

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
 Data File : VN060704.D
 Acq On : 25 Mar 2020 18:37
 Operator : JC/MD
 Sample : L1997-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D1-20200316

Quant Time: Mar 26 02:51:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	185310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	310267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131805	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	120993	47.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.12%	
35) Dibromofluoromethane	7.56	113	92360	49.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.46%	
50) Toluene-d8	10.08	98	380916	49.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.40	95	139690	49.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.48%	

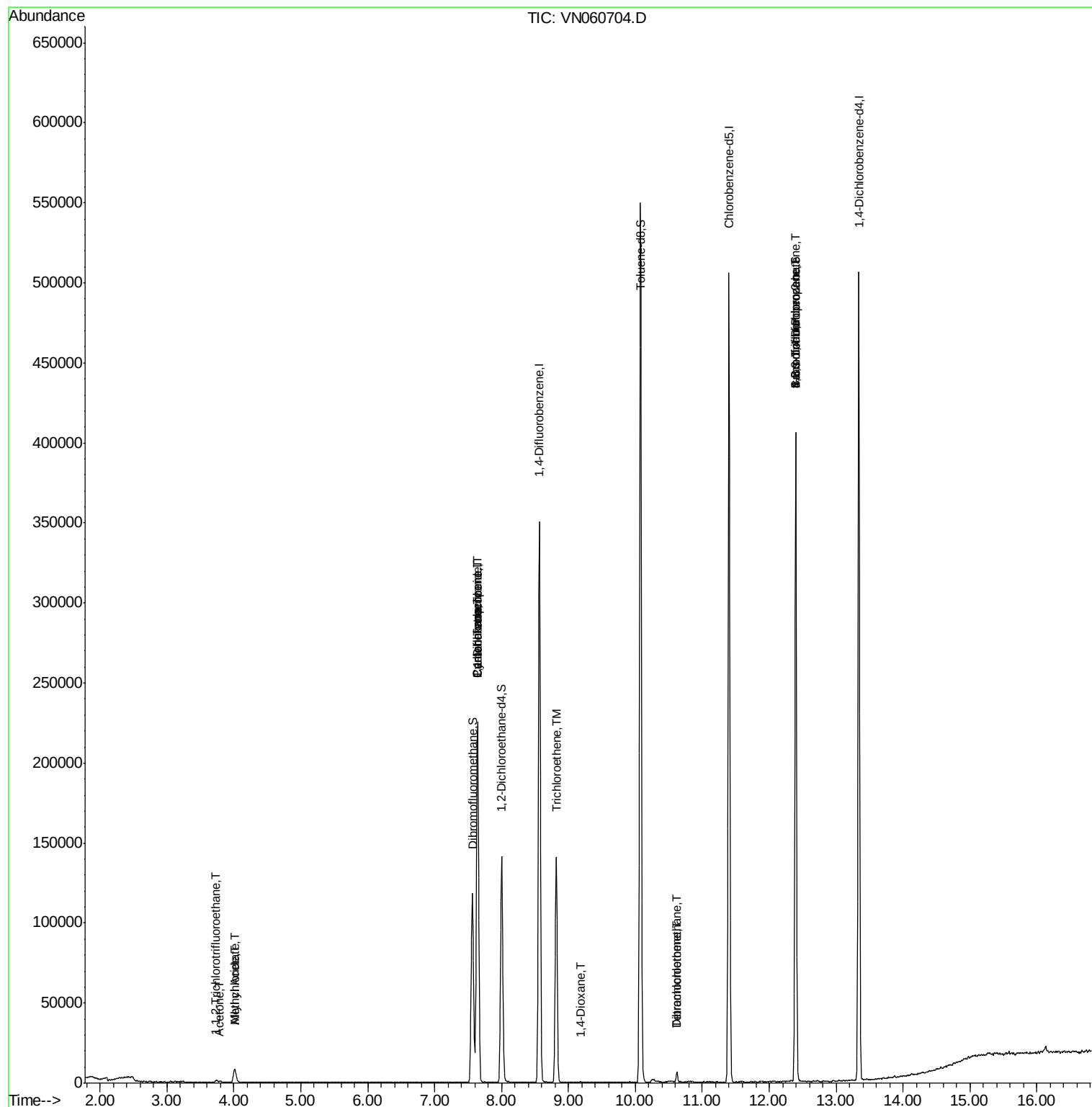
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.74	101	916	0.490	ug/l #	70
14) Allyl chloride	4.01	41	1135	0.322	ug/l #	71
16) Acetone	3.78	43	1367	1.517	ug/l #	88
18) Methyl Acetate	4.02	43	2873	1.133	ug/l #	54
31) Cyclohexane	7.64	56	3938	0.961	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14599	4.859	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17471	6.488	ug/l #	17
44) Trichloroethene	8.82	130	51828	22.669	ug/l	98
49) 1,4-Dioxane	9.18	88	136	4.800	ug/l #	38
60) Dibromochloromethane	10.62	129	1320	0.606	ug/l #	11
64) Tetrachloroethene	10.62	164	1528	0.676	ug/l	90
71) Bromoform	12.40	173	867	2.170	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	71585	25.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	71585	64.644	ug/l #	13

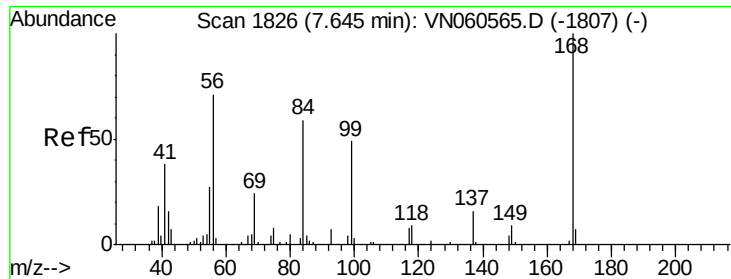
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060704.D

Acq: 25 Mar 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

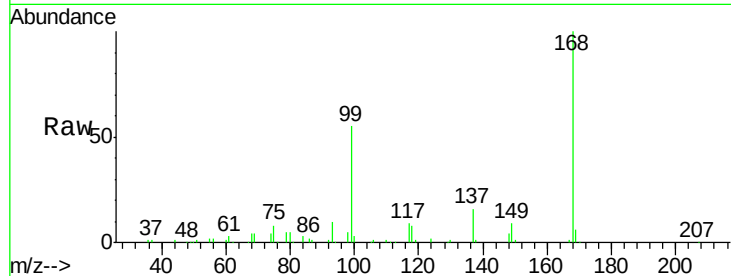
RE109D1-20200316

Tgt Ion:168 Resp: 185310

Ion Ratio Lower Upper

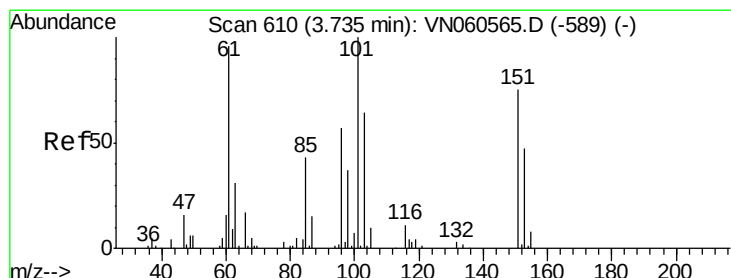
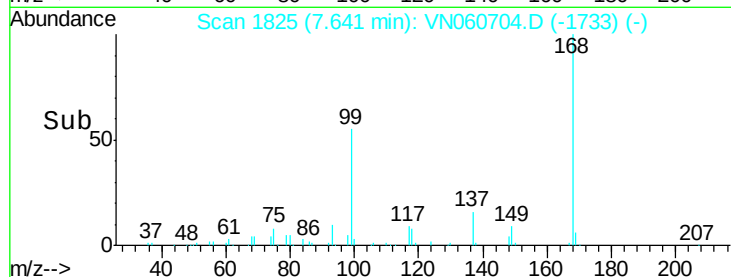
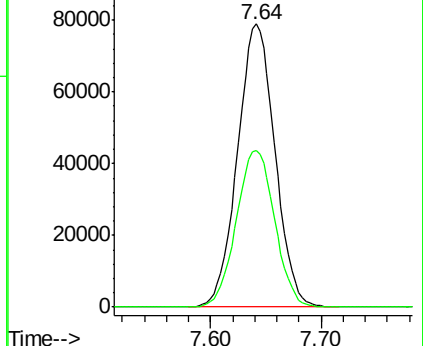
168 100

99 55.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.490 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

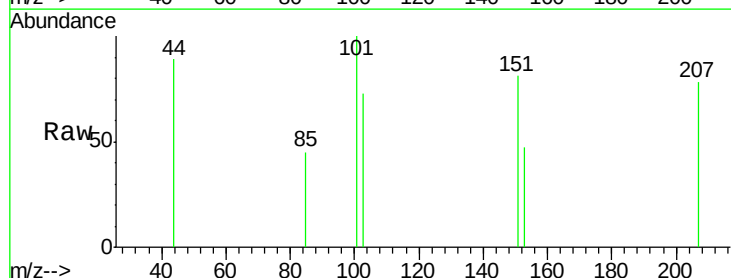
Tgt Ion:101 Resp: 916

Ion Ratio Lower Upper

101 100

85 11.2 35.6 53.4#

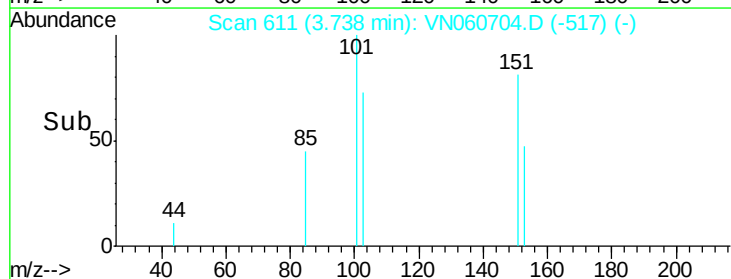
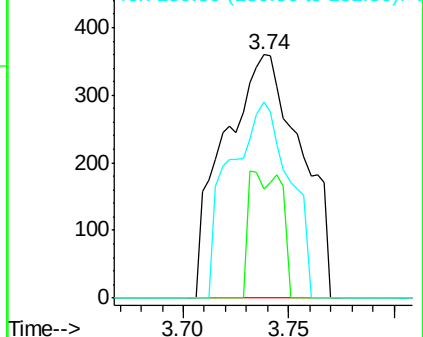
151 62.1 61.4 92.2

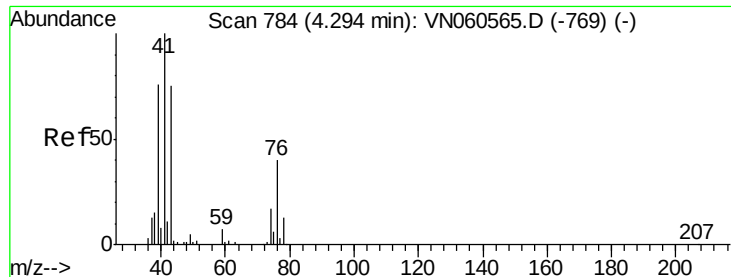


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

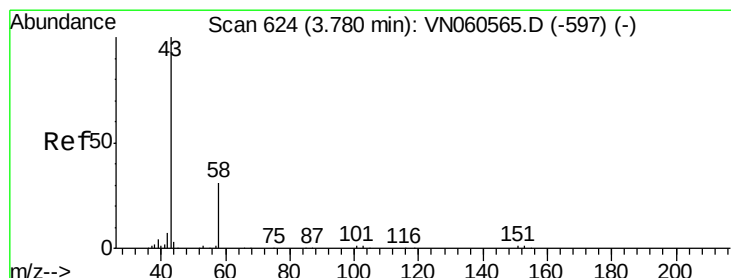
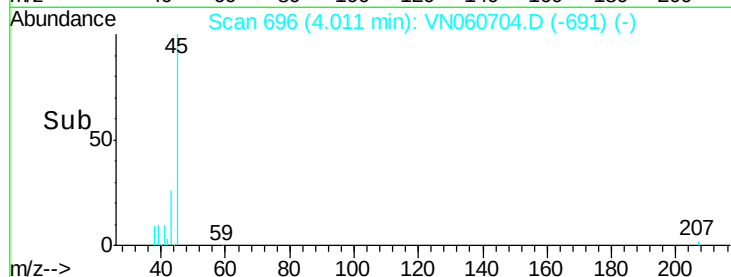
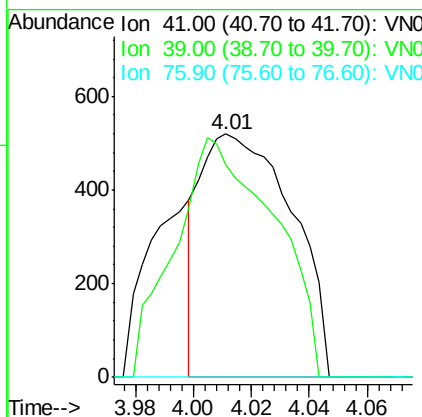
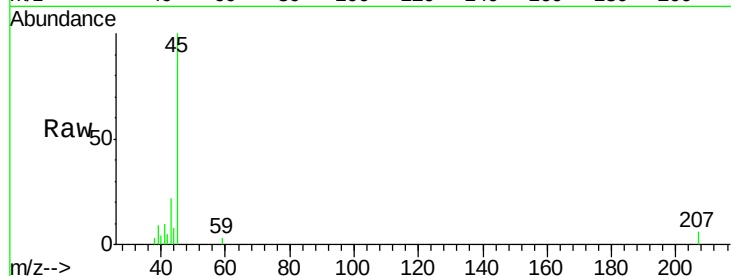




#14
 Allyl chloride
 Concen: 0.322 ug/l
 RT: 4.01 min Scan# 696
 Delta R.T. -0.28 min
 Lab File: VN060704.D
 Acq: 25 Mar 2020 18:37

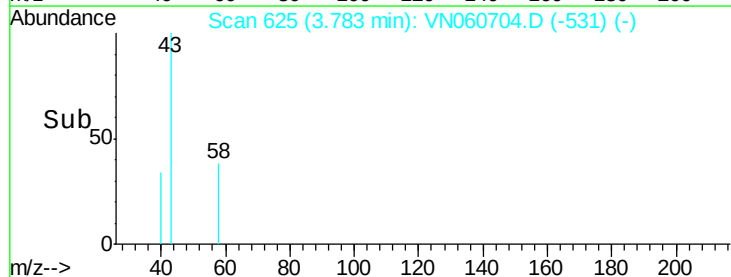
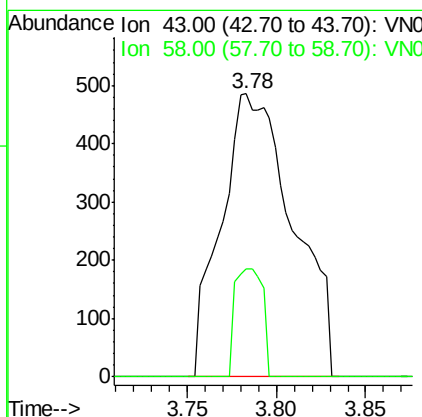
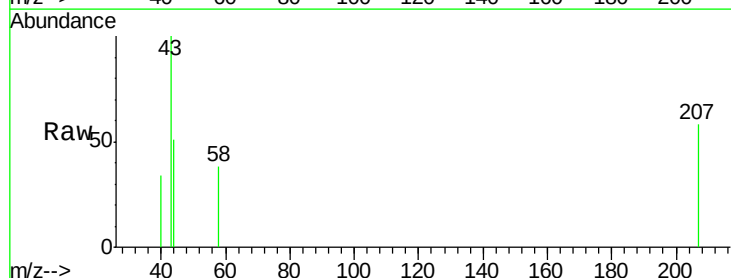
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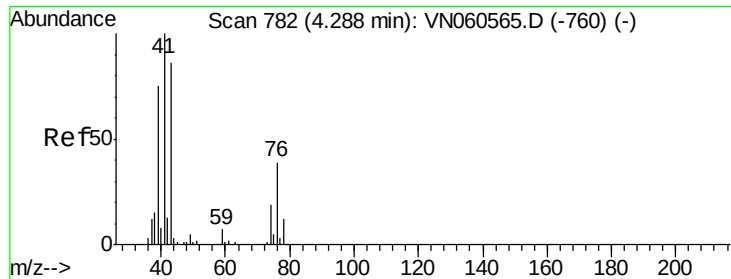
Tgt Ion: 41 Resp: 1135
 Ion Ratio Lower Upper
 41 100
 39 82.8 57.8 86.8
 76 0.0 28.6 43.0#



#16
 Acetone
 Concen: 1.517 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: VN060704.D
 Acq: 25 Mar 2020 18:37

Tgt Ion: 43 Resp: 1367
 Ion Ratio Lower Upper
 43 100
 58 38.1 25.1 37.7#

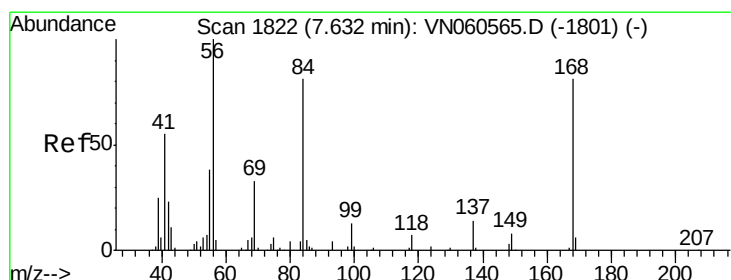
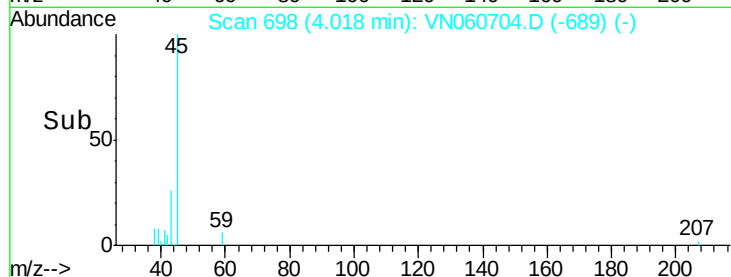
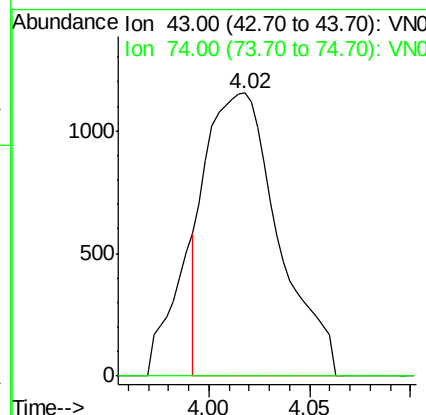
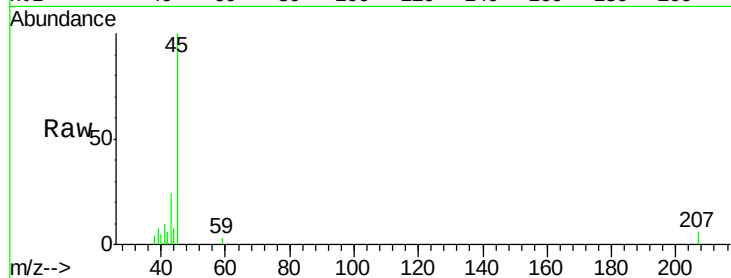




#18
Methyl Acetate
Concen: 1.133 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.27 min
Lab File: VN060704.D
Acq: 25 Mar 2020 18:37

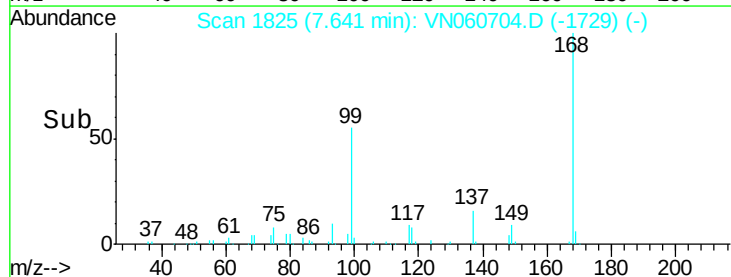
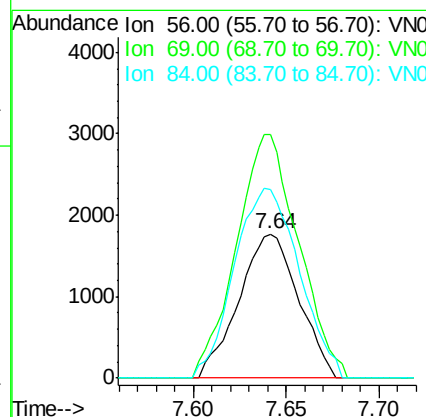
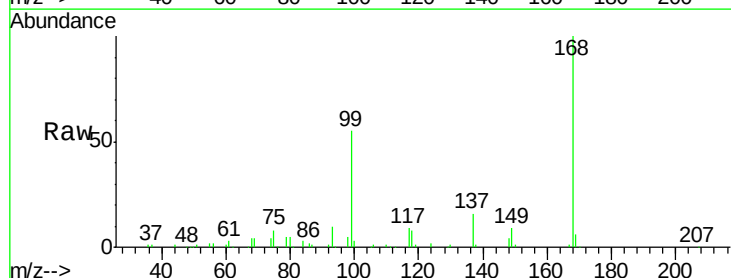
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ClientSampleId :
RE109D1-20200316

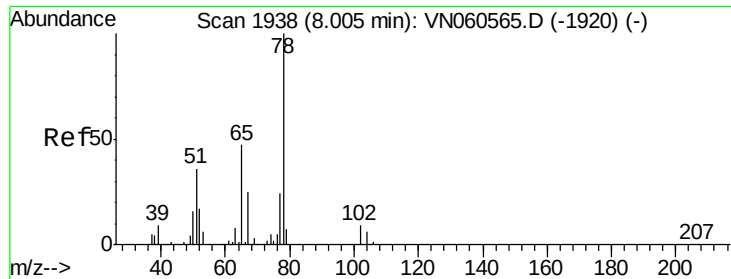
Tgt Ion: 43 Resp: 2873
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#31
Cyclohexane
Concen: 0.961 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060704.D
Acq: 25 Mar 2020 18:37

Tgt Ion: 56 Resp: 3938
Ion Ratio Lower Upper
56 100
69 168.9 26.6 40.0#
84 130.6 64.3 96.5#

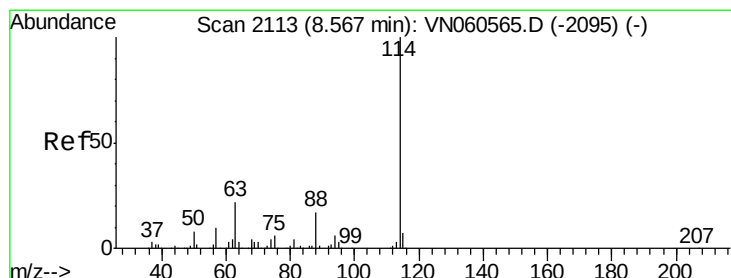
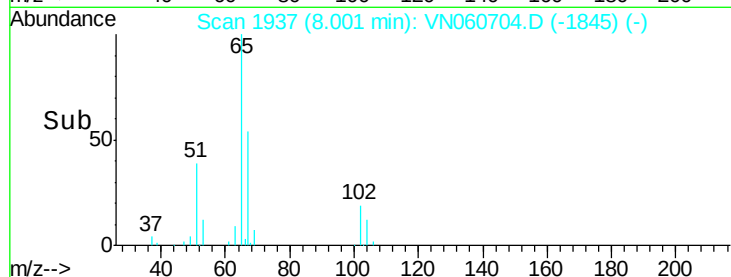
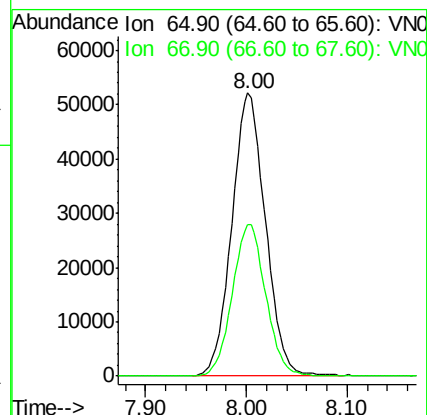
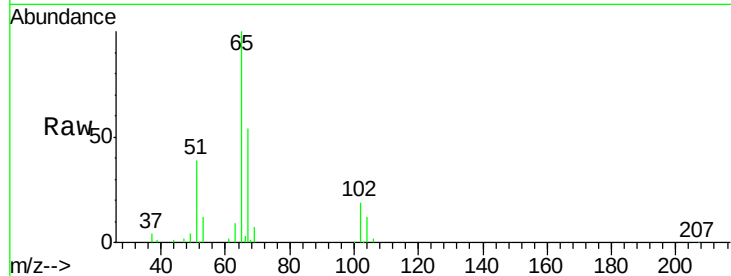




#33
 1,2-Dichloroethane-d4
 Concen: 47.562 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060704.D
 Acq: 25 Mar 2020 18:37

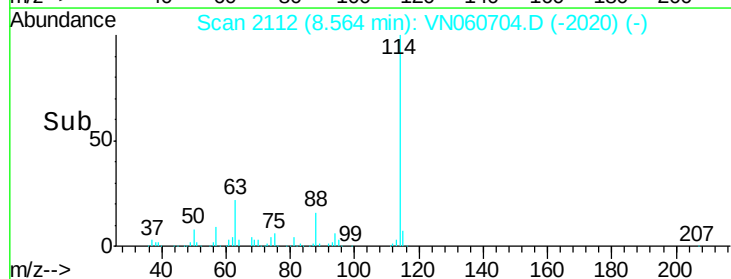
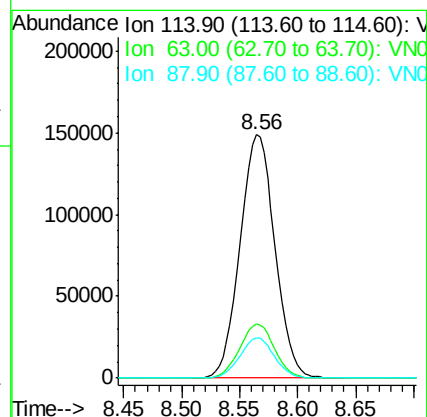
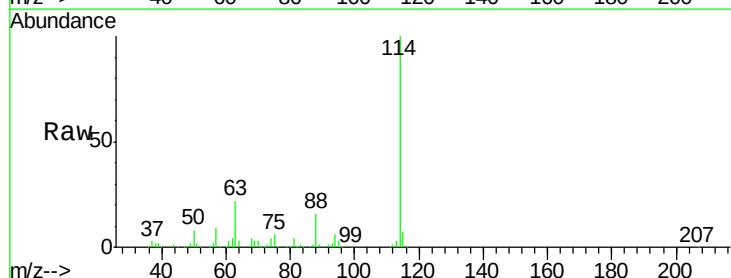
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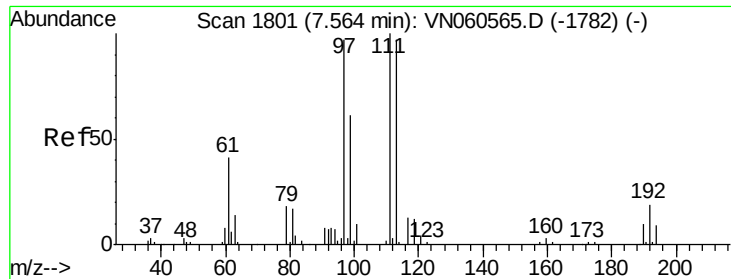
Tgt Ion: 65 Resp: 120993
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060704.D
 Acq: 25 Mar 2020 18:37

Tgt Ion: 114 Resp: 310267
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.5 0.0 33.0

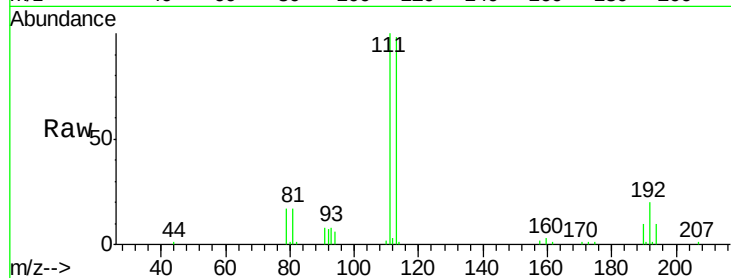




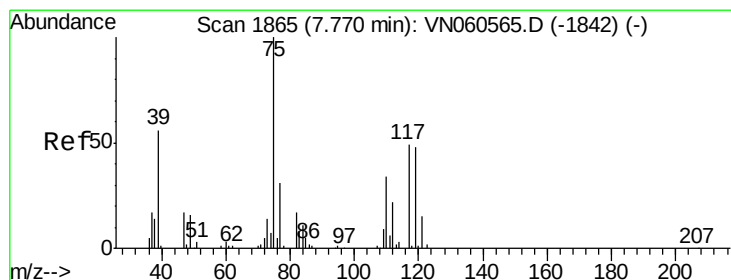
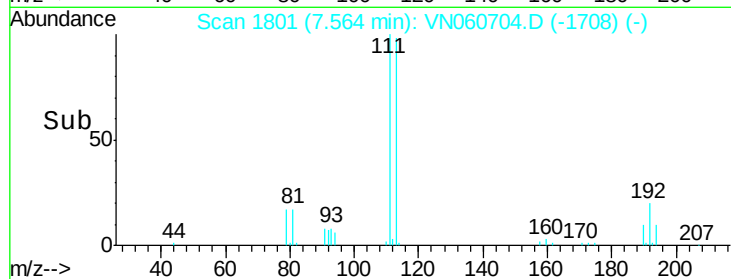
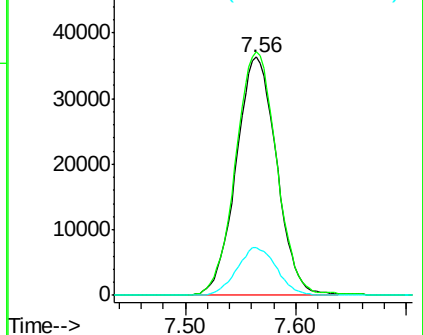
#35
 Dibromofluoromethane
 Concen: 49.230 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060704.D
 Acq: 25 Mar 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:113 Resp: 92360
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 19.7 15.8 23.8

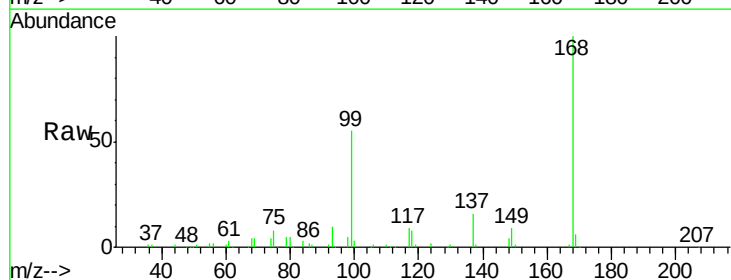


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

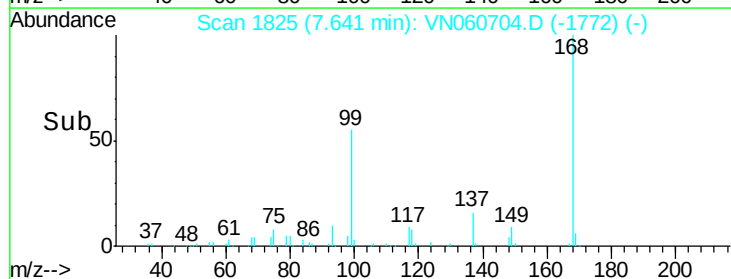
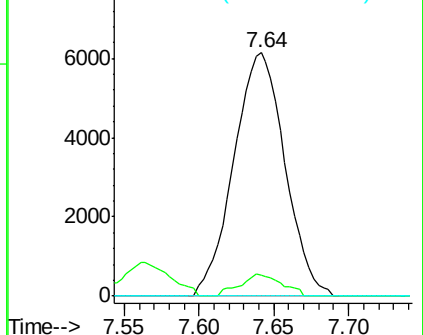


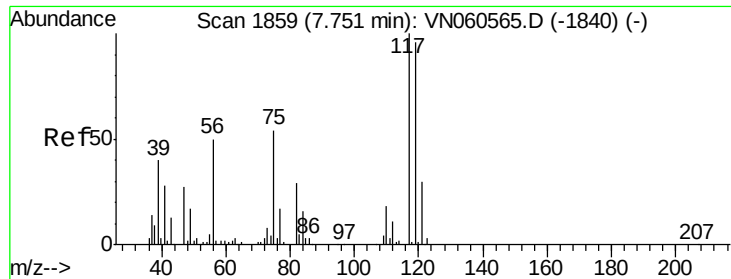
#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060704.D
 Acq: 25 Mar 2020 18:37

Tgt Ion: 75 Resp: 14599
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.9 50.6#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.488 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

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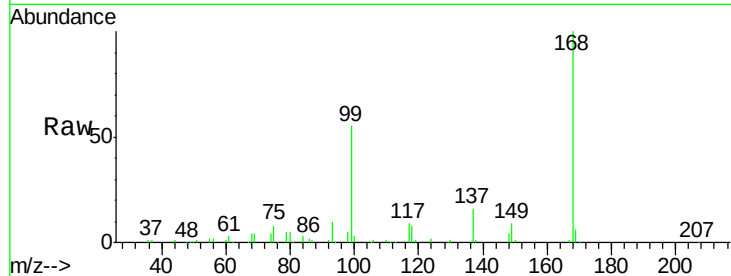
Tgt Ion:117 Resp: 17471

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

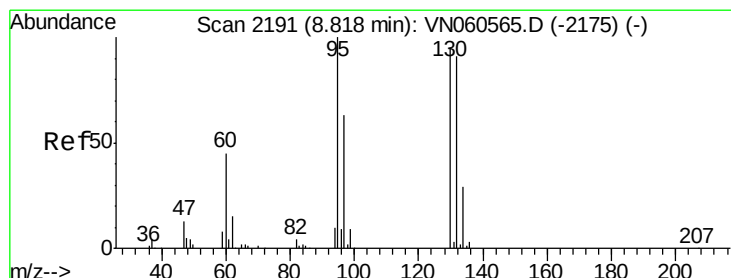
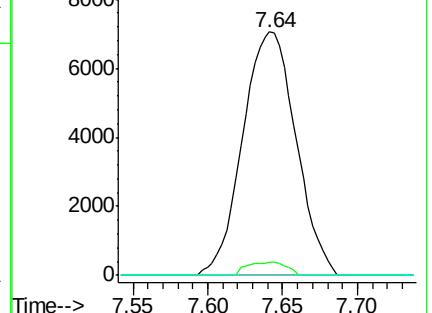
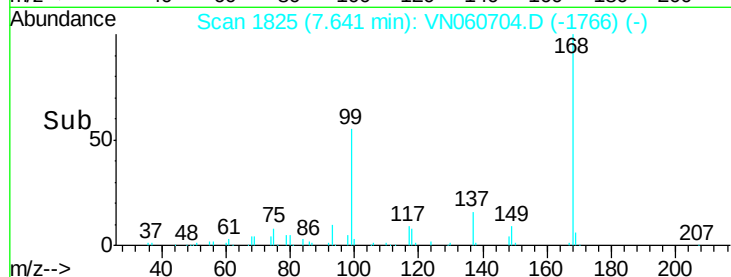
121 0.0 23.7 35.5#



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: 22.669 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060704.D

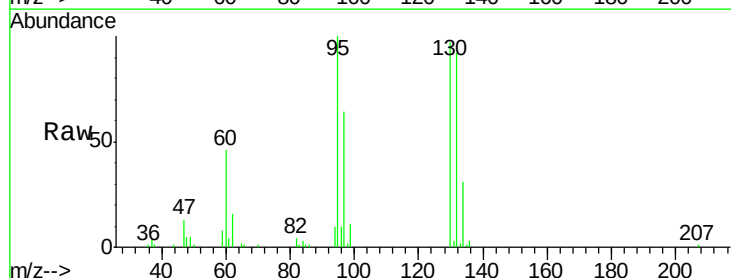
Acq: 25 Mar 2020 18:37

Tgt Ion:130 Resp: 51828

Ion Ratio Lower Upper

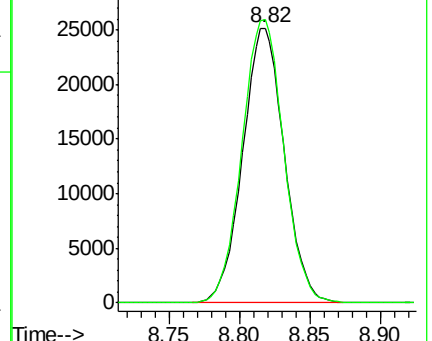
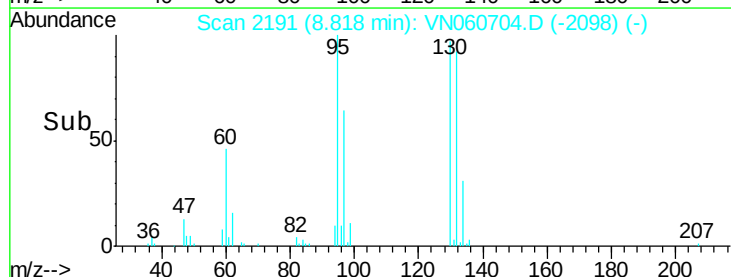
130 100

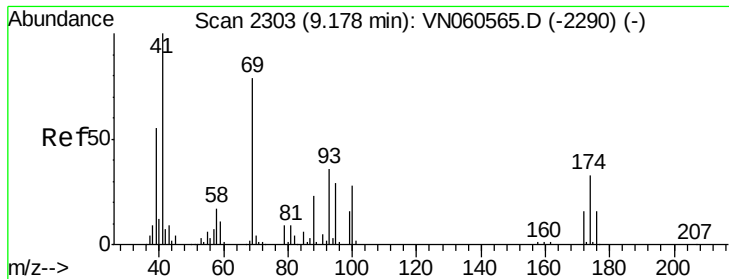
95 103.1 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

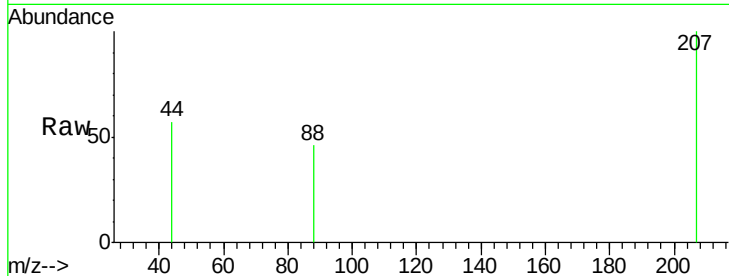




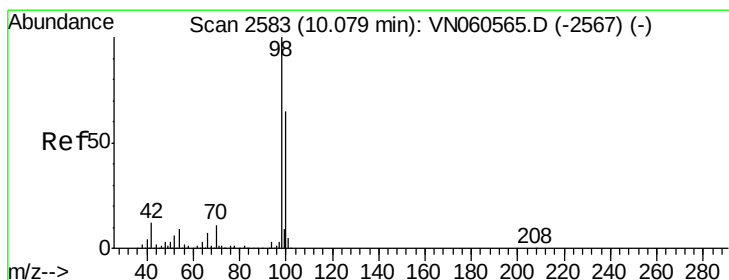
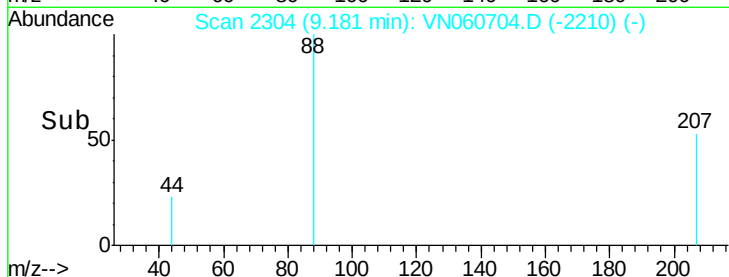
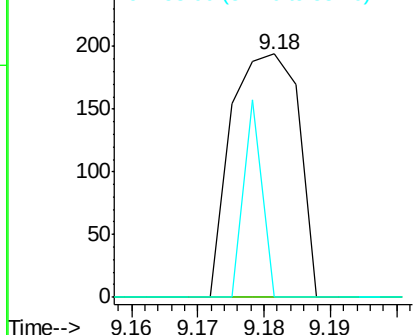
#49
1,4-Dioxane
Concen: 4.800 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060704.D
Acq: 25 Mar 2020 18:37

Instrument :
MSVOA_N
ClientSampleId :
RE109D1-20200316

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 0.0 30.8 46.2#
58 22.1 59.8 89.8#

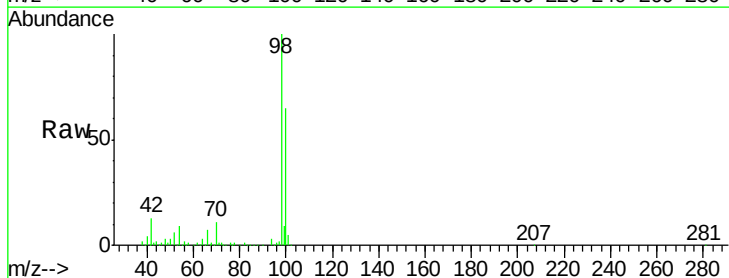


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

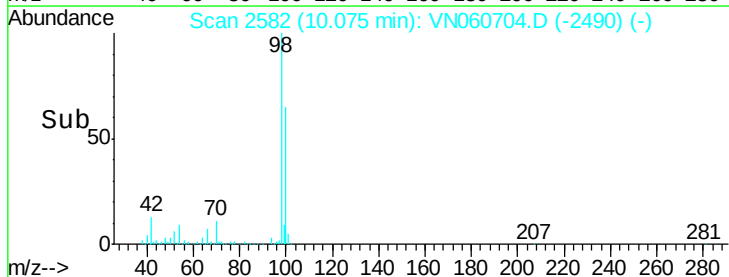
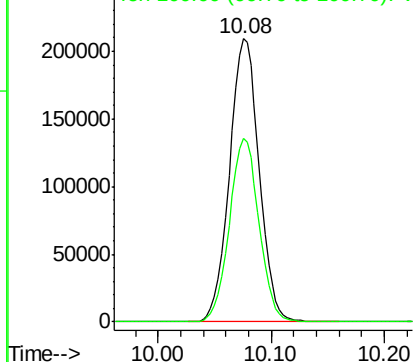


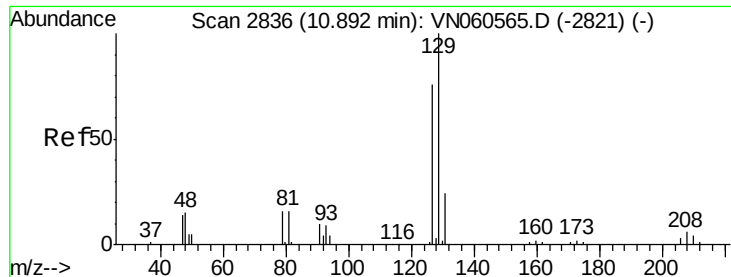
#50
Toluene-d8
Concen: 49.708 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060704.D
Acq: 25 Mar 2020 18:37

Tgt Ion: 98 Resp: 380916
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#60

Dibromochloromethane

Concen: 0.606 ug/l

RT: 10.62 min Scan# 2751

Delta R.T. -0.27 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

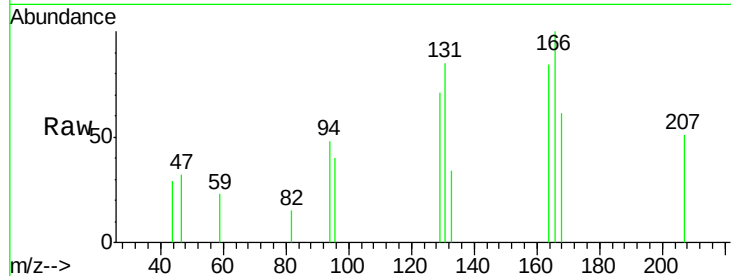
RE109D1-20200316

Tgt Ion:129 Resp: 1320

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

800

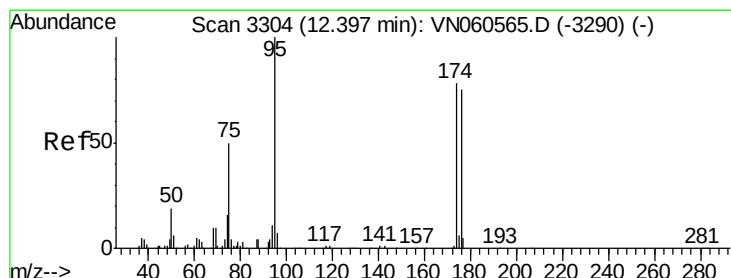
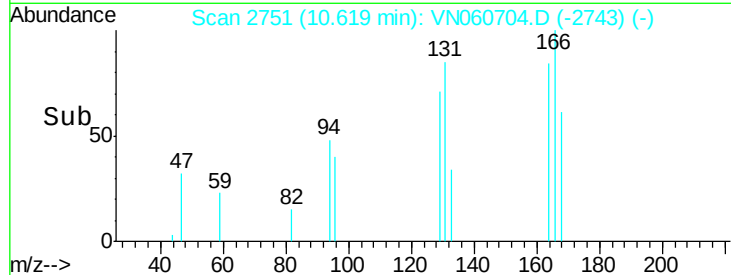
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.740 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

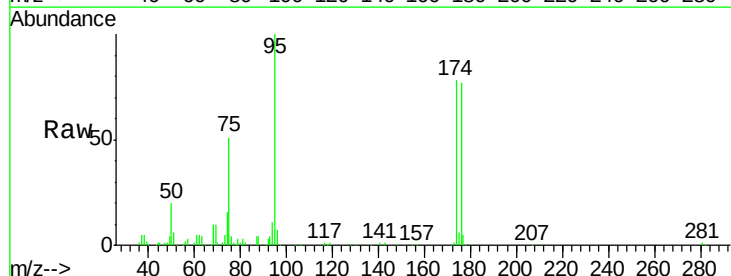
Tgt Ion: 95 Resp: 139690

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.6

176 75.9 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

80000

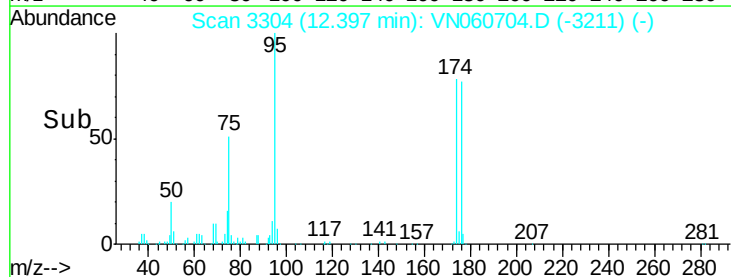
60000

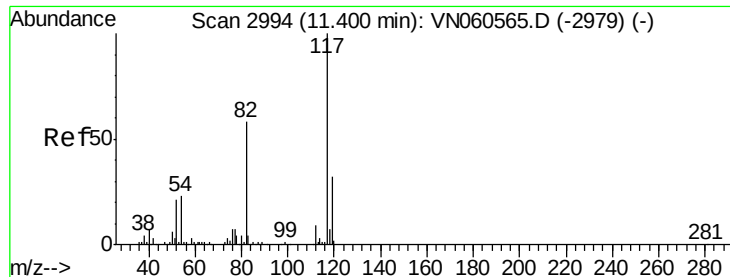
40000

20000

0

Time-->

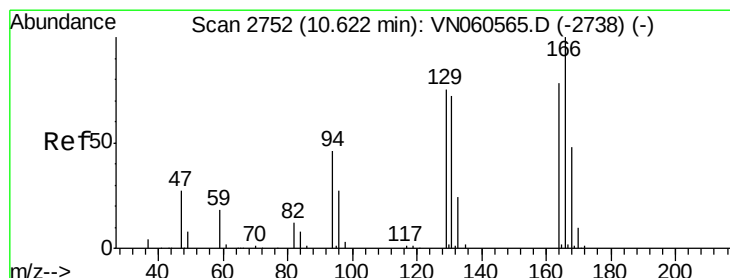
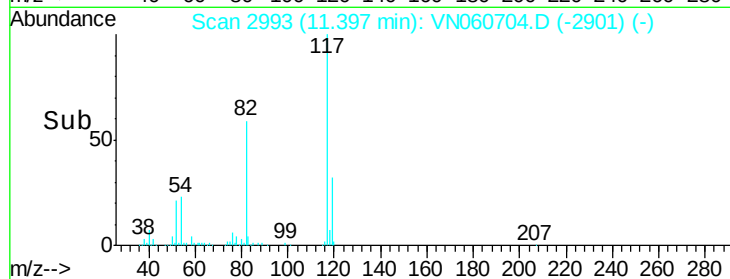
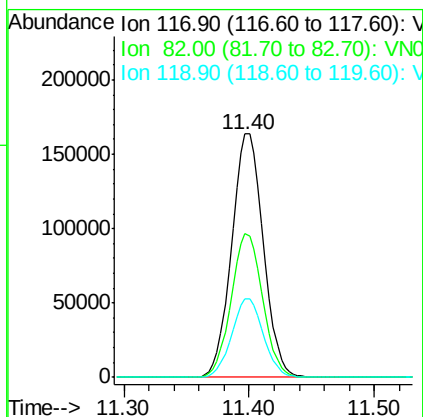
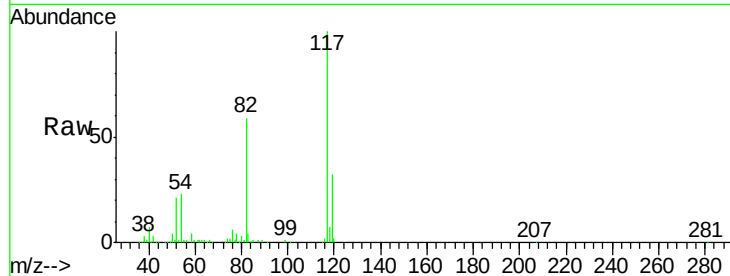




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060704.D
Acq: 25 Mar 2020 18:37

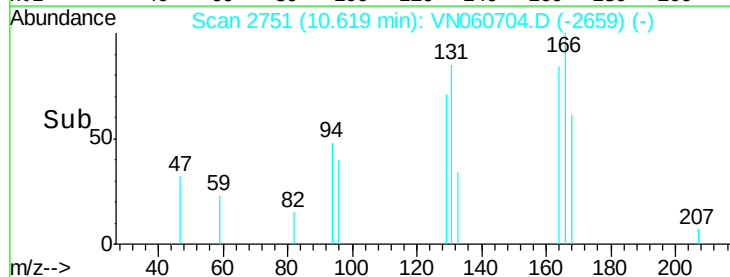
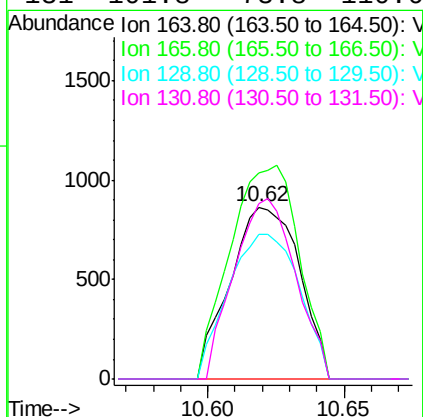
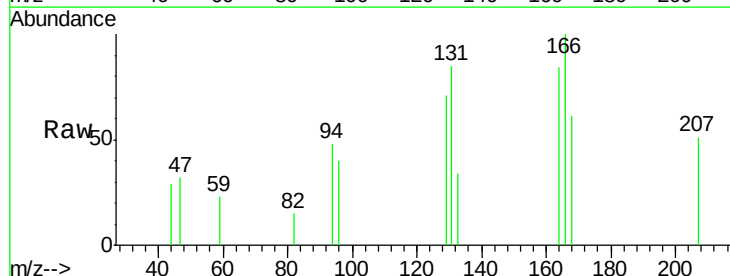
Instrument :
MSVOA_N
ClientSampleId :
RE109D1-20200316

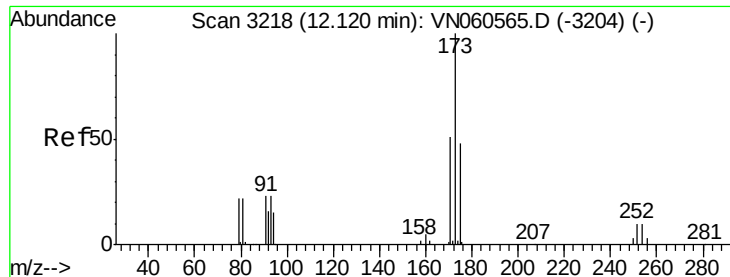
Tgt Ion:117 Resp: 287103
Ion Ratio Lower Upper
117 100
82 58.9 46.7 70.1
119 32.4 25.5 38.3



#64
Tetrachloroethene
Concen: 0.676 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060704.D
Acq: 25 Mar 2020 18:37

Tgt Ion:164 Resp: 1528
Ion Ratio Lower Upper
164 100
166 119.4 102.7 154.1
129 84.4 77.2 115.8
131 101.8 73.8 110.6





#71

Bromoform

Concen: 2.170 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

RE109D1-20200316

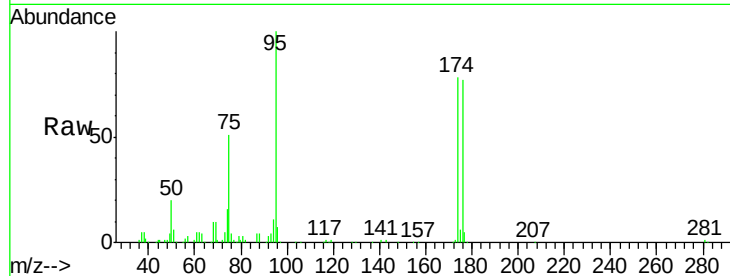
Tgt Ion:173 Resp: 867

Ion Ratio Lower Upper

173 100

175 810.5 24.1 72.4#

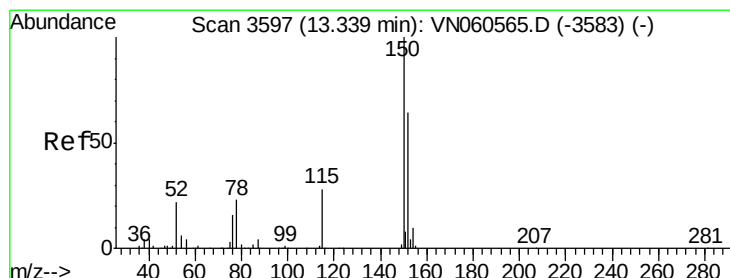
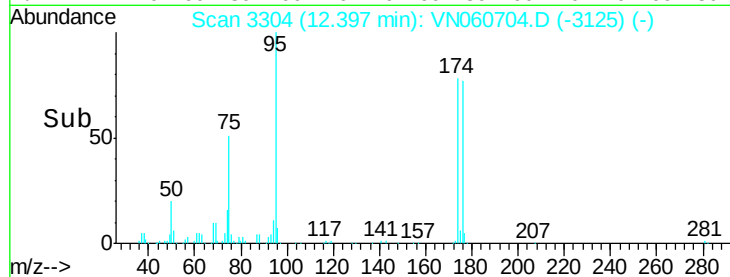
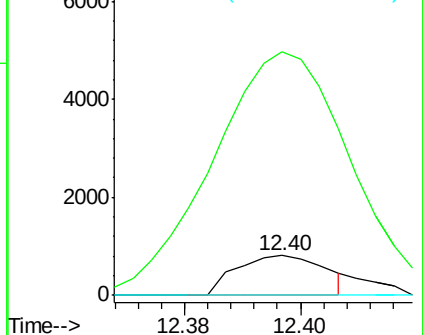
254 0.0 0.0 0.0



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: VN060704.D

Acq: 25 Mar 2020 18:37

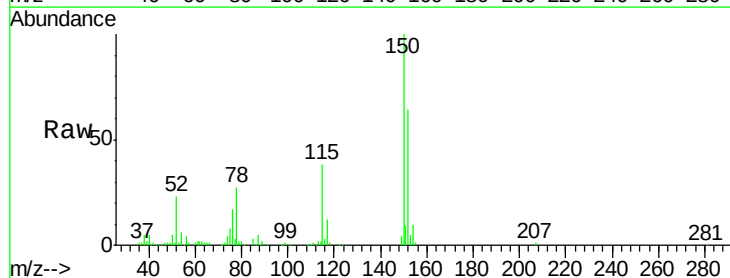
Tgt Ion:152 Resp: 131805

Ion Ratio Lower Upper

152 100

115 59.6 30.2 90.6

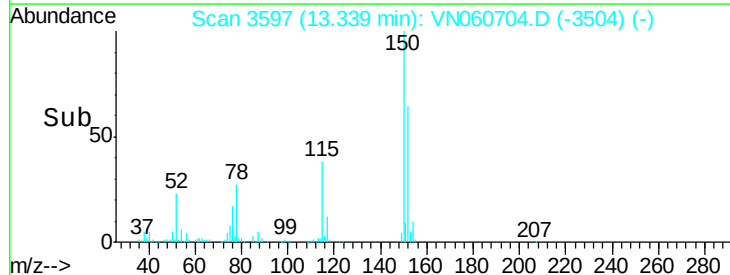
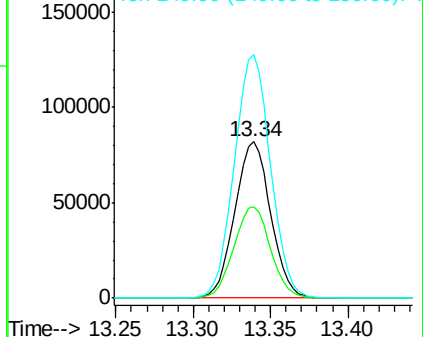
150 157.2 0.0 350.2

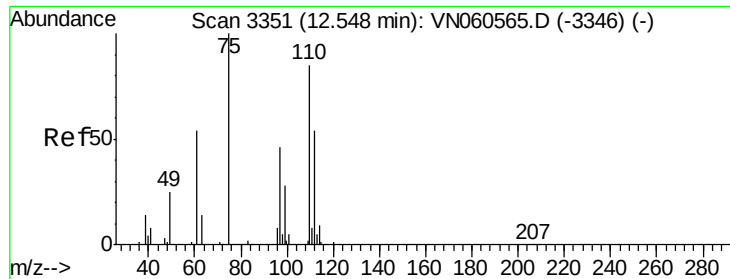


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.170 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

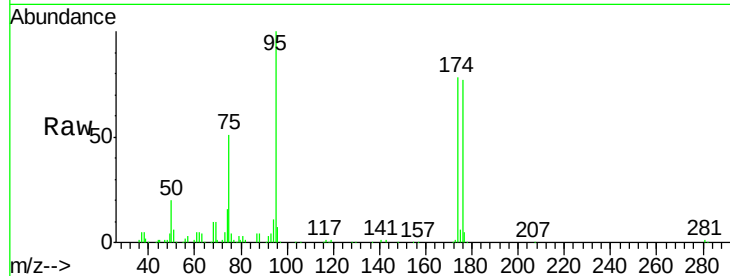
RE109D1-20200316

Tgt Ion: 75 Resp: 71585

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

40000

30000

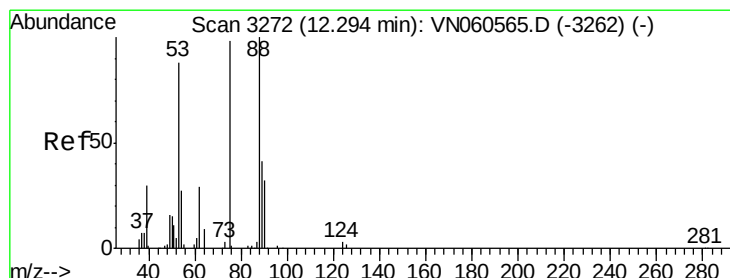
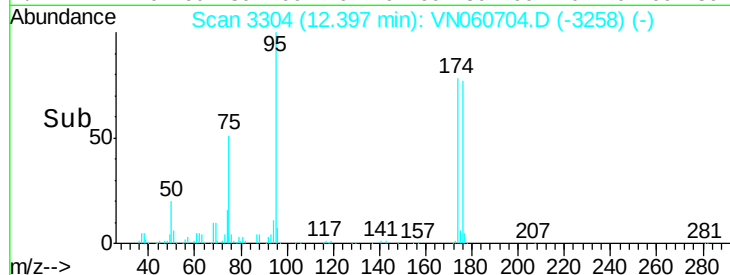
20000

10000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 64.644 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060704.D

Acq: 25 Mar 2020 18:37

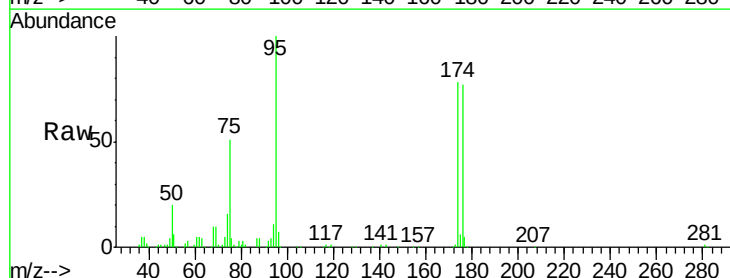
Tgt Ion: 75 Resp: 71585

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

60000

50000

40000

30000

20000

10000

0

Time-->

12.35 12.40 12.45

