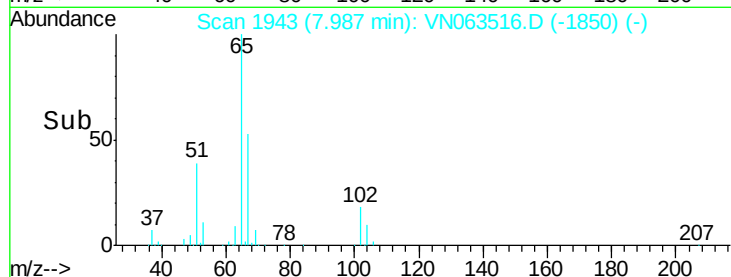
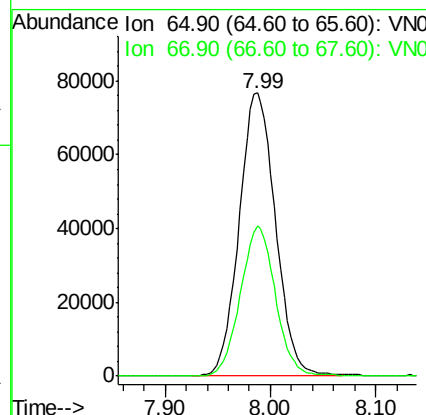
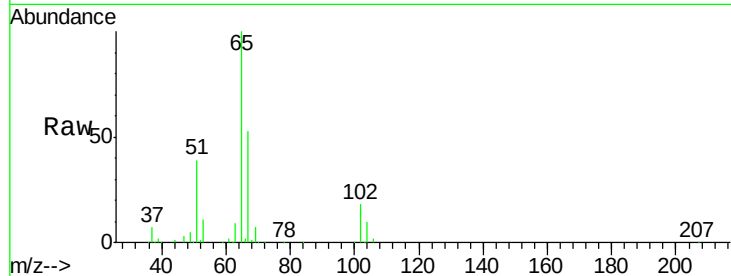




#33
 1,2-Dichloroethane-d4
 Concen: 48.638 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063516.D
 Acq: 22 Sep 2020 4:29

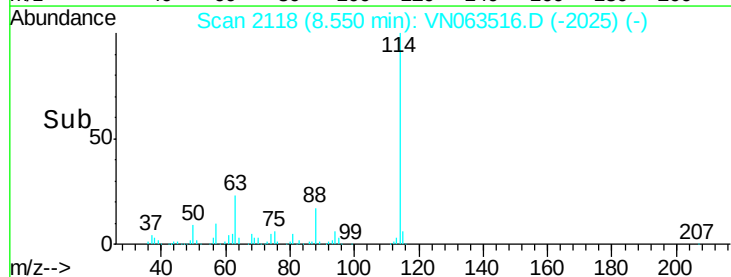
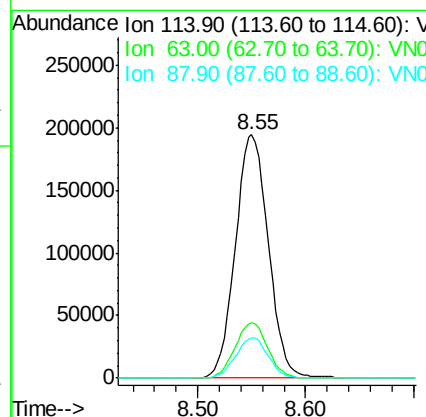
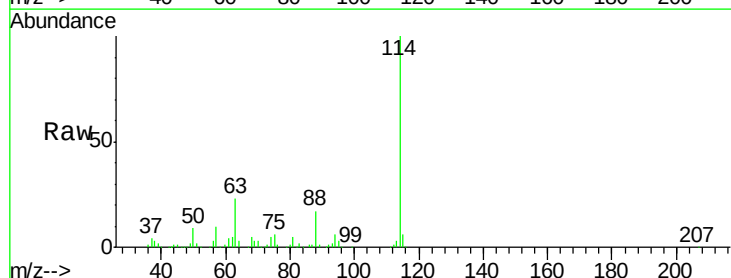
Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20200915

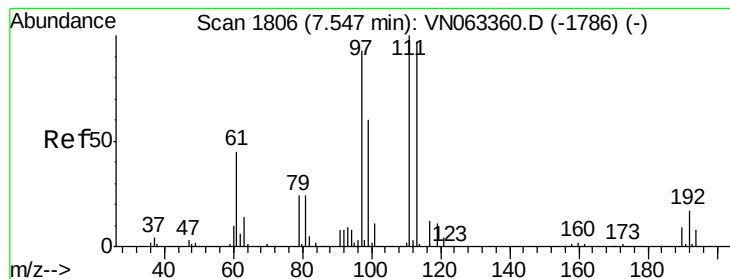
Tot Ion: 65 Resp: 183456
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063516.D
 Acq: 22 Sep 2020 4:29

Tgt Ion: 114 Resp: 414625
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.4
 88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.305 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063516.D

Acq: 22 Sep 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

RE134D4-20200915

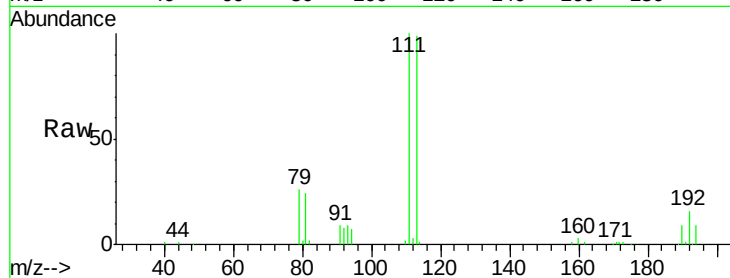
Tot Ion:113 Resp: 132911

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

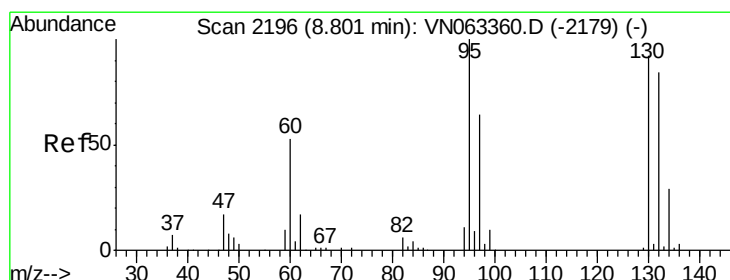
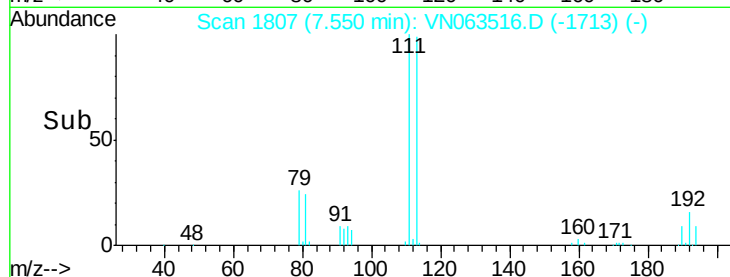
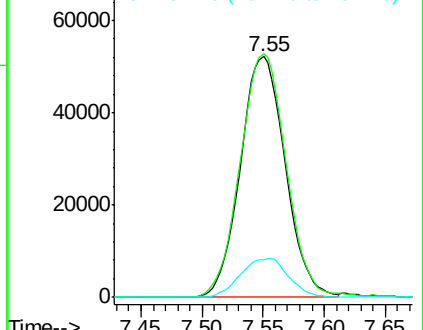
192 17.3 13.9 20.9



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



#44

Trichloroethene

Concen: 30.263 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063516.D

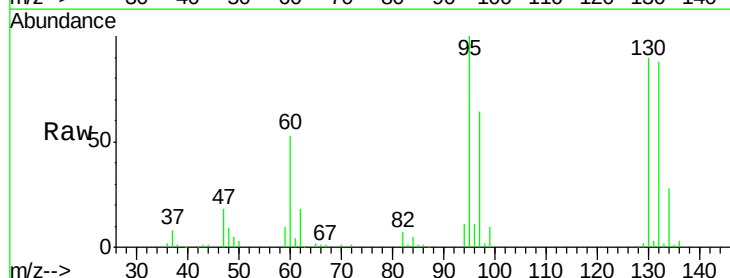
Acq: 22 Sep 2020 4:29

Tgt Ion:130 Resp: 92555

Ion Ratio Lower Upper

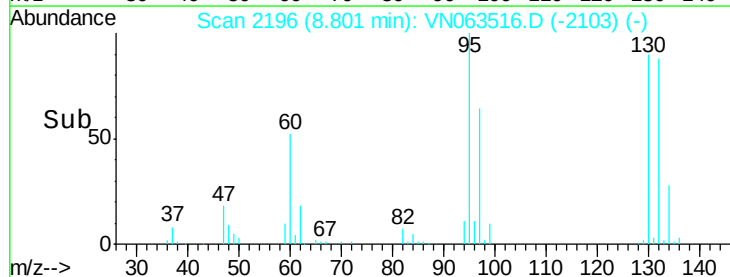
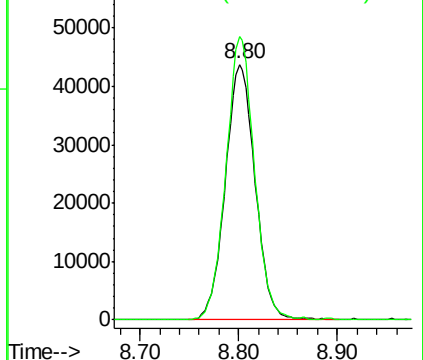
130 100

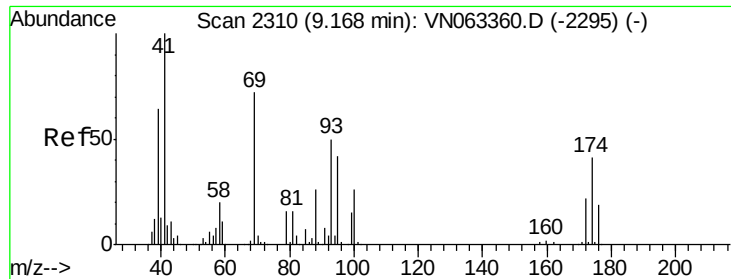
95 110.9 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

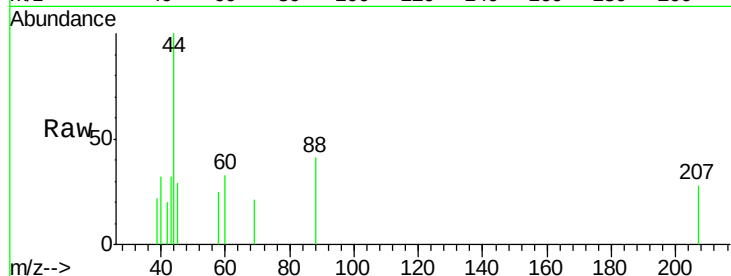




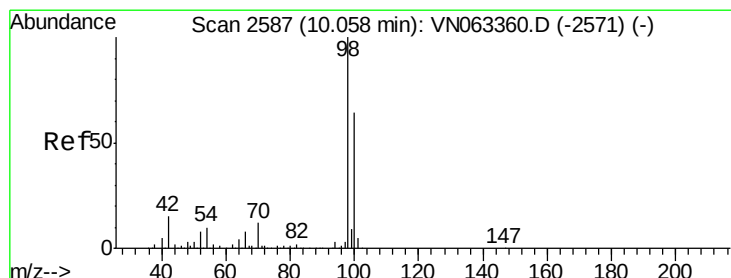
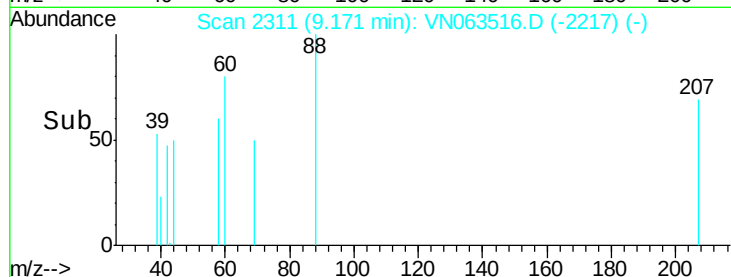
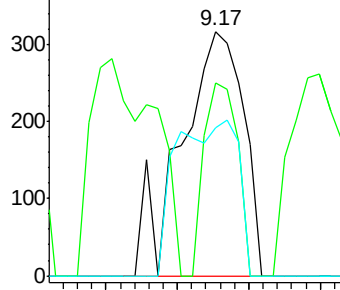
#49
1,4-Dioxane
Concen: 6.989 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063516.D
Acq: 22 Sep 2020 4:29

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20200915

Tot Ion: 88 Resp: 382
Ion Ratio Lower Upper
88 100
43 42.7 32.6 49.0
58 63.4 60.0 90.0

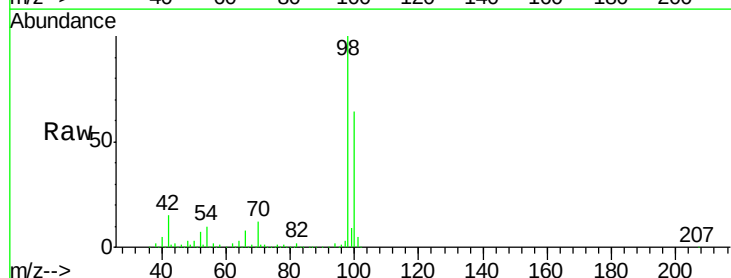


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

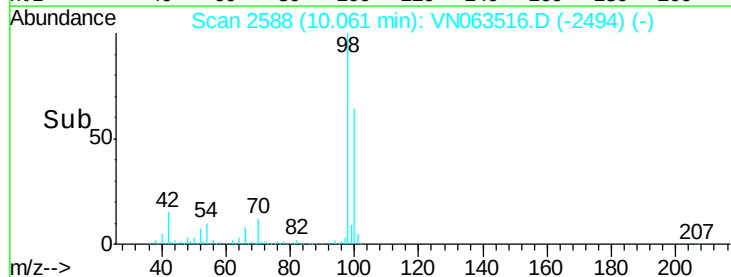
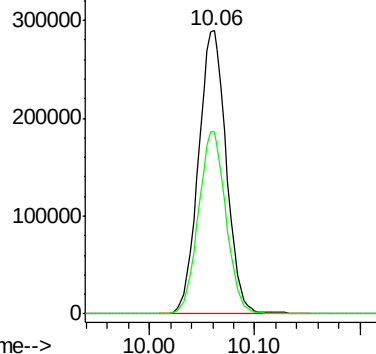


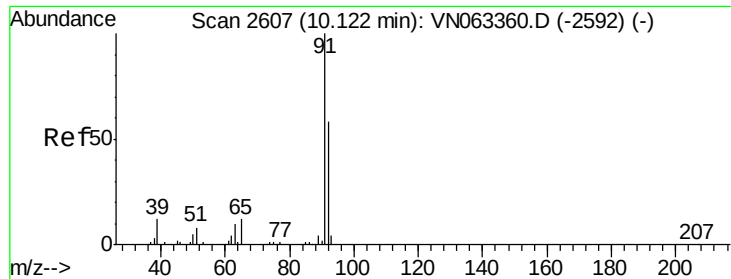
#50
Toluene-d8
Concen: 48.842 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063516.D
Acq: 22 Sep 2020 4:29

Tgt Ion: 98 Resp: 527161
Ion Ratio Lower Upper
98 100
100 63.6 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: 0.420 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063516.D

Acq: 22 Sep 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

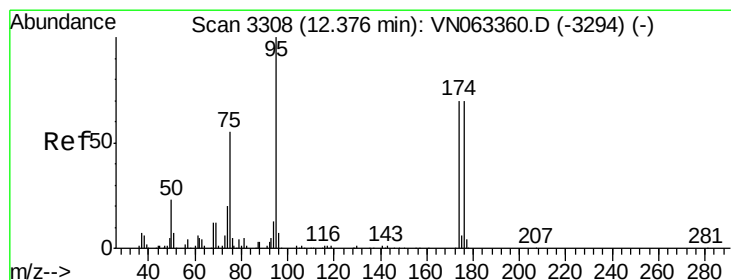
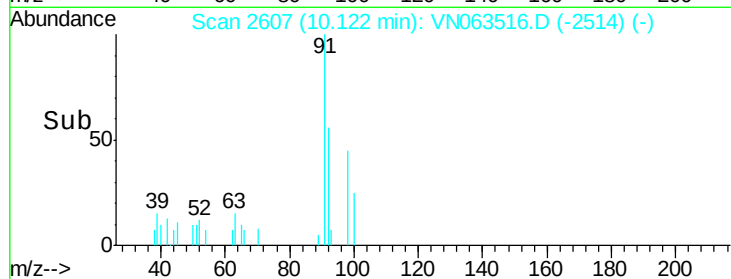
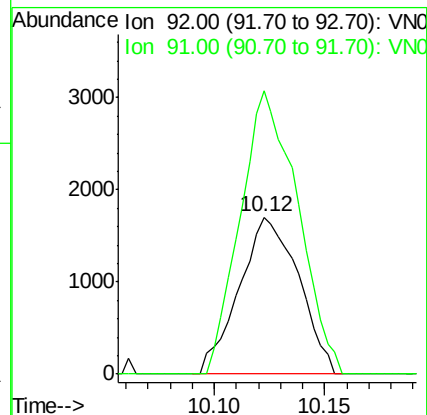
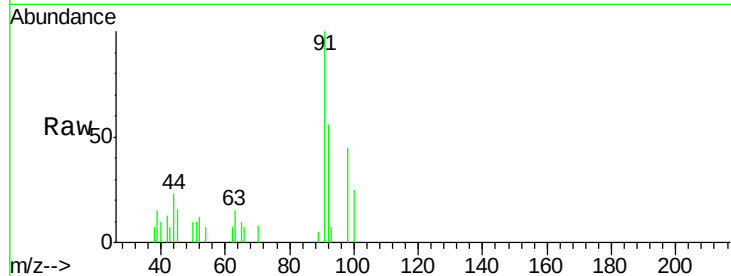
RE134D4-20200915

Tot Ion: 92 Resp: 3184

Ion Ratio Lower Upper

92 100

91 174.3 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 52.795 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063516.D

Acq: 22 Sep 2020 4:29

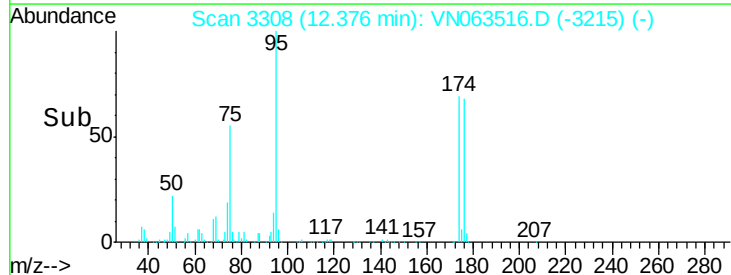
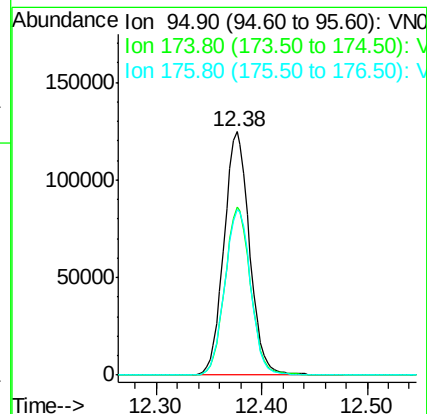
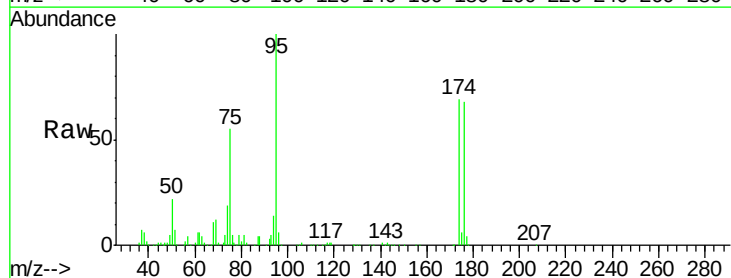
Tgt Ion: 95 Resp: 208884

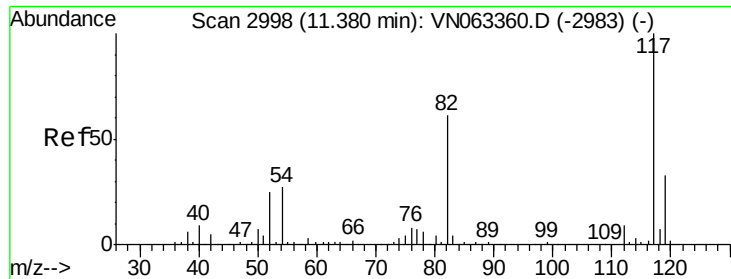
Ion Ratio Lower Upper

95 100

174 69.4 0.0 140.8

176 68.9 0.0 137.6

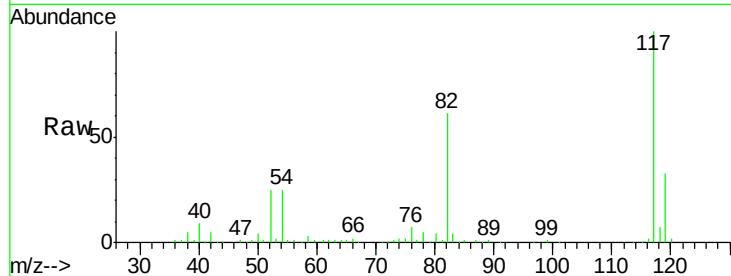




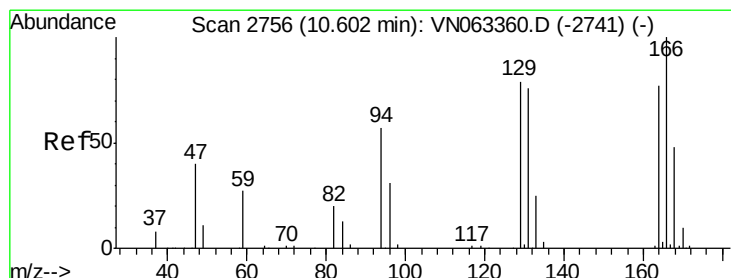
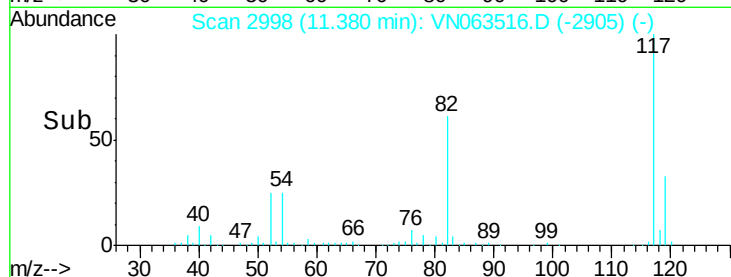
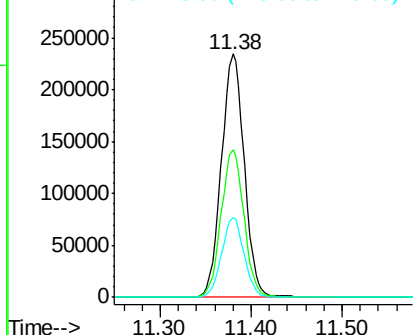
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063516.D
Acq: 22 Sep 2020 4:29

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20200915

Tot Ion:117 Resp: 410358
Ion Ratio Lower Upper
117 100
82 60.6 49.2 73.8
119 33.0 26.2 39.4



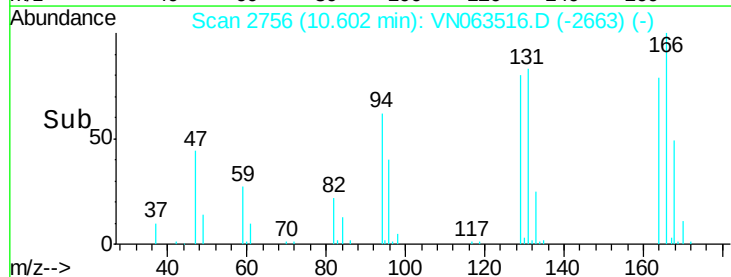
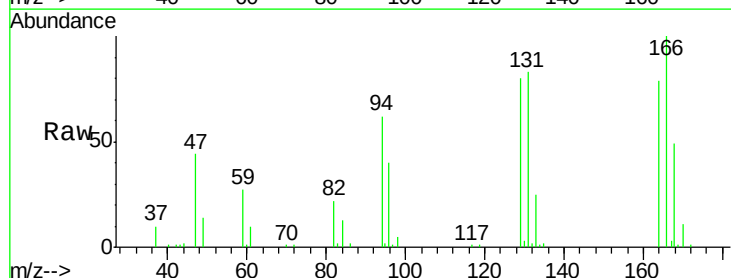
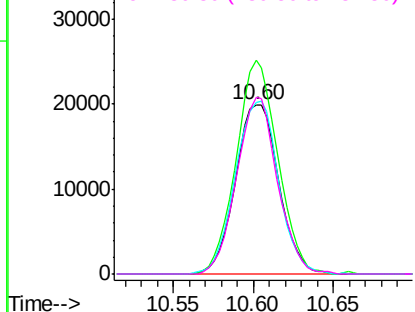
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

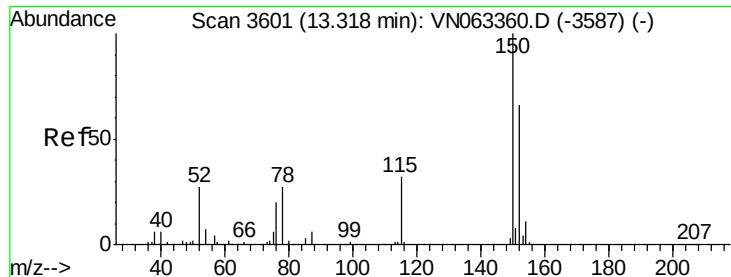


#64
Tetrachloroethene
Concen: 13.154 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063516.D
Acq: 22 Sep 2020 4:29

Tgt Ion:164 Resp: 36756
Ion Ratio Lower Upper
164 100
166 126.1 103.4 155.0
129 101.4 81.8 122.6
131 104.6 78.2 117.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VN063516.D

Acq: 22 Sep 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

RE134D4-20200915

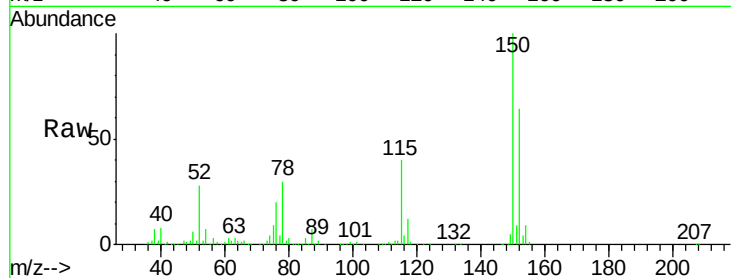
Tot Ion:152 Resp: 176641

Ion Ratio Lower Upper

152 100

115 63.9 32.2 96.6

150 156.5 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

