

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063535.D
 Acq On : 22 Sep 2020 16:08
 Operator : JC/MD
 Sample : L4082-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D1-20200915

Quant Time: Sep 23 04:01:38 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	225586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	418763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174717	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	185237	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
35) Dibromofluoromethane	7.55	113	133689	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
50) Toluene-d8	10.06	98	533677	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.38	95	204313	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

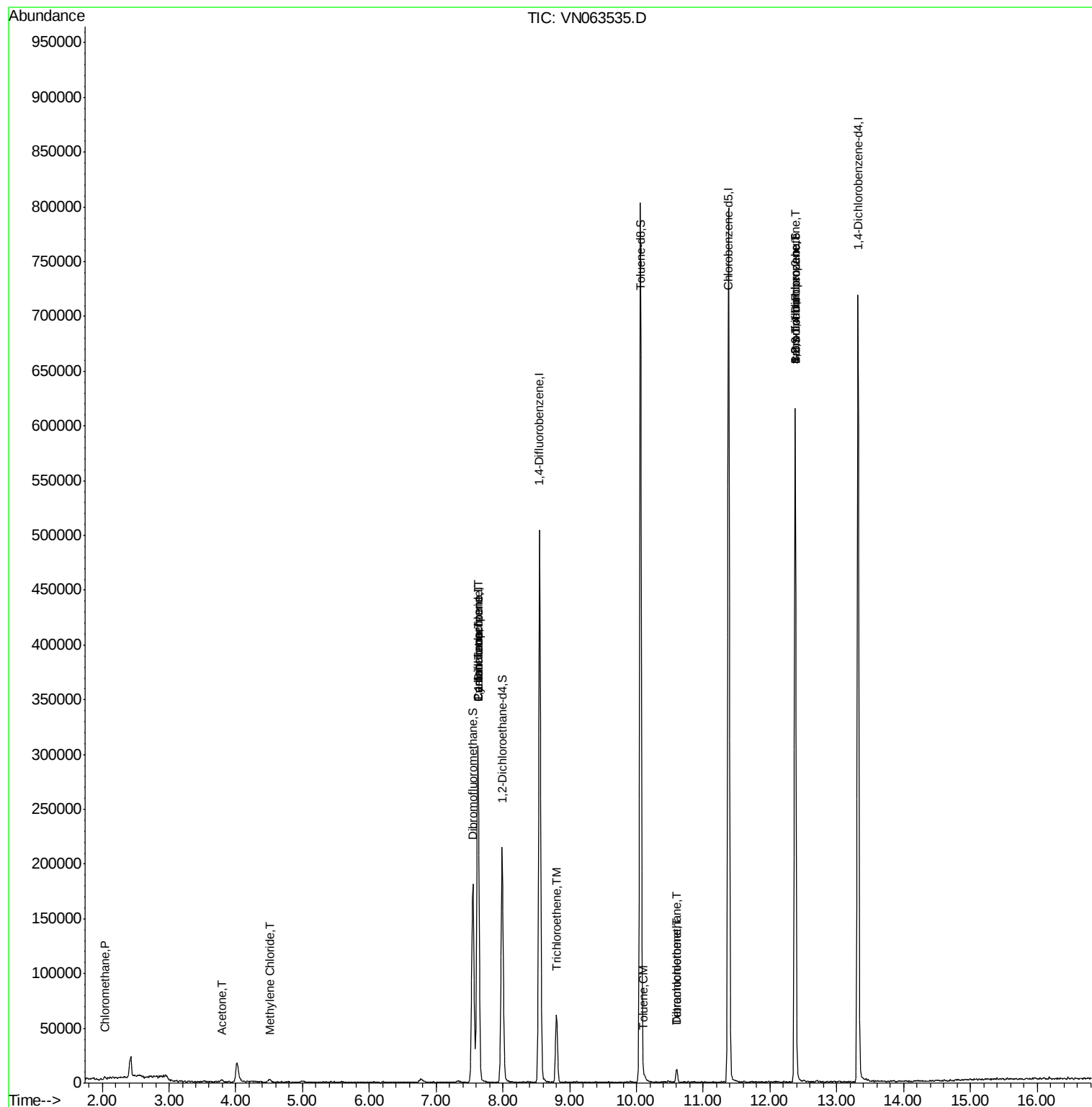
						Qvalue
3) Chloromethane	2.04	50	1331	0.394	ug/l	92
16) Acetone	3.78	43	3890	3.152	ug/l	97
20) Methylene Chloride	4.51	84	1471	0.470	ug/l	88
31) Cyclohexane	7.63	56	6617	1.248	ug/l #	32
36) 1,1-Dichloropropene	7.63	75	21984	4.928	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24821	5.450	ug/l #	17
44) Trichloroethene	8.80	130	20290	6.569	ug/l	90
52) Toluene	10.12	92	1717	0.224	ug/l	98
60) Dibromochloromethane	10.60	129	2590	0.754	ug/l #	10
64) Tetrachloroethene	10.60	164	2766	0.973	ug/l	97
71) Bromoform	12.37	173	1343	0.555	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	117653	27.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117653	74.589	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: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

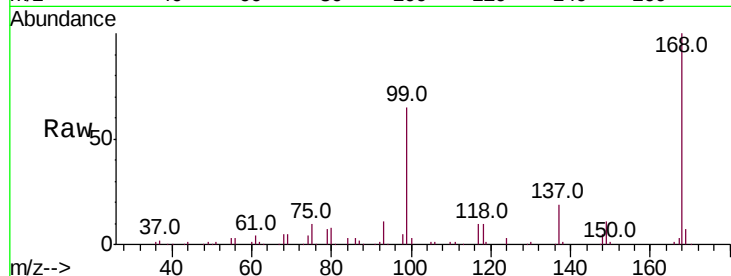
RE134D1-20200915

Tot Ion:168 Resp: 225586

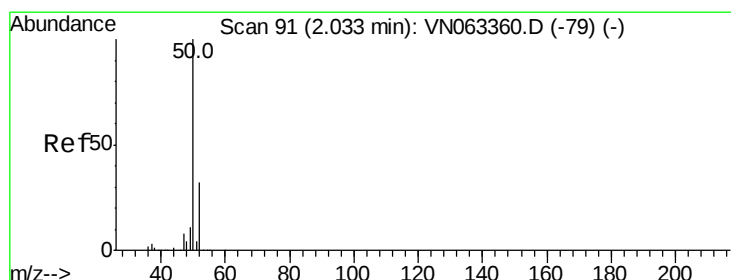
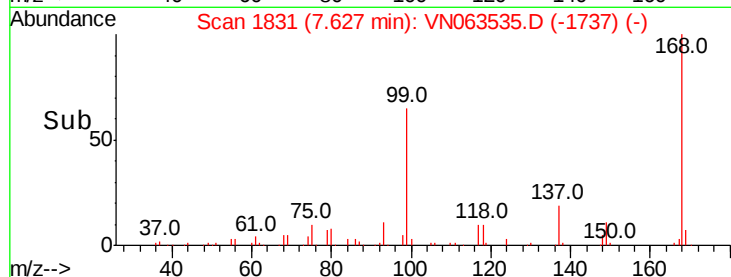
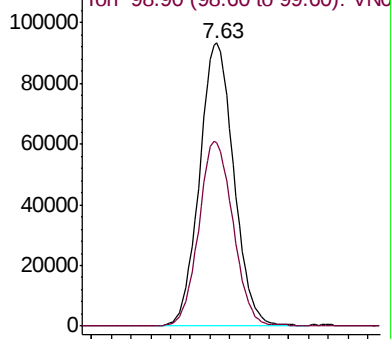
Ion Ratio Lower Upper

168 100

99 64.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063535.D (-1737) (-)



#3

Chloromethane

Concen: 0.394 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063535.D

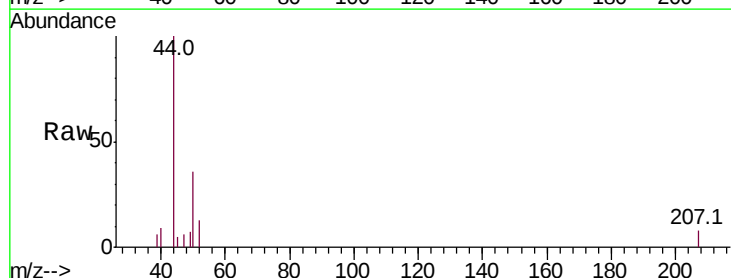
Acq: 22 Sep 2020 16:08

Tgt Ion: 50 Resp: 1331

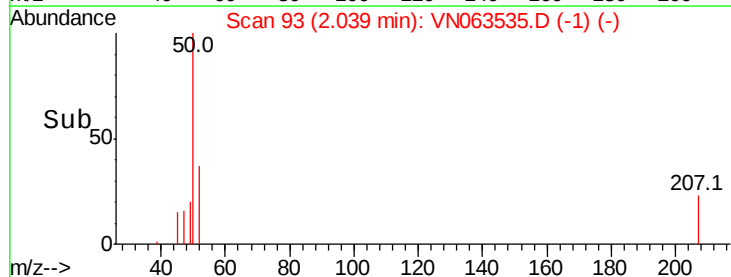
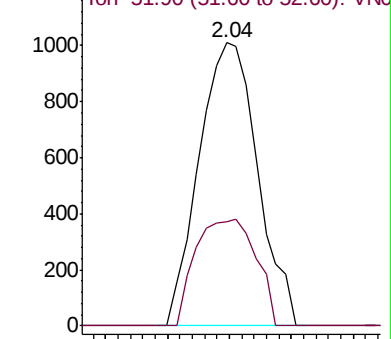
Ion Ratio Lower Upper

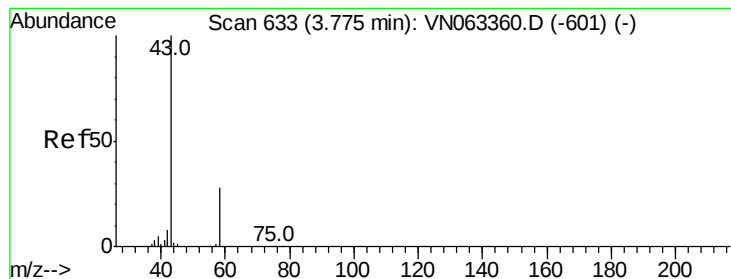
50 100

52 36.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN063535.D (-1) (-)





#16

Acetone

Concen: 3.152 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

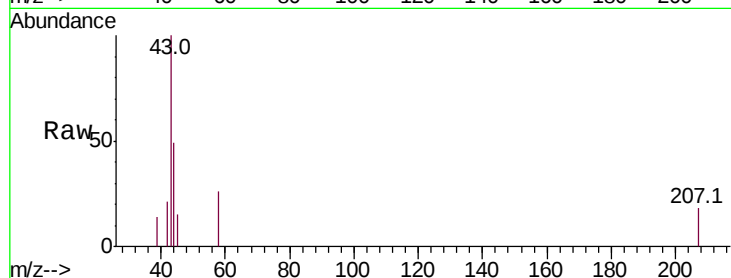
RE134D1-20200915

Tot Ion: 43 Resp: 3890

Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)

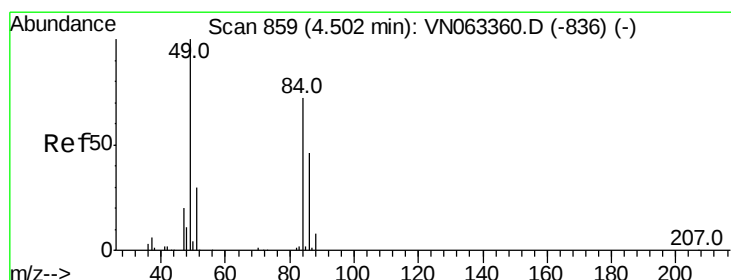
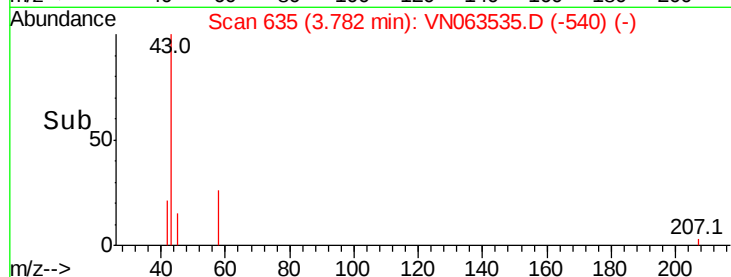
3.78

1000

500

0

Time--> 3.70 3.75 3.80 3.85



#20

Methylene Chloride

Concen: 0.470 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Tgt Ion: 84 Resp: 1471

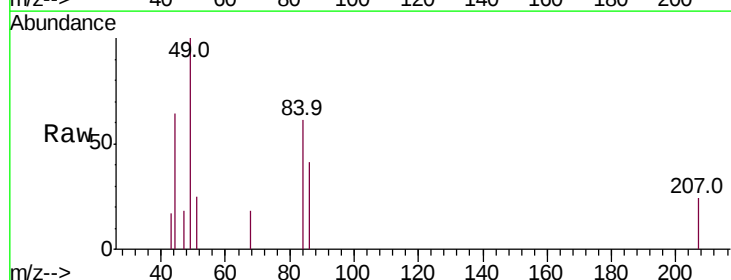
Ion Ratio Lower Upper

84 100

49 115.7 110.7 166.1

51 40.6 32.9 49.3

86 68.2 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VN063360.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN063360.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN063360.D (-836) (-)

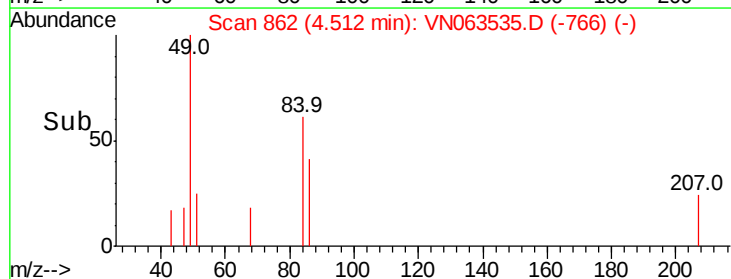
Ion 85.90 (85.60 to 86.60): VN063360.D (-836) (-)

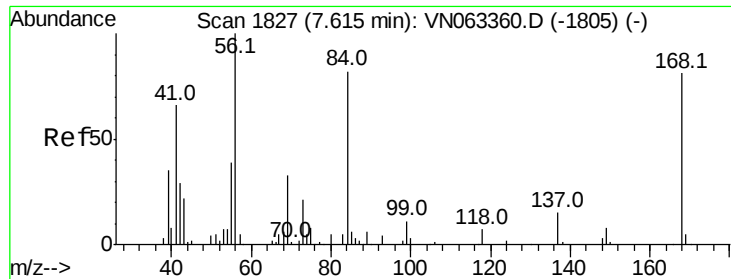
1000

500

0

Time--> 4.45 4.50 4.55

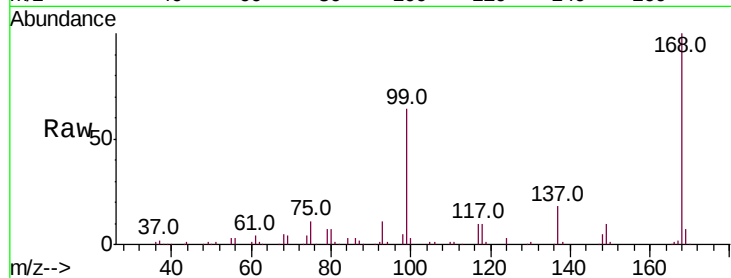




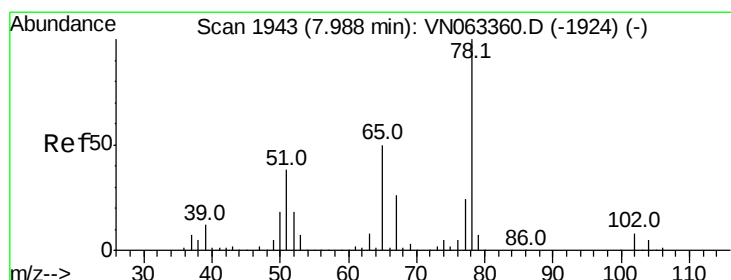
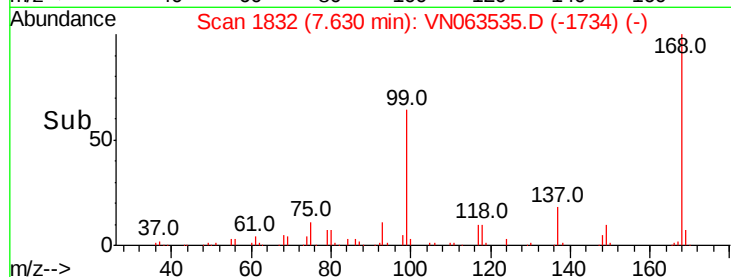
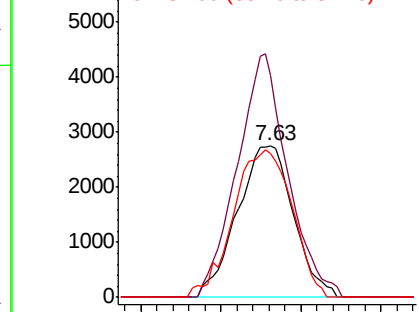
#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063535.D
Acq: 22 Sep 2020 16:08

Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20200915

Tot Ion: 56 Resp: 6617
Ion Ratio Lower Upper
56 100
69 146.4 26.1 39.1#
84 94.5 65.4 98.2

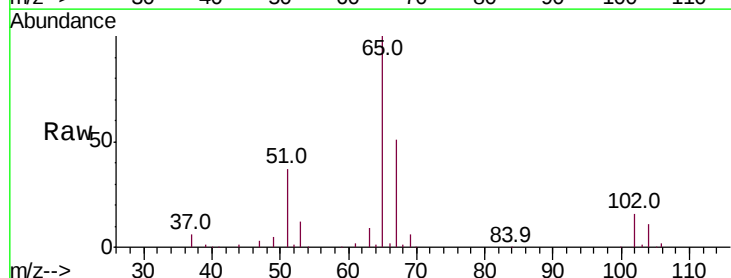


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

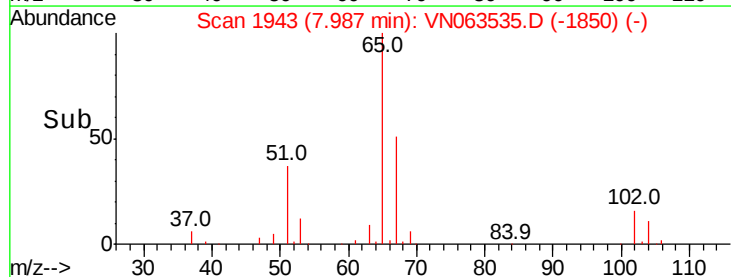
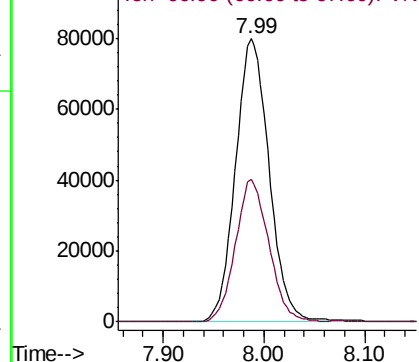


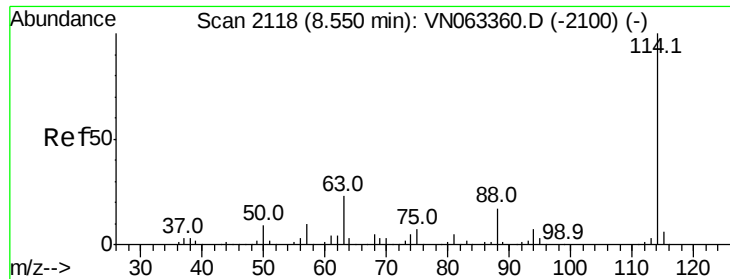
#33
1,2-Dichloroethane-d4
Concen: 48.238 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063535.D
Acq: 22 Sep 2020 16:08

Tgt Ion: 65 Resp: 185237
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

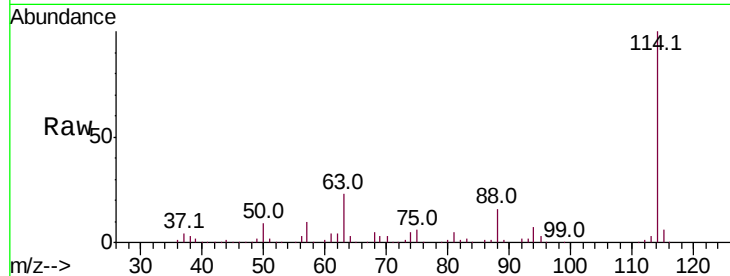




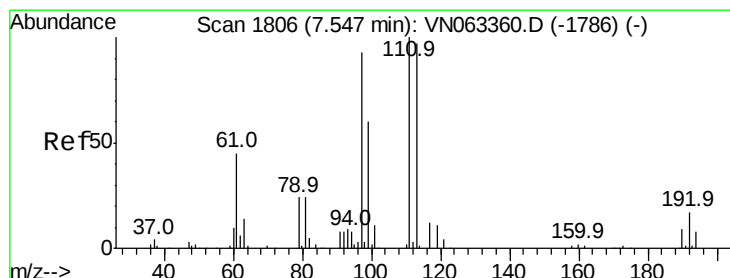
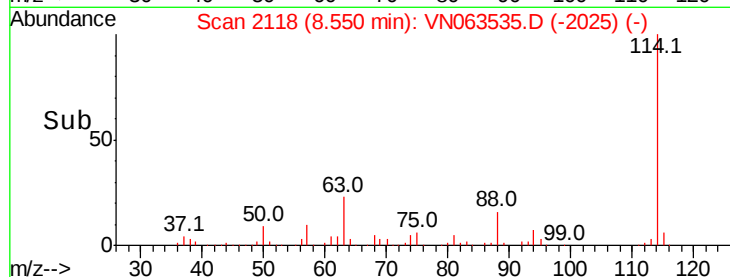
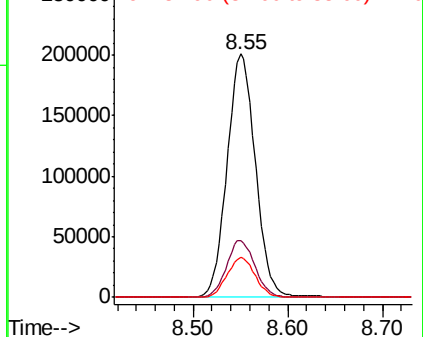
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063535.D
 Acq: 22 Sep 2020 16:08

Instrument :
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 RE134D1-20200915

Tot Ion:	114	Resp:	418763
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.4
88	16.3	0.0	33.2

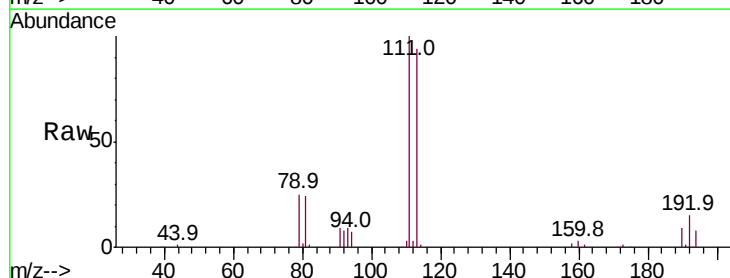


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

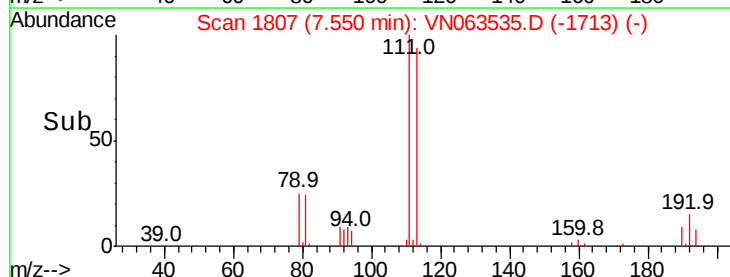
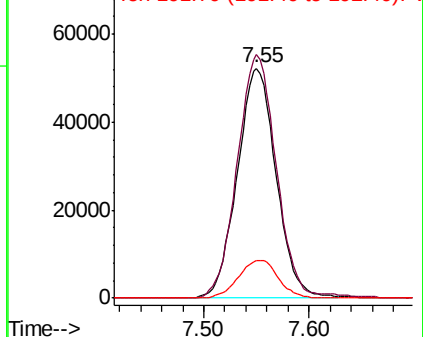


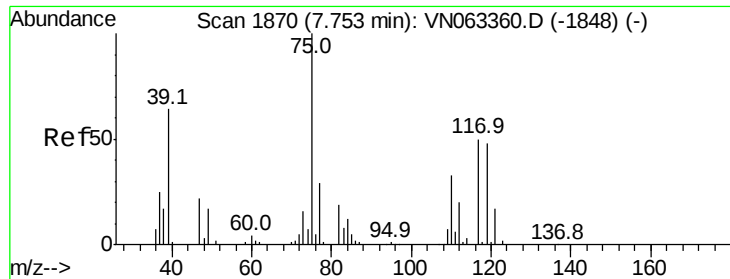
#35
 Dibromofluoromethane
 Concen: 46.115 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063535.D
 Acq: 22 Sep 2020 16:08

Tgt Ion:	113	Resp:	133689
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.9	124.3
192	16.9	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: 4.928 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200915

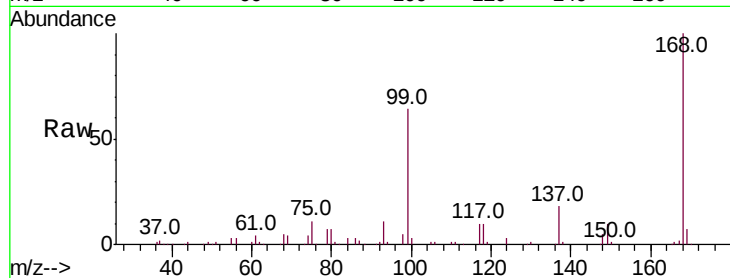
Tot Ion: 75 Resp: 21984

Ion Ratio Lower Upper

75 100

110 9.5 16.5 49.5#

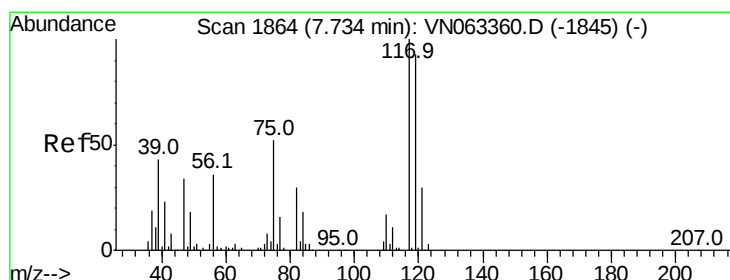
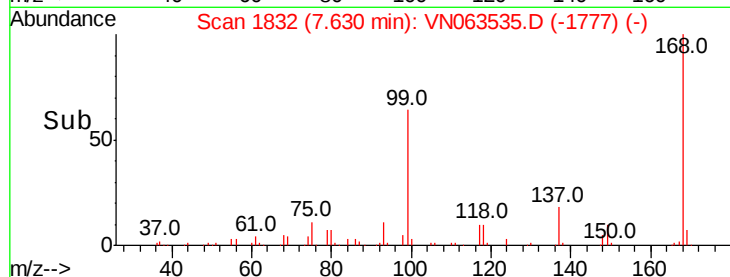
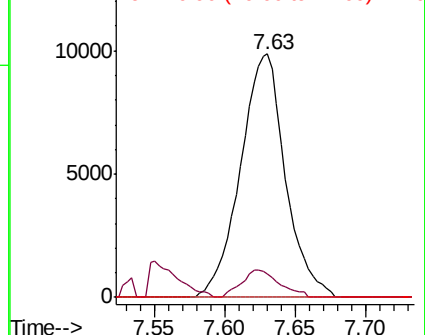
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 5.450 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

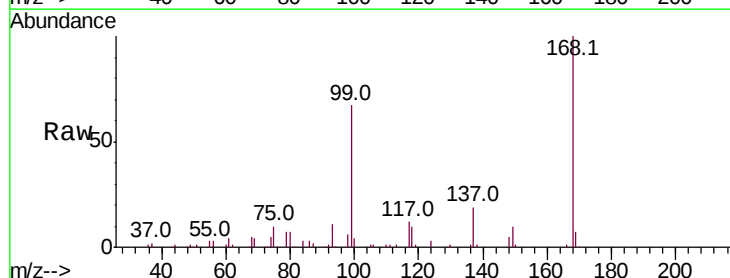
Tgt Ion: 117 Resp: 24821

Ion Ratio Lower Upper

117 100

119 5.3 74.5 111.7#

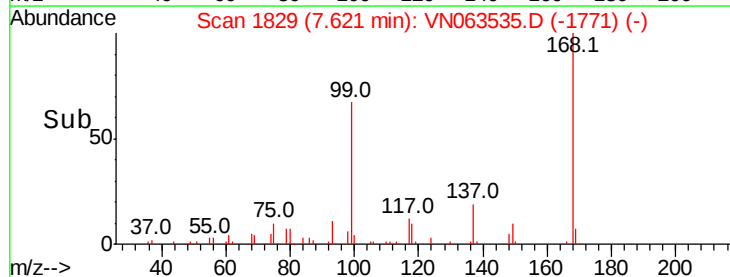
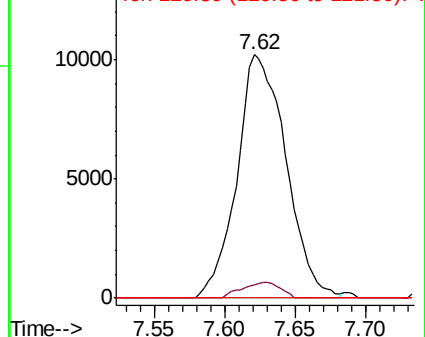
121 0.0 24.1 36.1#

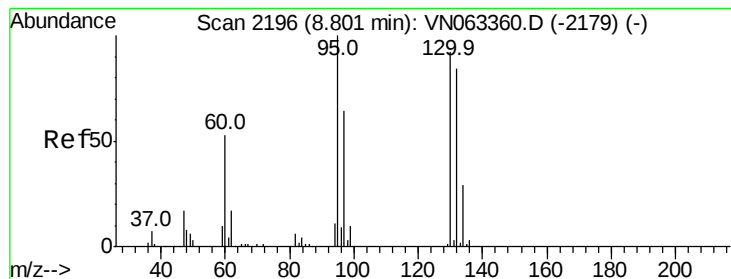


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)





#44

Trichloroethene

Concen: 6.569 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

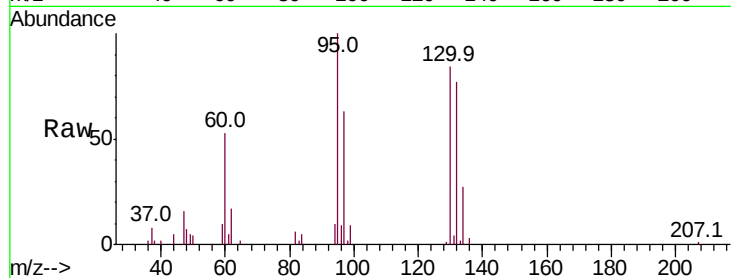
RE134D1-20200915

Tot Ion:130 Resp: 20290

Ion Ratio Lower Upper

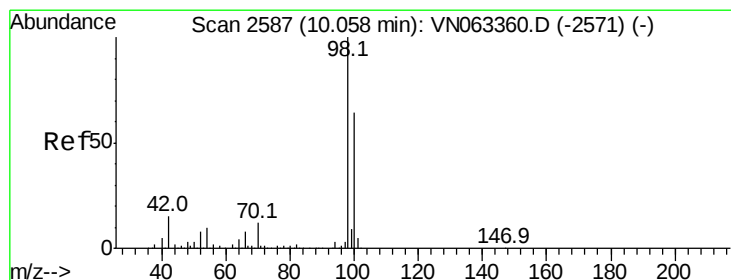
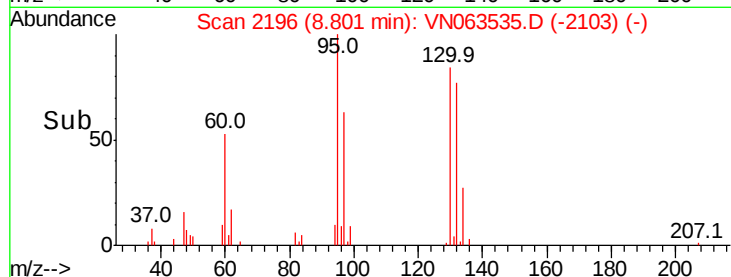
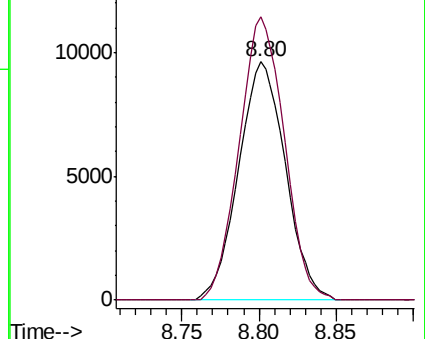
130 100

95 118.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 48.958 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063535.D

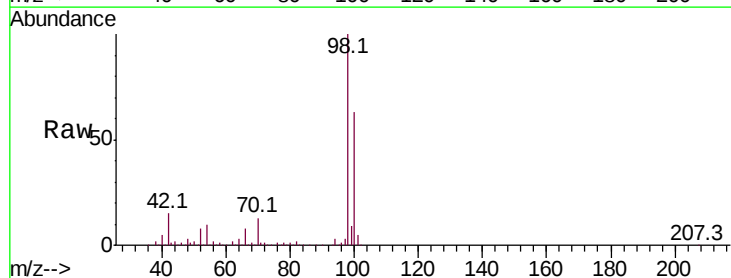
Acq: 22 Sep 2020 16:08

Tgt Ion: 98 Resp: 533677

Ion Ratio Lower Upper

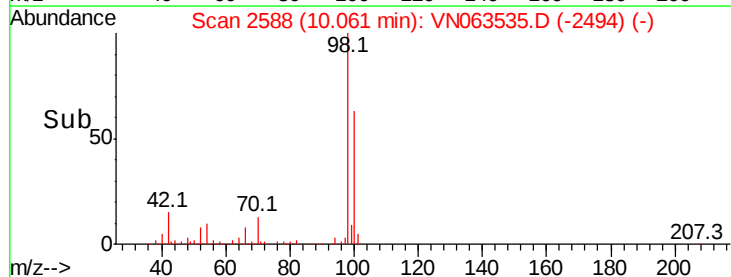
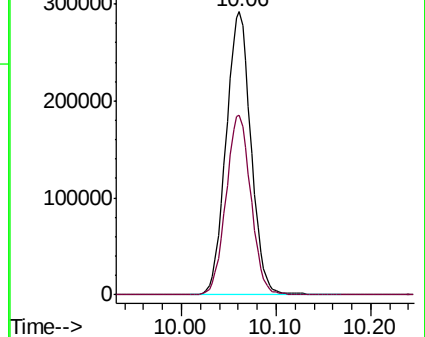
98 100

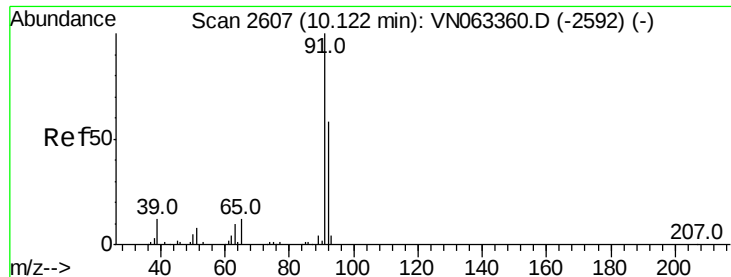
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 0.224 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

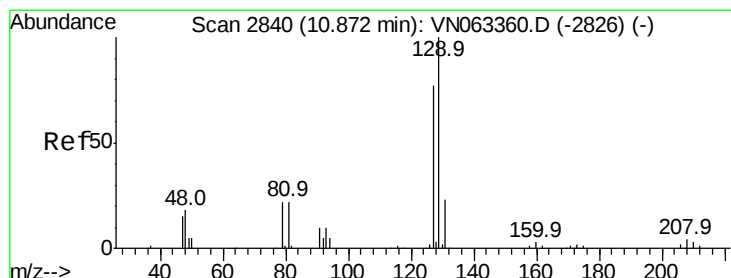
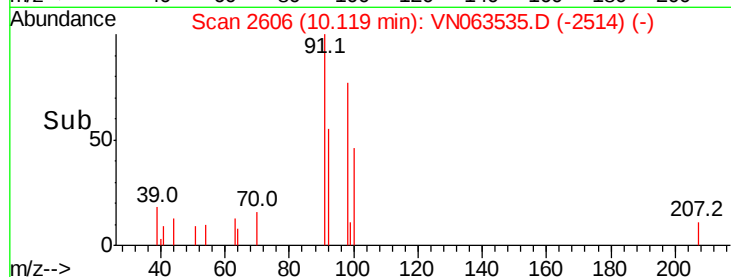
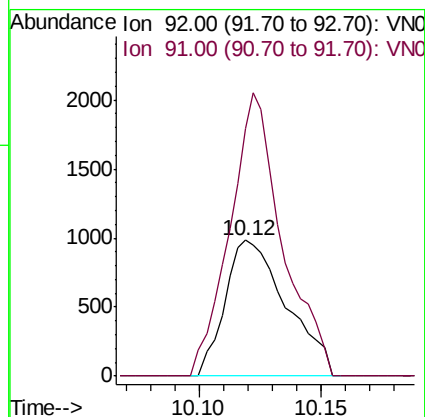
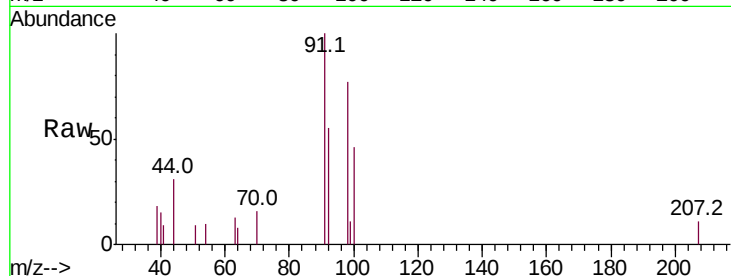
RE134D1-20200915

Tot Ion: 92 Resp: 1717

Ion Ratio Lower Upper

92 100

91 177.6 139.7 209.5



#60

Dibromochloromethane

Concen: 0.754 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. -0.27 min

Lab File: VN063535.D

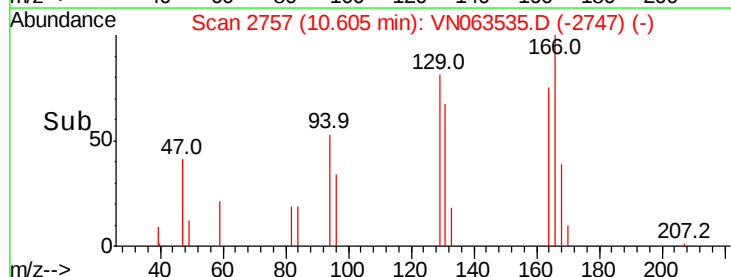
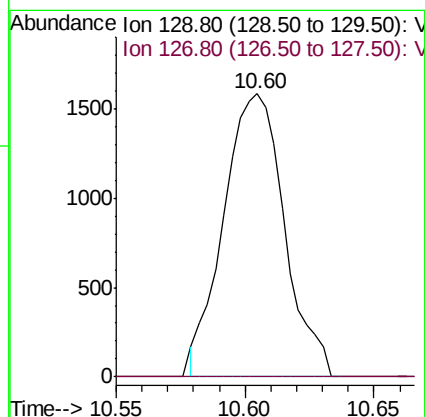
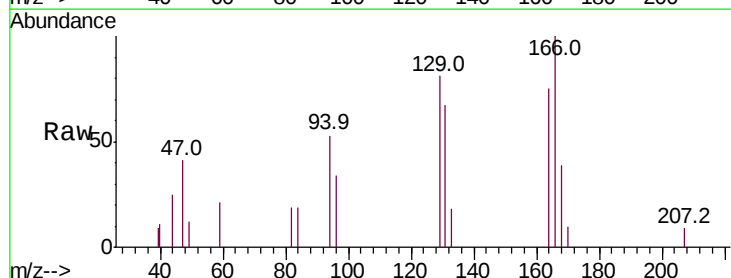
Acq: 22 Sep 2020 16:08

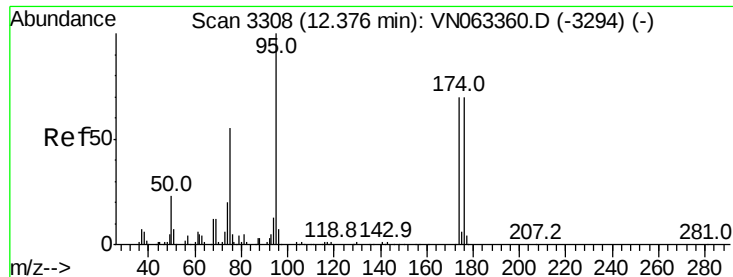
Tgt Ion: 129 Resp: 2590

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#

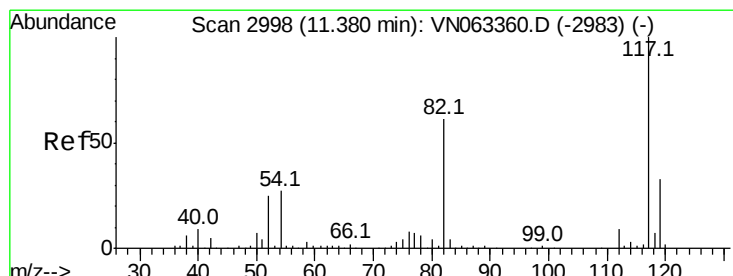
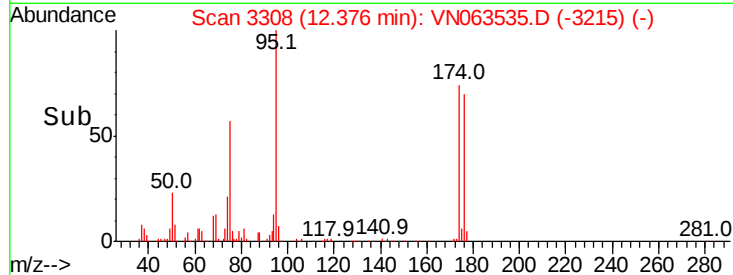
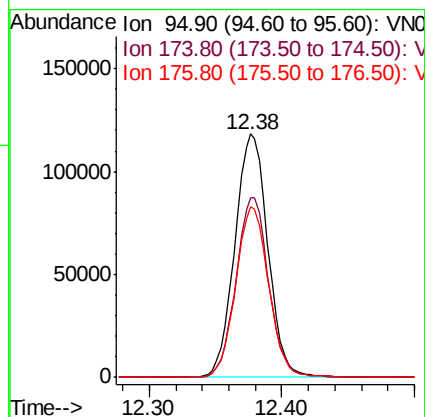
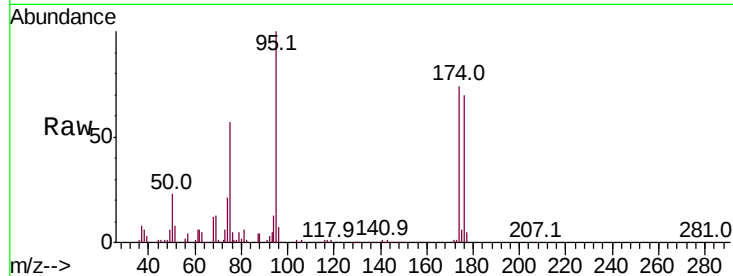




#62
4-Bromofluorobenzene
Concen: 51.129 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063535.D
Acq: 22 Sep 2020 16:08

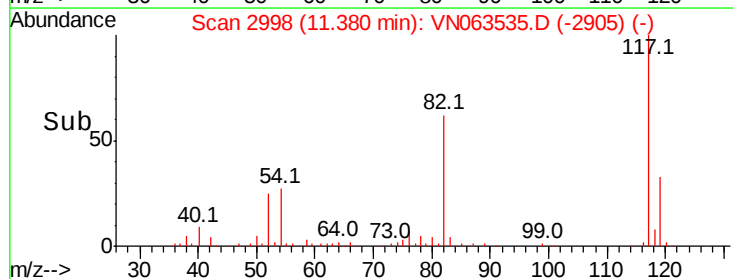
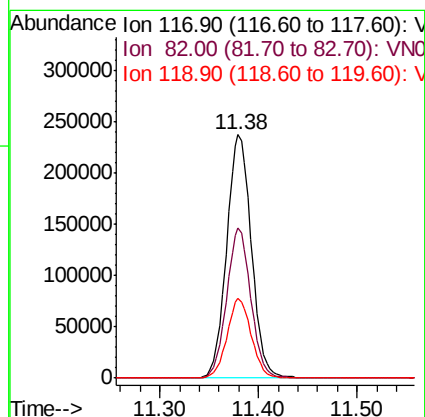
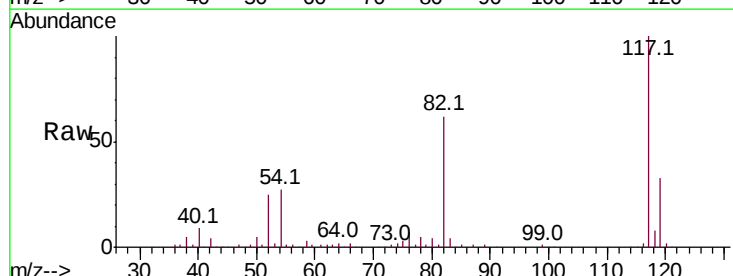
Instrument :
MSVOA_N
ClientSampleId :
RE134D1-20200915

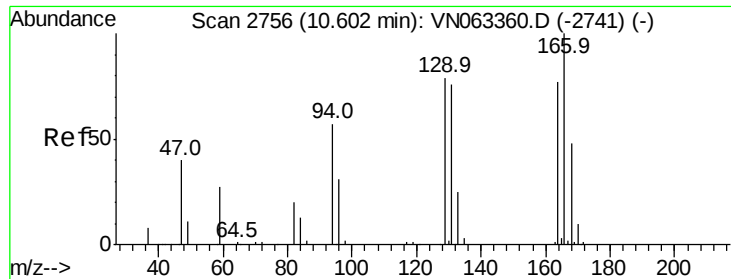
Tot Ion: 95 Resp: 204313
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.8
176 70.0 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063535.D
Acq: 22 Sep 2020 16:08

Tgt Ion: 117 Resp: 417591
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 32.5 26.2 39.4





#64

Tetrachloroethene

Concen: 0.973 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200915

Tot Ion:164 Resp: 2766

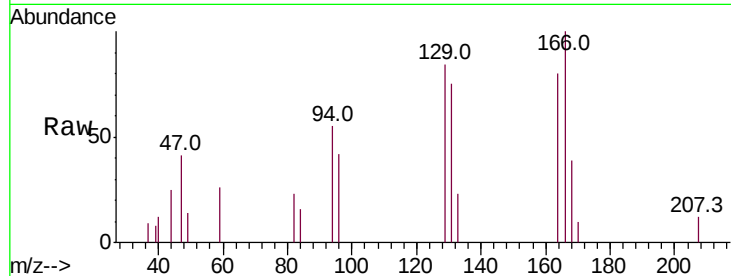
Ion Ratio Lower Upper

164 100

166 125.4 103.4 155.0

129 104.8 81.8 122.6

131 93.7 78.2 117.4



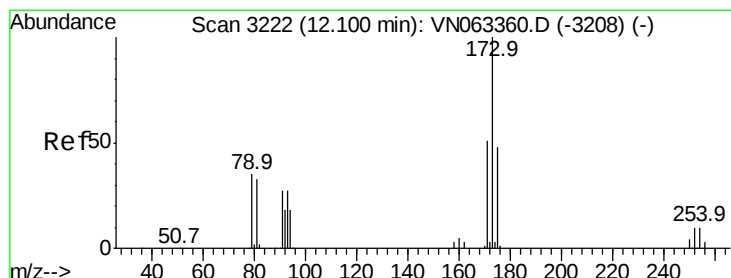
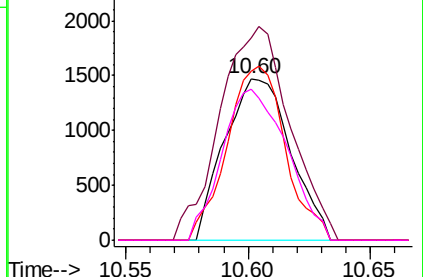
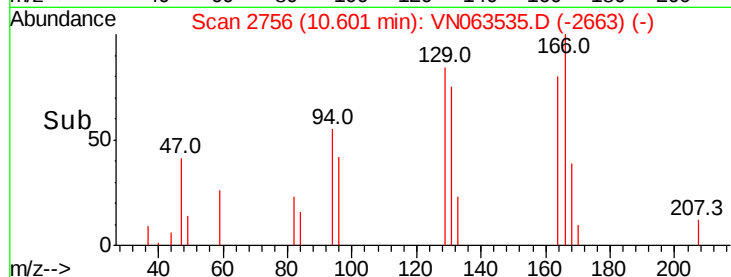
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#71

Bromoform

Concen: 0.555 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

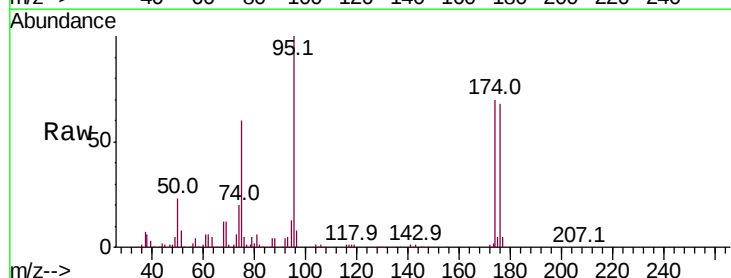
Tgt Ion:173 Resp: 1343

Ion Ratio Lower Upper

173 100

175 714.3 24.0 72.0#

254 0.0 0.0 0.0

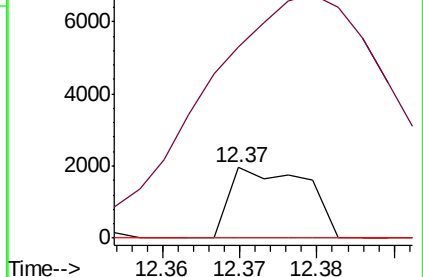
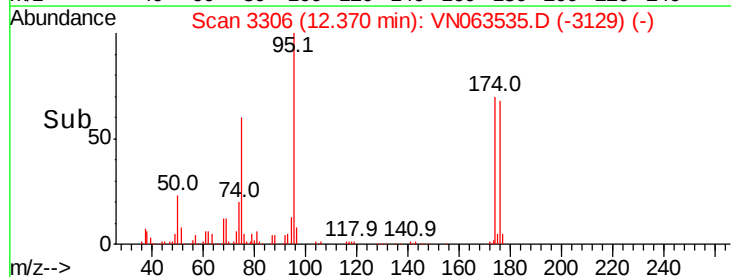


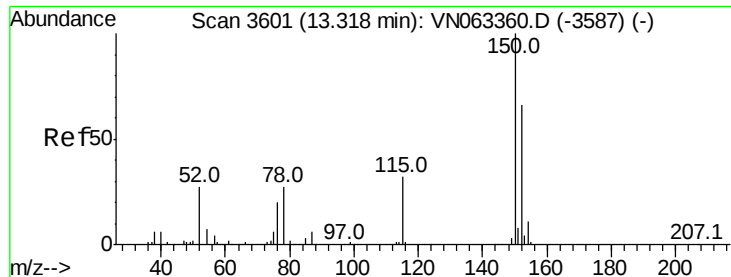
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

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: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200915

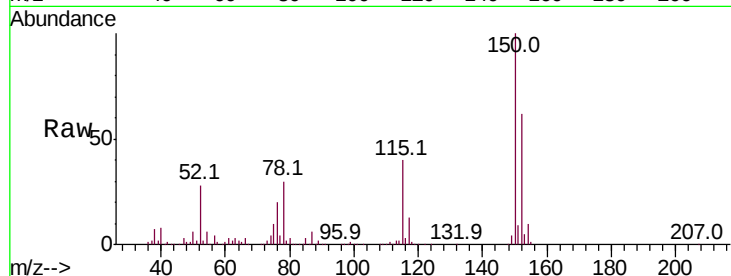
Tot Ion:152 Resp: 174717

Ion Ratio Lower Upper

152 100

115 64.0 32.2 96.6

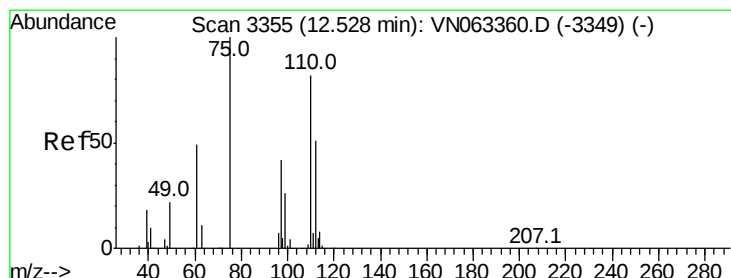
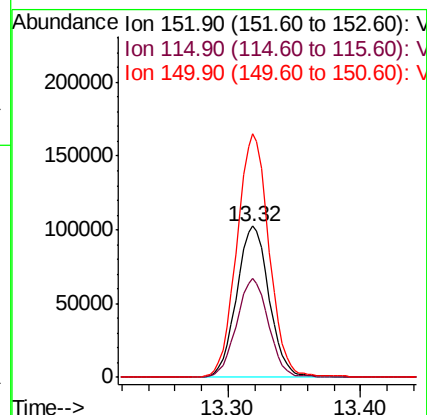
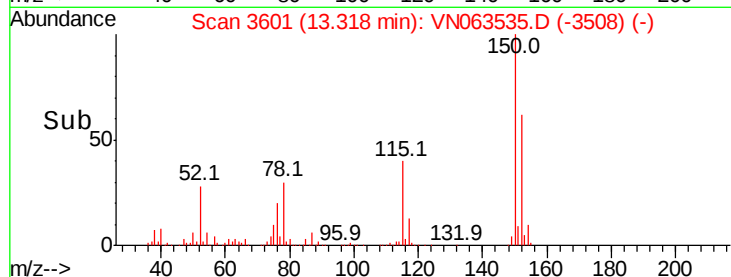
150 159.2 0.0 343.4



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: 27.206 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063535.D

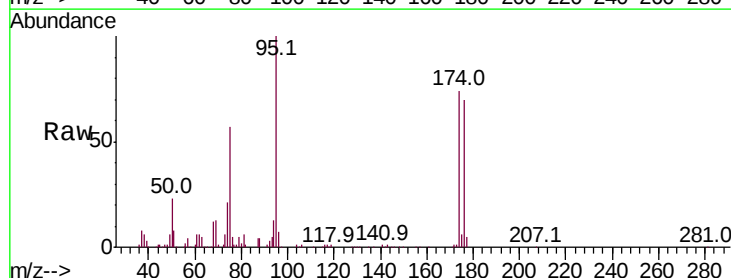
Acq: 22 Sep 2020 16:08

Tgt Ion: 75 Resp: 117653

Ion Ratio Lower Upper

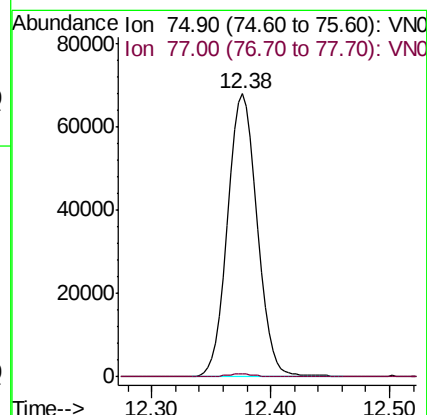
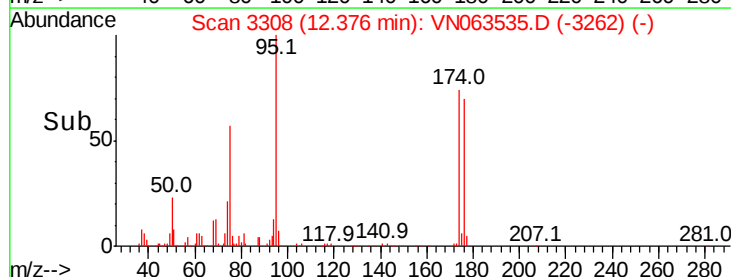
75 100

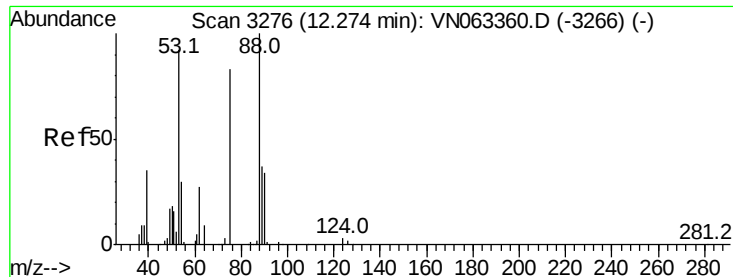
77 1.0 0.0 0.0#



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: 74.589 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063535.D

Acq: 22 Sep 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

RE134D1-20200915

Tot Ion: 75 Resp: 117653

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

