

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061903.D
 Acq On : 18 Jun 2020 16:27
 Operator : JC/MD
 Sample : L3026-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-TB-2020-3

Quant Time: Jun 19 05:27:18 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	133571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	245820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	238544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92861	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	92508	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	7.55	113	80385	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.06	98	306814	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.38	95	101878	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

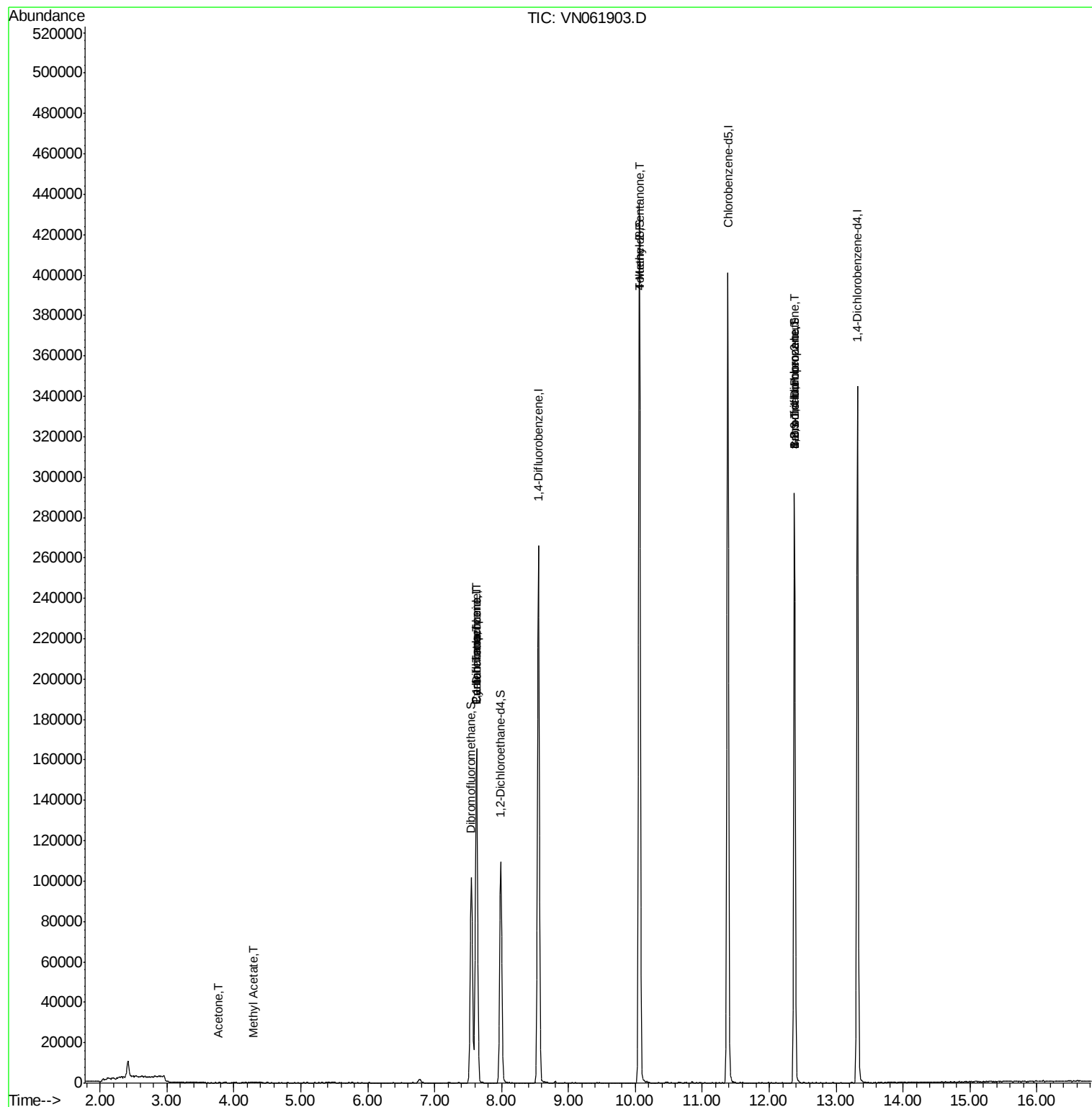
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	234	0.442	ug/l #	40
18) Methyl Acetate	4.29	43	364	0.239	ug/l #	46
31) Cyclohexane	7.63	56	2705	1.146	ug/l #	7
36) 1,1-Dichloropropene	7.62	75	10288	4.588	ug/l #	44
38) Carbon Tetrachloride	7.63	117	13478	6.070	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1184	0.679	ug/l #	1
71) Bromoform	12.38	173	790	0.617	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	51053	28.004	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51053	76.377	ug/l #	14

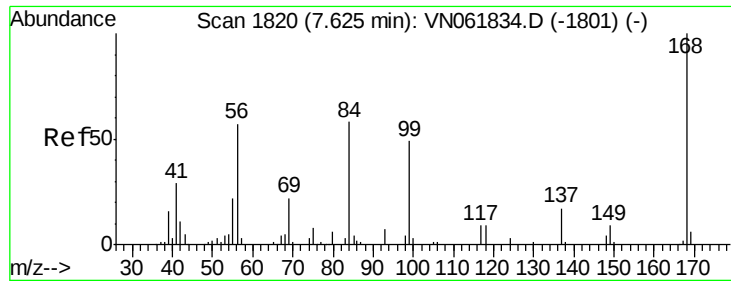
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 19 05:27:18 2020
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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: VN061903.D

Acq: 18 Jun 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

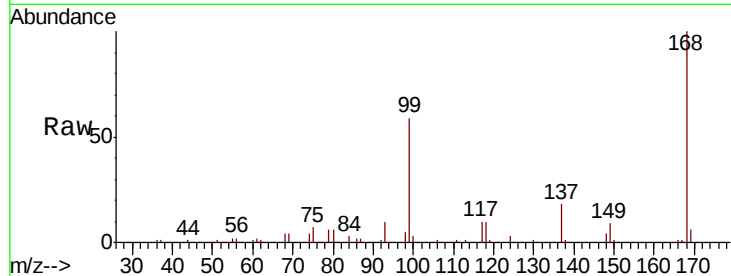
S49-TB-2020-3

Tot Ion:168 Resp: 133571

Ion Ratio Lower Upper

168 100

99 59.0 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

20000

10000

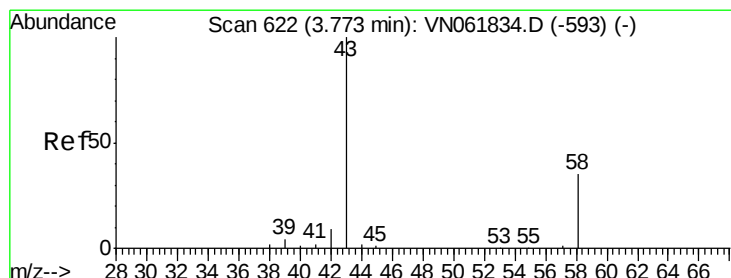
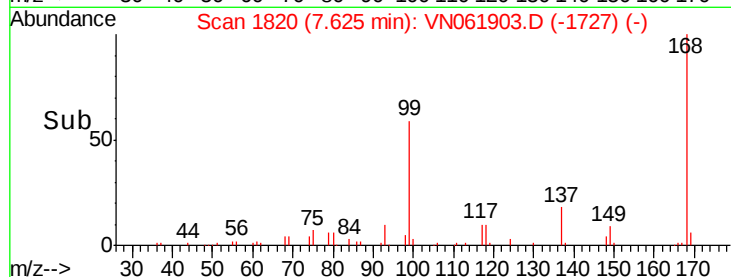
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 0.442 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061903.D

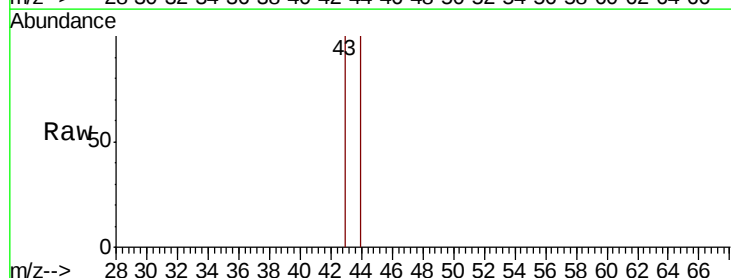
Acq: 18 Jun 2020 16:27

Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250

200

150

100

50

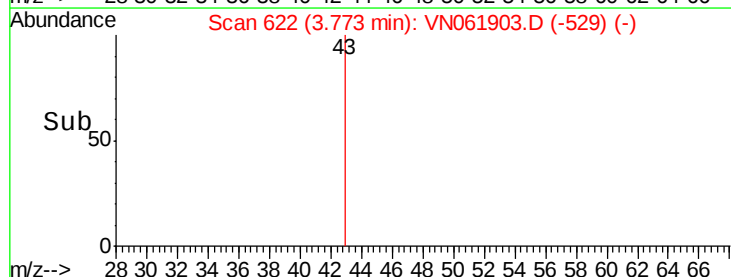
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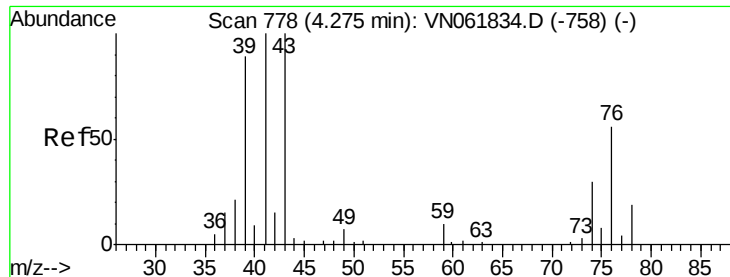
3.76

3.78

3.80

Time-->

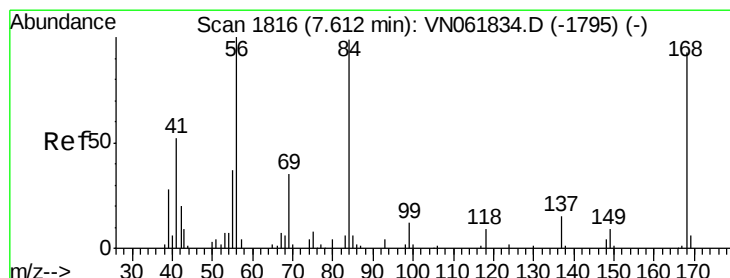
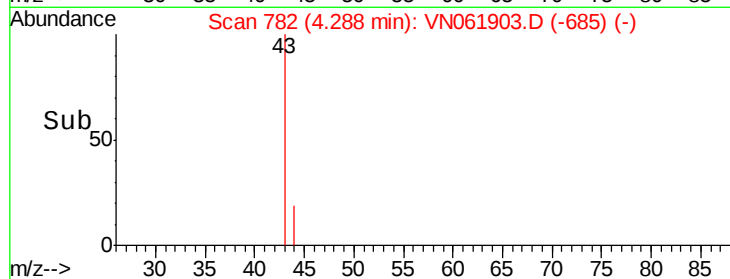
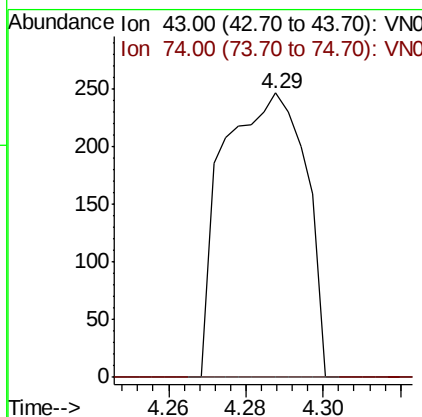
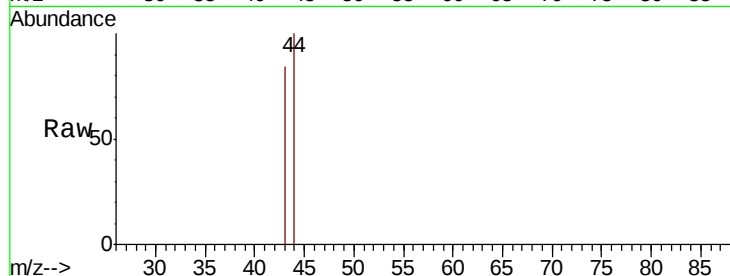




#18
Methvl Acetate
Concen: 0.239 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061903.D
Acq: 18 Jun 2020 16:27

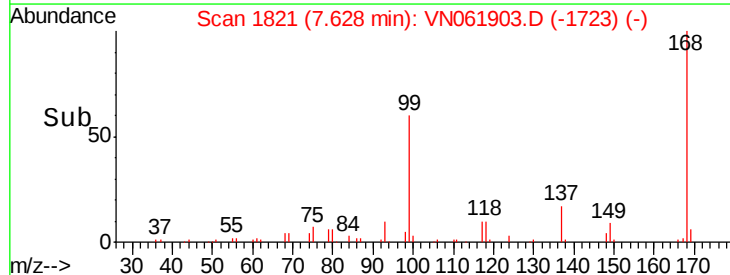
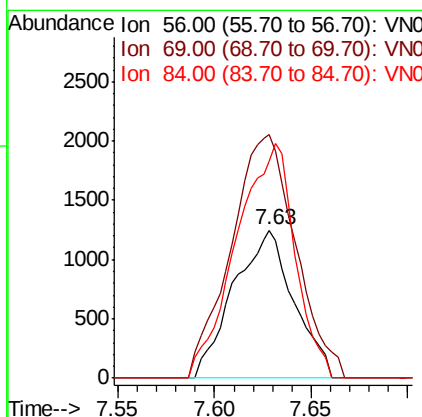
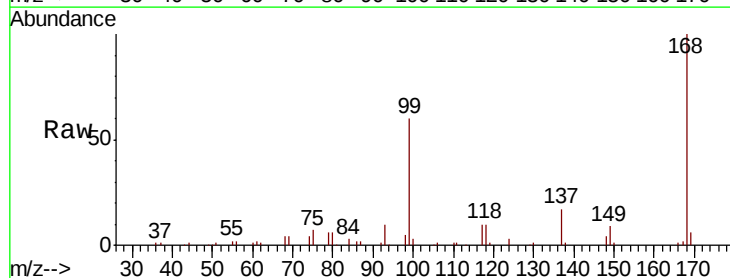
Instrument :
MSVOA_N
ClientSampleId :
S49-TB-2020-3

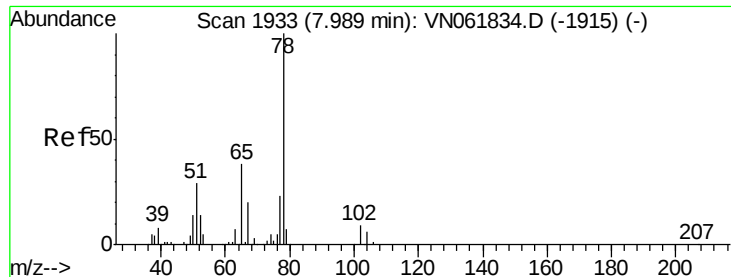
Tot Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061903.D
Acq: 18 Jun 2020 16:27

Tgt Ion: 56 Resp: 2705
Ion Ratio Lower Upper
56 100
69 164.4 27.7 41.5#
84 146.1 79.1 118.7#

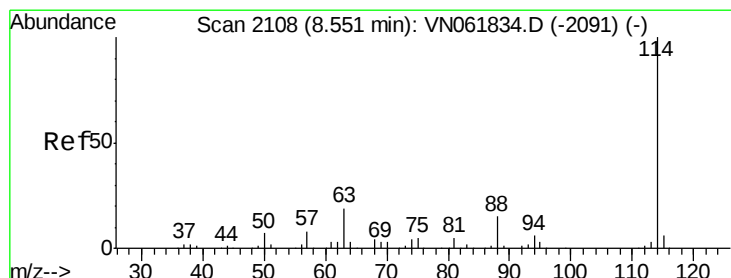
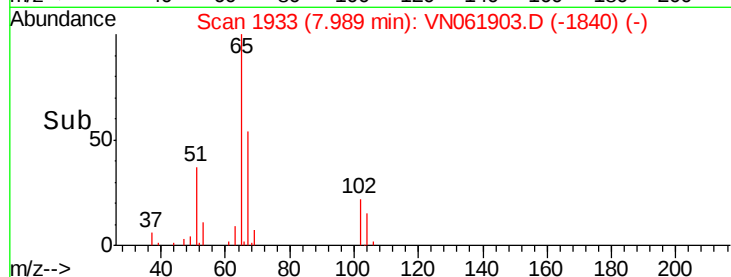
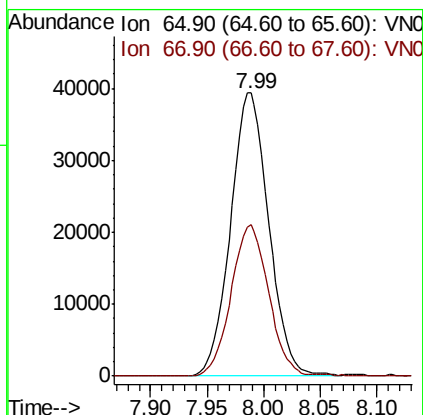
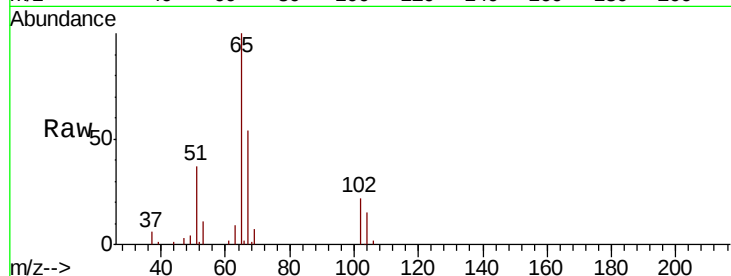




#33
 1,2-Dichloroethane-d4
 Concen: 51.641 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061903.D
 Acq: 18 Jun 2020 16:27

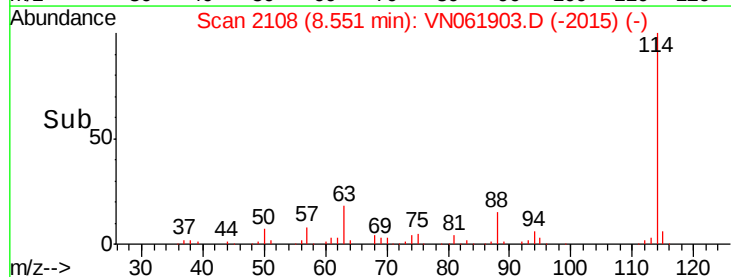
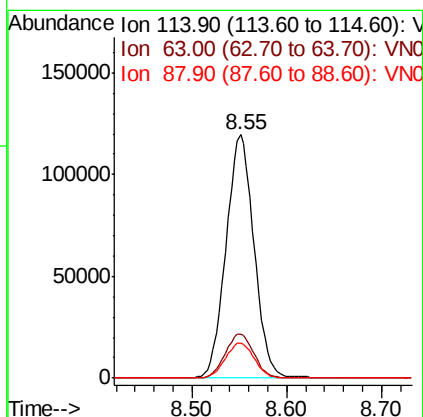
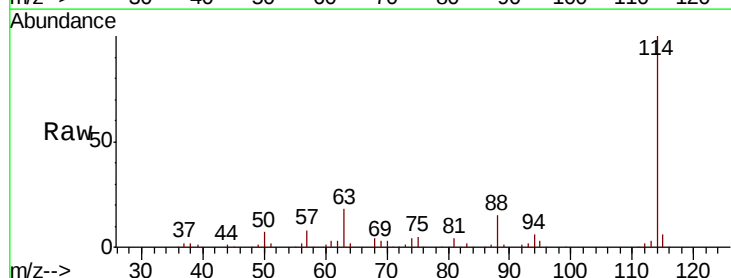
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-TB-2020-3

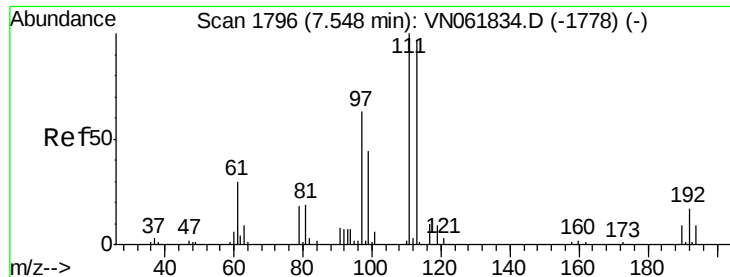
Tot Ion: 65 Resp: 92508
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061903.D
 Acq: 18 Jun 2020 16:27

Tgt Ion: 114 Resp: 245820
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.6
 88 14.6 0.0 31.0

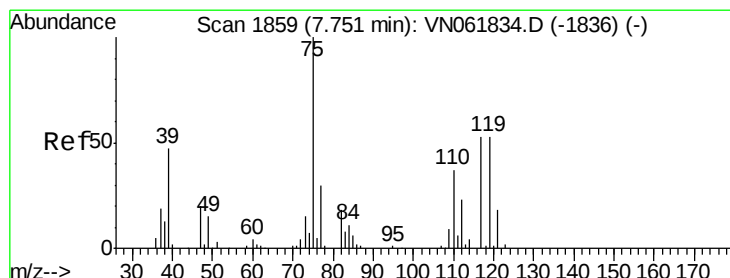
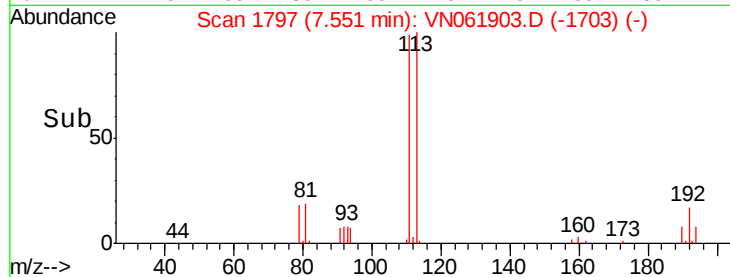
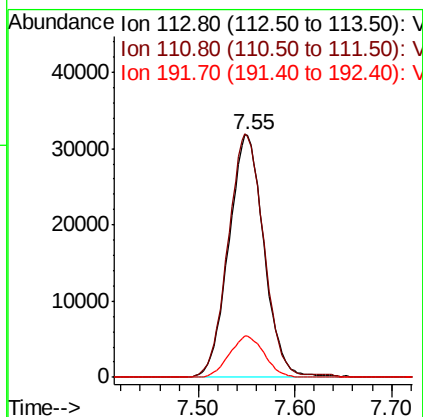
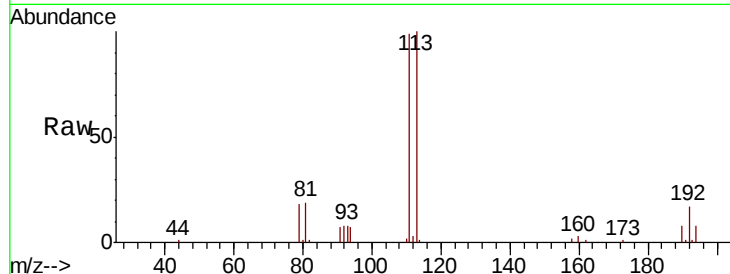




#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061903.D
 Acq: 18 Jun 2020 16:27

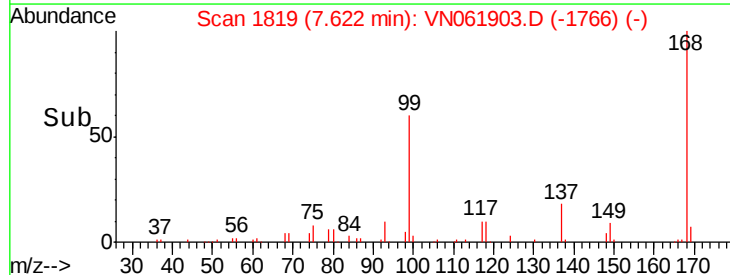
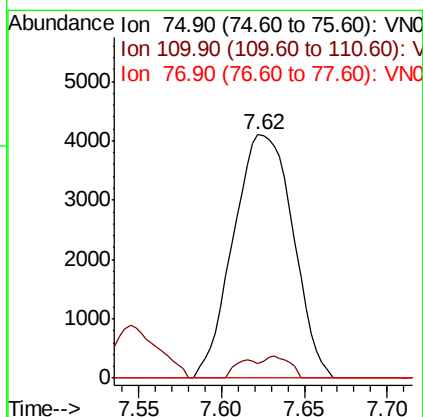
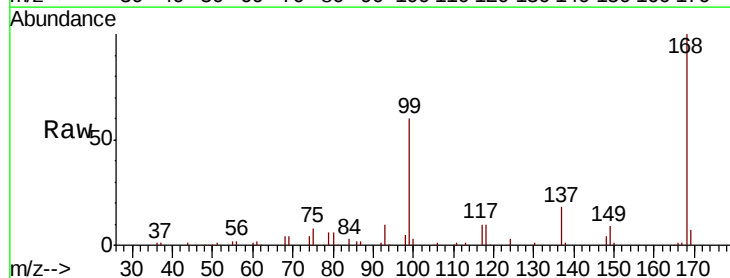
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-TB-2020-3

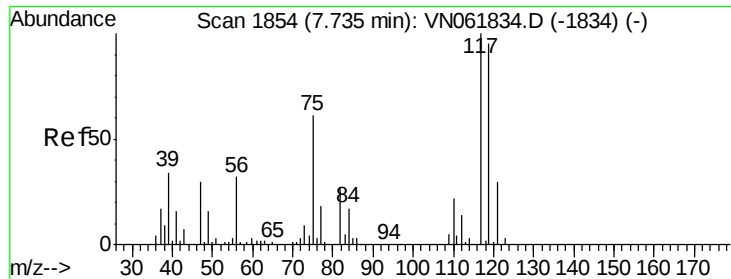
Tot Ion:113 Resp: 80385
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.7 125.5
 192 16.8 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.588 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061903.D
 Acq: 18 Jun 2020 16:27

Tgt Ion: 75 Resp: 10288
 Ion Ratio Lower Upper
 75 100
 110 2.9 18.2 54.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.070 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061903.D

Acq: 18 Jun 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

S49-TB-2020-3

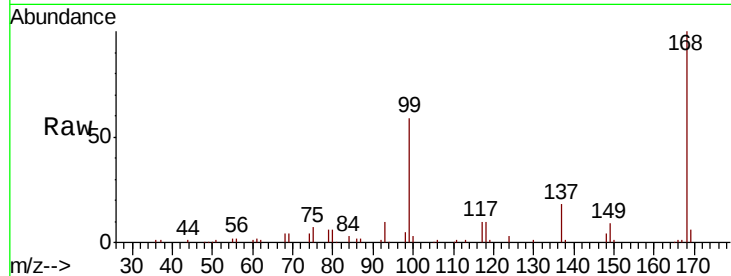
Tot Ion:117 Resp: 13478

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

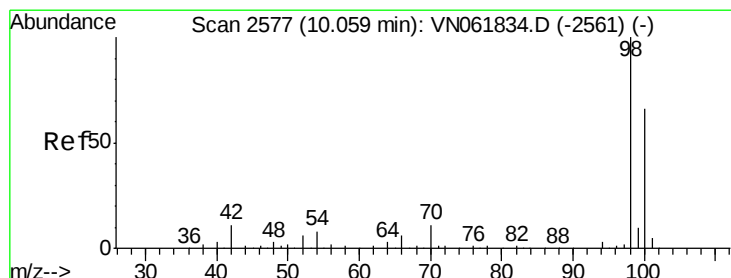
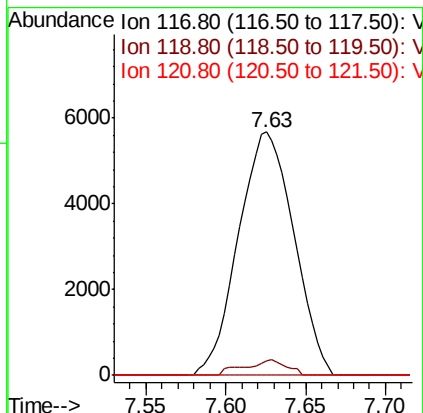
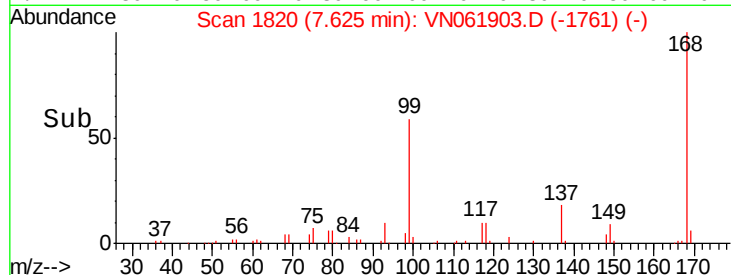
121 0.0 23.8 35.6#



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: 49.625 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061903.D

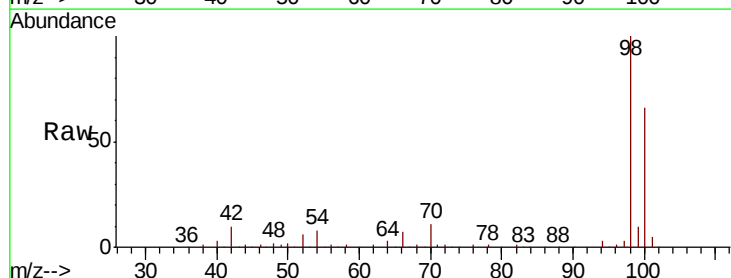
Acq: 18 Jun 2020 16:27

Tgt Ion: 98 Resp: 306814

Ion Ratio Lower Upper

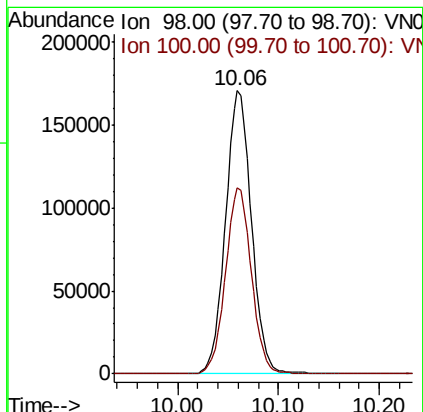
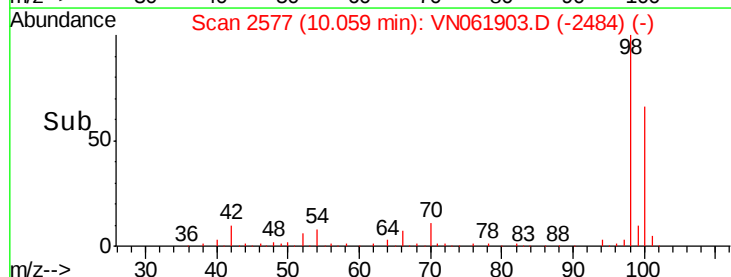
98 100

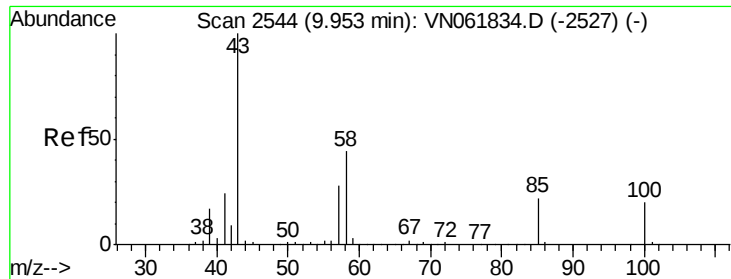
100 65.4 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.679 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061903.D

Acq: 18 Jun 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

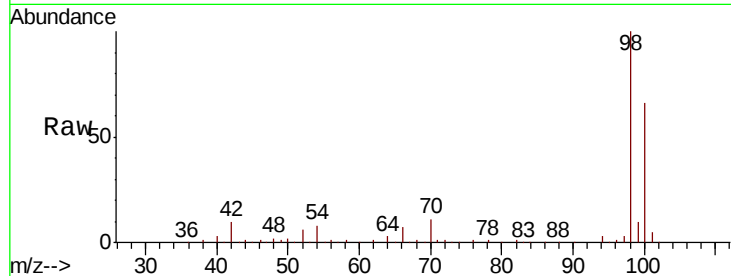
S49-TB-2020-3

Tot Ion: 43 Resp: 1184

Ion Ratio Lower Upper

43 100

58 190.5 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

1500

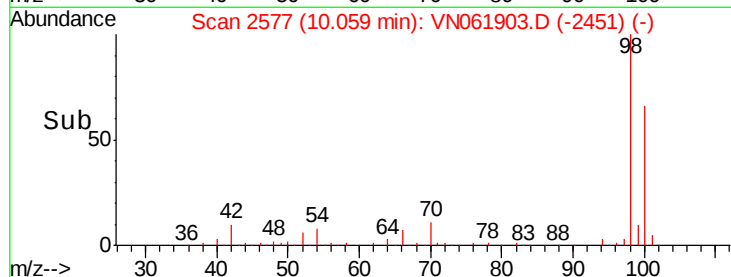
1000

500

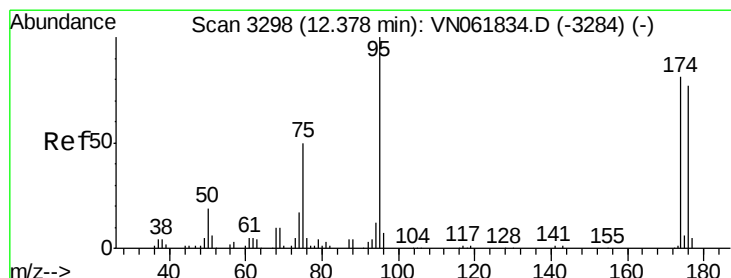
0

10.05

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 48.039 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061903.D

Acq: 18 Jun 2020 16:27

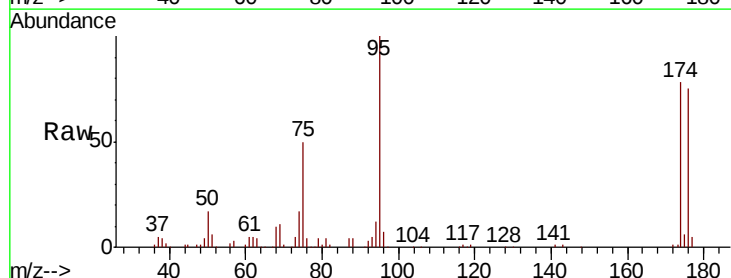
Tgt Ion: 95 Resp: 101878

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.6

176 75.8 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

80000

60000

40000

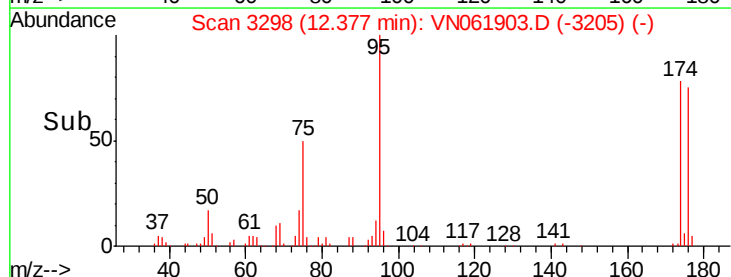
20000

0

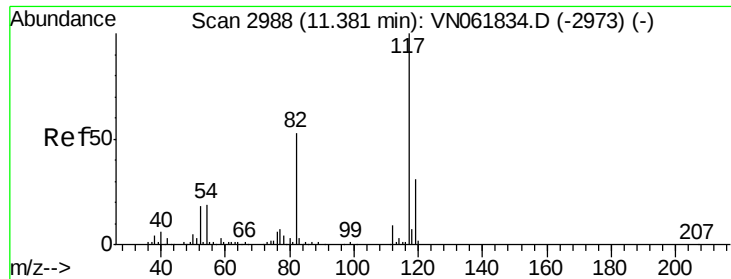
12.38

12.40

12.50



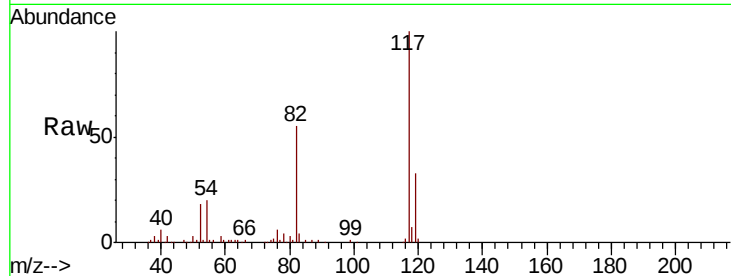
Time-->



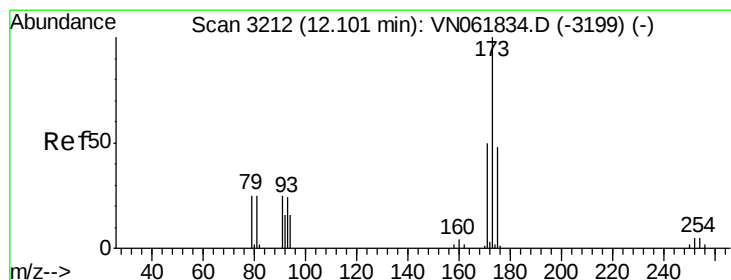
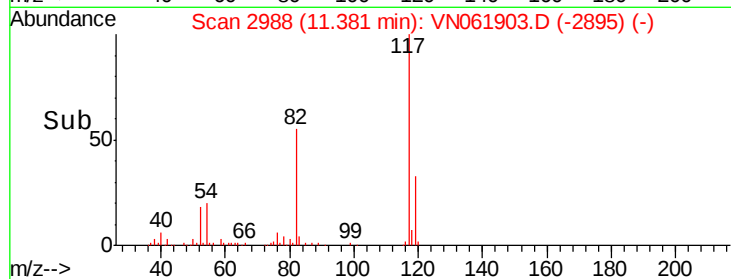
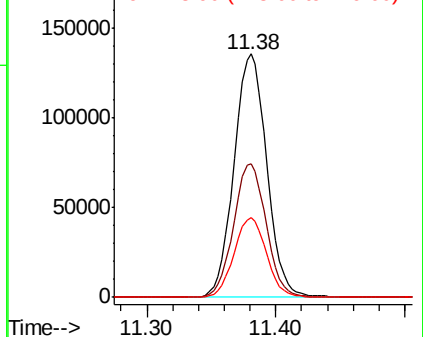
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061903.D
Acq: 18 Jun 2020 16:27

Instrument :
MSVOA_N
ClientSampleId :
S49-TB-2020-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.6	64.0
119	32.7	24.7	37.1

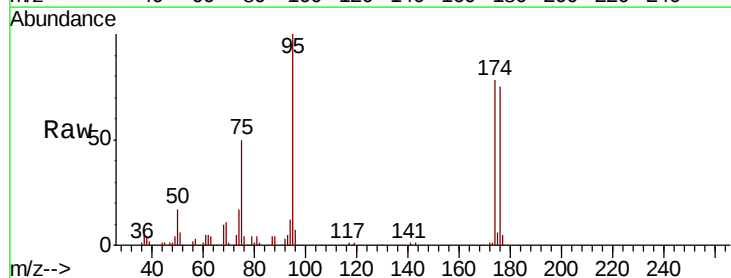


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

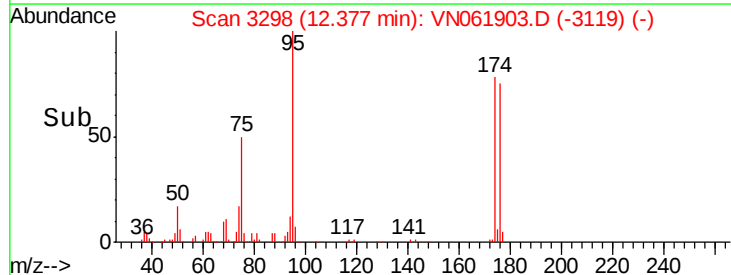
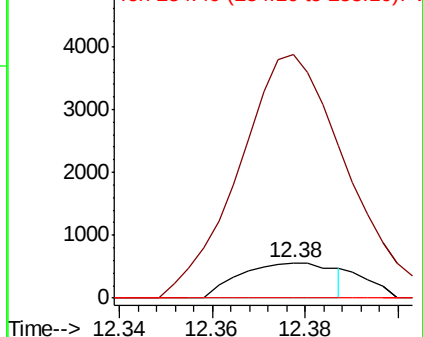


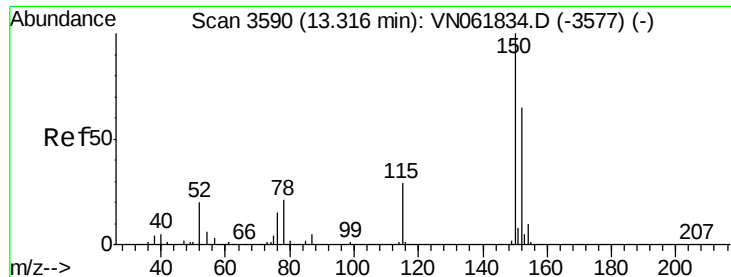
#71
Bromoform
Concen: 0.617 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061903.D
Acq: 18 Jun 2020 16:27

Tgt Ion	Ratio	Lower	Upper
173	100		
175	662.0	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: VN061903.D

Acq: 18 Jun 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

S49-TB-2020-3

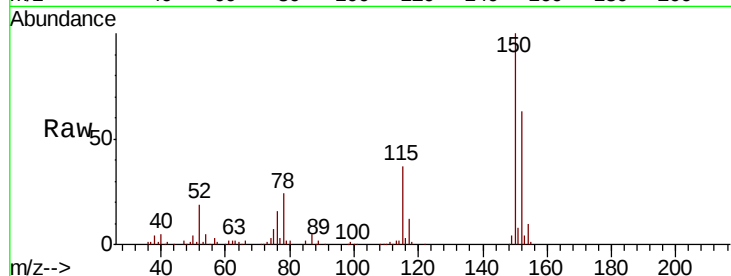
Tot Ion:152 Resp: 92861

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.3

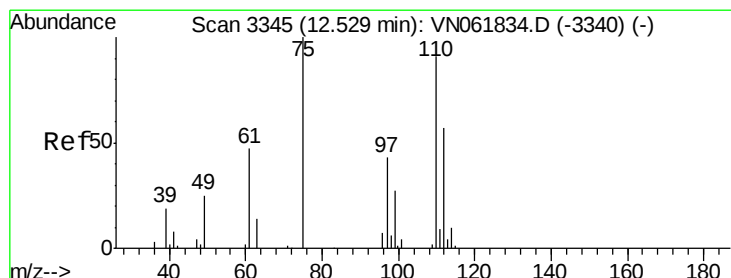
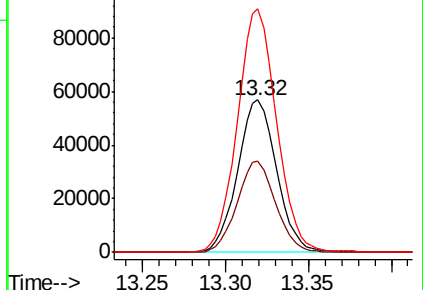
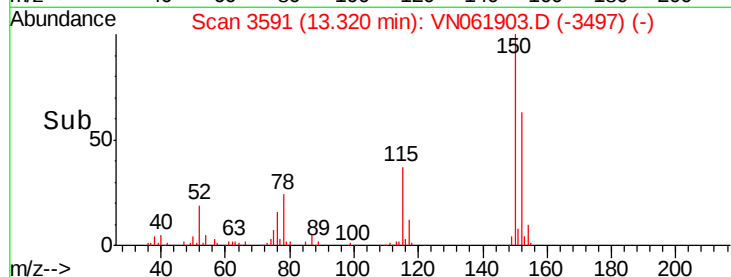
150 161.2 0.0 347.6



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: 28.004 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061903.D

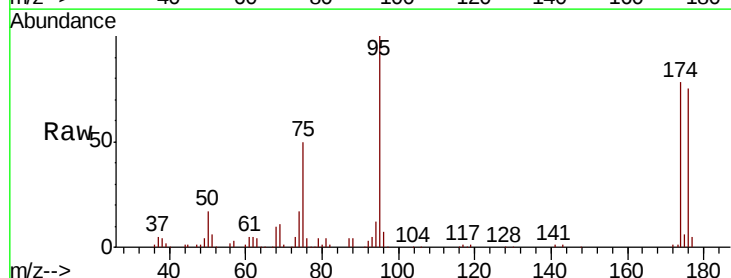
Acq: 18 Jun 2020 16:27

Tgt Ion: 75 Resp: 51053

Ion Ratio Lower Upper

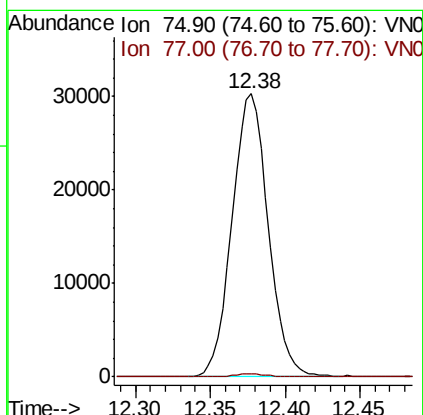
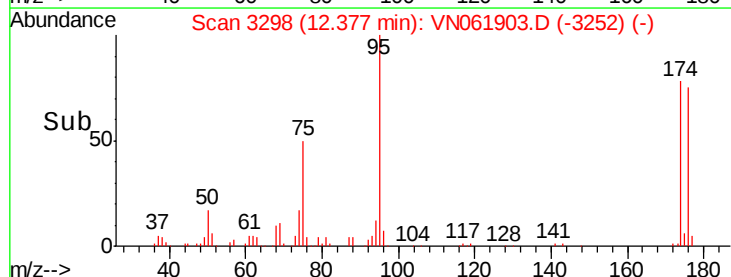
75 100

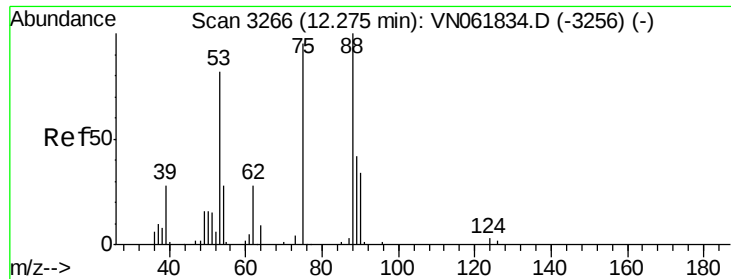
77 0.8 0.0 0.0#



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: 76.377 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061903.D

Acq: 18 Jun 2020 16:27

Instrument :

MSVOA_N

ClientSampleId :

S49-TB-2020-3

Tot Ion: 75 Resp: 51053

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

