

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063511.D
 Acq On : 22 Sep 2020 2:30
 Operator : JC/MD
 Sample : L4082-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20200915

Quant Time: Sep 22 05:51:19 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

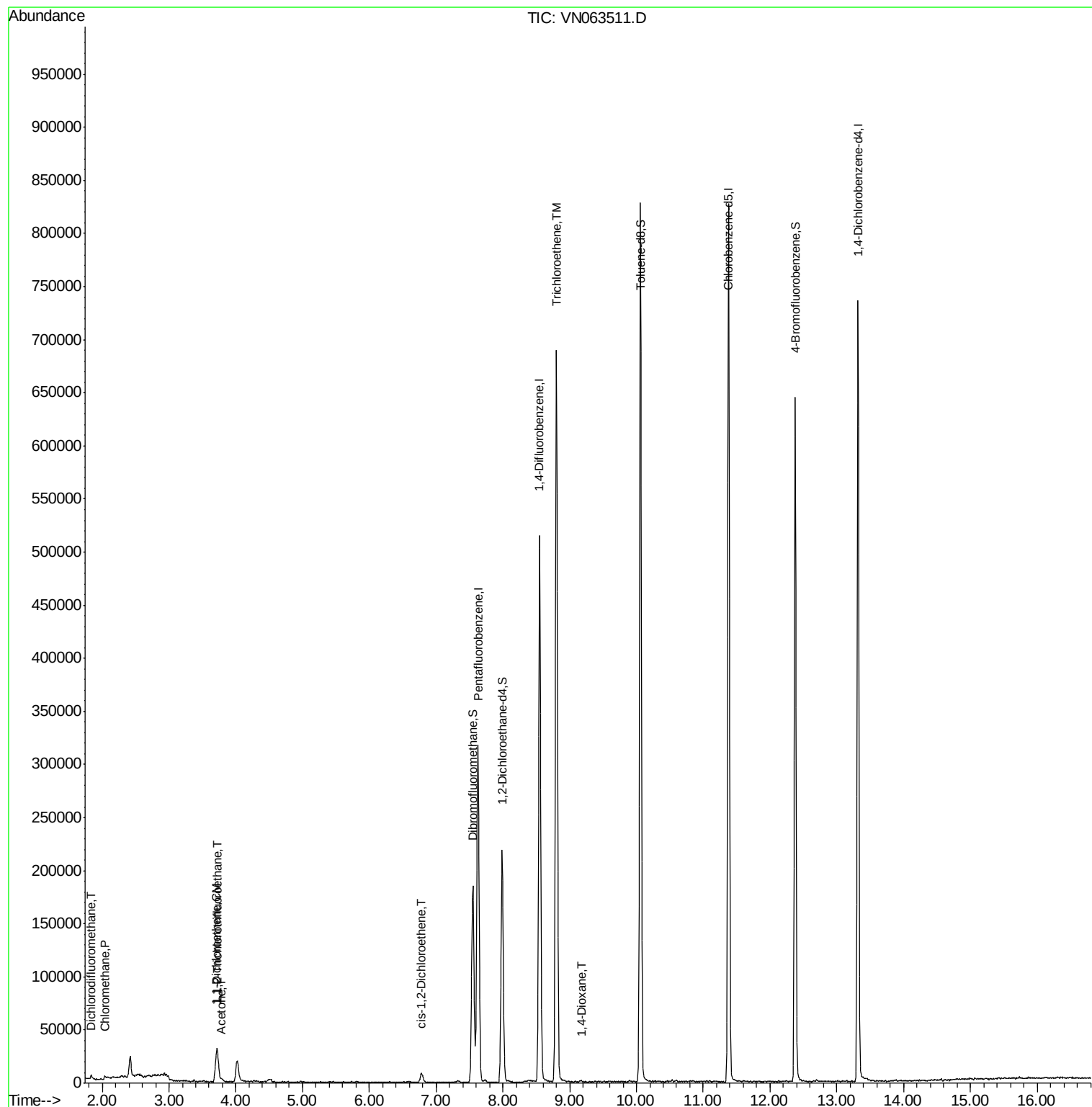
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	230025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	430894	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	435159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179429	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	188312	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
35) Dibromofluoromethane	7.55	113	136253	45.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.36%	
50) Toluene-d8	10.06	98	557610	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.38	95	216885	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1744	0.669	ug/l	79
3) Chloromethane	2.04	50	1826	0.530	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17929	6.996	ug/l	98
12) 1,1-Dichloroethene	3.70	96	3371	1.299	ug/l	96
16) Acetone	3.79	43	4437	3.526	ug/l #	89
27) cis-1,2-Dichloroethene	6.78	96	4933	1.515	ug/l	75
44) Trichloroethene	8.80	130	227413	71.549	ug/l	99
49) 1,4-Dioxane	9.17	88	889	15.651	ug/l #	79

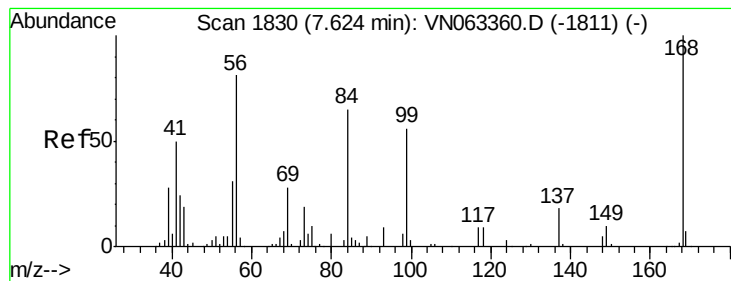
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063511.D

Acq: 22 Sep 2020 2:30

Instrument :

MSVOA_N

ClientSampleId :

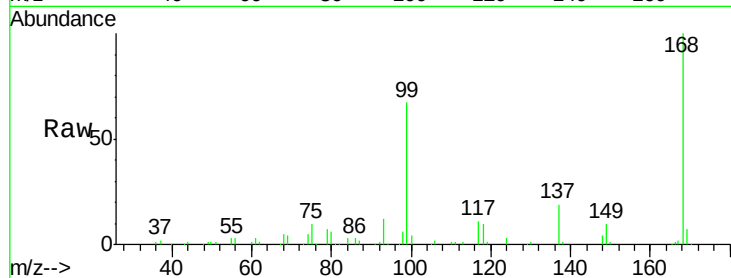
RE105D1-20200915

Tot Ion:168 Resp: 230025

Ion Ratio Lower Upper

168 100

99 66.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

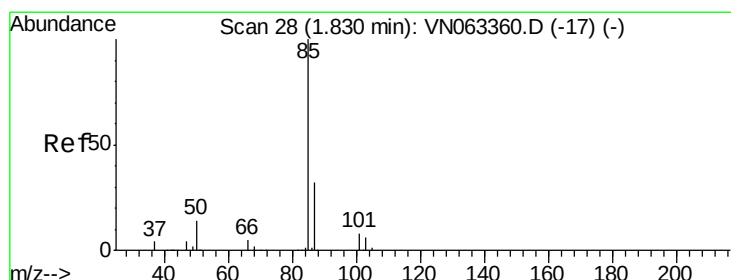
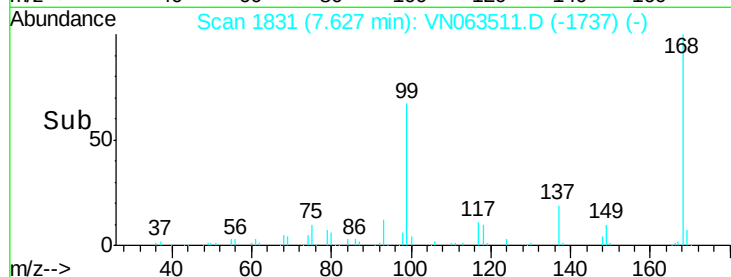
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.669 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063511.D

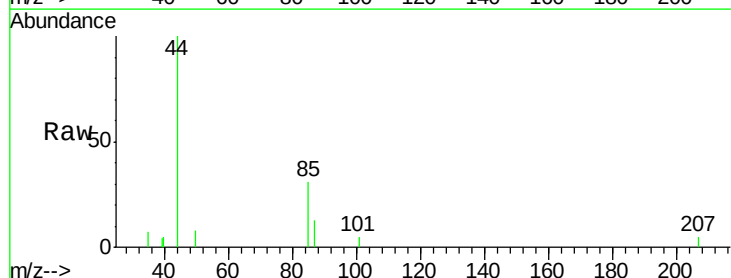
Acq: 22 Sep 2020 2:30

Tgt Ion: 85 Resp: 1744

Ion Ratio Lower Upper

85 100

87 43.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

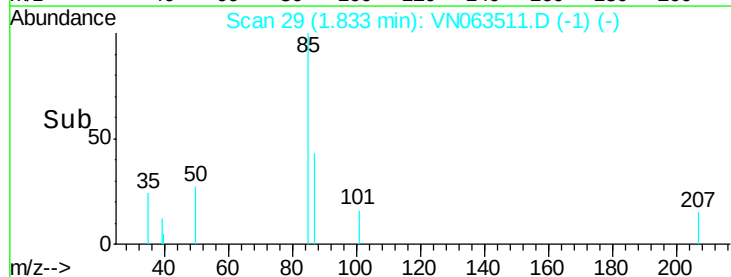
1500

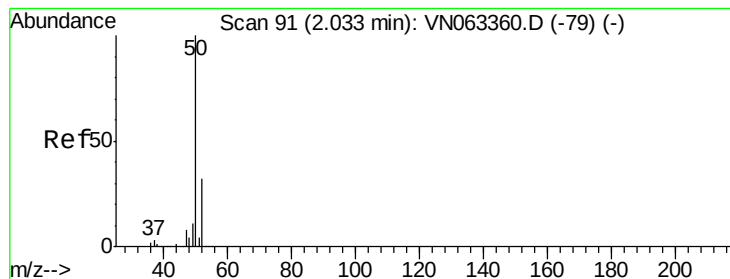
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.530 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

Instrument :

MSVOA_N

ClientSampleId :

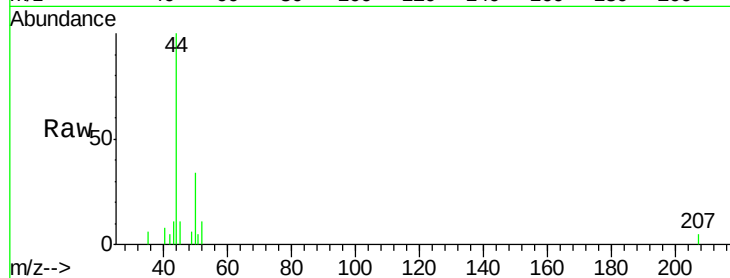
RE105D1-20200915

Tot Ion: 50 Resp: 1826

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

1200

1000

800

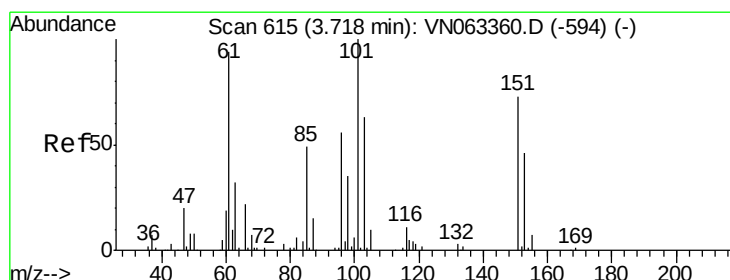
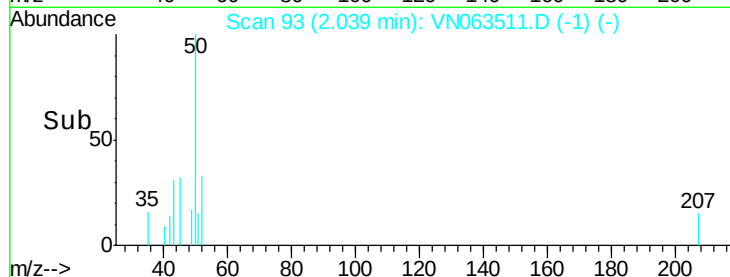
600

400

200

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.996 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

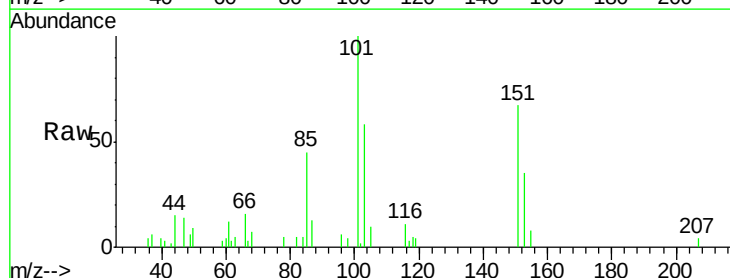
Tgt Ion: 101 Resp: 17929

Ion Ratio Lower Upper

101 100

85 44.6 37.7 56.5

151 71.5 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

8000

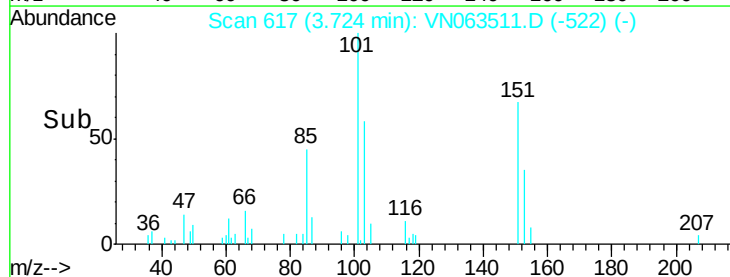
6000

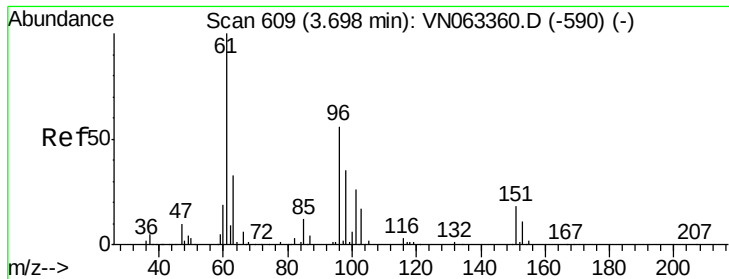
4000

2000

0

Time-->





#12

1,1-Dichloroethene

Concen: 1.299 ug/l

RT: 3.70 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20200915

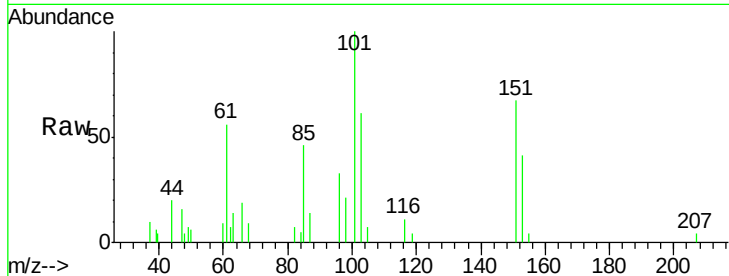
Tot Ion: 96 Resp: 3371

Ion Ratio Lower Upper

96 100

61 171.6 143.4 215.2

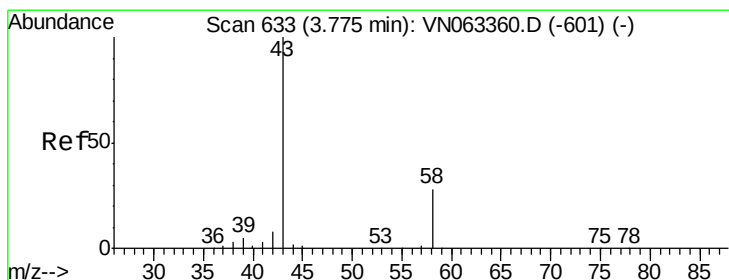
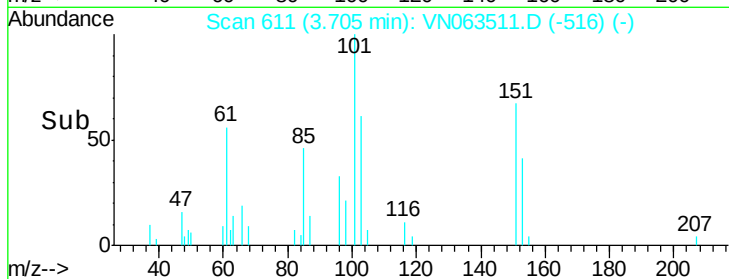
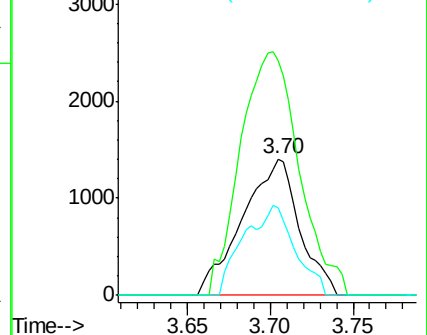
98 63.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#16

Acetone

Concen: 3.526 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063511.D

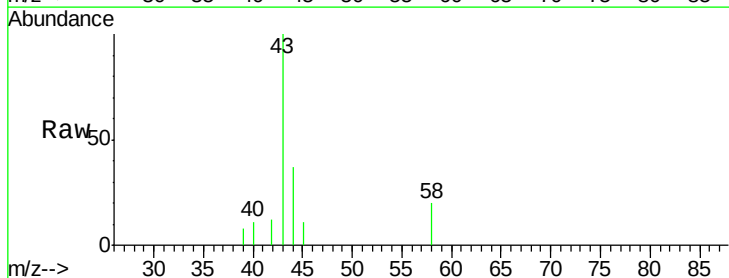
Acq: 22 Sep 2020 2:30

Tgt Ion: 43 Resp: 4437

Ion Ratio Lower Upper

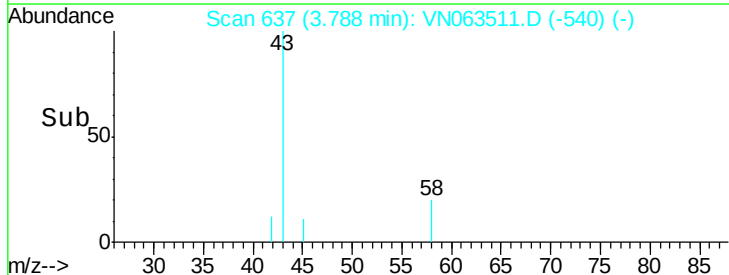
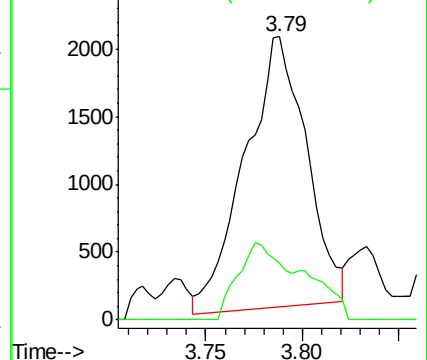
43 100

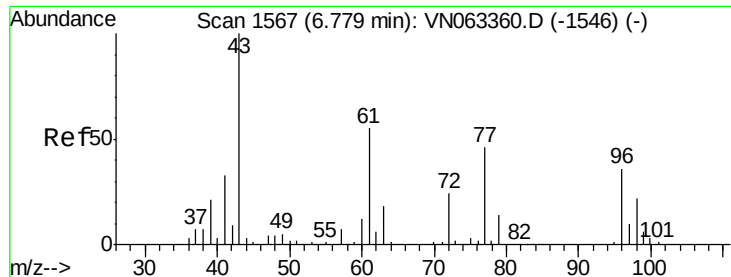
58 22.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 1.515 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20200915

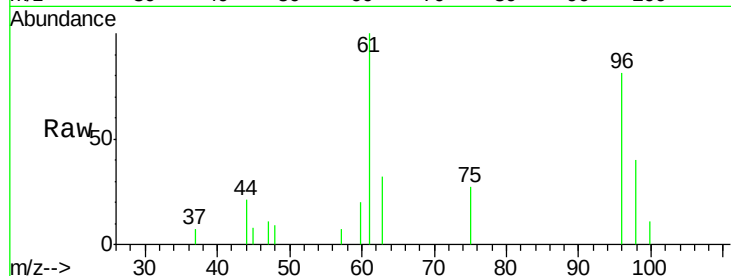
Tot Ion: 96 Resp: 4933

Ion Ratio Lower Upper

96 100

61 131.1 0.0 319.6

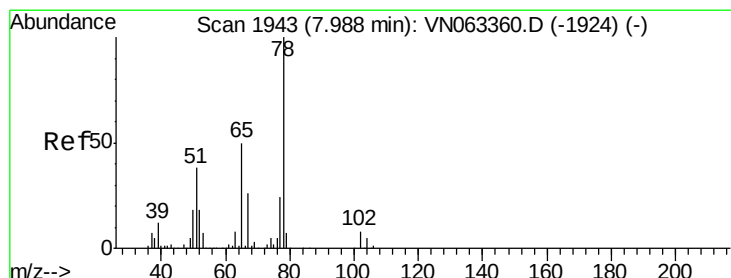
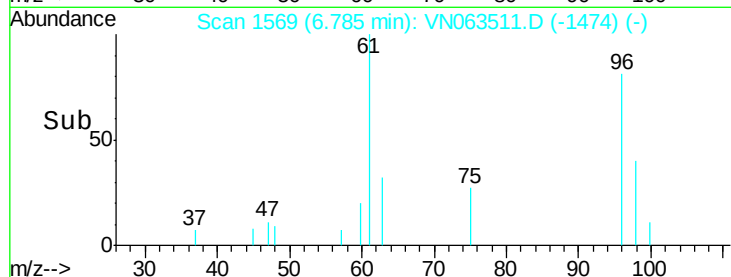
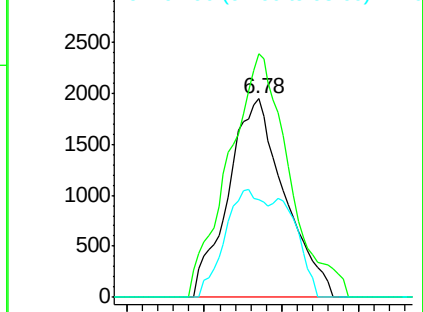
98 39.1 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN063360.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN063360.D (-1546) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.092 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063511.D

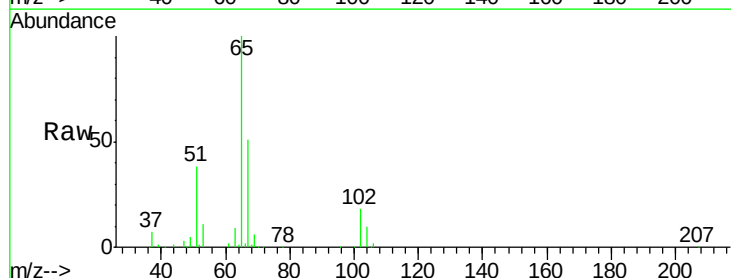
Acq: 22 Sep 2020 2:30

Tgt Ion: 65 Resp: 188312

Ion Ratio Lower Upper

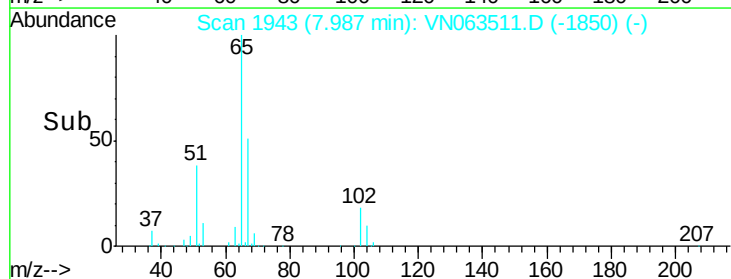
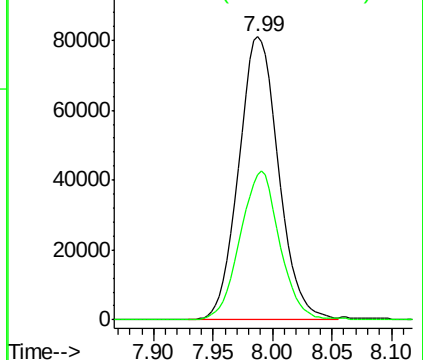
65 100

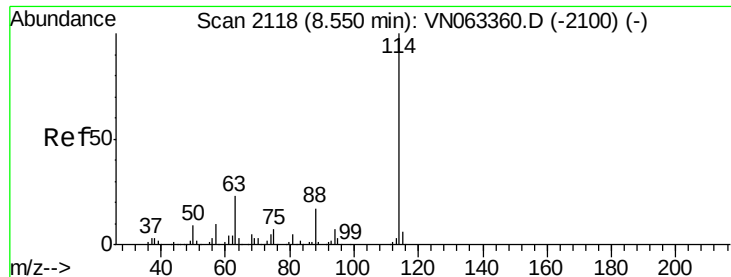
67 52.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

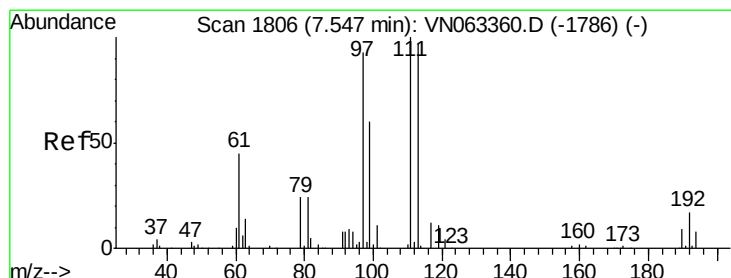
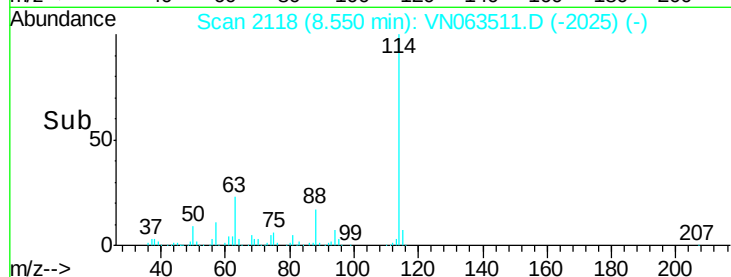
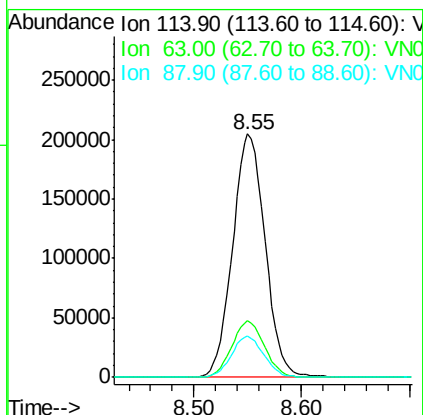
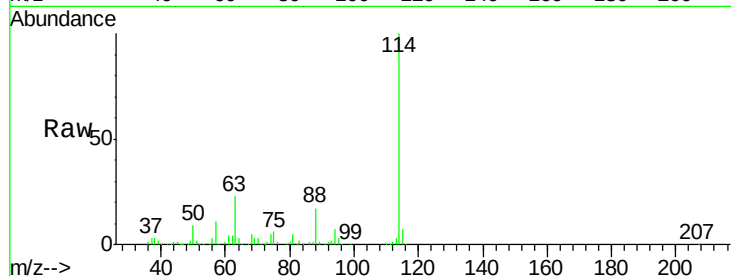




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063511.D
 Acq: 22 Sep 2020 2:30

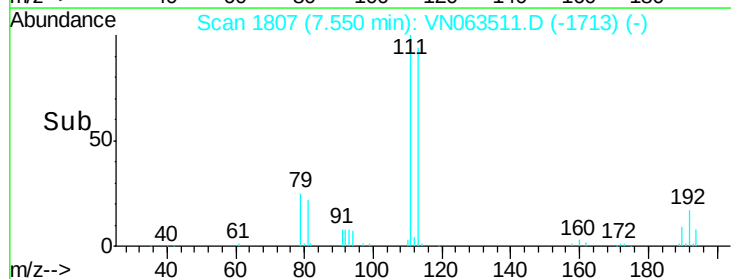
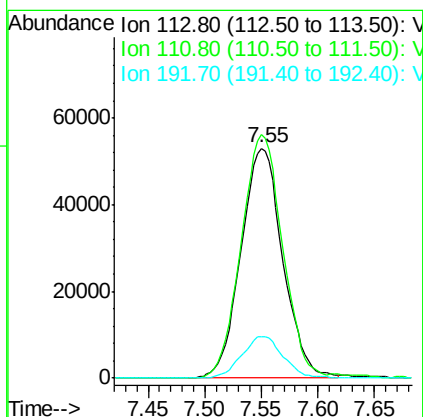
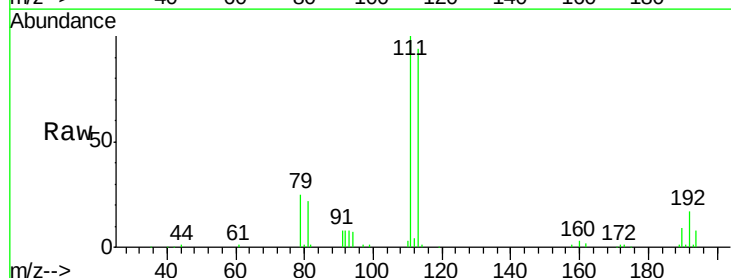
Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20200915

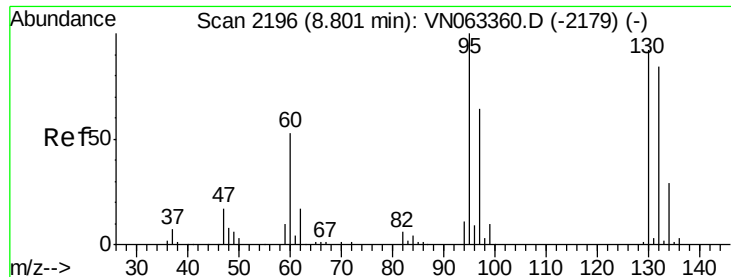
Tot Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	46.4
88	16.8	0.0	33.2



#35
 Dibromofluoromethane
 Concen: 45.677 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063511.D
 Acq: 22 Sep 2020 2:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.9	124.3
192	17.8	13.9	20.9





#44

Trichloroethene

Concen: 71.549 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

Instrument :

MSVOA_N

ClientSampleId :

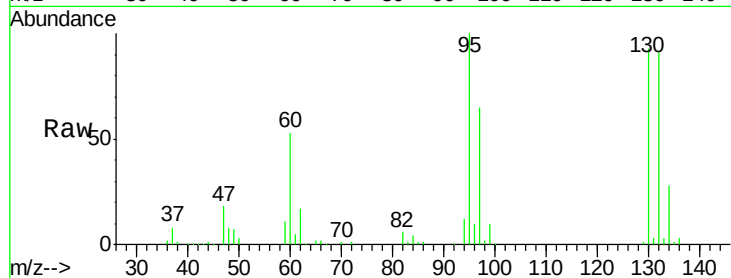
RE105D1-20200915

Tot Ion:130 Resp: 227413

Ion Ratio Lower Upper

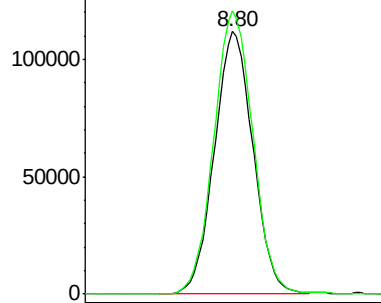
130 100

95 107.8 0.0 217.4

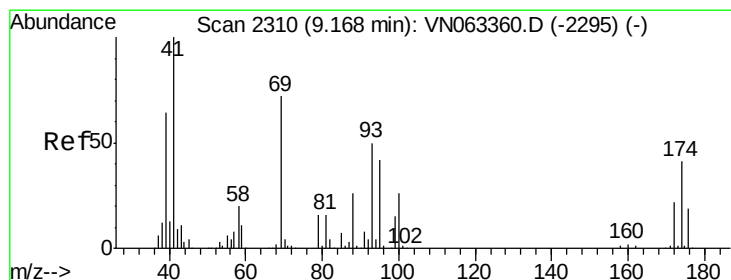
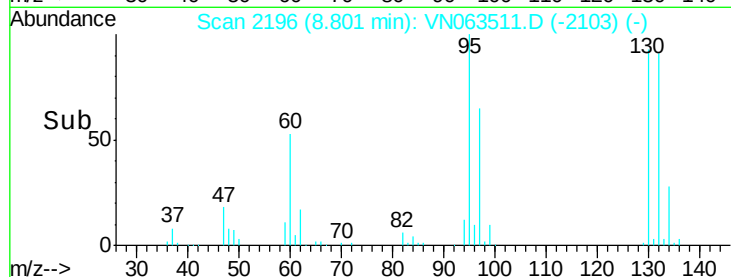


Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



Time-->



#49

1,4-Dioxane

Concen: 15.651 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

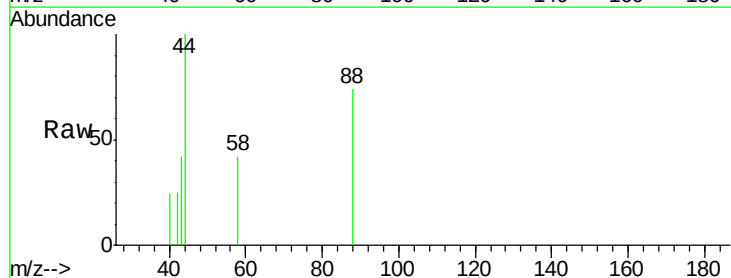
Tgt Ion: 88 Resp: 889

Ion Ratio Lower Upper

88 100

43 28.0 32.6 49.0#

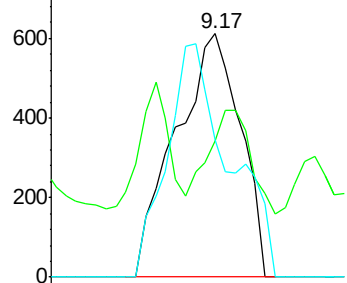
58 92.5 60.0 90.0#



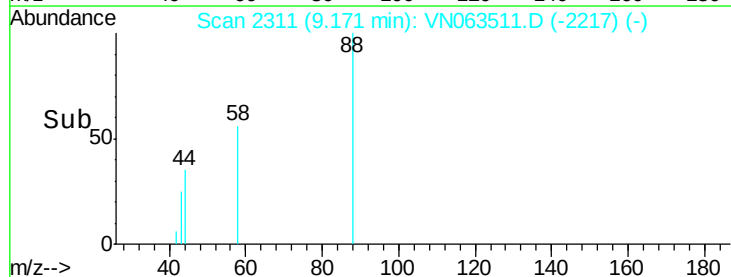
Abundance Ion 88.00 (87.70 to 88.70): VNO

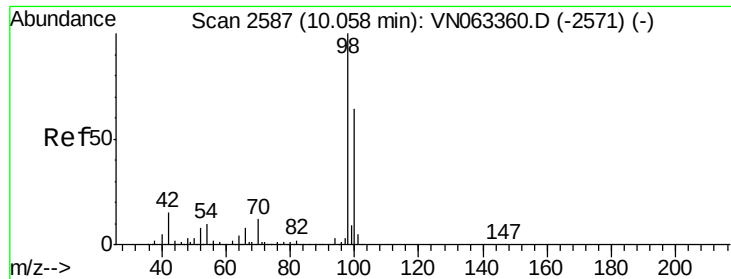
Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



Time-->





#50

Toluene-d8

Concen: 49.713 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

Instrument :

MSVOA_N

ClientSampleId :

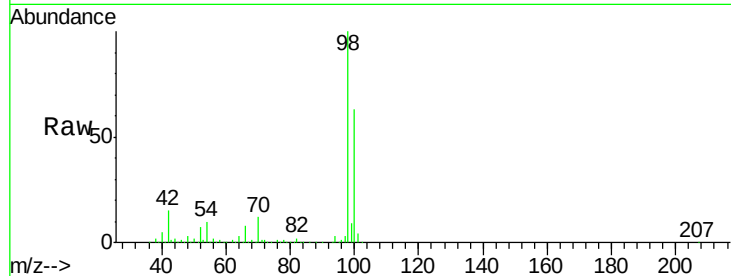
RE105D1-20200915

Tot Ion: 98 Resp: 557610

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



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

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

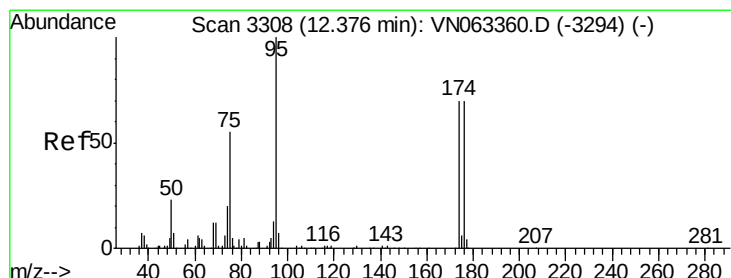
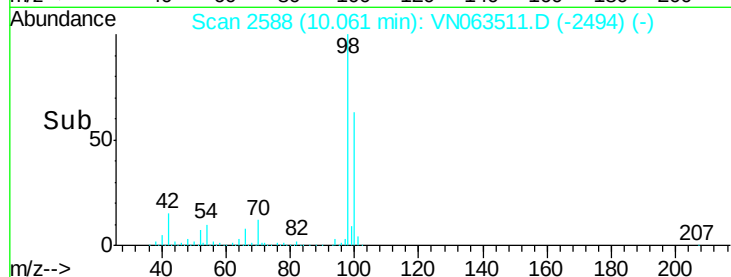
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.747 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063511.D

Acq: 22 Sep 2020 2:30

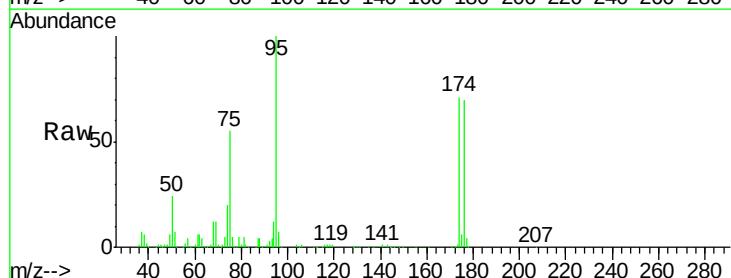
Tgt Ion: 95 Resp: 216885

Ion Ratio Lower Upper

95 100

174 71.5 0.0 140.8

176 68.9 0.0 137.6



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

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)

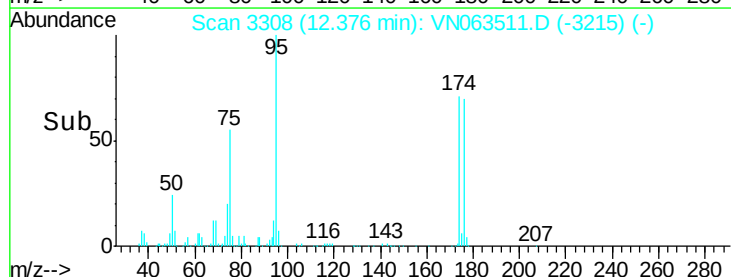
150000

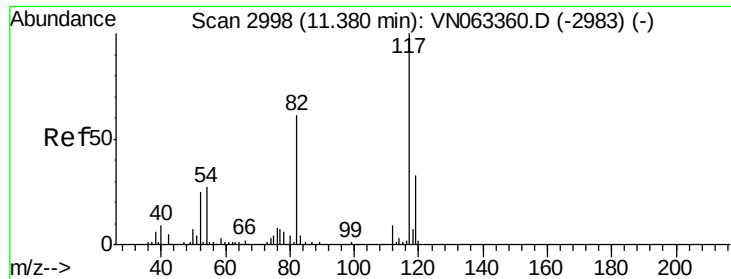
100000

50000

0

Time-->

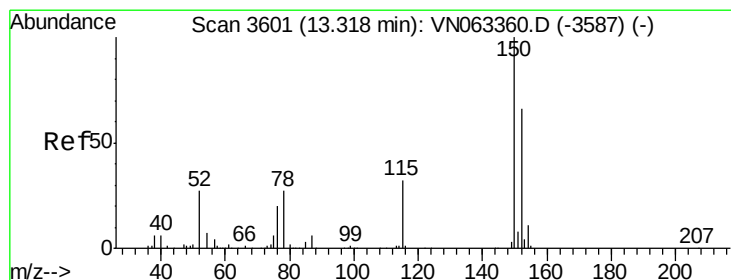
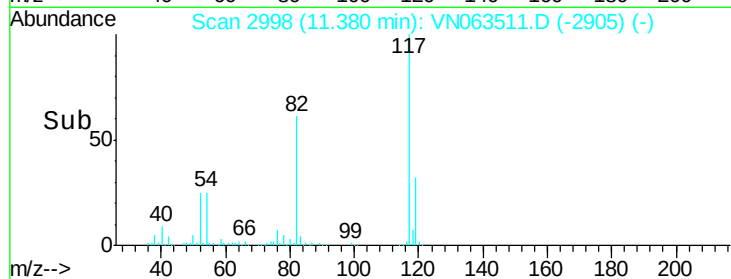
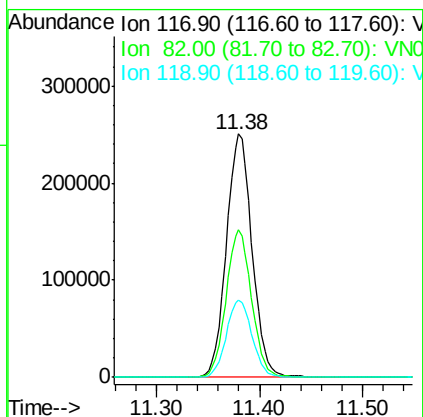
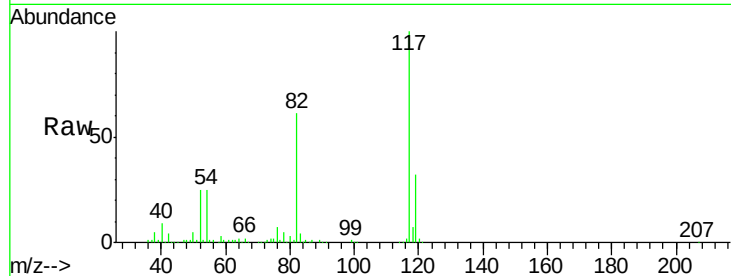




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063511.D
Acq: 22 Sep 2020 2:30

Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20200915

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	49.2	73.8
119	31.8	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: VN063511.D
Acq: 22 Sep 2020 2:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.2	96.6
150	158.6	0.0	343.4

