

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061860.D
 Acq On : 17 Jun 2020 19:52
 Operator : JC/MD
 Sample : L3003-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-TB-2020-2

Quant Time: Jun 18 03:57:06 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

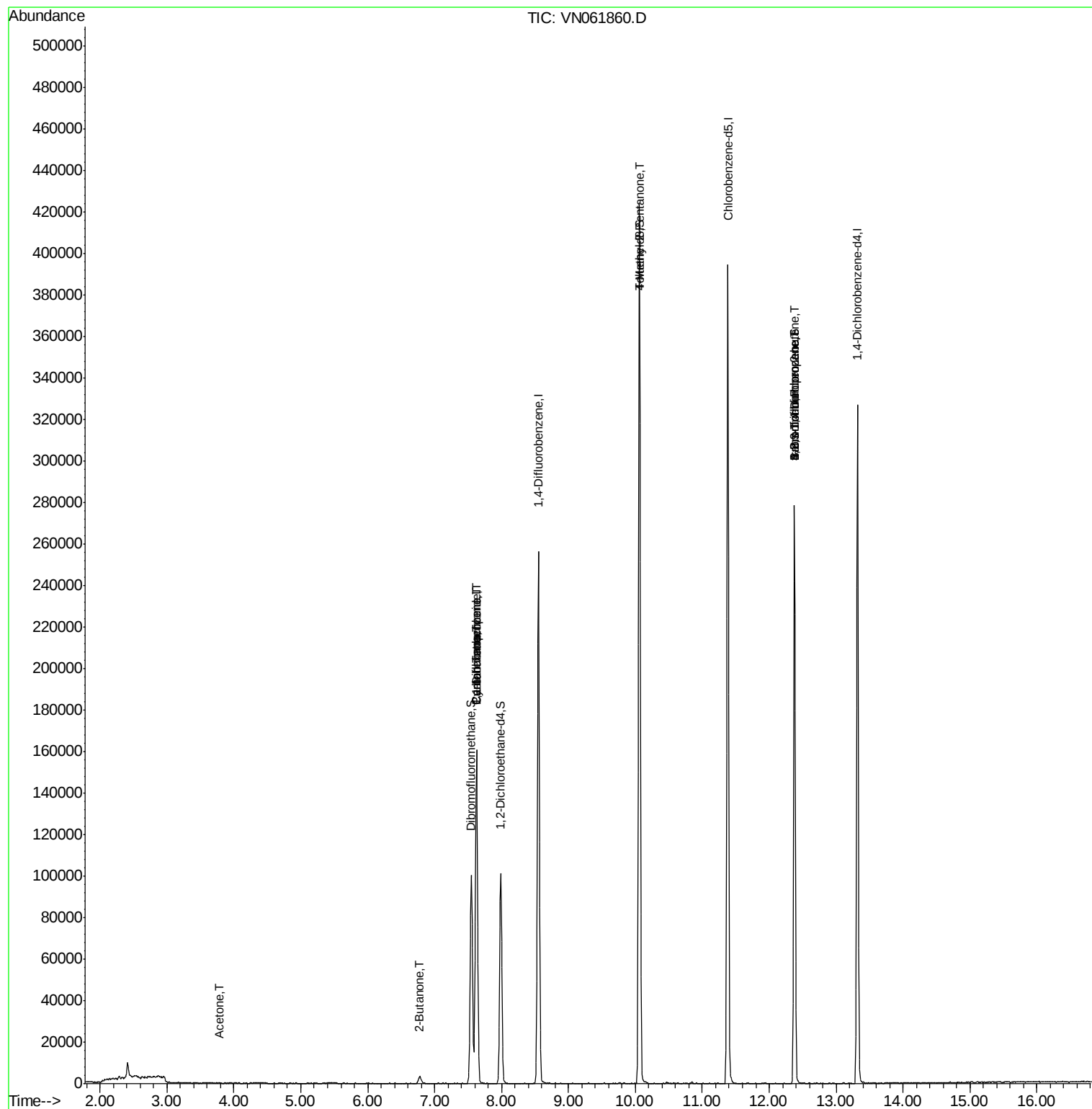
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	132201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	240200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	87039	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
35) Dibromofluoromethane	7.55	113	77894	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.06	98	298830	49.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.38	95	99861	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	254	0.485	ug/l #	40
25) 2-Butanone	6.78	43	247	0.323	ug/l #	44
31) Cyclohexane	7.63	56	2430	1.040	ug/l #	4
36) 1,1-Dichloropropene	7.62	75	10084	4.603	ug/l #	48
38) Carbon Tetrachloride	7.62	117	13381	6.168	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1047	0.615	ug/l #	1
71) Bromoform	12.37	173	817	0.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48909	27.277	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48909	74.395	ug/l #	14

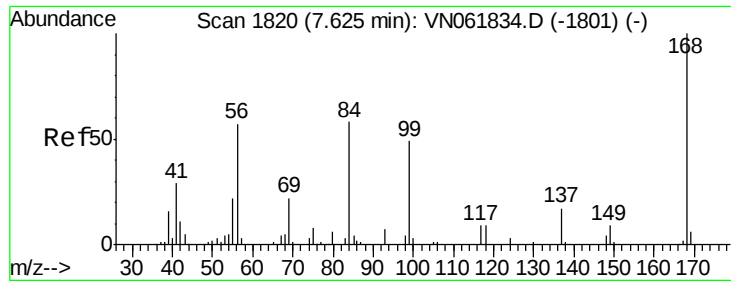
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 03:57:06 2020
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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: VN061860.D

Acq: 17 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

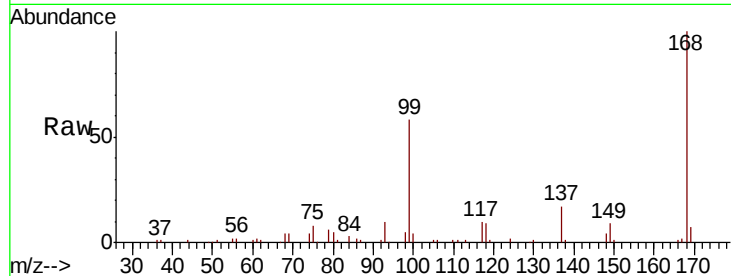
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Tot Ion:168 Resp: 132201

Ion Ratio Lower Upper

168 100

99 58.4 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.63

60000

50000

40000

30000

20000

10000

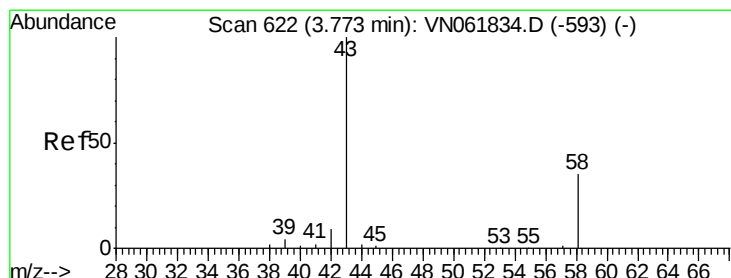
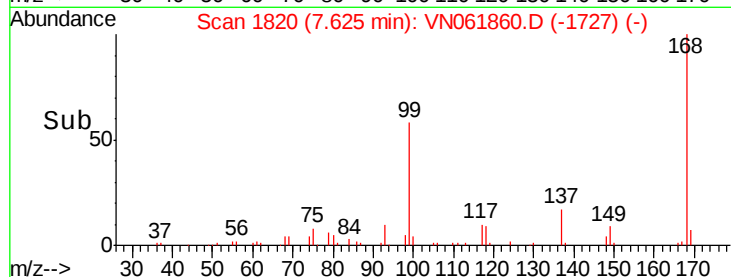
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Time-->

7.50

7.60

7.70



#16

Acetone

Concen: 0.485 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061860.D

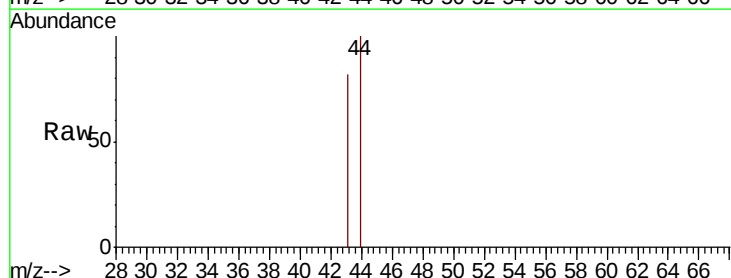
Acq: 17 Jun 2020 19:52

Tgt Ion: 43 Resp: 254

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

3.78

200

150

100

50

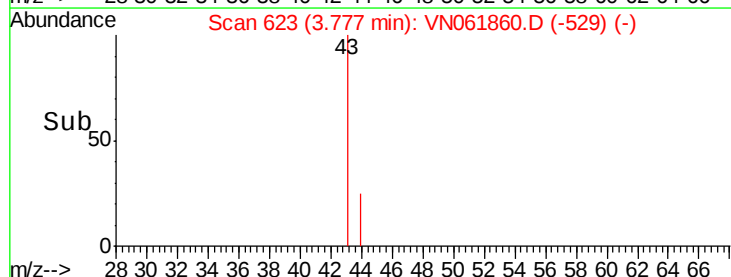
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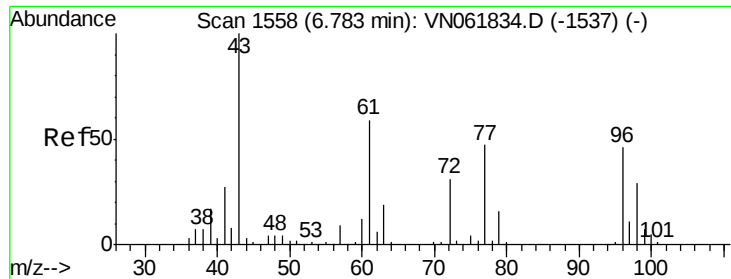
Time-->

3.76

3.78

3.80

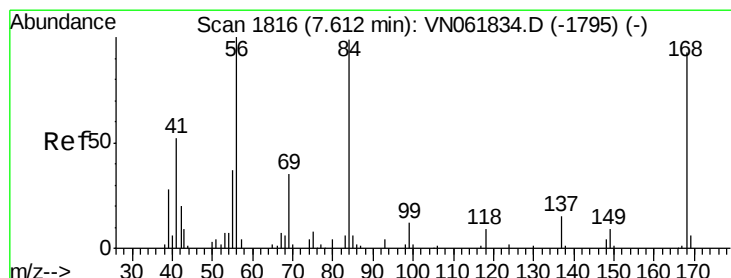
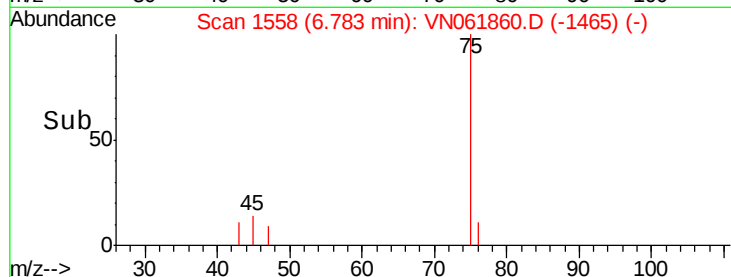
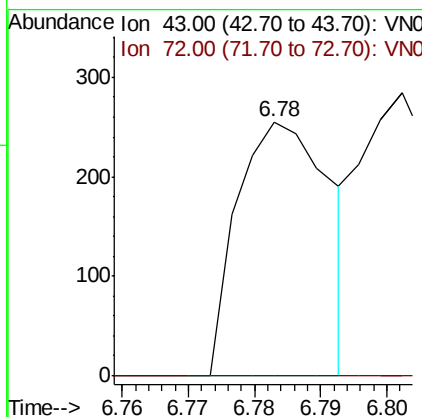
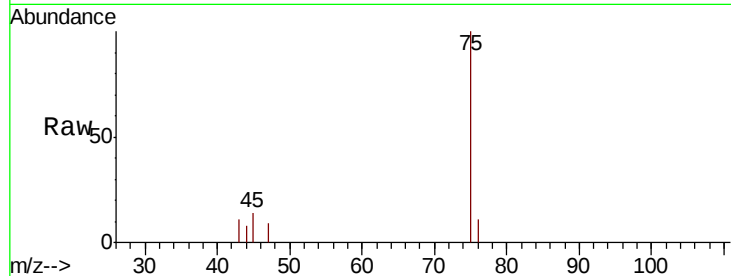




#25
2-Butanone
Concen: 0.323 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN061860.D
Acq: 17 Jun 2020 19:52

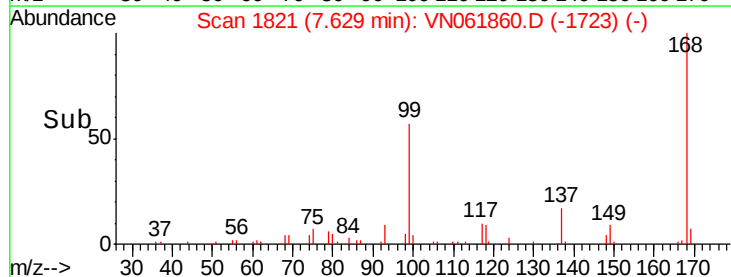
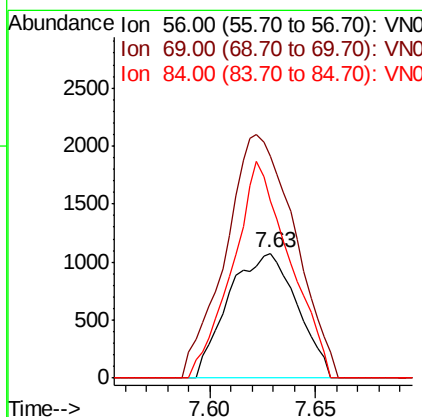
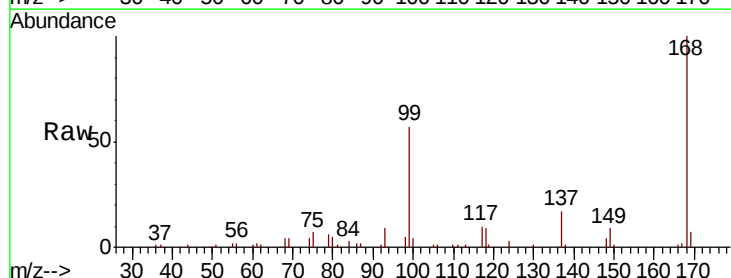
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S49-TB-2020-2

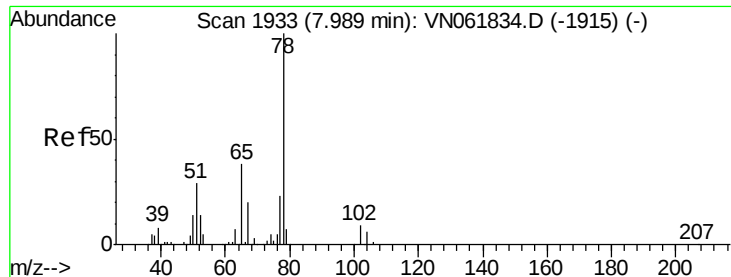
Tot Ion: 43 Resp: 247
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#



#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061860.D
Acq: 17 Jun 2020 19:52

Tgt Ion: 56 Resp: 2430
Ion Ratio Lower Upper
56 100
69 177.6 27.7 41.5#
84 141.6 79.1 118.7#





#33

1,2-Dichloroethane-d4

Concen: 49.091 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061860.D

Acq: 17 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

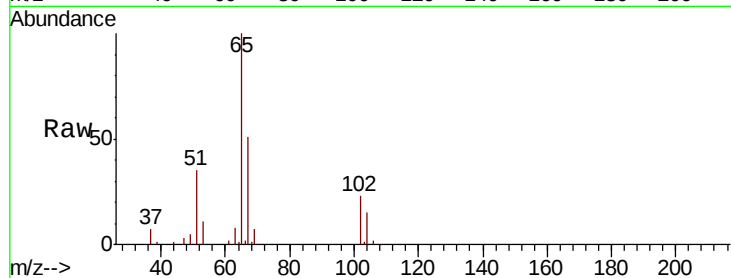
S49-TB-2020-2

Tot Ion: 65 Resp: 87039

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061860.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061860.D (-1840) (-)

7.99

40000

30000

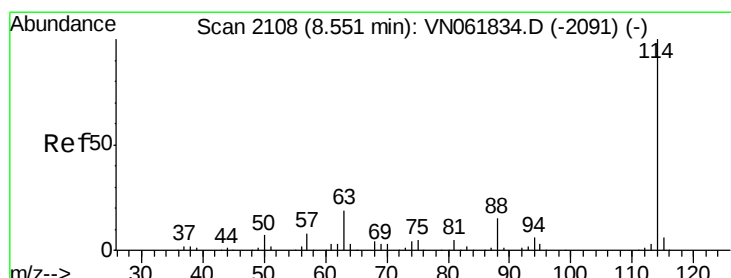
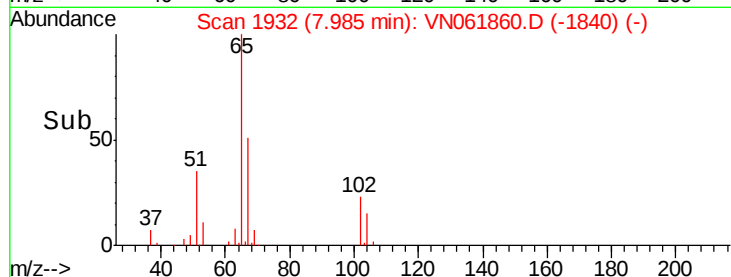
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061860.D

Acq: 17 Jun 2020 19:52

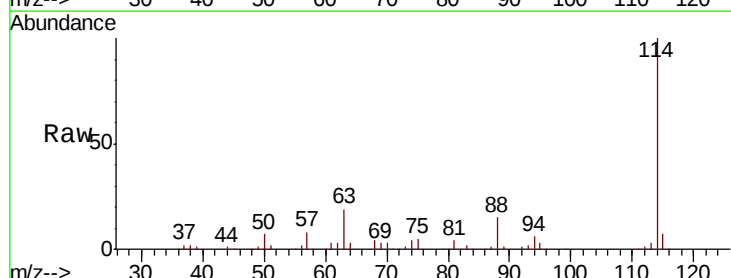
Tgt Ion: 114 Resp: 240200

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

88 15.2 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061860.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN061860.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN061860.D (-2155) (-)

8.55

150000

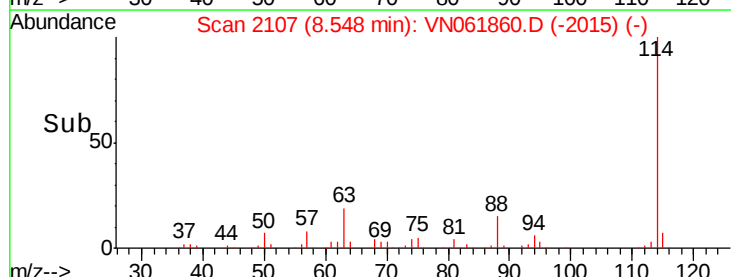
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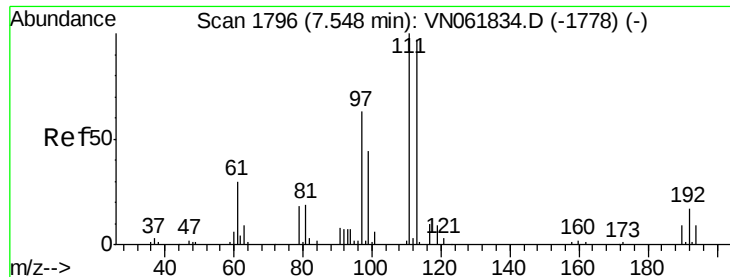
50000

0

8.50 8.55 8.60

Time-->

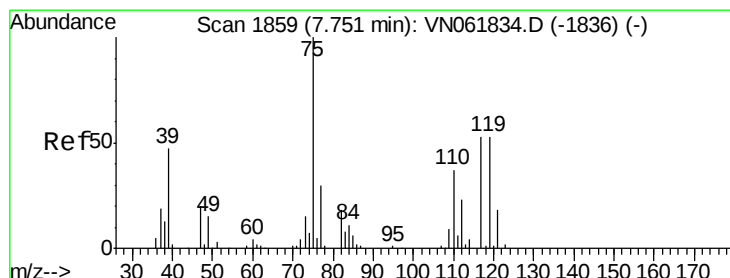
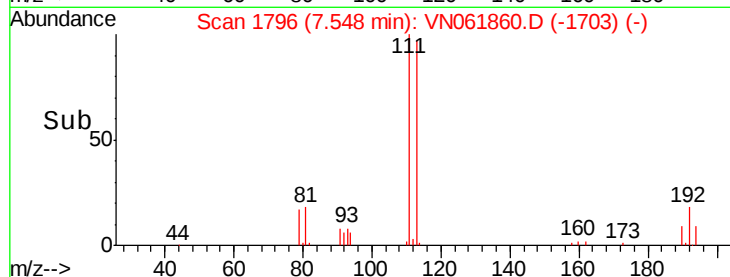
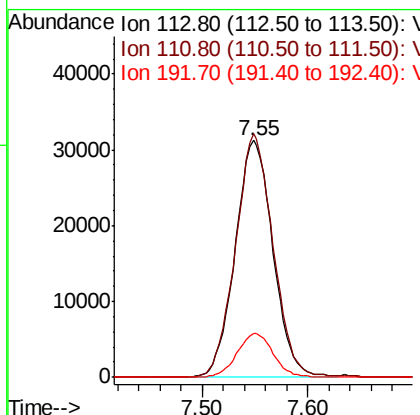
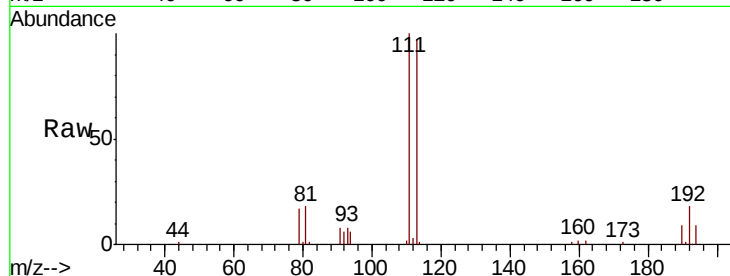




#35
 Dibromofluoromethane
 Concen: 50.690 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061860.D
 Acq: 17 Jun 2020 19:52

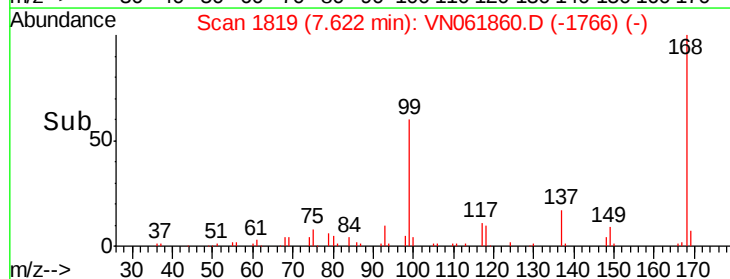
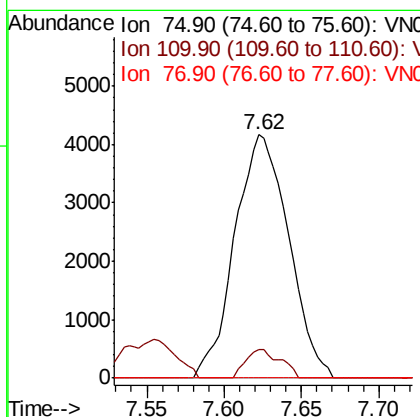
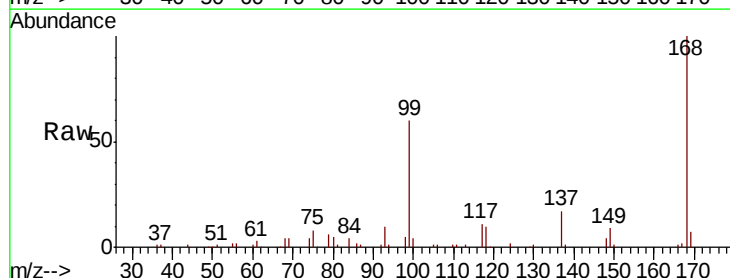
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-TB-2020-2

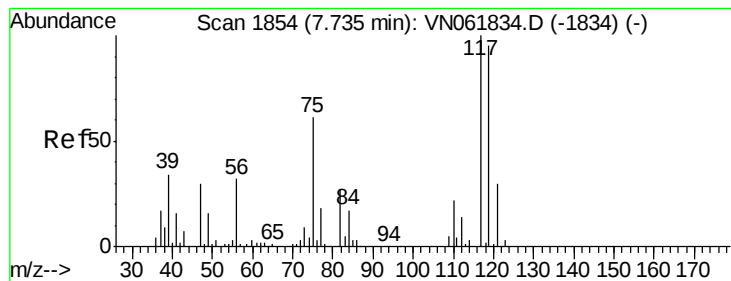
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.7	125.5
192	17.8	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061860.D
 Acq: 17 Jun 2020 19:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.2	54.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.168 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061860.D

Acq: 17 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

S49-TB-2020-2

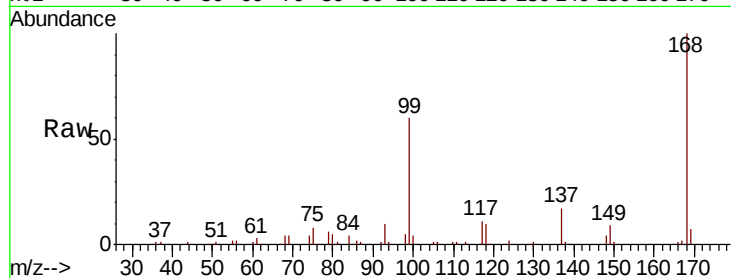
Tot Ion:117 Resp: 13381

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

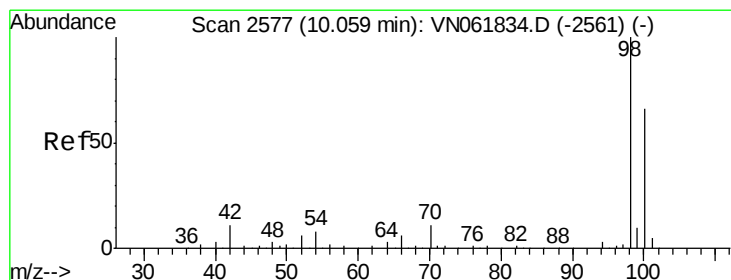
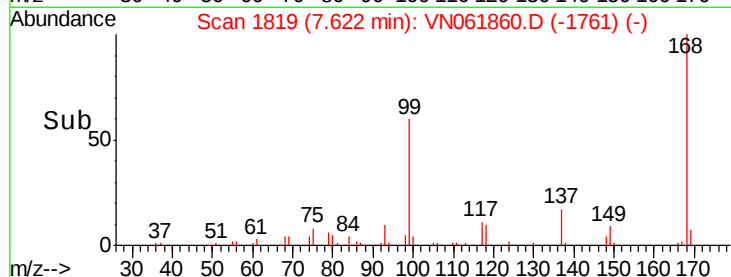
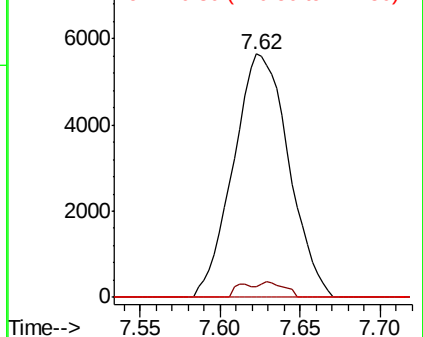
121 0.0 23.8 35.6#



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



#50

Toluene-d8

Concen: 49.465 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061860.D

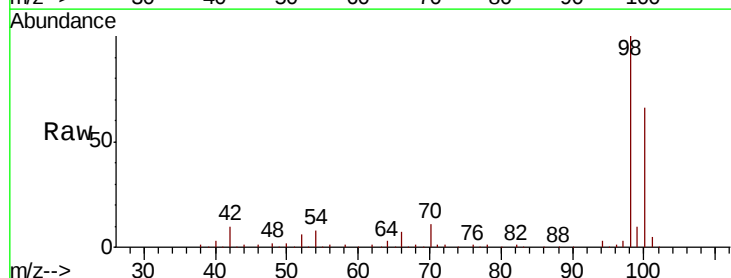
Acq: 17 Jun 2020 19:52

Tgt Ion: 98 Resp: 298830

Ion Ratio Lower Upper

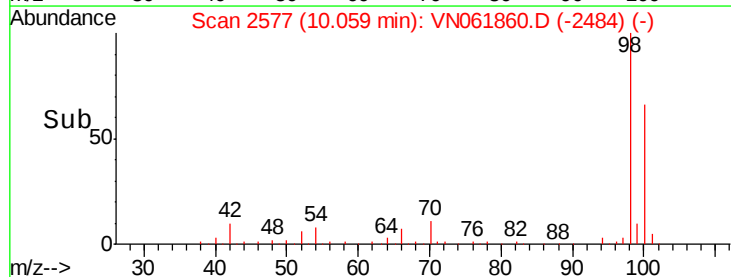
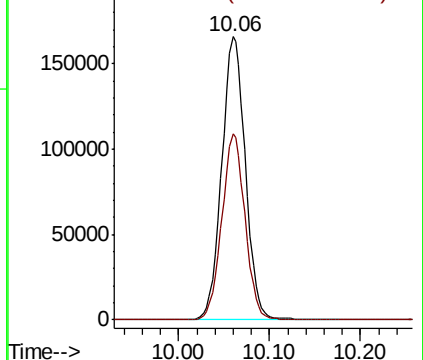
98 100

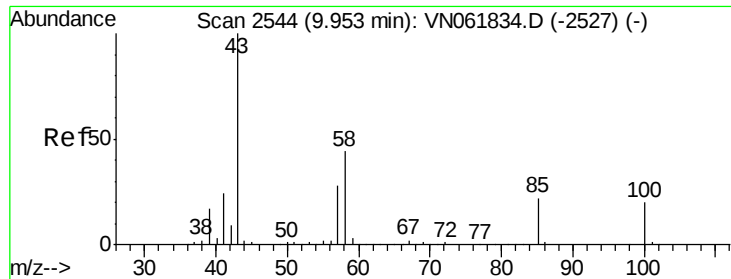
100 64.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

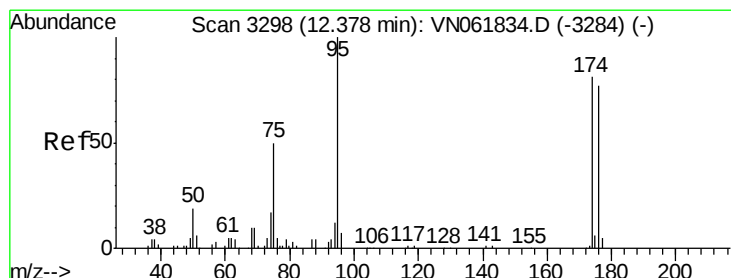
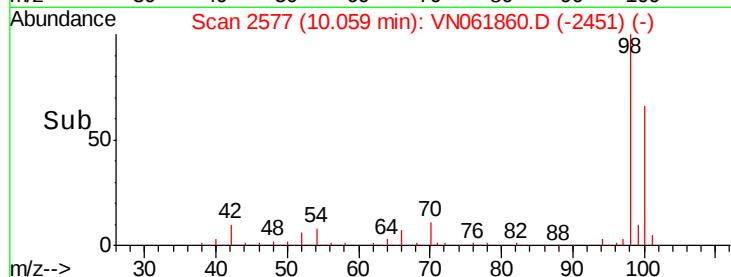
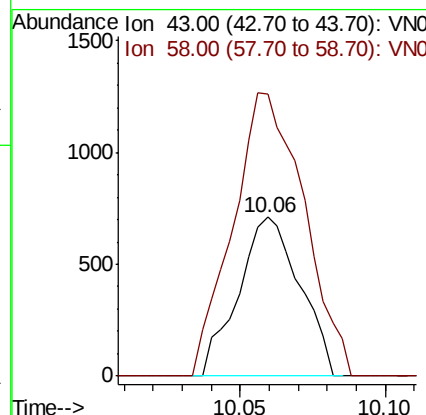
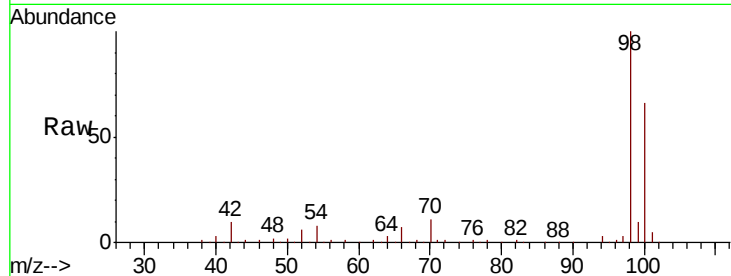




#51
4-Methyl-2-Pentanone
Concen: 0.615 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN061860.D
Acq: 17 Jun 2020 19:52

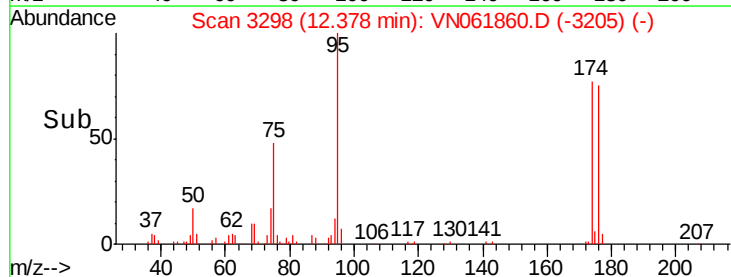
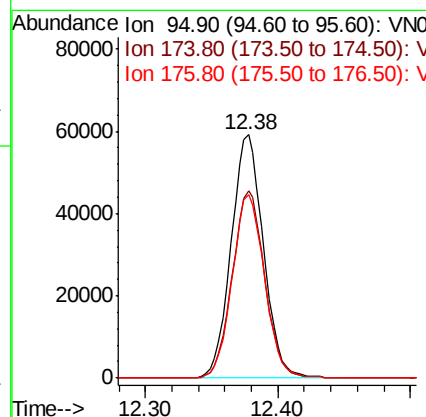
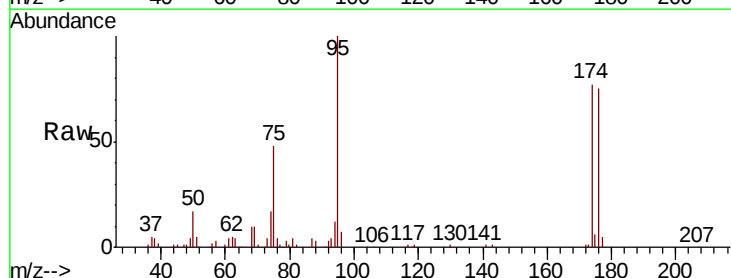
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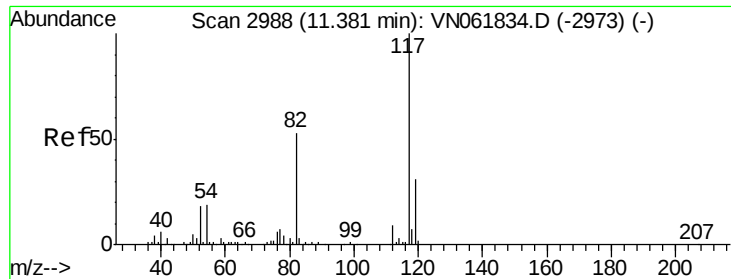
Tot Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 205.8 34.6 52.0#



#62
4-Bromofluorobenzene
Concen: 48.190 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061860.D
Acq: 17 Jun 2020 19:52

Tgt Ion: 95 Resp: 99861
Ion Ratio Lower Upper
95 100
174 77.6 0.0 158.6
176 75.5 0.0 152.0

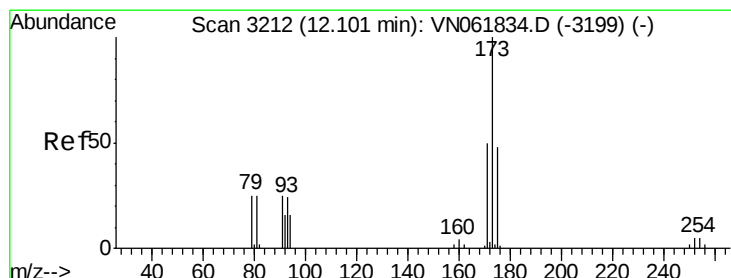
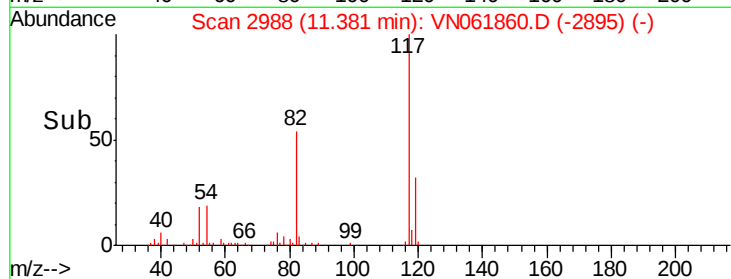
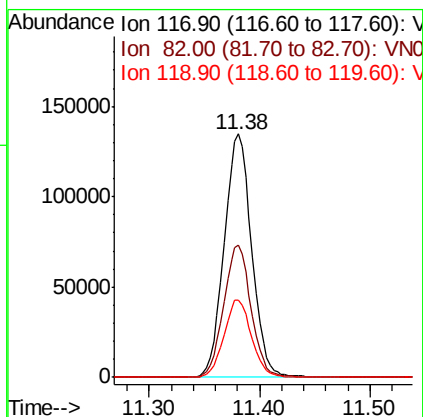
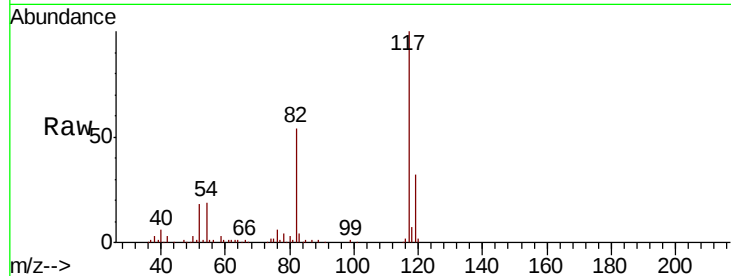




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061860.D
Acq: 17 Jun 2020 19:52

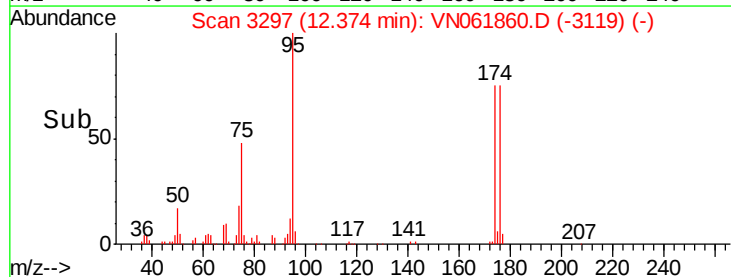
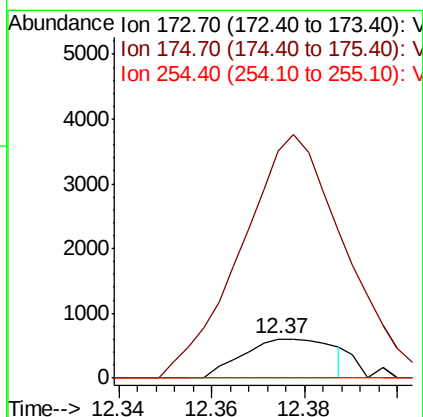
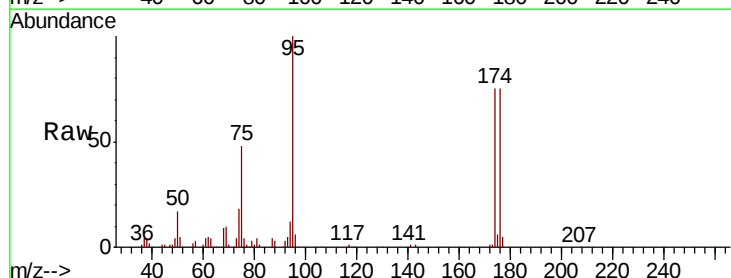
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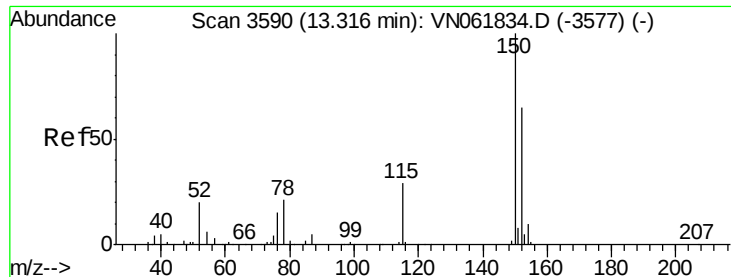
Tot Ion:117 Resp: 232851
Ion Ratio Lower Upper
117 100
82 54.1 42.6 64.0
119 31.9 24.7 37.1



#71
Bromoform
Concen: 0.654 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061860.D
Acq: 17 Jun 2020 19:52

Tgt Ion:173 Resp: 817
Ion Ratio Lower Upper
173 100
175 602.8 23.9 71.7#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061860.D

Acq: 17 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

S49-TB-2020-2

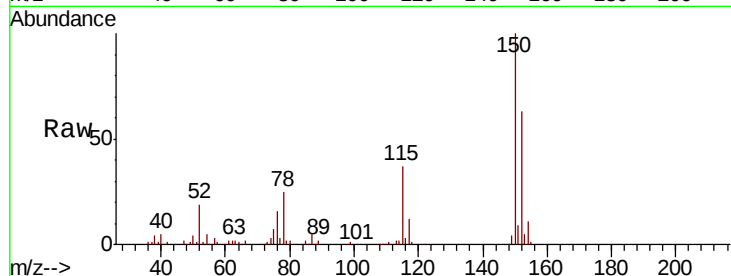
Tot Ion:152 Resp: 91332

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

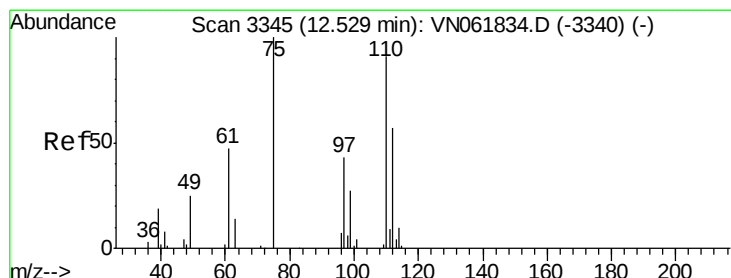
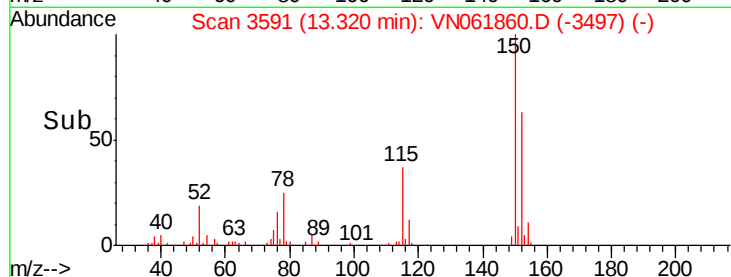
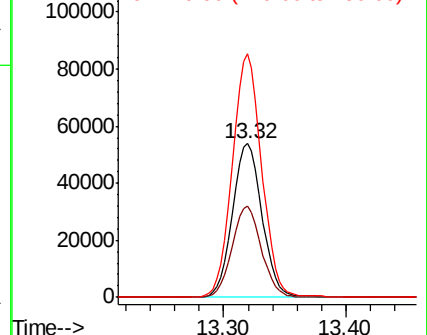
150 156.7 0.0 347.6



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: 27.277 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061860.D

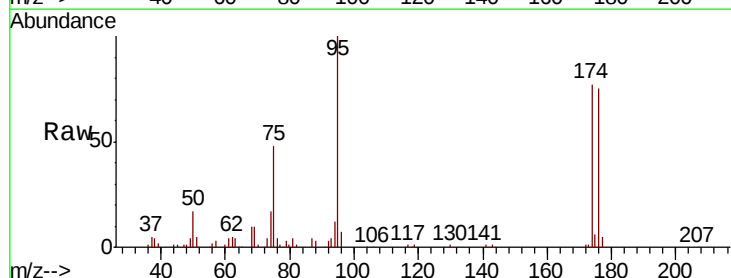
Acq: 17 Jun 2020 19:52

Tgt Ion: 75 Resp: 48909

Ion Ratio Lower Upper

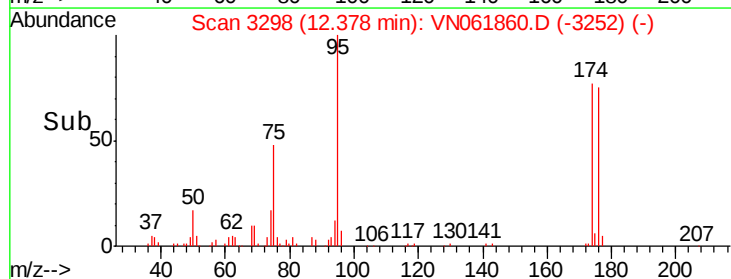
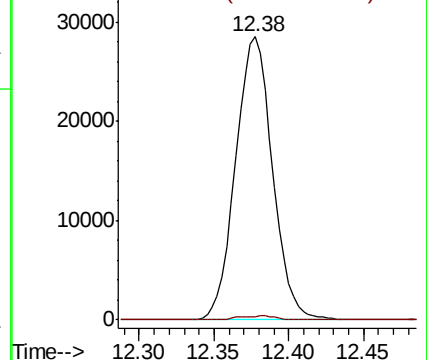
75 100

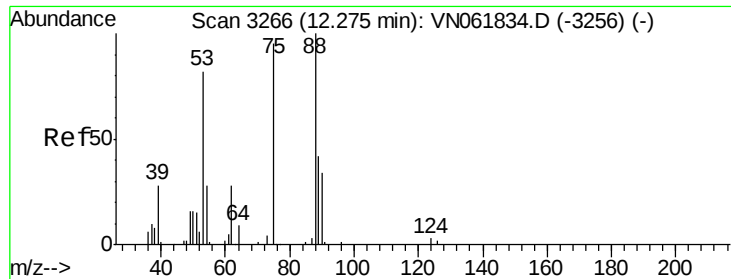
77 1.3 0.0 0.0#



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: 74.395 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061860.D

Acq: 17 Jun 2020 19:52

Instrument :

MSVOA_N

ClientSampleId :

S49-TB-2020-2

Tot Ion: 75 Resp: 48909

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

