

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061880.D
 Acq On : 18 Jun 2020 4:41
 Operator : JC/MD
 Sample : L3011-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20200612

Quant Time: Jun 18 07:09:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	132768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	233493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92260	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	89676	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	7.55	113	78430	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
50) Toluene-d8	10.06	98	305038	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.38	95	98807	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	

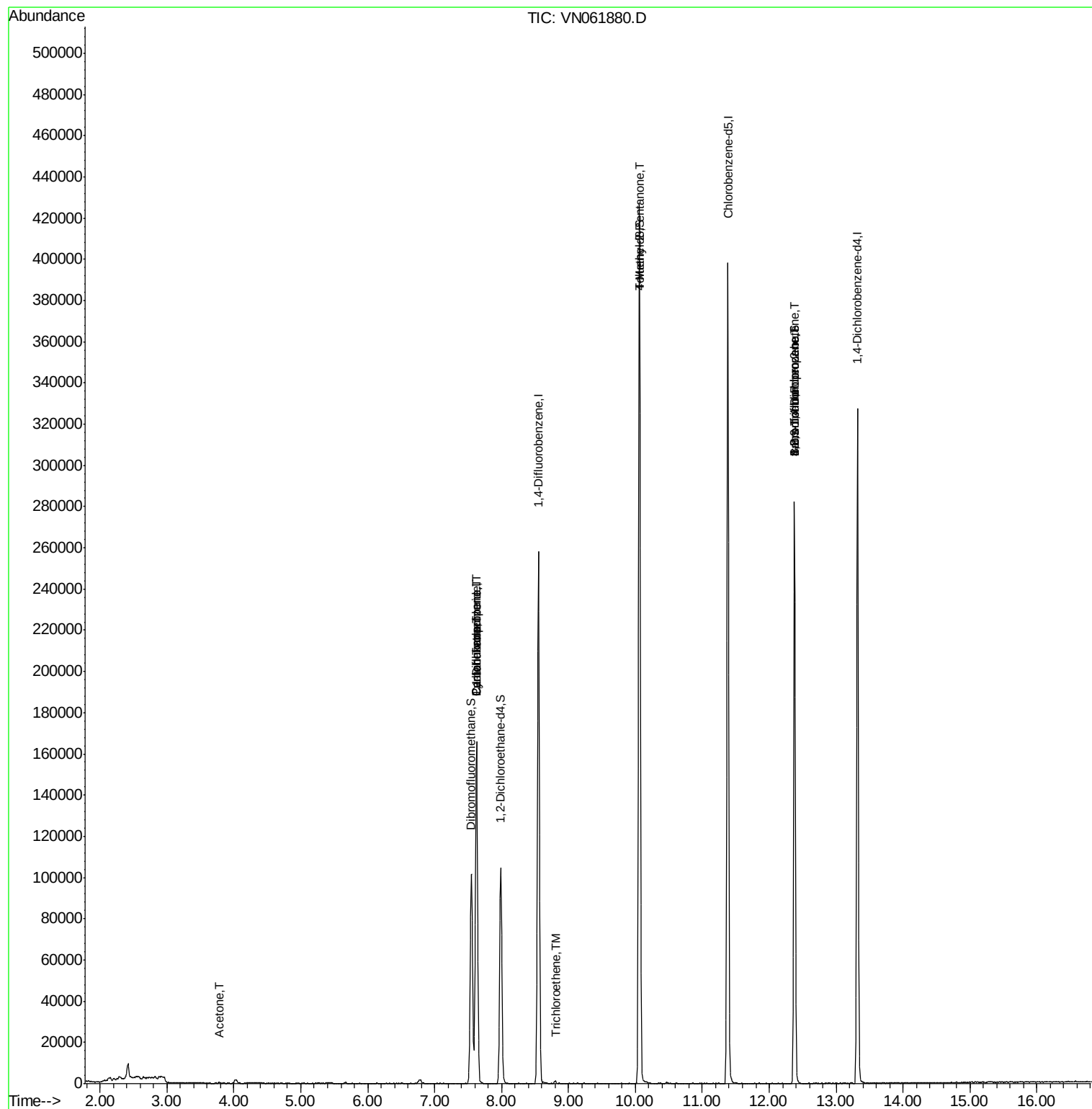
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	811	1.542	ug/l #	40
31) Cyclohexane	7.62	56	2859	1.218	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	10143	4.591	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13302	6.080	ug/l #	16
44) Trichloroethene	8.80	130	519	0.295	ug/l	91
51) 4-Methyl-2-Pentanone	10.06	43	1024	0.596	ug/l #	1
71) Bromoform	12.38	173	738	0.589	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49893	27.546	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49893	75.128	ug/l #	14

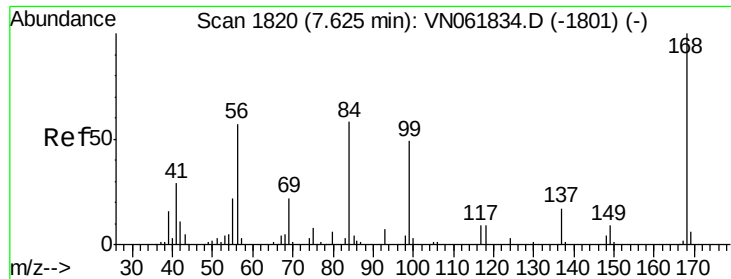
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

Instrument :

MSVOA_N

ClientSampleId :

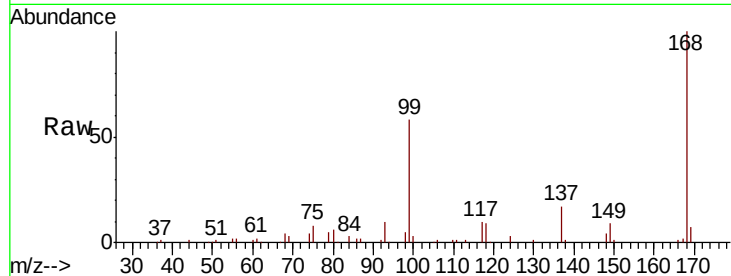
RE123D3-20200612

Tot Ion:168 Resp: 132768

Ion Ratio Lower Upper

168 100

99 57.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061880.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061880.D (-1727) (-)

7.63

60000

50000

40000

30000

20000

10000

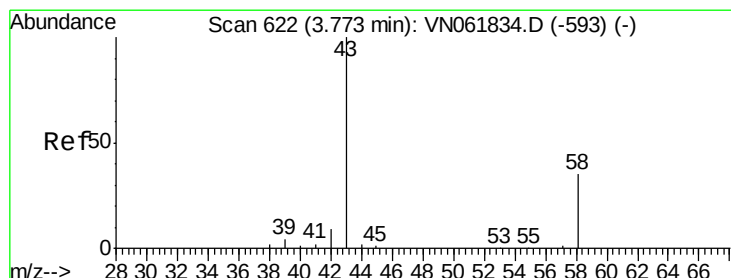
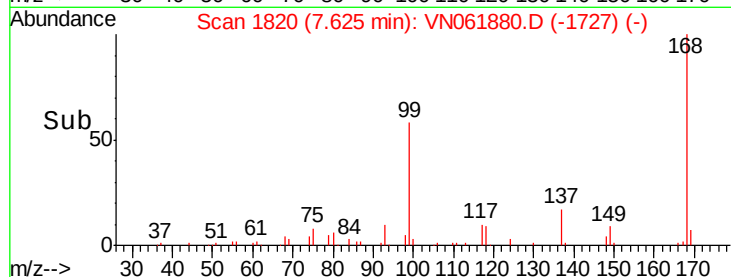
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 1.542 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061880.D

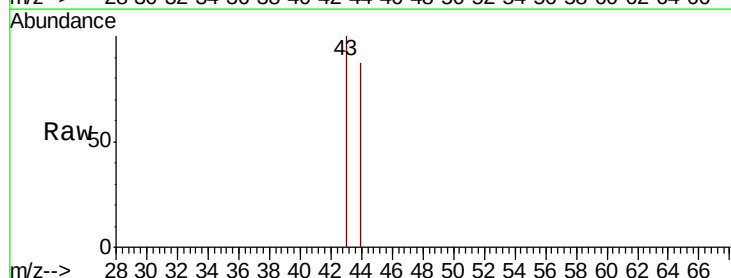
Acq: 18 Jun 2020 4:41

Tgt Ion: 43 Resp: 811

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061880.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061880.D (-529) (-)

3.78

400

300

200

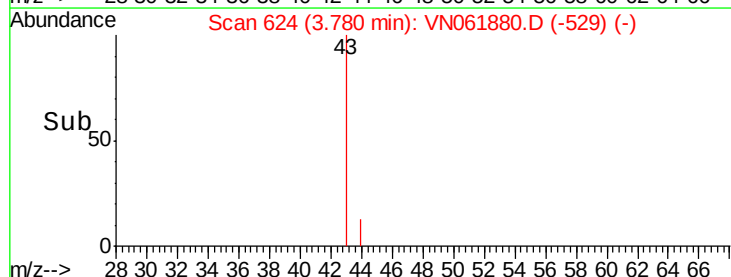
100

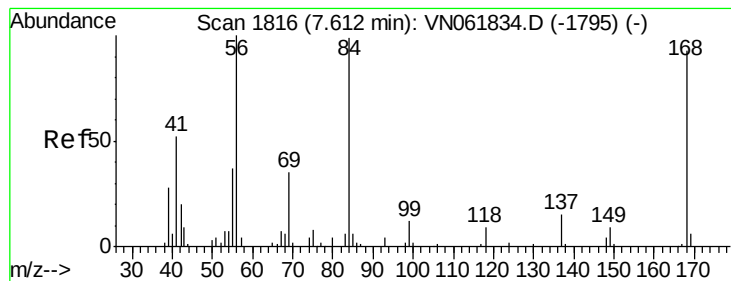
0

3.75

3.80

Time-->





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20200612

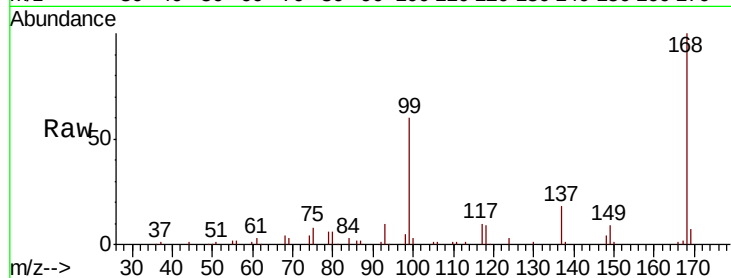
Tot Ion: 56 Resp: 2859

Ion Ratio Lower Upper

56 100

69 152.6 27.7 41.5#

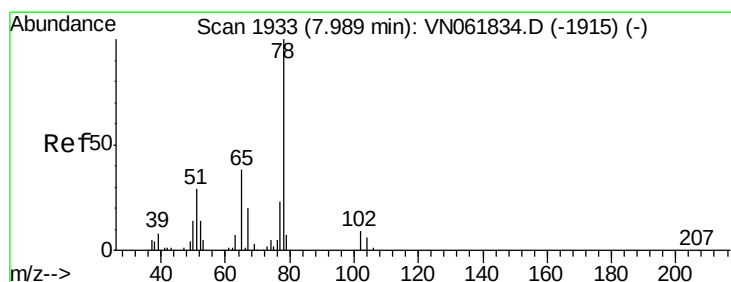
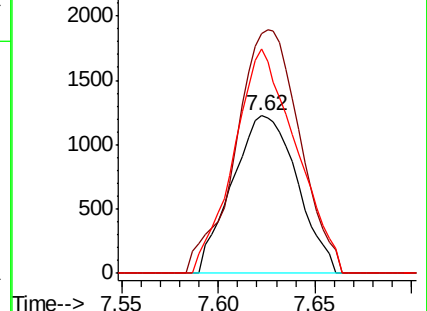
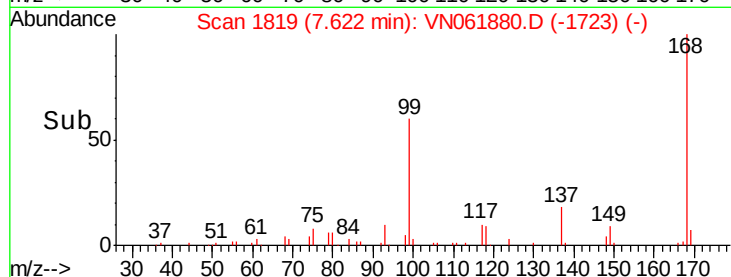
84 142.8 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061880.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061880.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061880.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.362 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061880.D

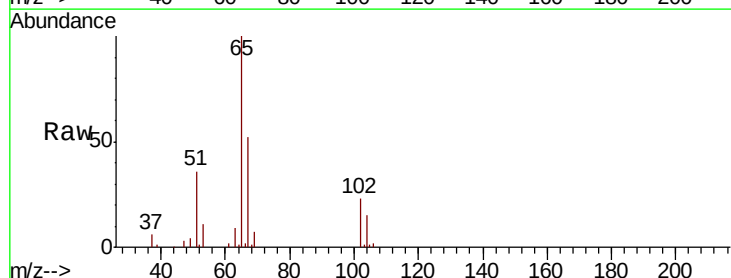
Acq: 18 Jun 2020 4:41

Tgt Ion: 65 Resp: 89676

Ion Ratio Lower Upper

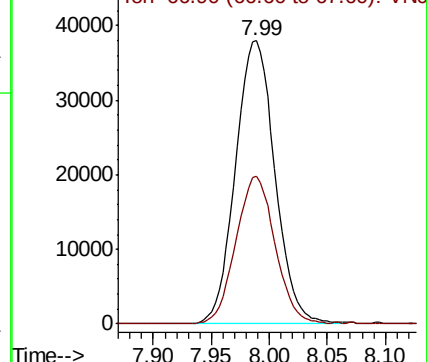
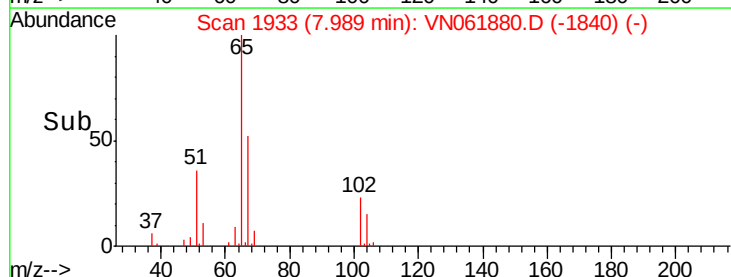
65 100

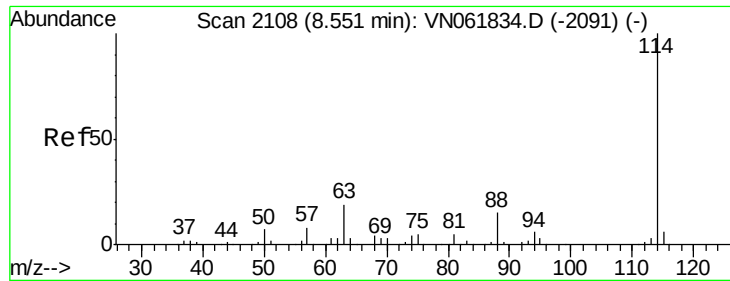
67 51.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061880.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061880.D (-1840) (-)

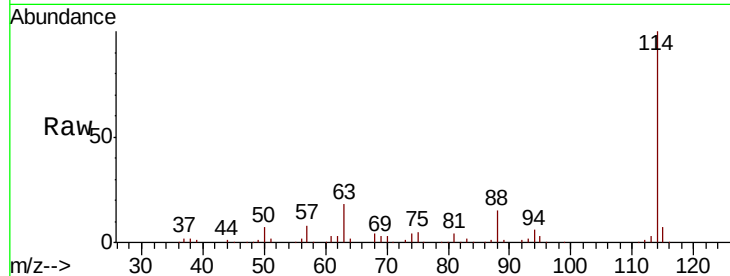




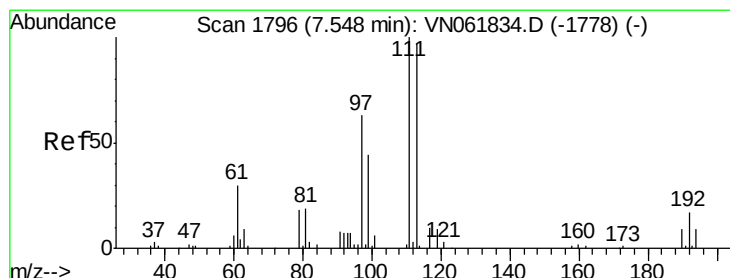
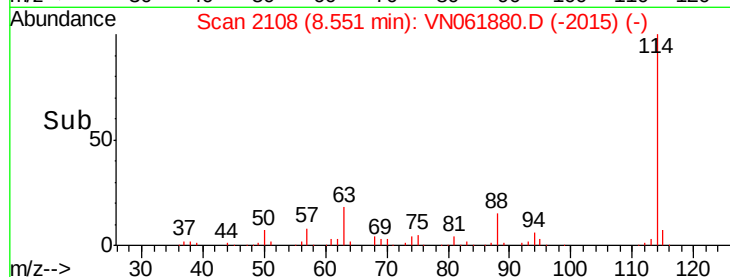
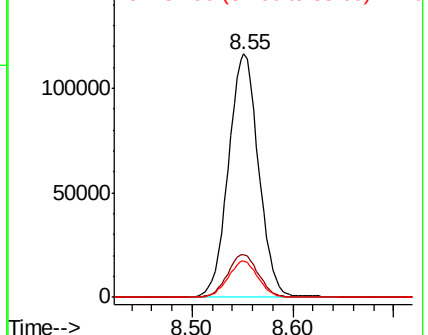
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061880.D
Acq: 18 Jun 2020 4:41

Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20200612

Tot Ion:114 Resp: 242219
Ion Ratio Lower Upper
114 100
63 17.6 0.0 37.6
88 15.0 0.0 31.0

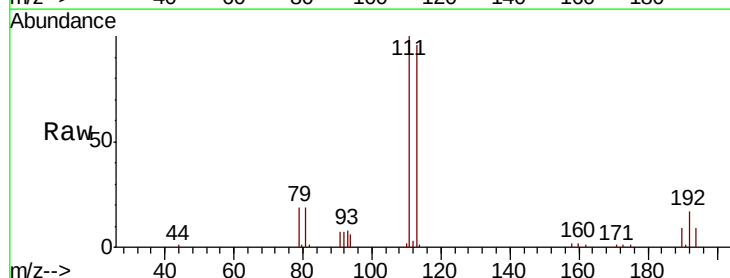


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

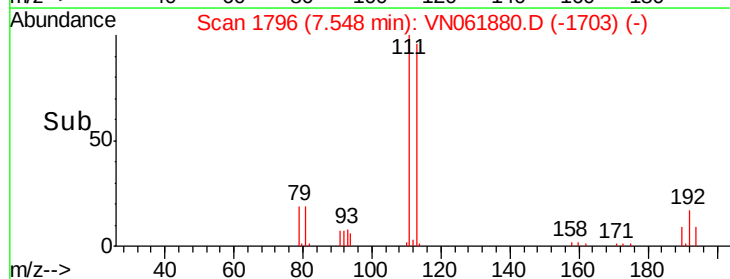
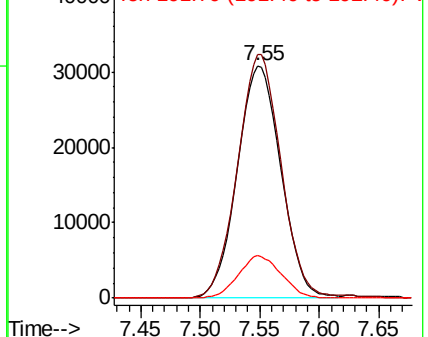


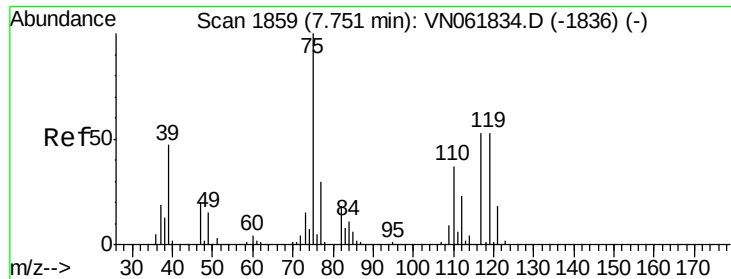
#35
Dibromofluoromethane
Concen: 50.613 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061880.D
Acq: 18 Jun 2020 4:41

Tgt Ion:113 Resp: 78430
Ion Ratio Lower Upper
113 100
111 104.4 83.7 125.5
192 17.9 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

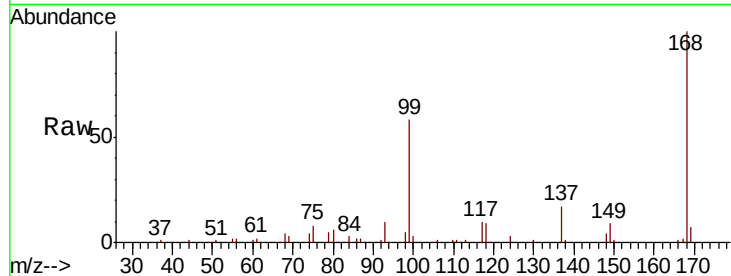




#36
 1,1-Dichloropropene
 Concen: 4.591 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061880.D
 Acq: 18 Jun 2020 4:41

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D3-20200612

Tot Ion	75	Resp	10143
Ion Ratio	Lower	Upper	
75	100		
110	7.1	18.2	54.6#
77	0.0	24.2	36.4#

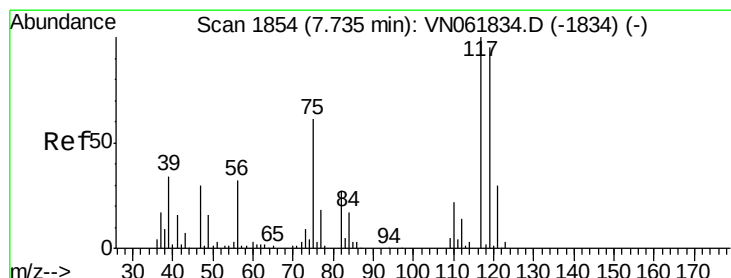
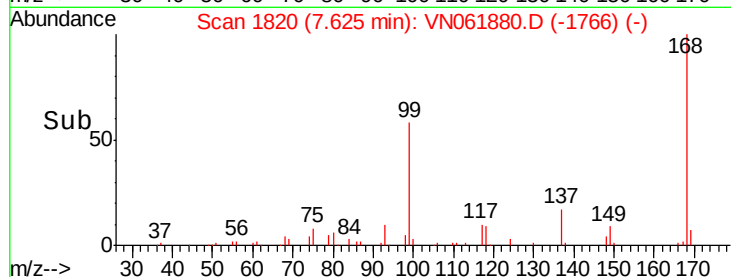
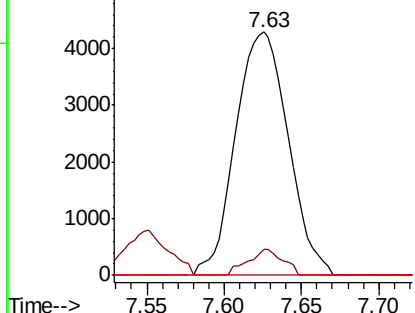


Abundance

Ion 74.90 (74.60 to 75.60): VN0

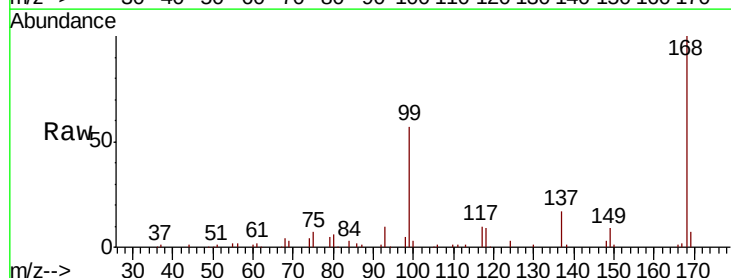
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38
 Carbon Tetrachloride
 Concen: 6.080 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061880.D
 Acq: 18 Jun 2020 4:41

Tgt Ion	117	Resp	13302
Ion Ratio	Lower	Upper	
117	100		
119	4.3	75.8	113.6#
121	0.0	23.8	35.6#

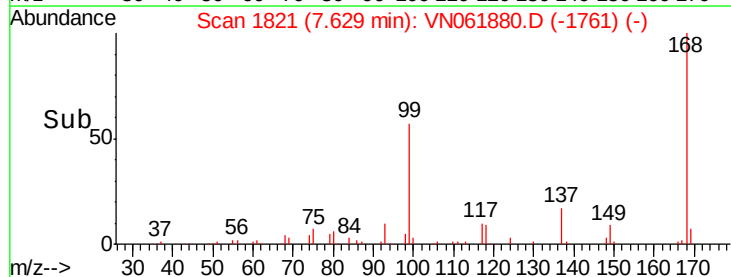
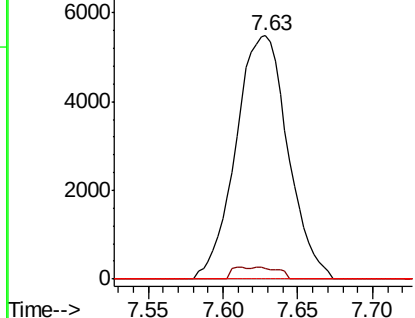


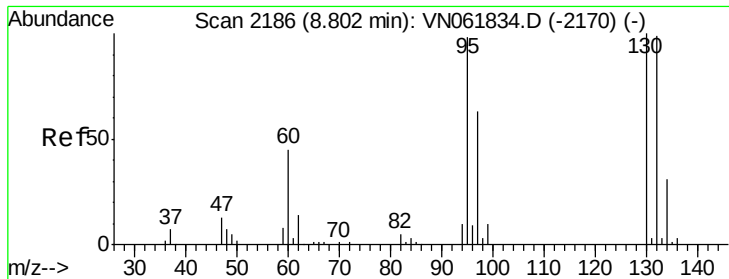
Abundance

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: 0.295 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

Instrument :

MSVOA_N

ClientSampleId :

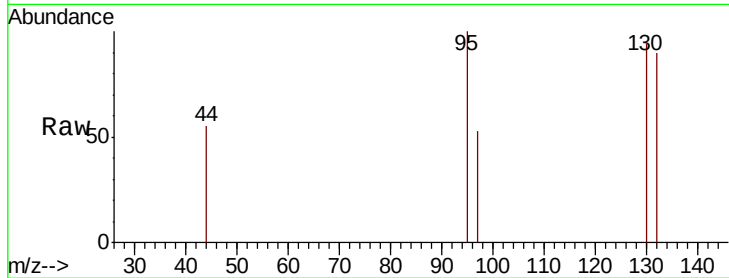
RE123D3-20200612

Tot Ion:130 Resp: 519

Ion Ratio Lower Upper

130 100

95 106.2 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

400

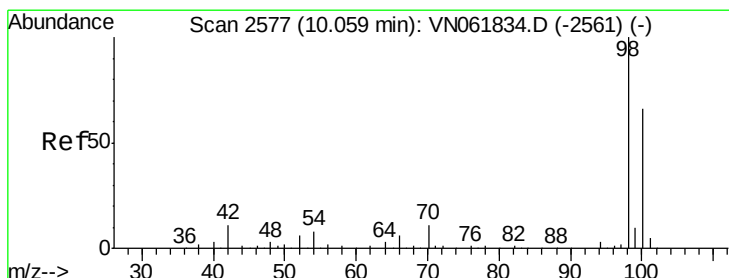
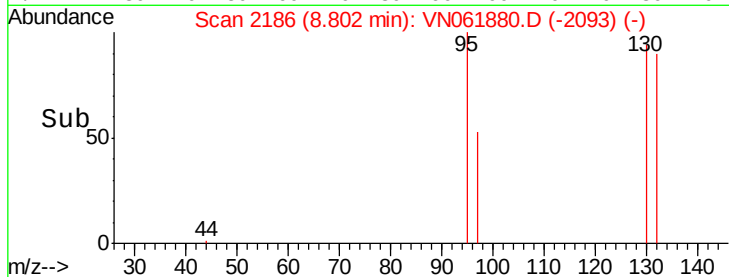
300

200

100

0

Time--> 8.76 8.78 8.80 8.82



#50

Toluene-d8

Concen: 50.071 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061880.D

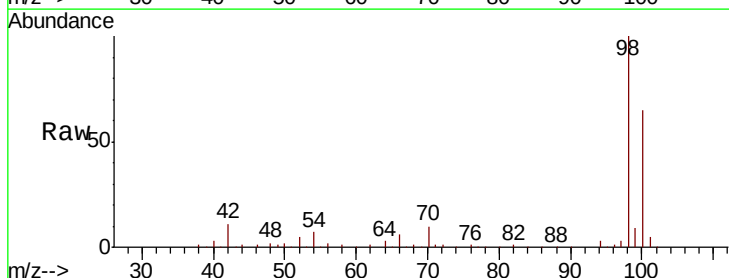
Acq: 18 Jun 2020 4:41

Tgt Ion: 98 Resp: 305038

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

200000

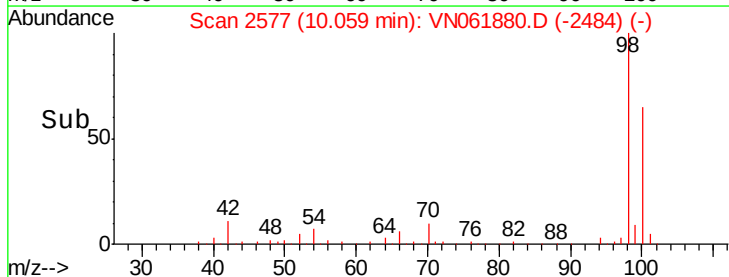
150000

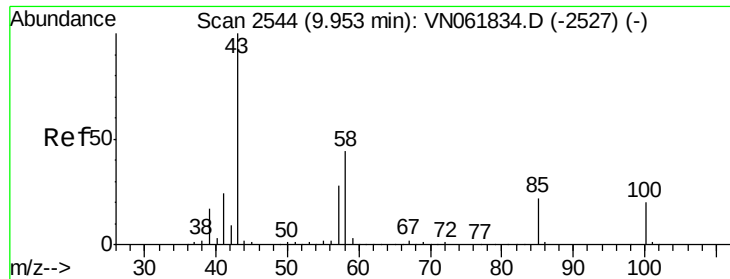
100000

50000

0

Time--> 10.00 10.10 10.20





#51

4-Methyl-2-Pentanone

Concen: 0.596 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

Instrument :

MSVOA_N

ClientSampleId :

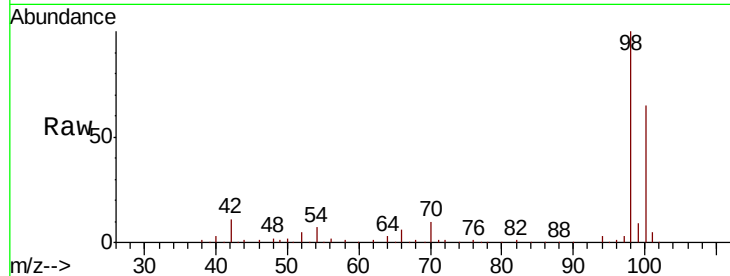
RE123D3-20200612

Tot Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 204.6 34.6 52.0#



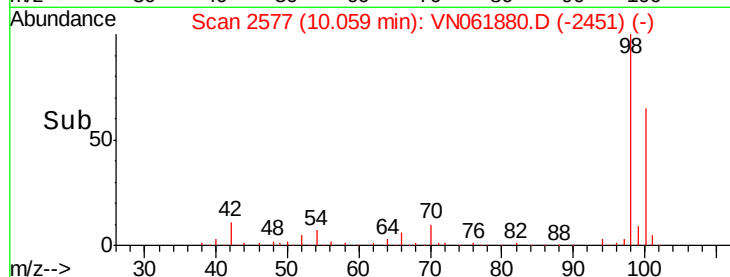
Abundance Ion 43.00 (42.70 to 43.70): VN061880.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN061880.D (-2451) (-)

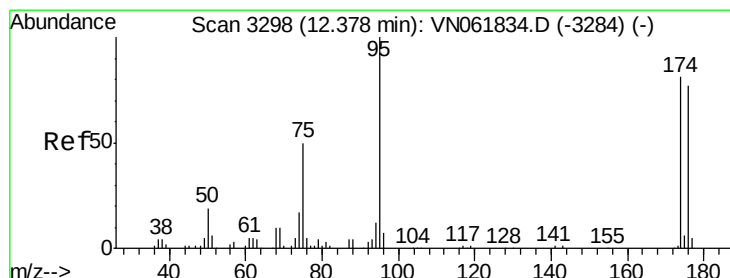
10.06

10.05

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 47.283 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

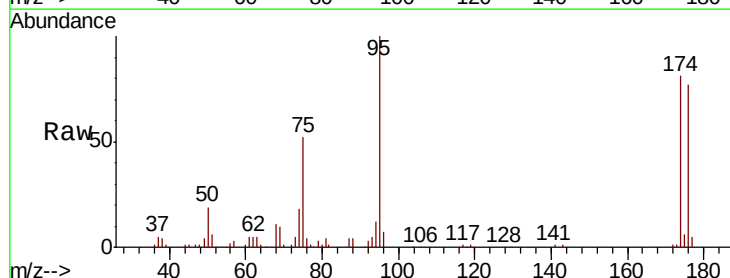
Tgt Ion: 95 Resp: 98807

Ion Ratio Lower Upper

95 100

174 80.4 0.0 158.6

176 76.1 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061880.D (-3205) (-)

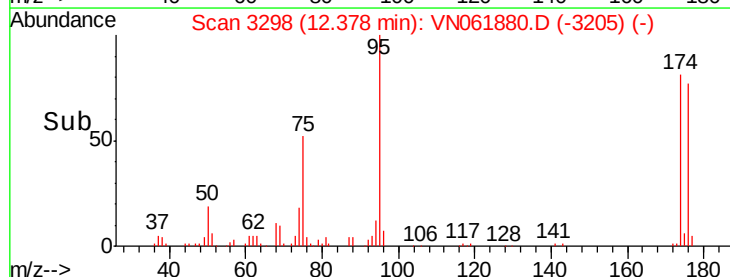
Ion 173.80 (173.50 to 174.50): VN061880.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061880.D (-3205) (-)

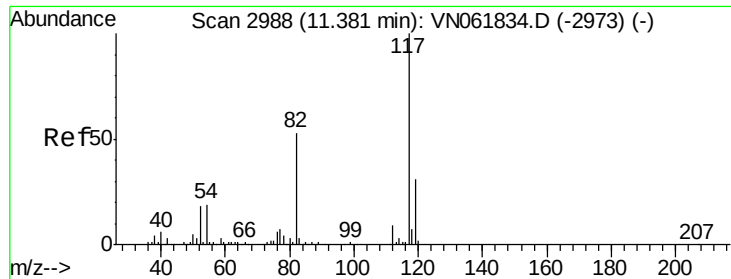
12.38

12.30

12.40



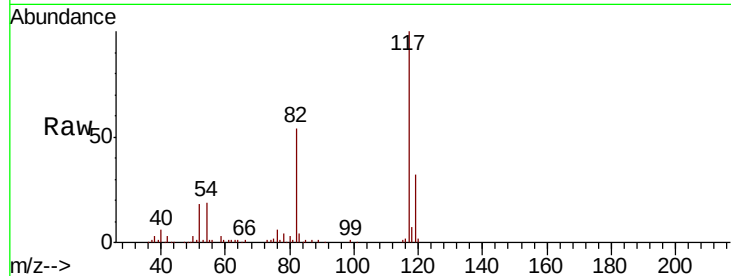
Time-->



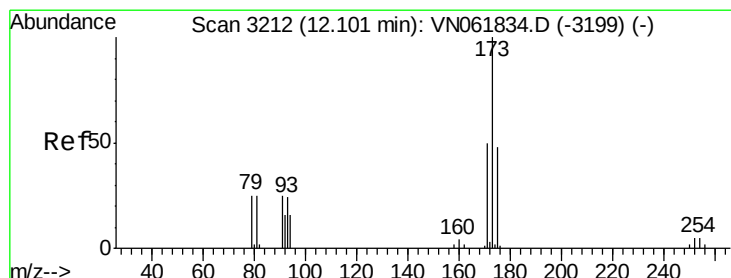
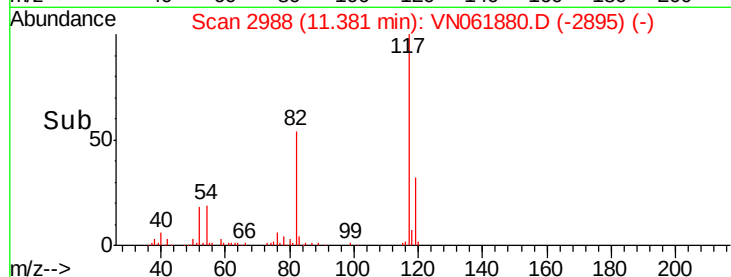
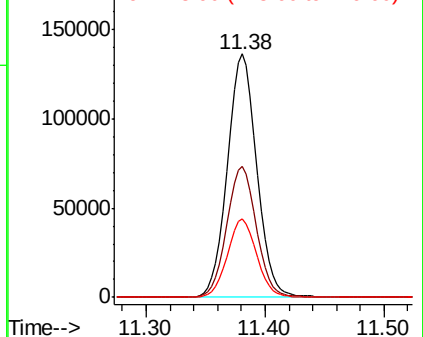
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061880.D
Acq: 18 Jun 2020 4:41

Instrument :
MSVOA_N
ClientSampleId :
RE123D3-20200612

Tot Ion:117 Resp: 233493
Ion Ratio Lower Upper
117 100
82 53.5 42.6 64.0
119 32.0 24.7 37.1

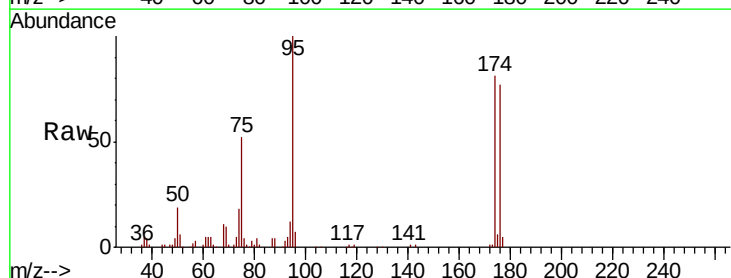


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

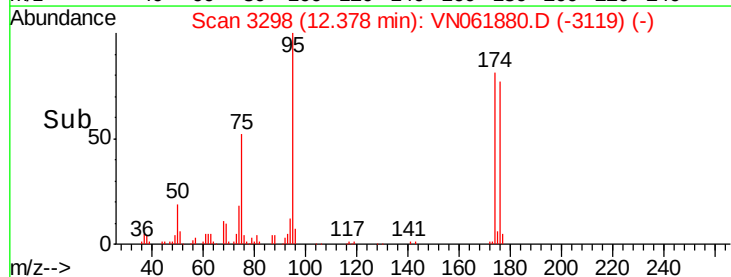
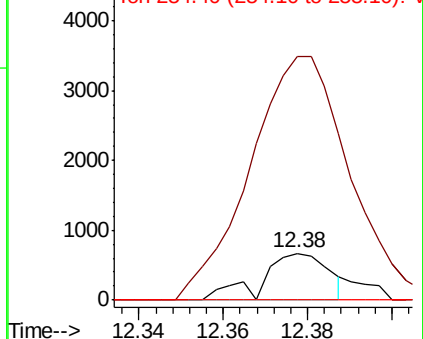


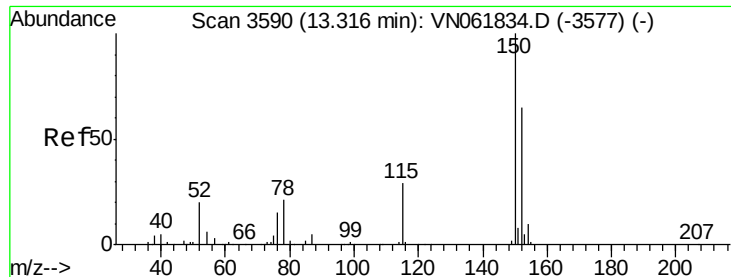
#71
Bromoform
Concen: 0.589 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061880.D
Acq: 18 Jun 2020 4:41

Tgt Ion:173 Resp: 738
Ion Ratio Lower Upper
173 100
175 648.0 23.9 71.7#
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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20200612

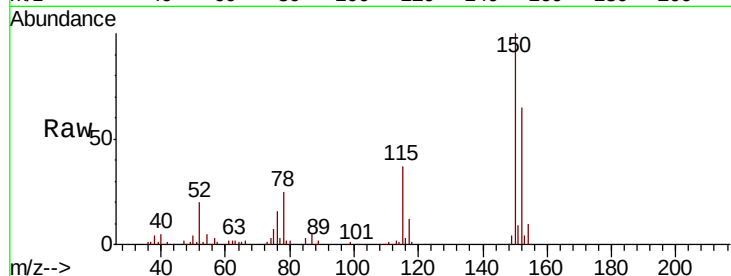
Tot Ion:152 Resp: 92260

Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.3

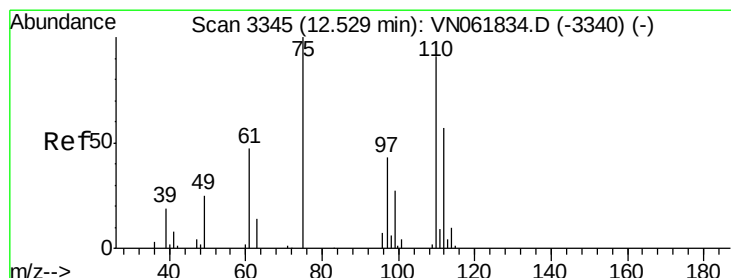
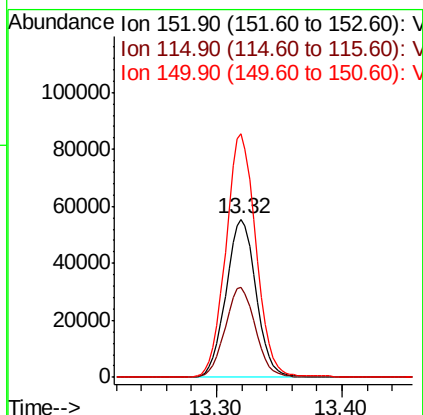
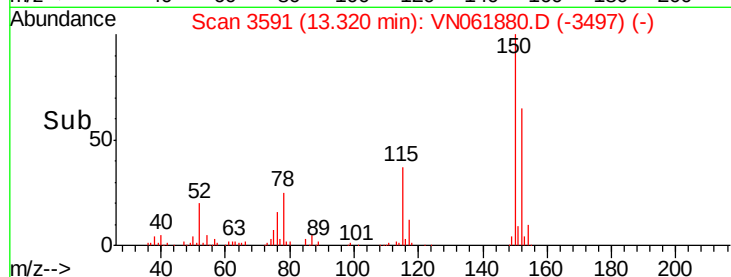
150 154.9 0.0 347.6



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: 27.546 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061880.D

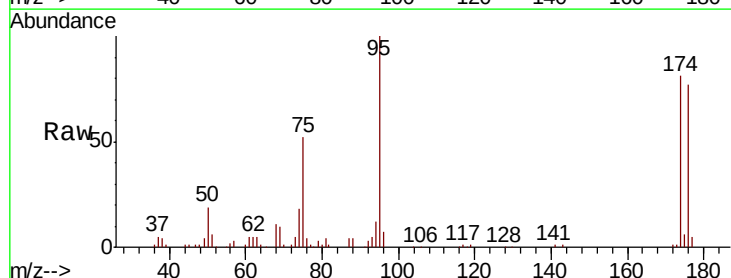
Acq: 18 Jun 2020 4:41

Tgt Ion: 75 Resp: 49893

Ion Ratio Lower Upper

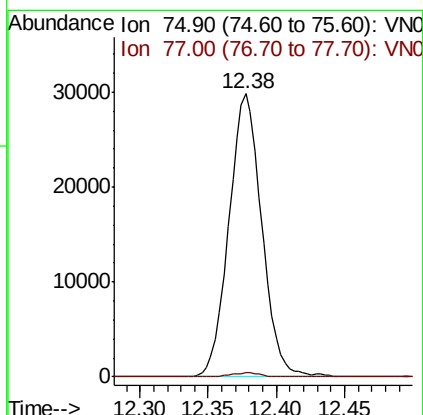
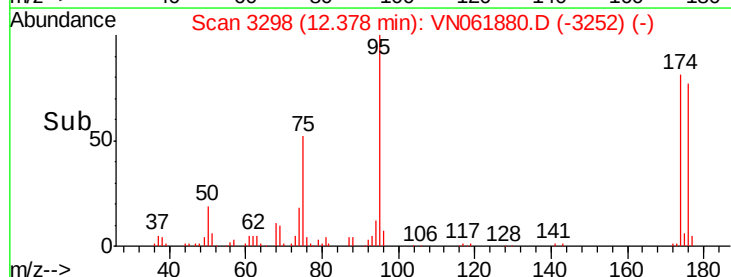
75 100

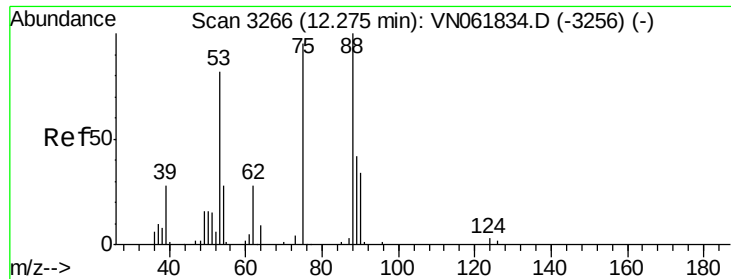
77 1.1 0.0 0.0#



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: 75.128 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061880.D

Acq: 18 Jun 2020 4:41

Instrument :

MSVOA_N

ClientSampleId :

RE123D3-20200612

Tot Ion: 75 Resp: 49893

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

