

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061107.D
 Acq On : 20 Apr 2020 17:22
 Operator : JC/MD
 Sample : L2330-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-3

Quant Time: Apr 21 04:00:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	146062	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	250735	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	236837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	99808	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	7.56	113	76019	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
50) Toluene-d8	10.08	98	312674	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	
62) 4-Bromofluorobenzene	12.40	95	114896	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

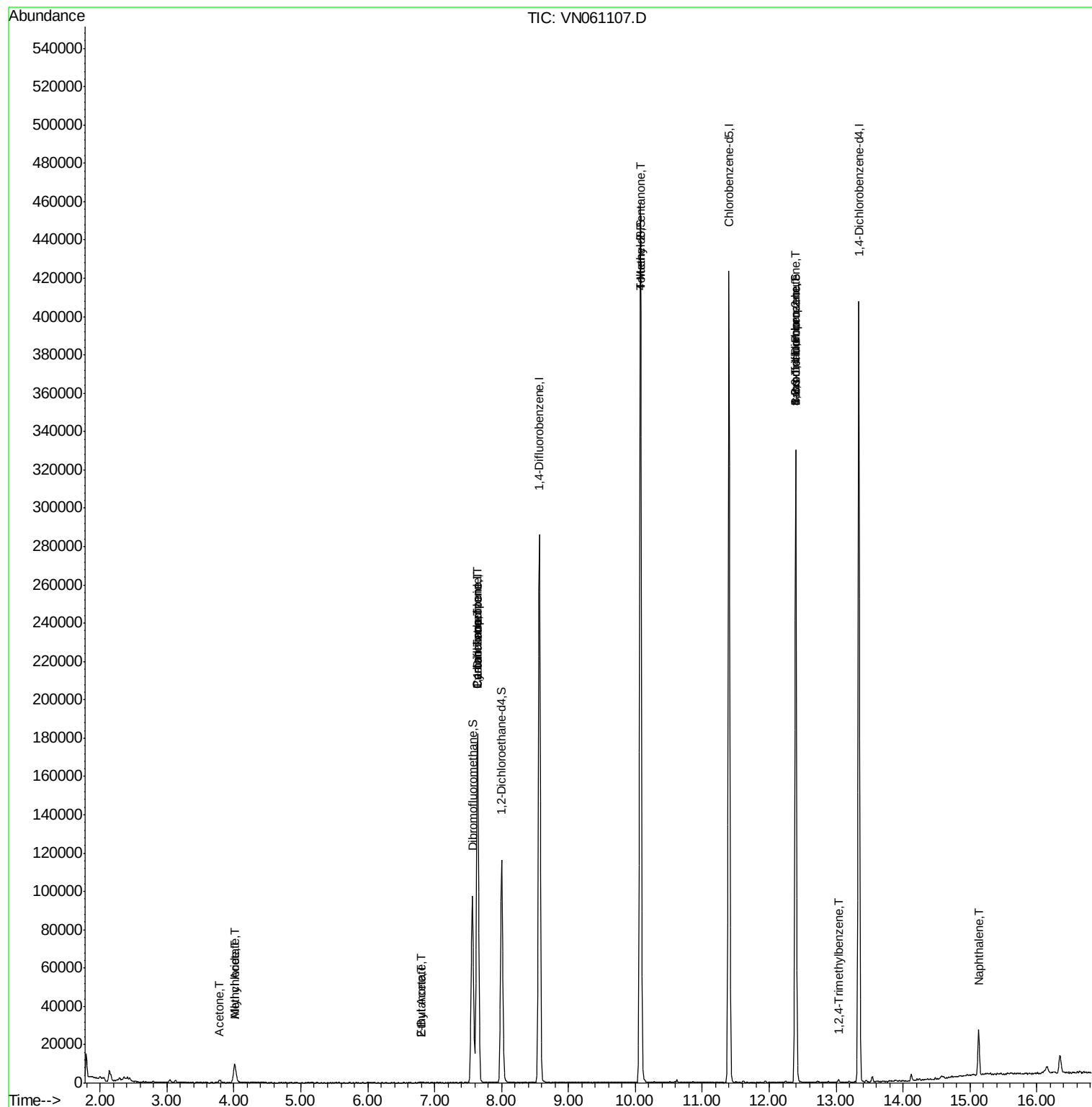
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	857	0.283	ug/l #	30
16) Acetone	3.78	43	2440	2.966	ug/l	97
18) Methyl Acetate	4.01	43	3398	1.317	ug/l #	54
25) 2-Butanone	6.82	43	703	0.558	ug/l #	51
31) Cyclohexane	7.64	56	3232	0.928	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11744	4.539	ug/l #	50
37) Ethyl Acetate	6.82	43	703	0.250	ug/l #	69
38) Carbon Tetrachloride	7.64	117	14309	6.644	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	1554	0.590	ug/l #	1
71) Bromoform	12.40	173	763	0.584	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	58789	25.440	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	58789	62.751	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	1378	0.200	ug/l	84
95) Naphthalene	15.13	128	20659	3.581	ug/l	100

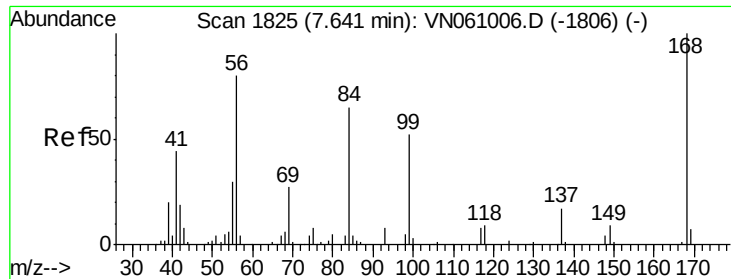
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 17 03:49:39 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampled :

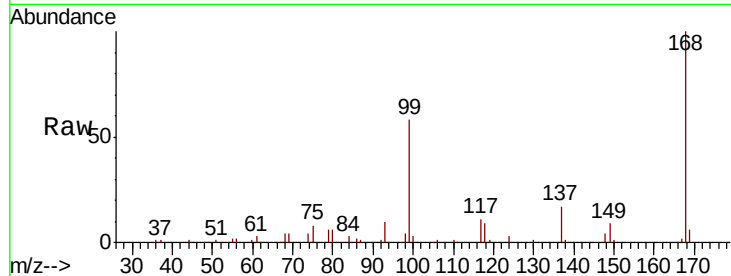
PA-TWP-3

Tot Ion:168 Resp: 146062

Ion Ratio Lower Upper

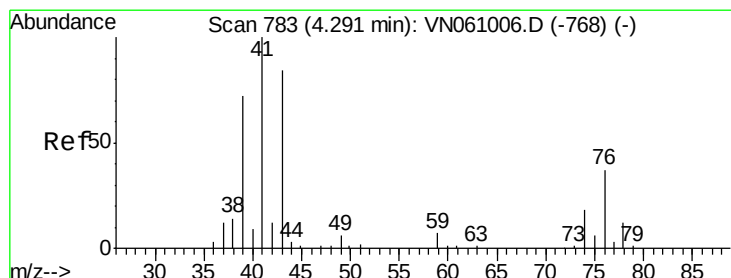
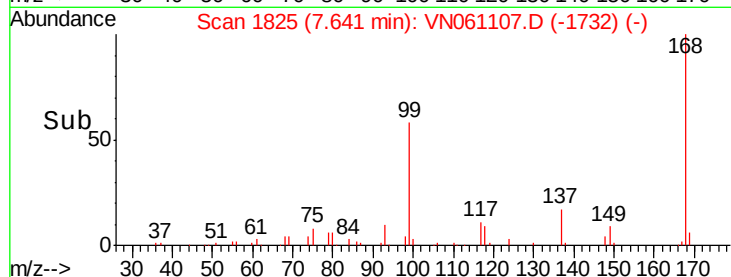
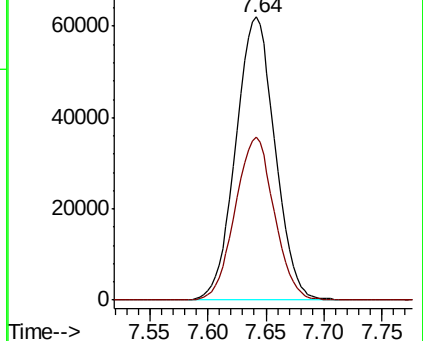
168 100

99 57.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 0.283 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.27 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

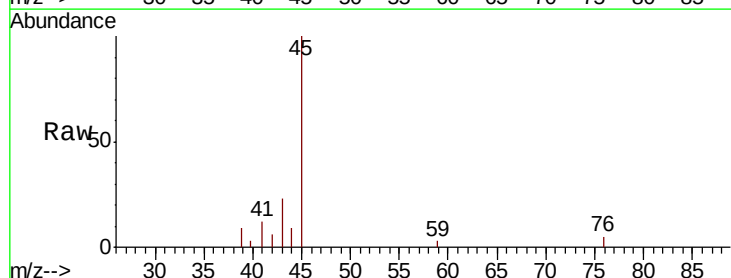
Tgt Ion: 41 Resp: 857

Ion Ratio Lower Upper

41 100

39 9.1 56.3 84.5#

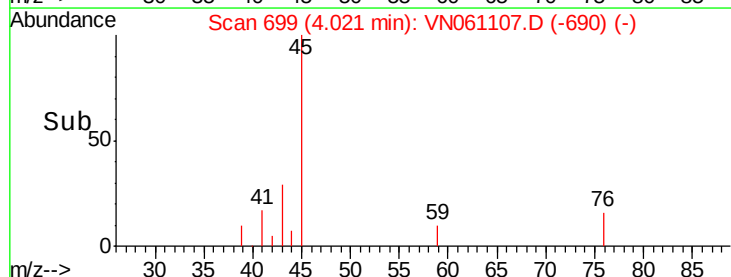
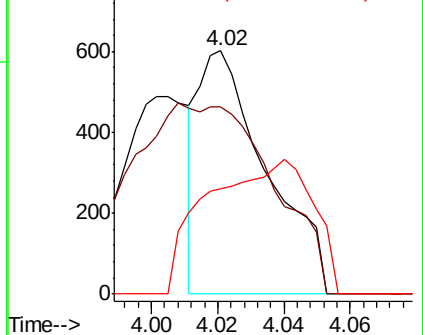
76 0.0 27.7 41.5#

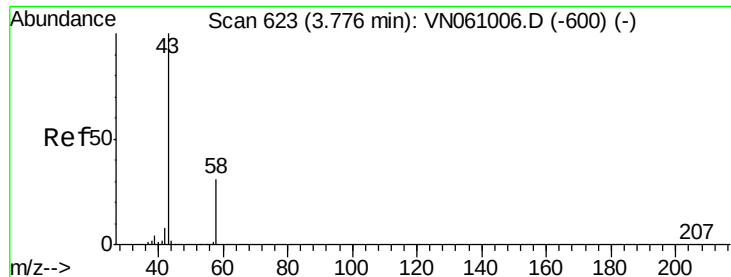


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 2.966 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

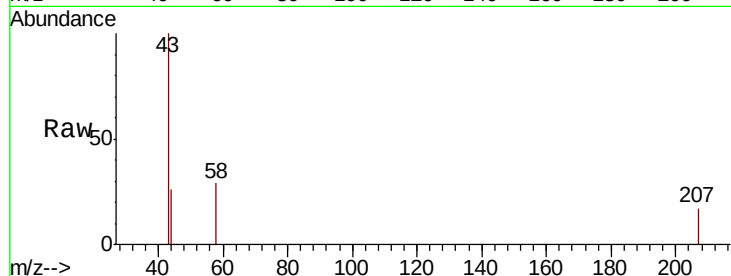
PA-TWP-3

Tot Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

58 29.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061107.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061107.D (-530) (-)

3.78

800

600

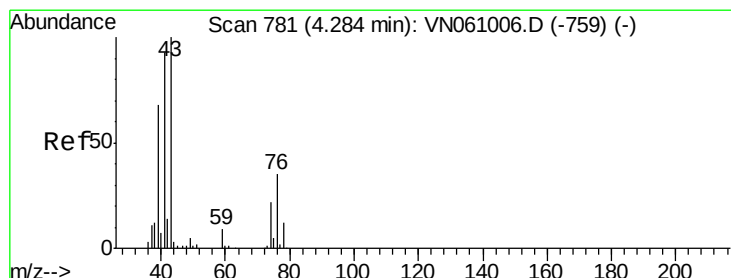
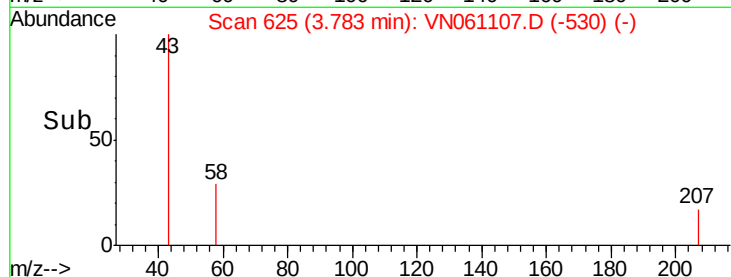
400

200

0

3.75 3.80 3.85

Time-->



#18

Methyl Acetate

Concen: 1.317 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.28 min

Lab File: VN061107.D

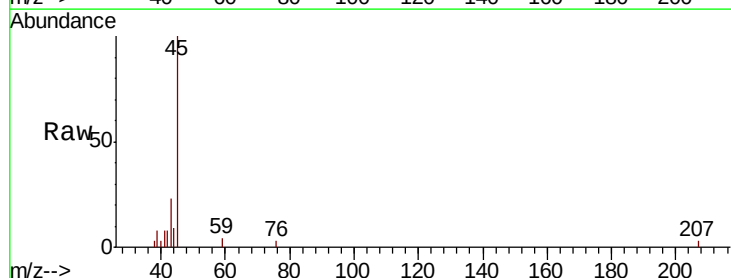
Acq: 20 Apr 2020 17:22

Tgt Ion: 43 Resp: 3398

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061107.D (-688) (-)

Ion 74.00 (73.70 to 74.70): VN061107.D (-688) (-)

4.01

1500

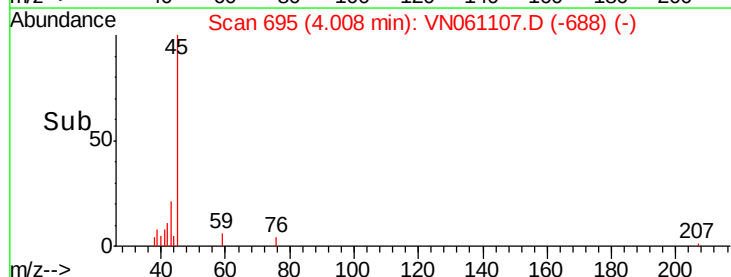
1000

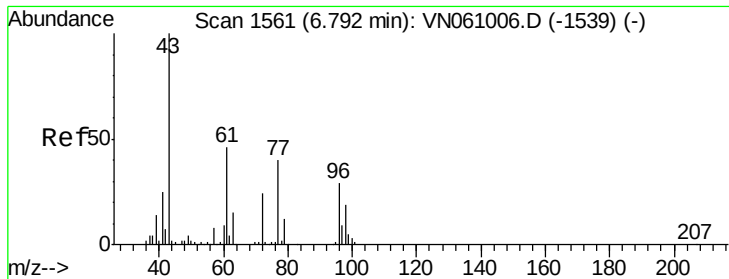
500

0

4.00 4.05 4.10

Time-->

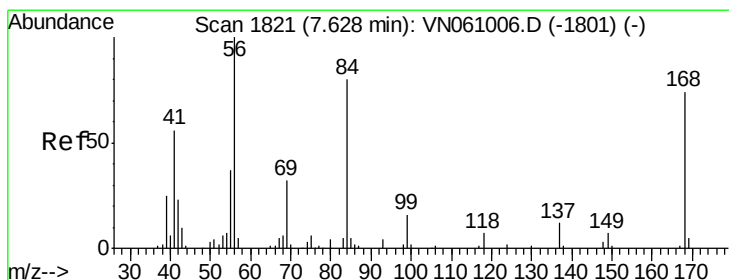
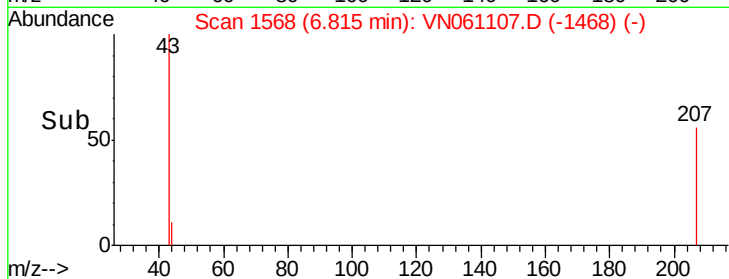
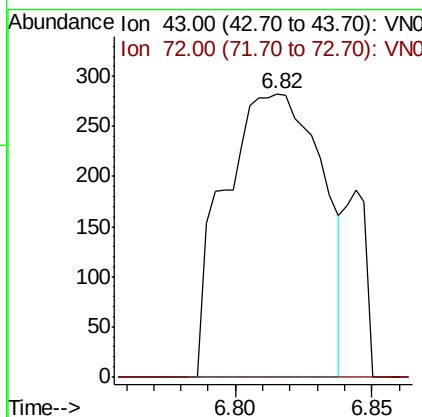
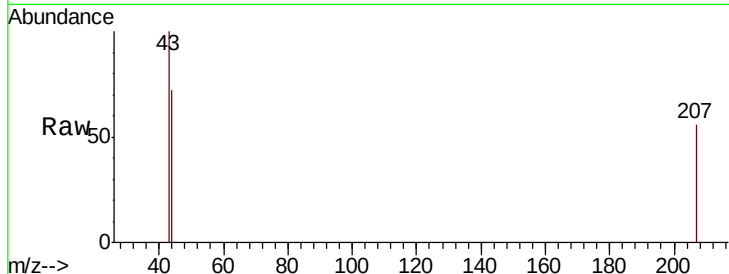




#25
2-Butanone
Concen: 0.558 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN061107.D
Acq: 20 Apr 2020 17:22

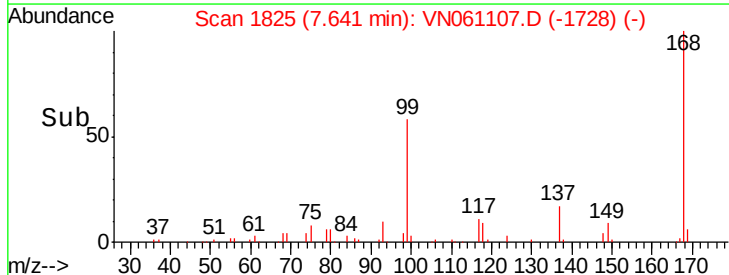
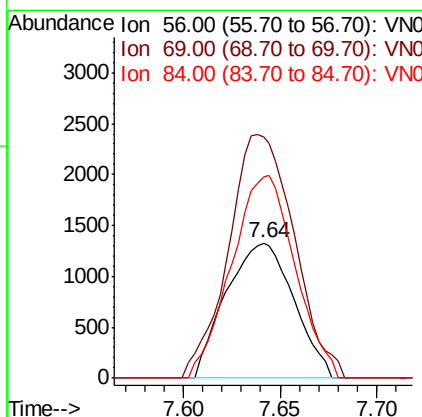
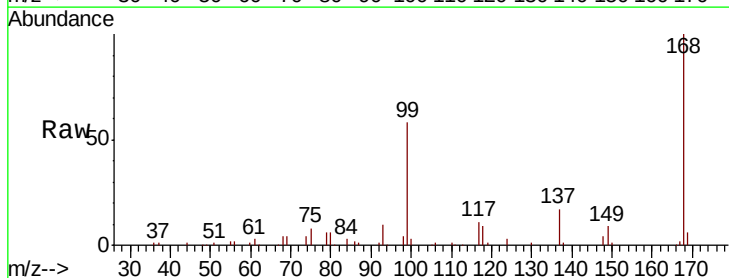
Instrument :
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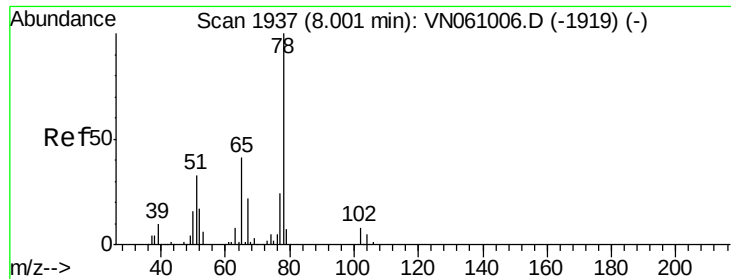
Tot Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#31
Cyclohexane
Concen: 0.928 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN061107.D
Acq: 20 Apr 2020 17:22

Tgt Ion: 56 Resp: 3232
Ion Ratio Lower Upper
56 100
69 166.5 25.6 38.4#
84 149.0 63.4 95.2#

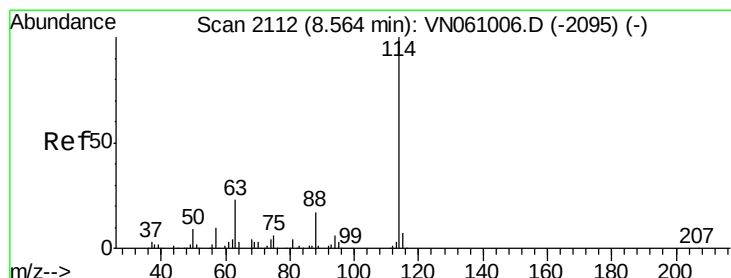
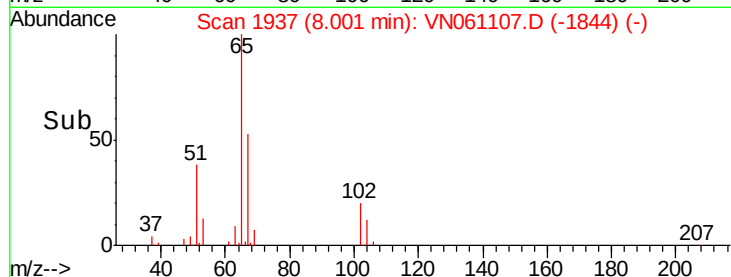
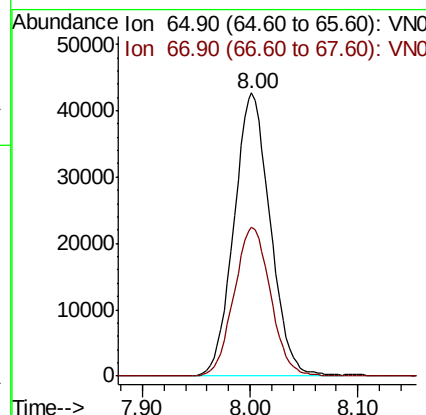
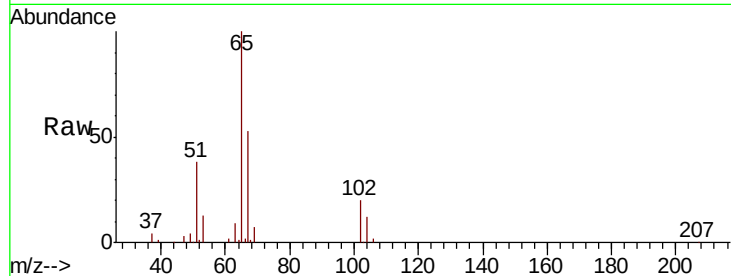




#33
 1,2-Dichloroethane-d4
 Concen: 53.409 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061107.D
 Acq: 20 Apr 2020 17:22

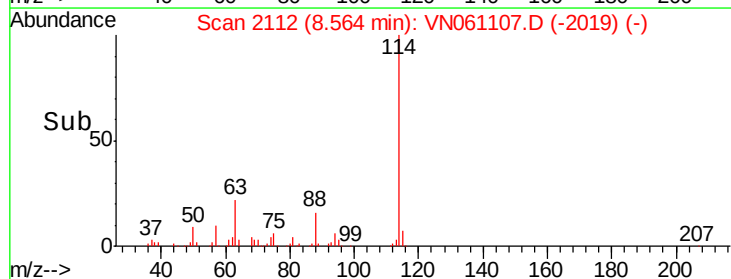
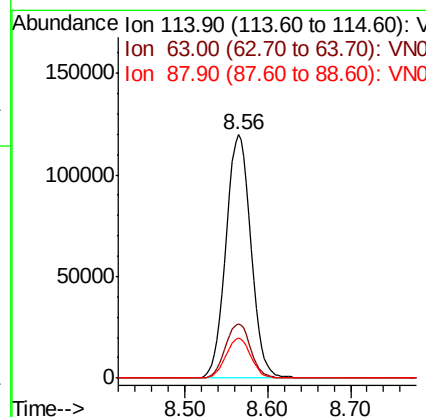
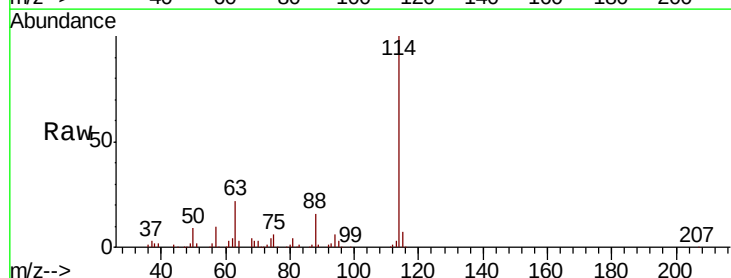
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-3

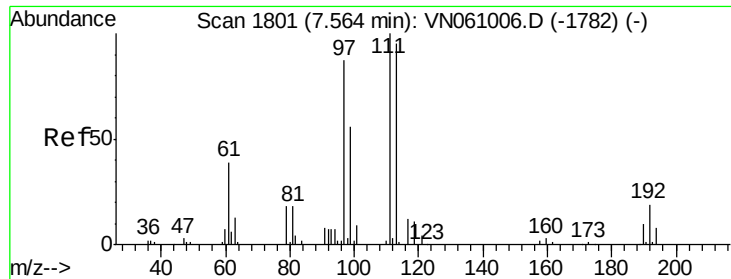
Tot Ion: 65 Resp: 99808
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061107.D
 Acq: 20 Apr 2020 17:22

Tgt Ion: 114 Resp: 250735
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.2
 88 16.3 0.0 33.4

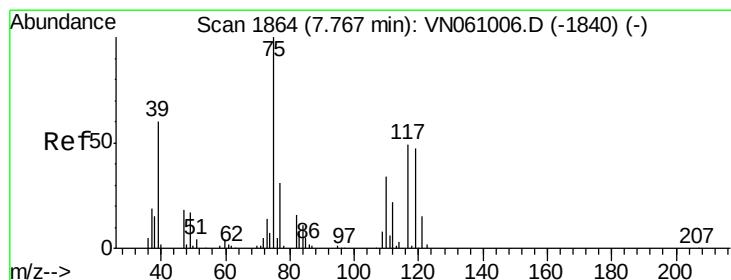
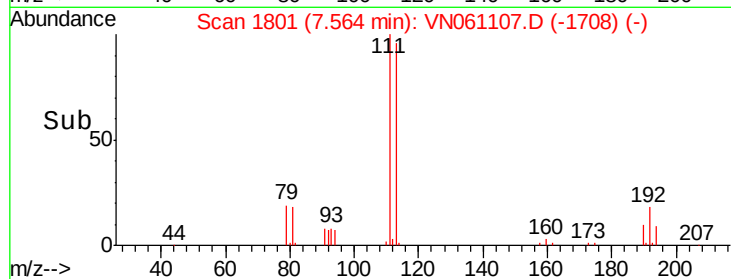
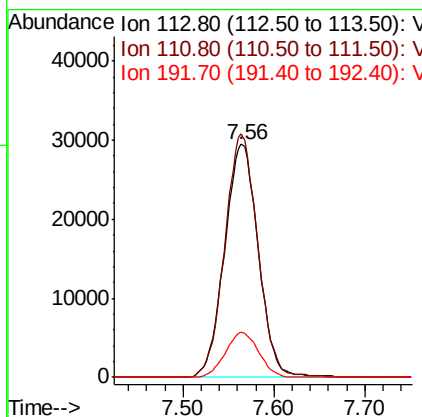
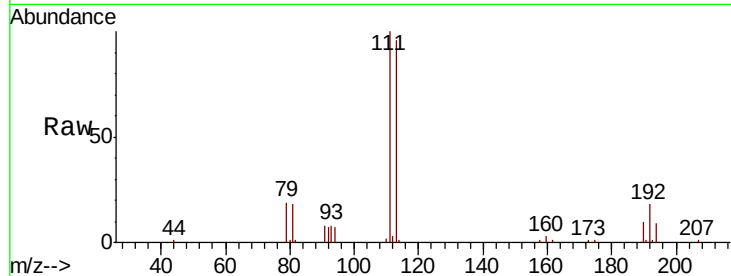




#35
 Dibromofluoromethane
 Concen: 51.916 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061107.D
 Acq: 20 Apr 2020 17:22

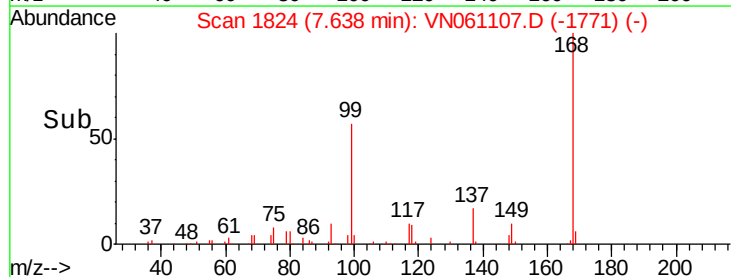
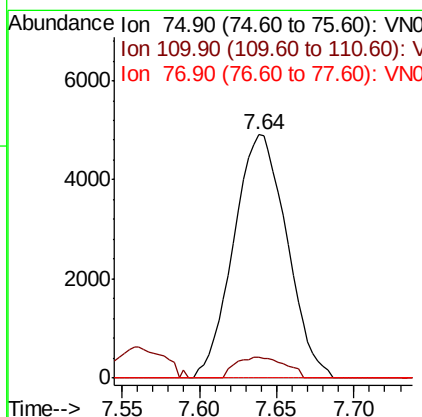
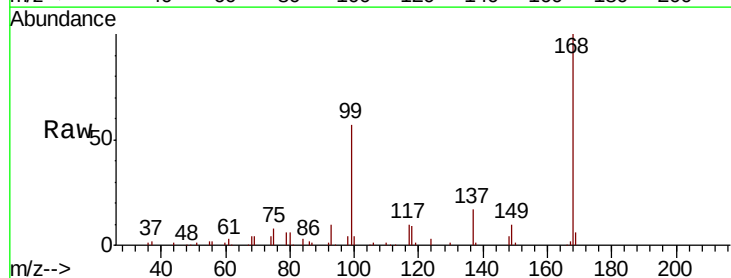
Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-3

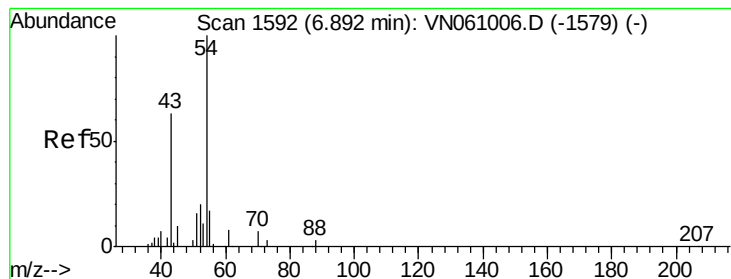
Tot Ion:113 Resp: 76019
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.4 125.2
 192 19.0 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.539 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061107.D
 Acq: 20 Apr 2020 17:22

Tgt Ion: 75 Resp: 11744
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.8 50.3#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.250 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.08 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-3

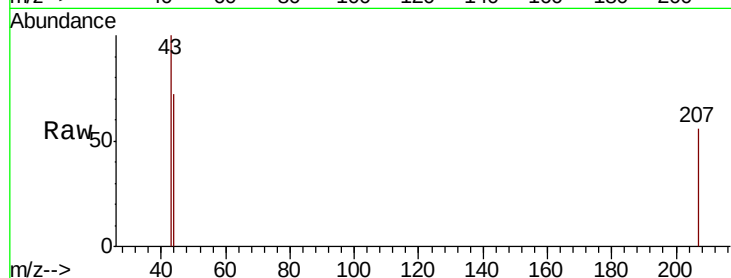
Tot Ion: 43 Resp: 703

Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061107.D (-1568) (-)

Ion 60.90 (60.60 to 61.60): VN061107.D (-1568) (-)

Ion 70.00 (69.70 to 70.70): VN061107.D (-1568) (-)

6.82

300

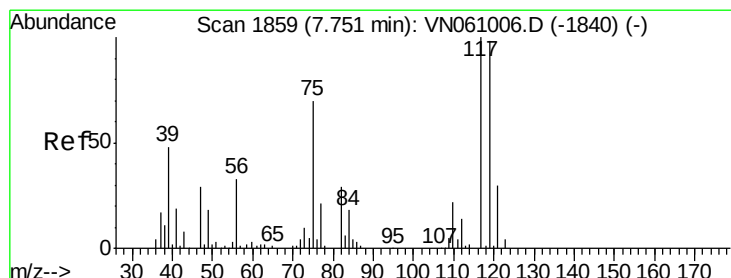
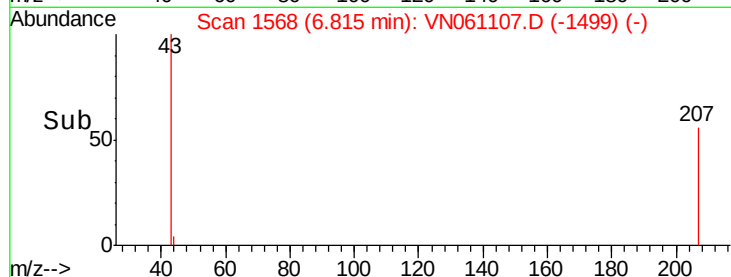
200

100

0

6.80 6.85

Time-->



#38

Carbon Tetrachloride

Concen: 6.644 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

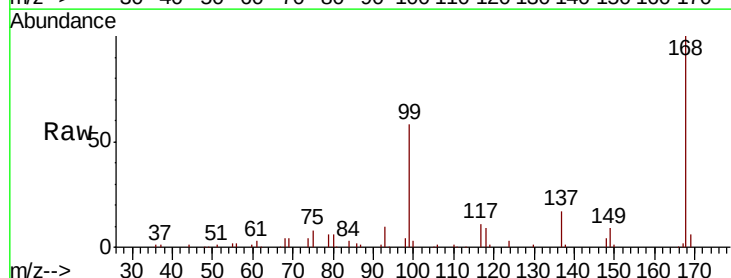
Tgt Ion: 117 Resp: 14309

Ion Ratio Lower Upper

117 100

119 4.8 78.1 117.1#

121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): VN061107.D (-1825) (-)

Ion 118.80 (118.50 to 119.50): VN061107.D (-1825) (-)

Ion 120.80 (120.50 to 121.50): VN061107.D (-1825) (-)

7.64

8000

6000

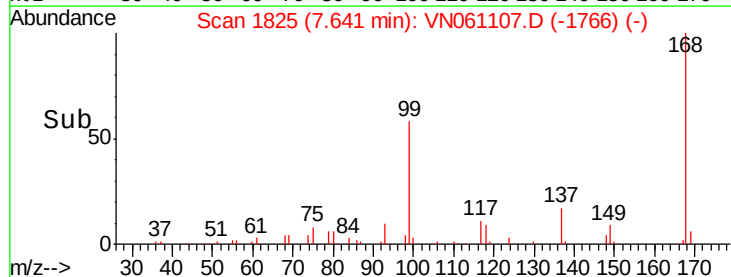
4000

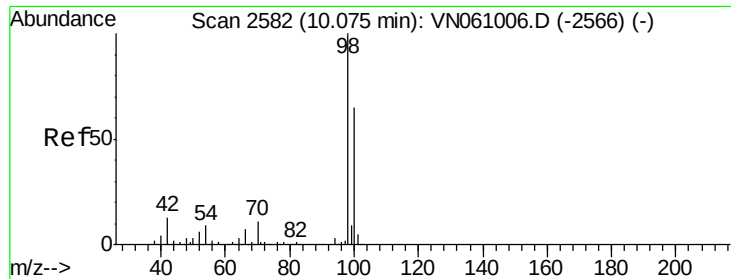
2000

0

7.55 7.60 7.65 7.70

Time-->

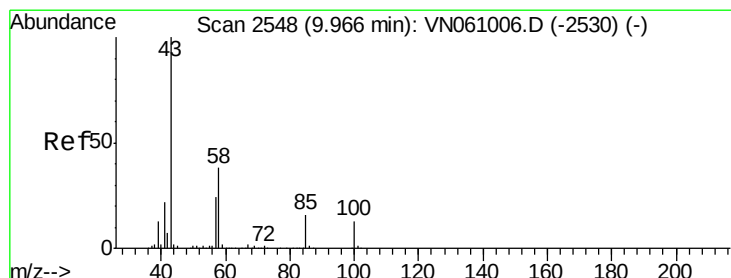
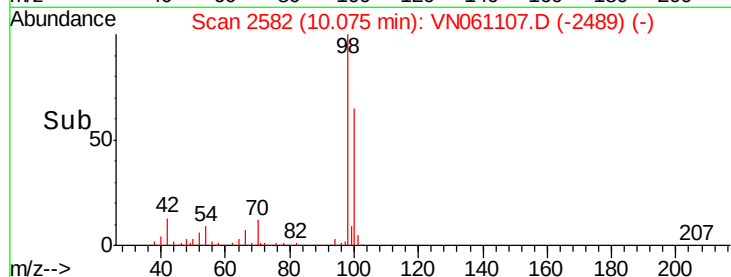
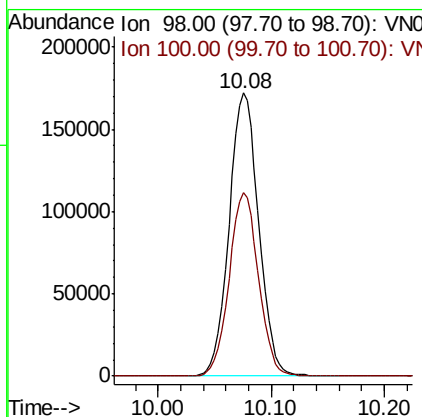
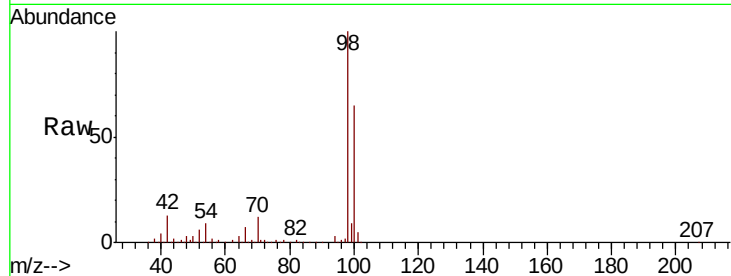




#50
Toluene-d8
Concen: 56.509 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061107.D
Acq: 20 Apr 2020 17:22

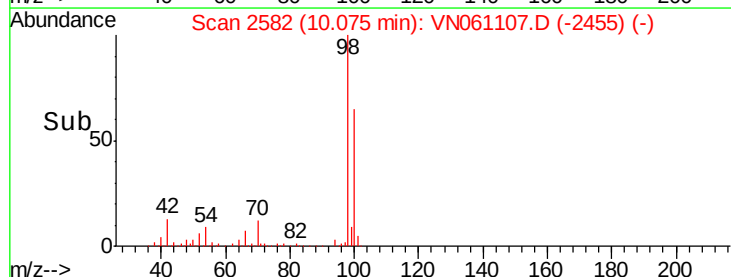
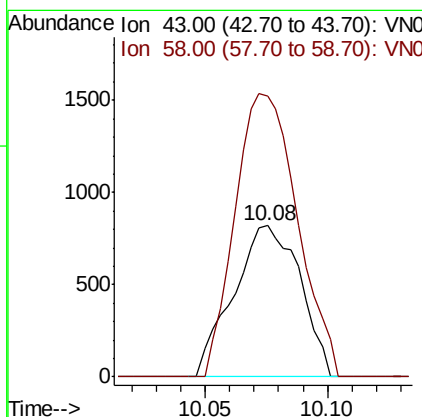
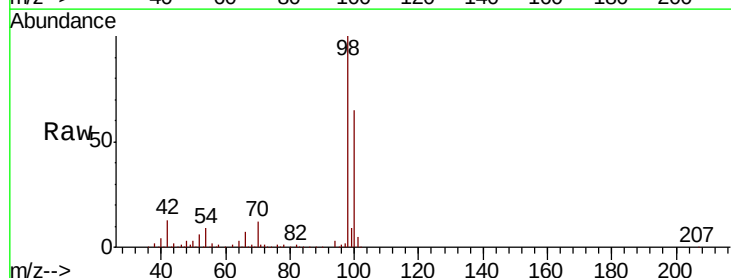
Instrument :
MSVOA_N
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PA-TWP-3

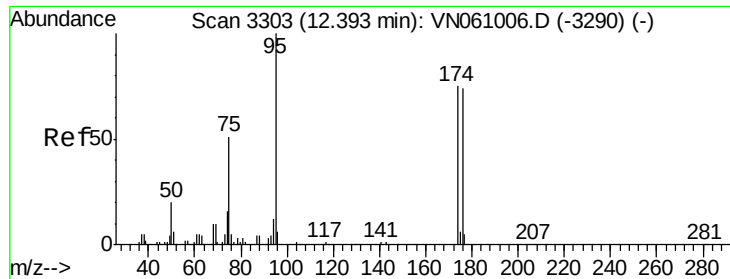
Tot Ion: 98 Resp: 312674
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.590 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.11 min
Lab File: VN061107.D
Acq: 20 Apr 2020 17:22

Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
58 174.9 30.3 45.5#





#62

4-Bromofluorobenzene

Concen: 52.982 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

PA-TWP-3

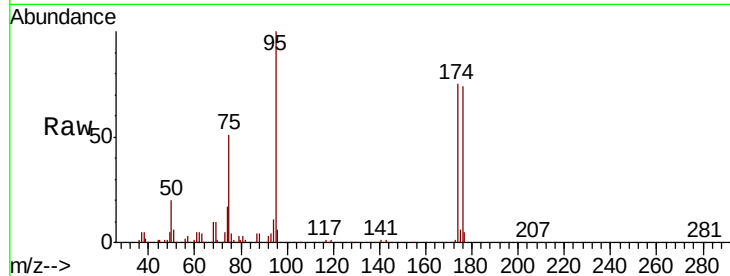
Tot Ion: 95 Resp: 114896

Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.2

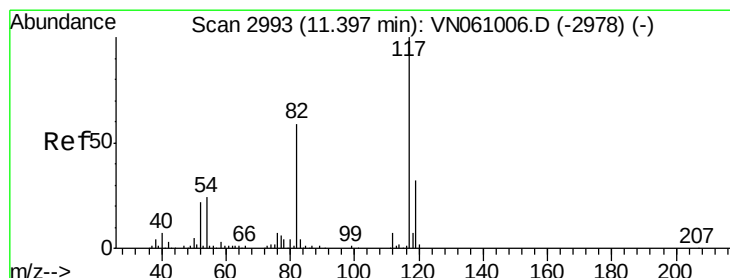
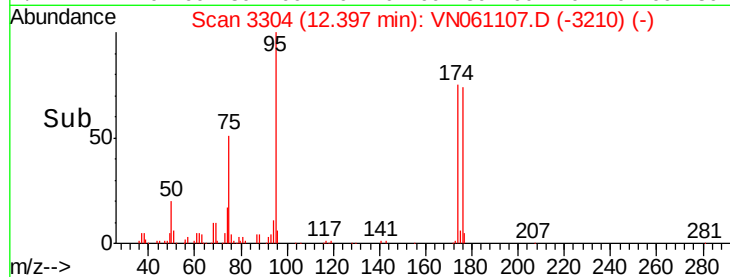
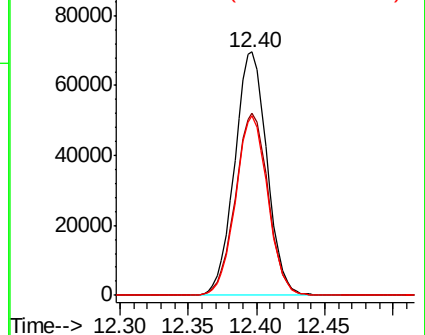
176 73.2 0.0 148.2



Abundance Ion 94.90 (94.60 to 95.60): VN061107.D (-3210) (-)

Ion 173.80 (173.50 to 174.50): VN061107.D (-3210) (-)

Ion 175.80 (175.50 to 176.50): VN061107.D (-3210) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. 0.00 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

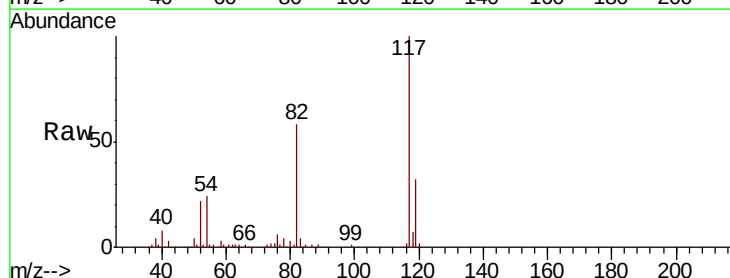
Tgt Ion: 117 Resp: 236837

Ion Ratio Lower Upper

117 100

82 58.5 47.1 70.7

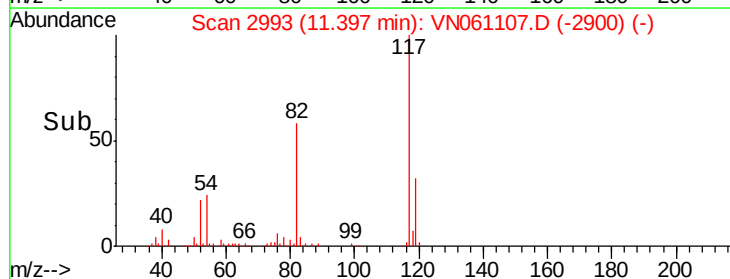
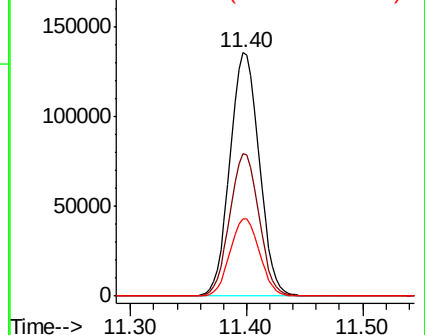
119 31.6 25.7 38.5

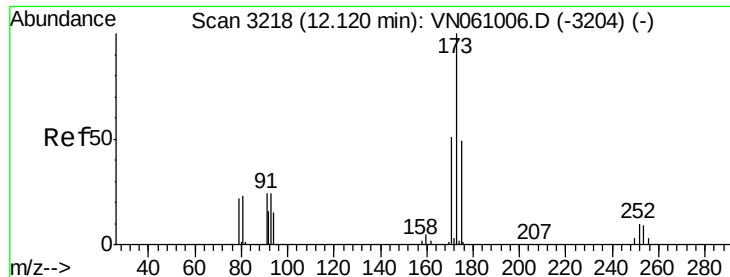


Abundance Ion 116.90 (116.60 to 117.60): VN061107.D (-2900) (-)

Ion 82.00 (81.70 to 82.70): VN061107.D (-2900) (-)

Ion 118.90 (118.60 to 119.60): VN061107.D (-2900) (-)





#71

Bromoform

Concen: 0.584 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampled :

PA-TWP-3

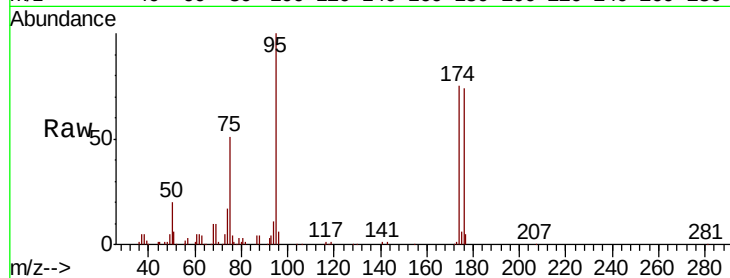
Tot Ion:173 Resp: 763

Ion Ratio Lower Upper

173 100

175 743.9 24.5 73.5#

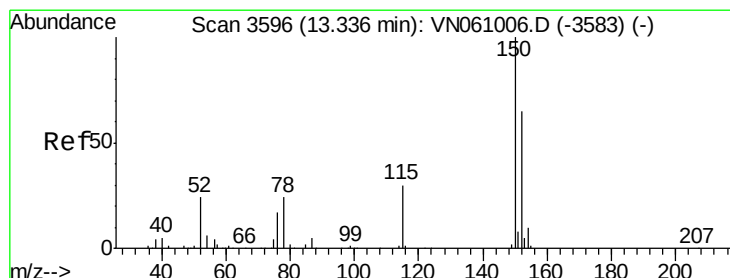
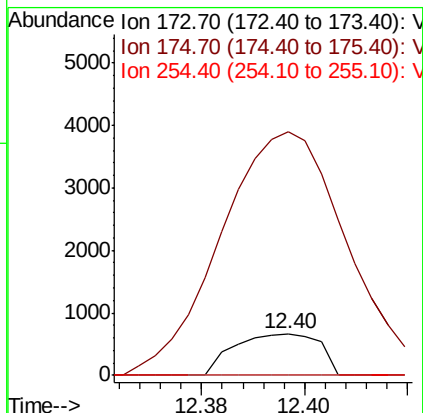
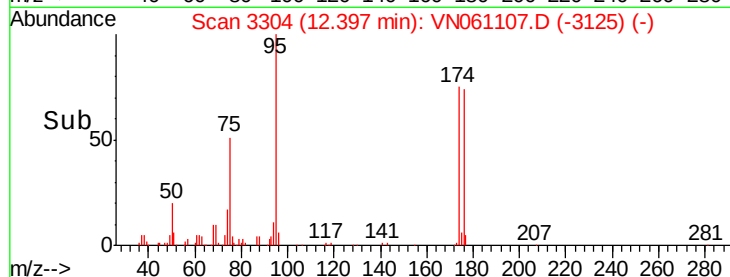
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

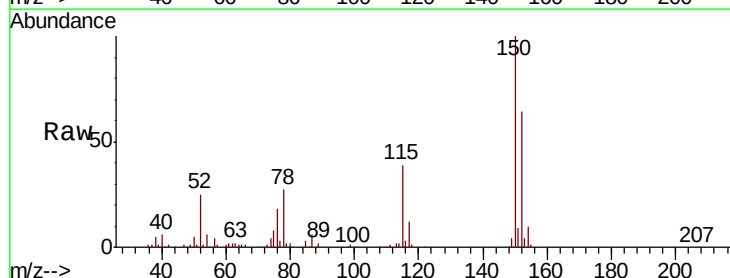
Tgt Ion:152 Resp: 105058

Ion Ratio Lower Upper

152 100

115 60.1 30.8 92.4

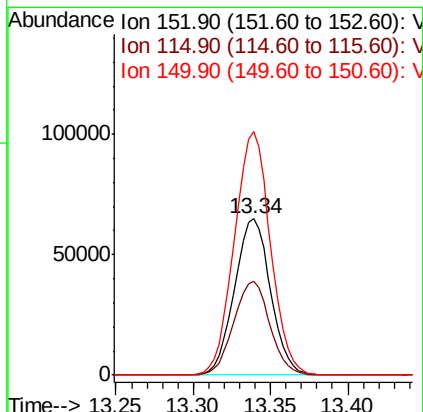
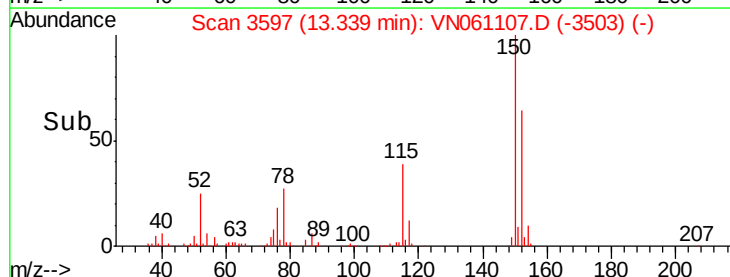
150 156.2 0.0 349.0

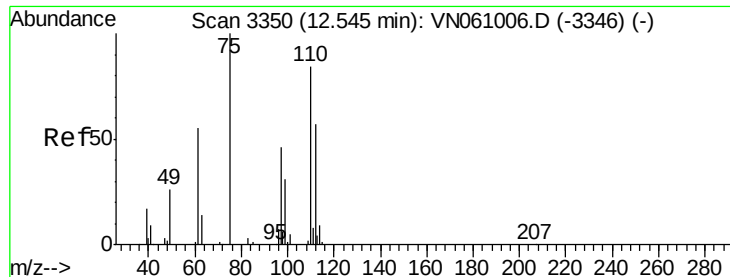


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.440 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

Instrument :

MSVOA_N

ClientSampleId :

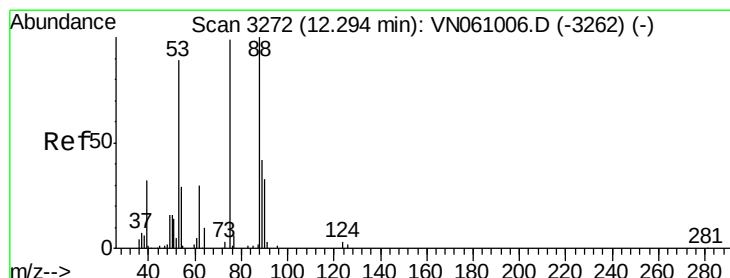
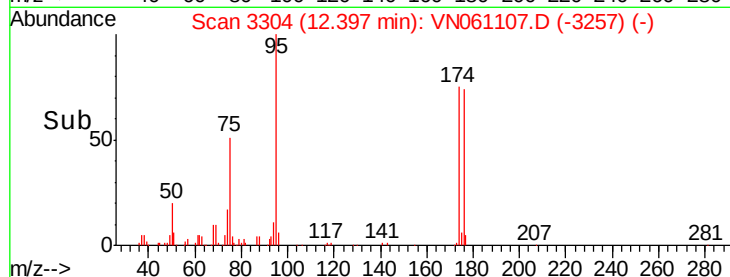
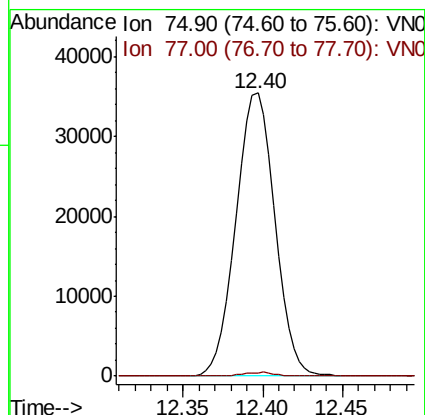
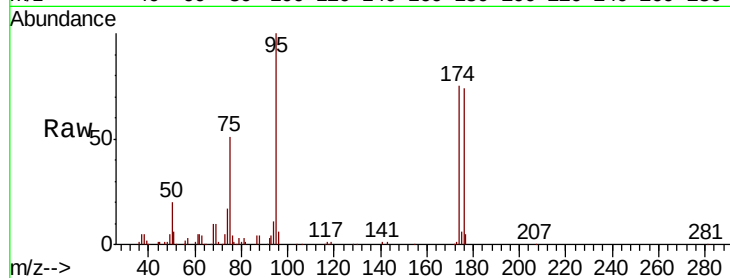
PA-TWP-3

Tot Ion: 75 Resp: 58789

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.751 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN061107.D

Acq: 20 Apr 2020 17:22

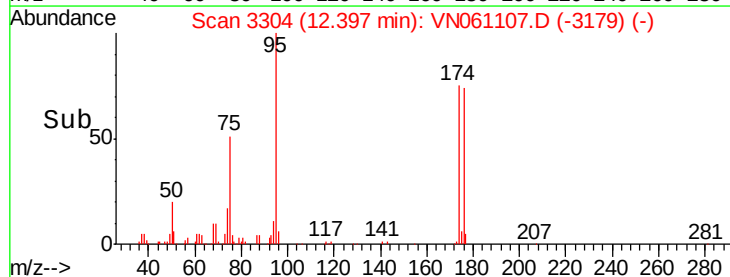
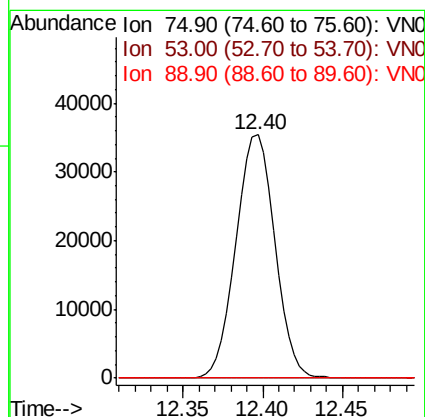
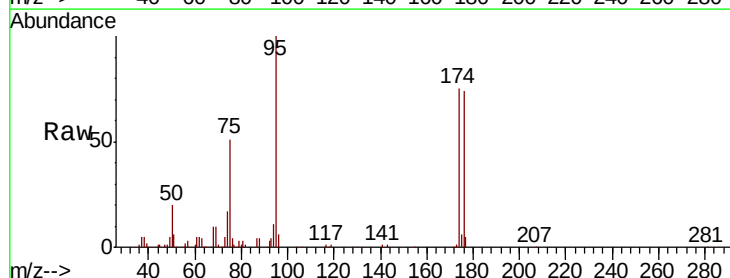
Tgt Ion: 75 Resp: 58789

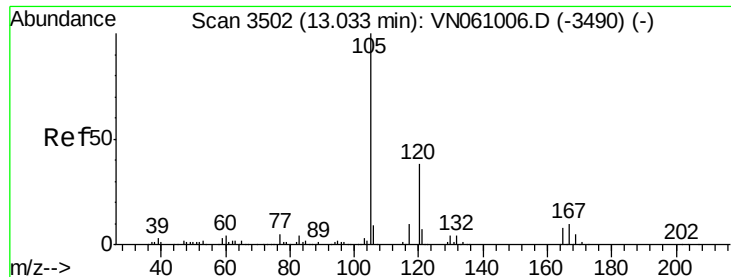
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

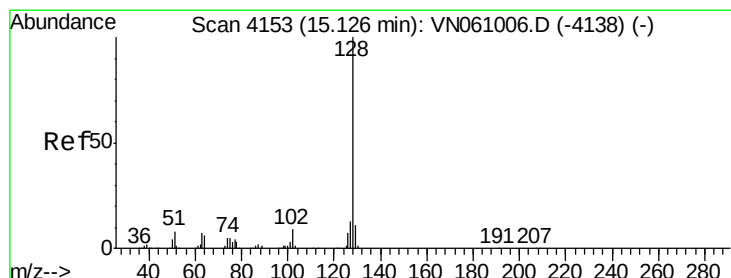
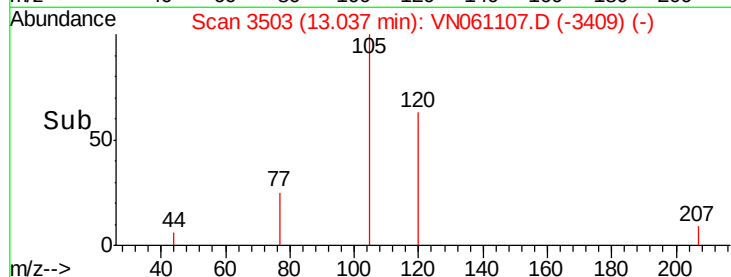
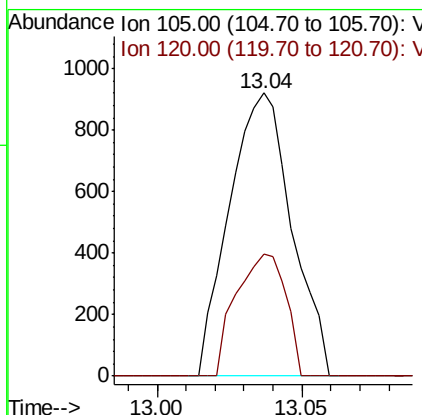
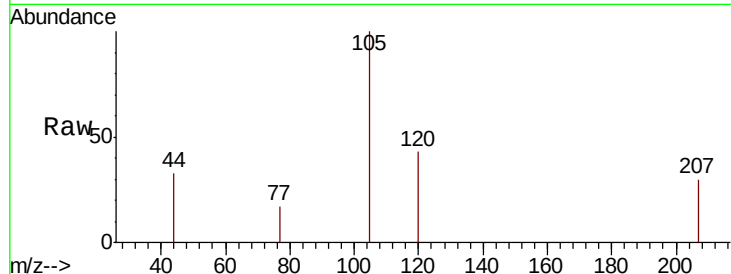




#84
 1,2,4-Trimethylbenzene
 Concen: 0.200 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN061107.D
 Acq: 20 Apr 2020 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-3

Tot Ion:105 Resp: 1378
 Ion Ratio Lower Upper
 105 100
 120 34.2 22.1 66.5



#95
 Naphthalene
 Concen: 3.581 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN061107.D
 Acq: 20 Apr 2020 17:22

Tgt Ion:128 Resp: 20659
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.2 15.4
 129 10.8 8.6 13.0

