

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061704.D
 Acq On : 8 Jun 2020 18:28
 Operator : JC/MD
 Sample : L2939-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-326FB-011

Quant Time: Jun 09 03:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	281728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	485774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	498803	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225277	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	163100	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.55	113	141535	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
50) Toluene-d8	10.06	98	593023	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.38	95	214088	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

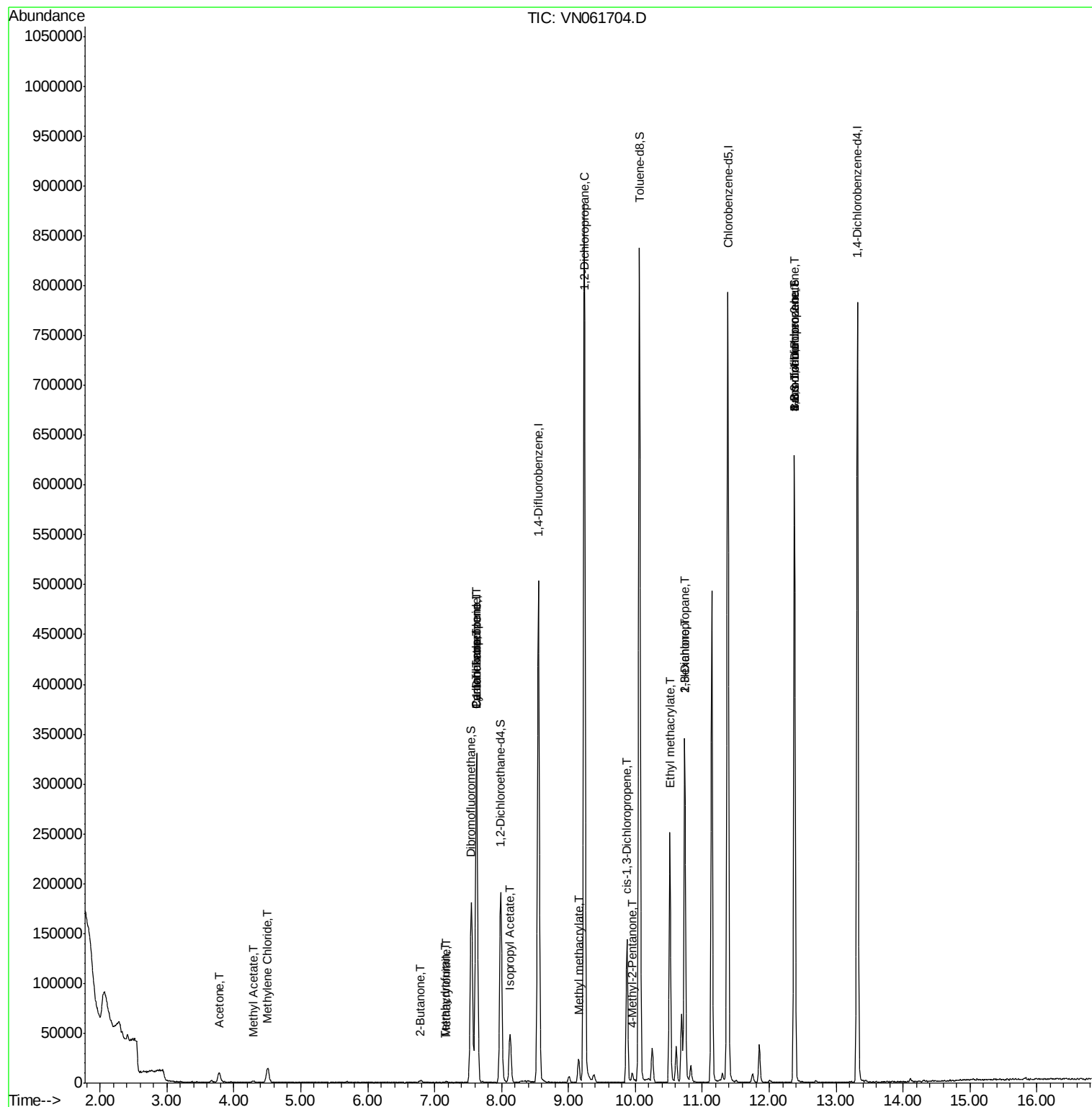
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	17192	12.70	ug/l	98
18) Methyl Acetate	4.28	43	1843	0.61	ug/l	95
20) Methylene Chloride	4.50	84	6627	0.45	ug/l	91
25) 2-Butanone	6.80	43	3073	1.93	ug/l	92
29) Tetrahydrofuran	7.15	42	330	0.31	ug/l #	58
31) Cyclohexane	7.63	56	4611	0.97	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	19120	4.45	ug/l #	48
38) Carbon Tetrachloride	7.63	117	27220	6.56	ug/l #	18
41) Methacrylonitrile	7.17	41	322	0.20	ug/l #	20
43) Isopropyl Acetate	8.13	43	57007	9.15	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	1119	0.36	ug/l #	44
48) Methyl methacrylate	9.14	41	2830	1.01	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	5383	1.53	ug/l	97
54) cis-1,3-Dichloropropene	9.88	75	28676	5.17	ug/l #	63
56) Ethyl methacrylate	10.52	69	965	0.20	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4279	0.78	ug/l #	42
59) 2-Hexanone	10.74	43	43530	17.26	ug/l #	49
71) Bromoform	12.38	173	1645	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	103906	25.37	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103906	64.87	ug/l #	15

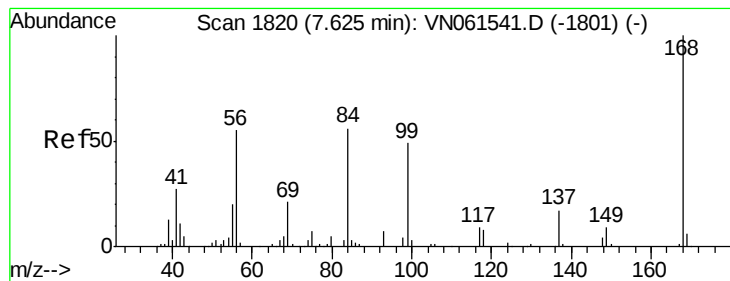
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

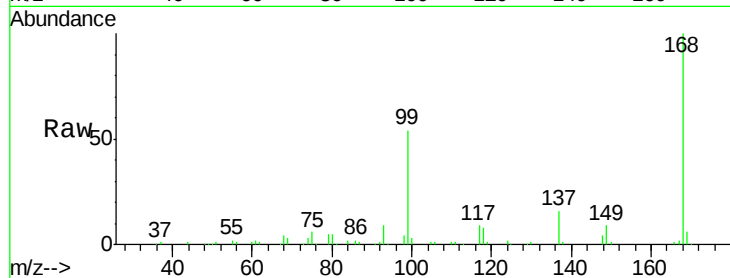
PHC-326FB-011

Tgt Ion:168 Resp: 281728

Ion Ratio Lower Upper

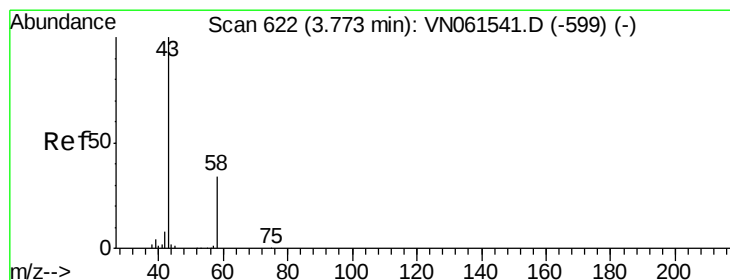
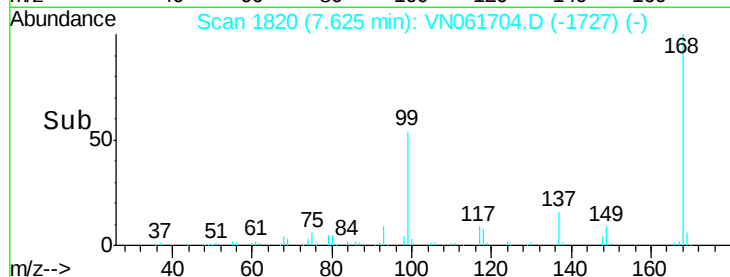
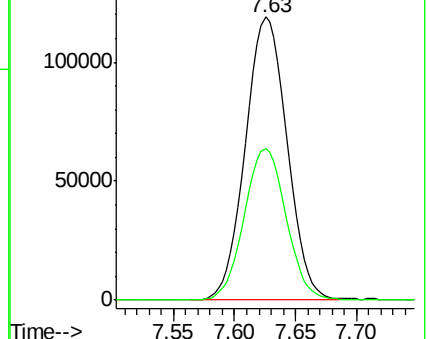
168 100

99 53.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 12.70 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061704.D

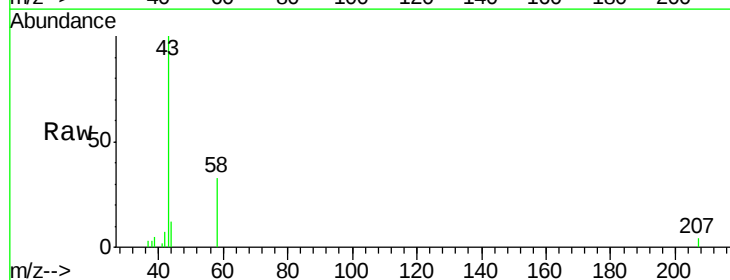
Acq: 8 Jun 2020 18:28

Tgt Ion: 43 Resp: 17192

Ion Ratio Lower Upper

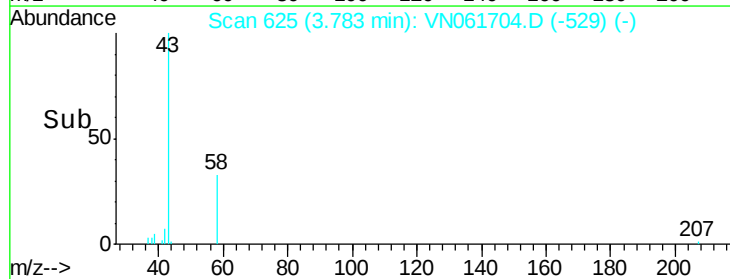
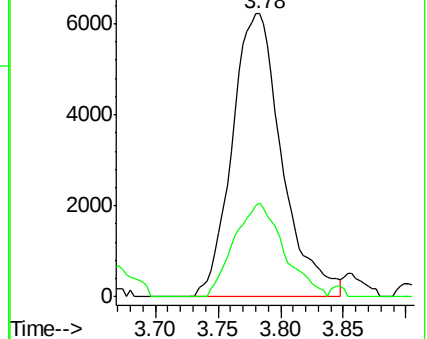
43 100

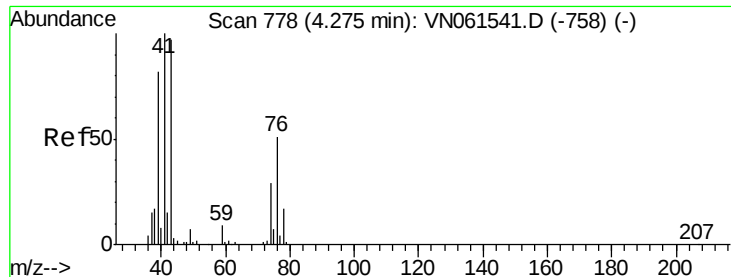
58 33.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

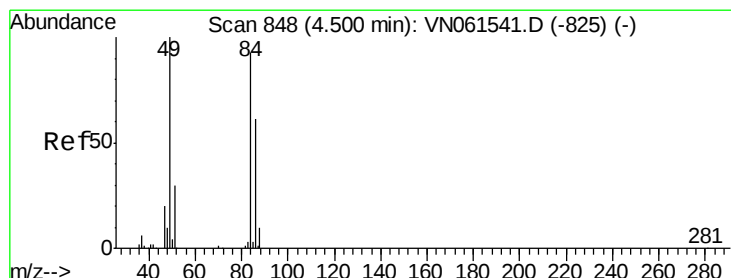
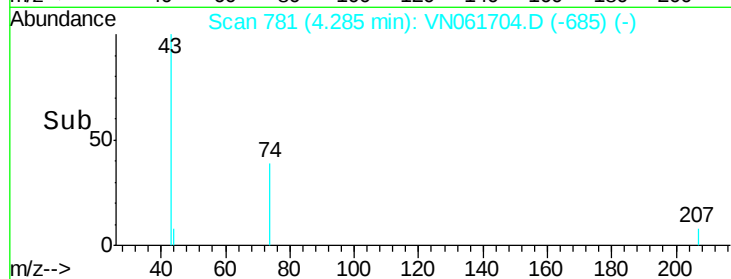
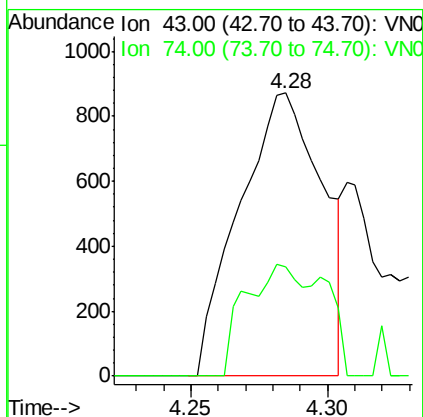
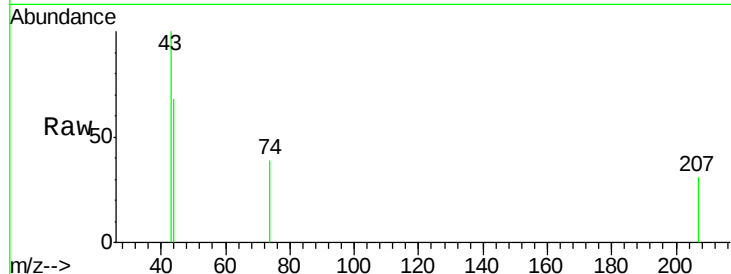




#18
Methyl Acetate
Concen: 0.61 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

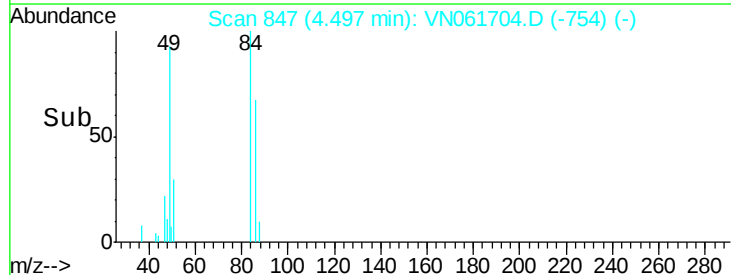
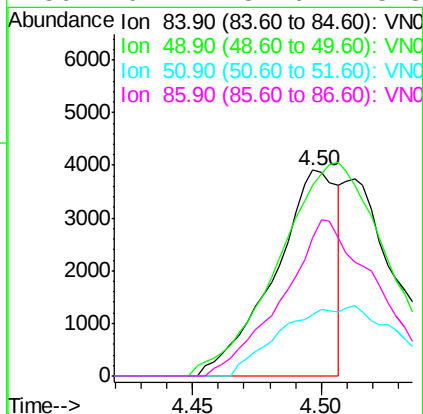
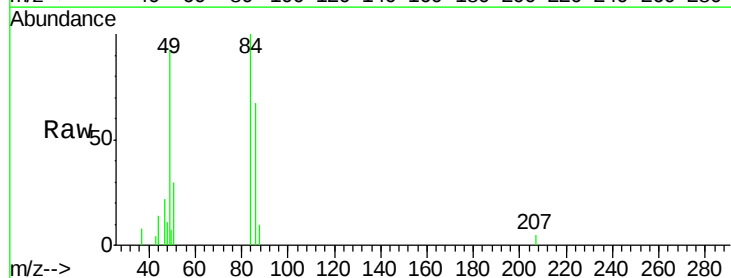
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PHC-326FB-011

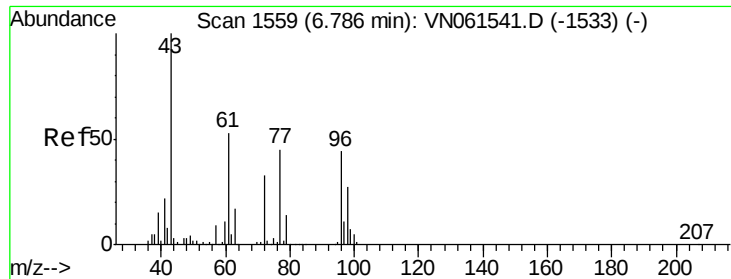
Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
74 26.4 23.2 34.8



#20
Methylene Chloride
Concen: 0.45 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

Tgt Ion: 84 Resp: 6627
Ion Ratio Lower Upper
84 100
49 92.7 85.8 128.8
51 29.8 26.2 39.2
86 67.4 52.6 78.8

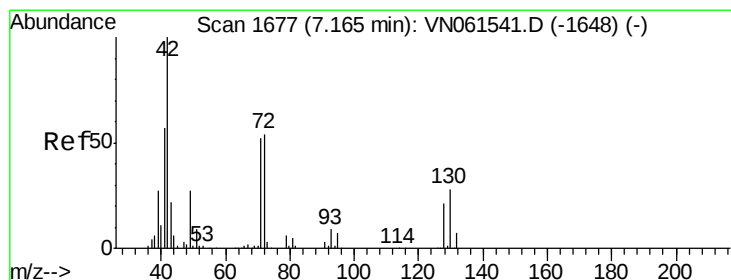
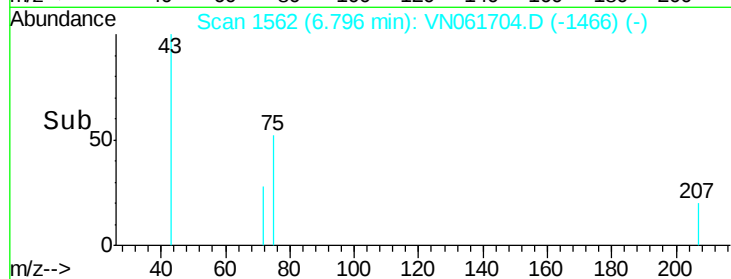
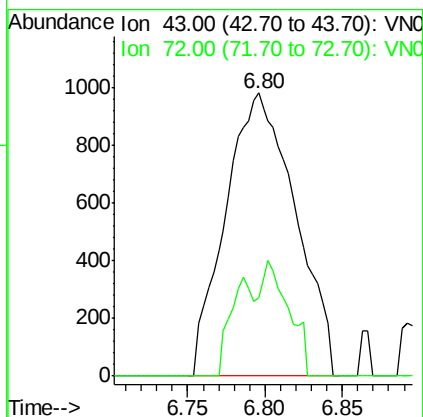
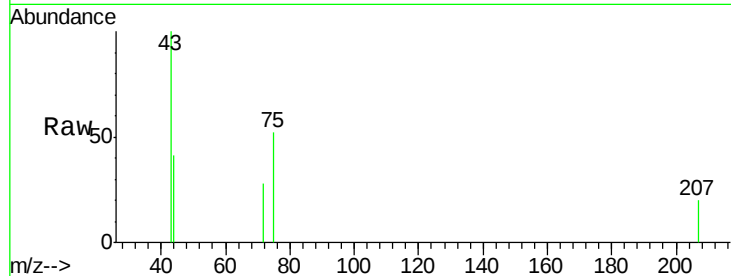




#25
2-Butanone
Concen: 1.93 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

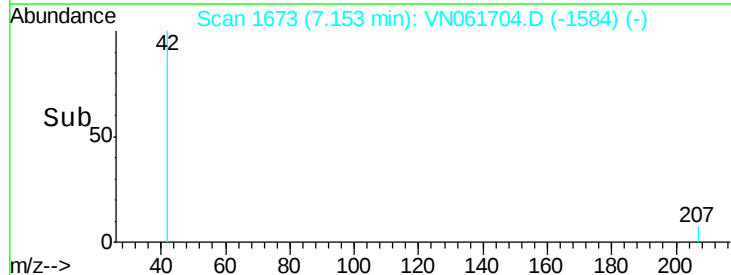
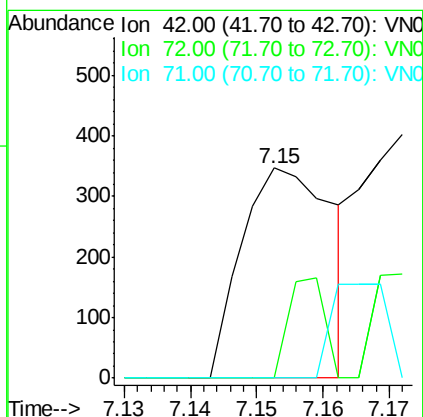
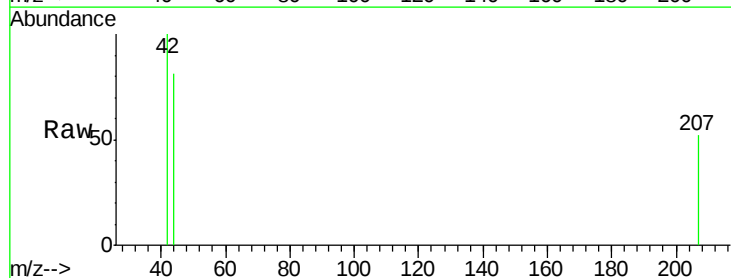
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MSVOA_N
ClientSampleId :
PHC-326FB-011

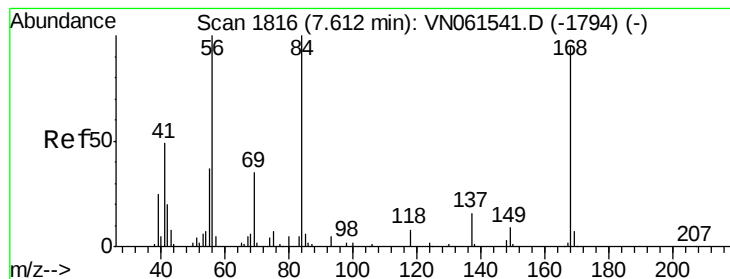
Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
72 27.9 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

Tgt Ion: 42 Resp: 330
Ion Ratio Lower Upper
42 100
72 19.1 43.6 65.4#
71 27.3 41.2 61.8#





#31

Cyclohexane

Concen: 0.97 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

PHC-326FB-011

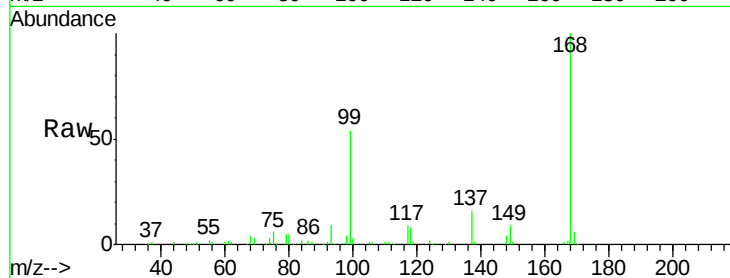
Tgt Ion: 56 Resp: 4611

Ion Ratio Lower Upper

56 100

69 219.8 27.8 41.8#

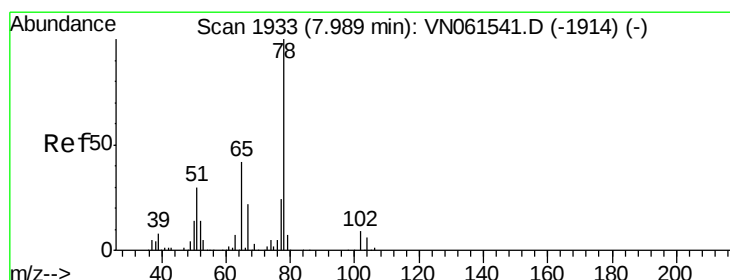
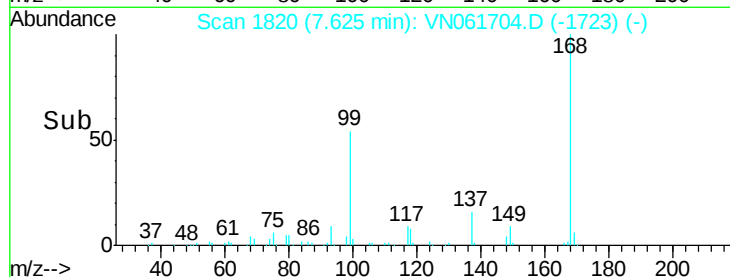
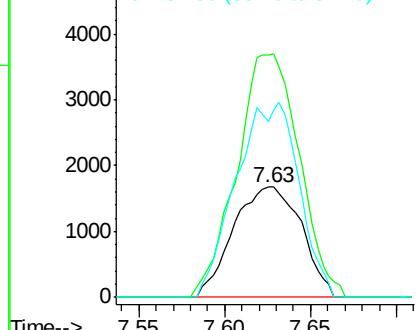
84 159.5 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.59 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061704.D

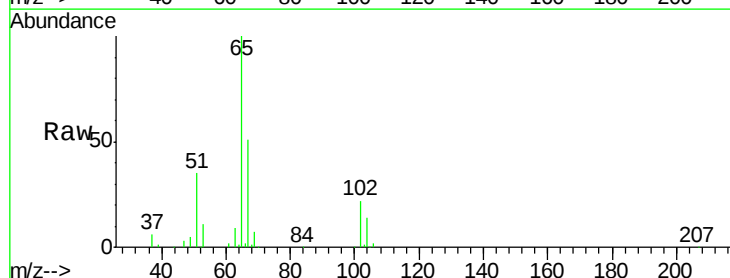
Acq: 8 Jun 2020 18:28

Tgt Ion: 65 Resp: 163100

Ion Ratio Lower Upper

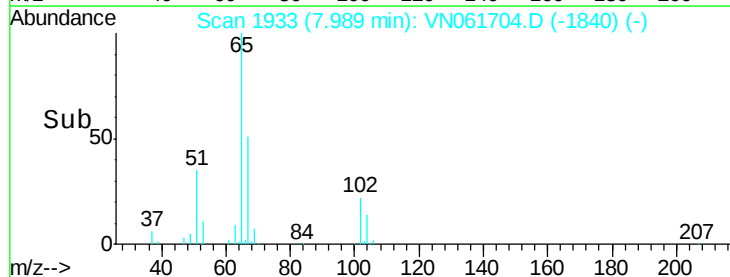
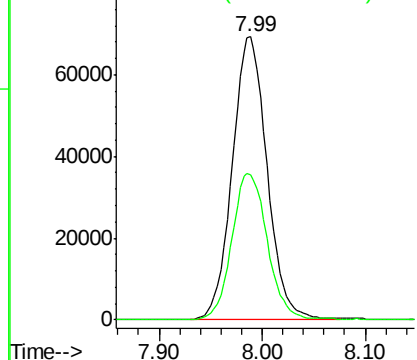
65 100

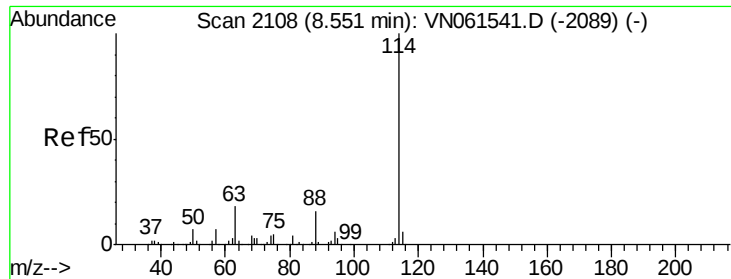
67 52.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

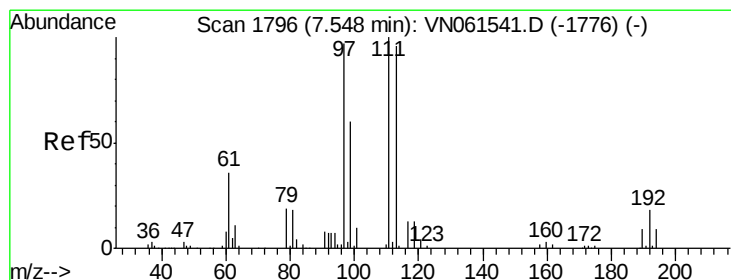
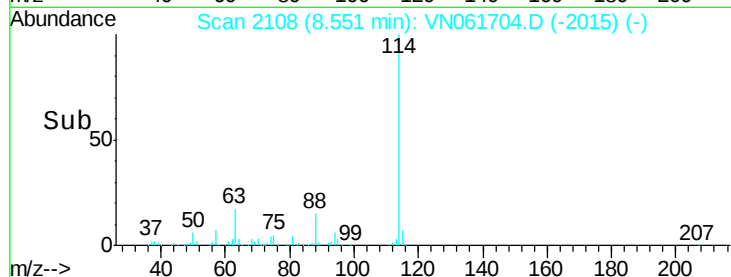
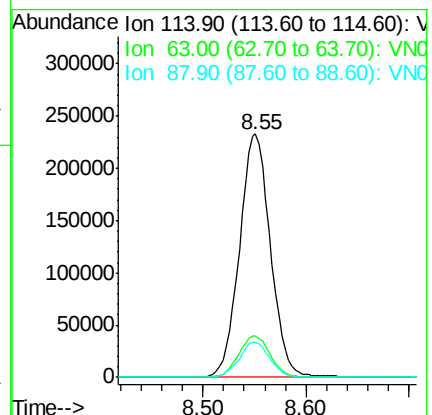
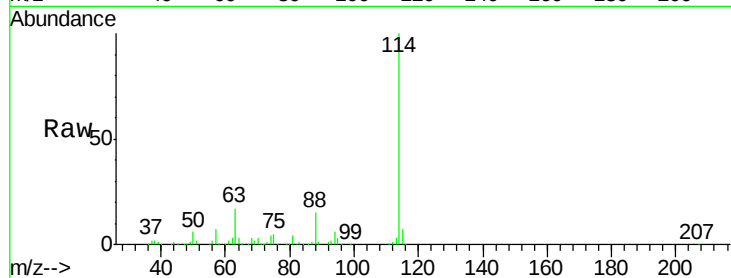




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

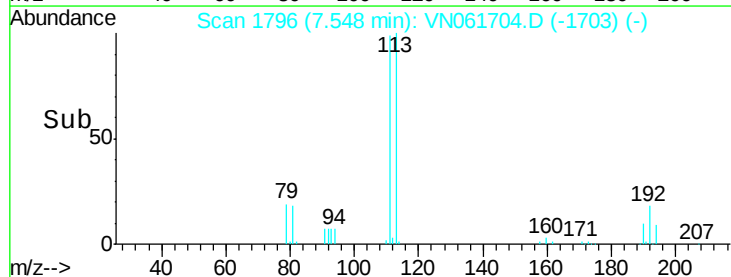
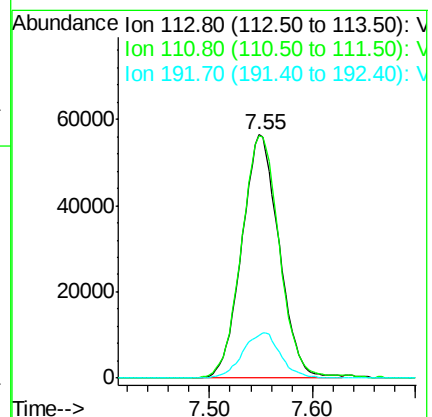
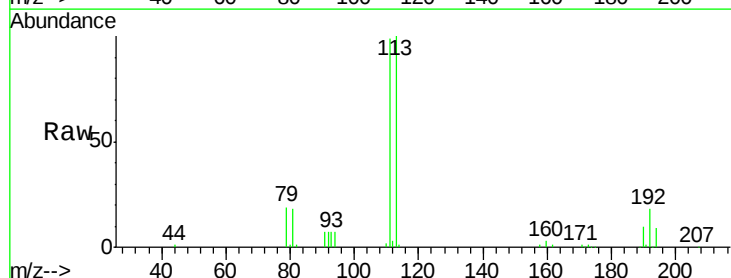
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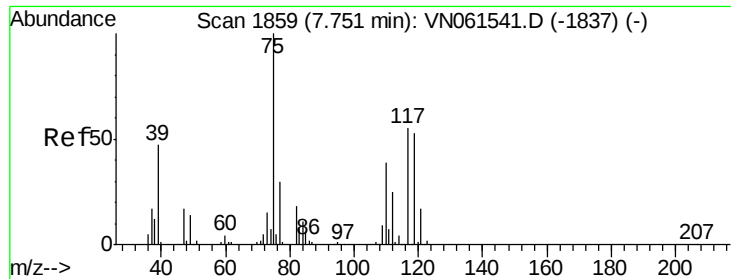
Tgt Ion:114 Resp: 485774
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.8
 88 14.5 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 57.44 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

Tgt Ion:113 Resp: 141535
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.4 125.0
 192 18.9 15.4 23.2

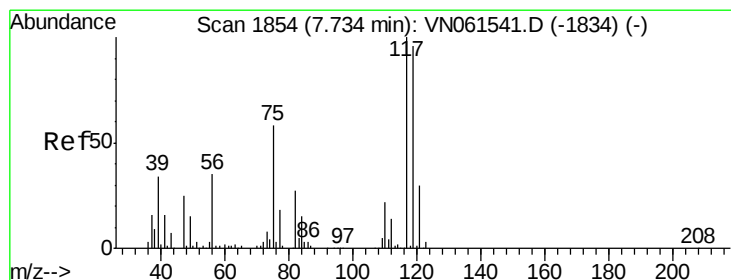
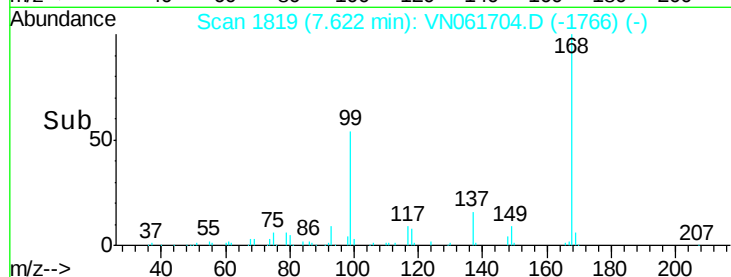
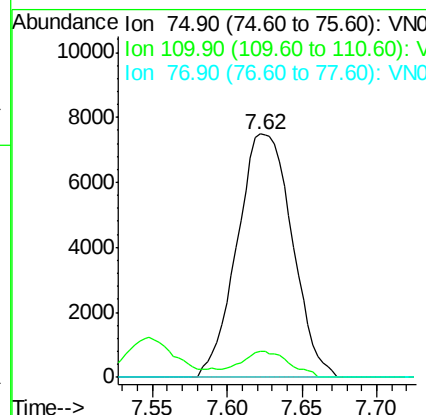
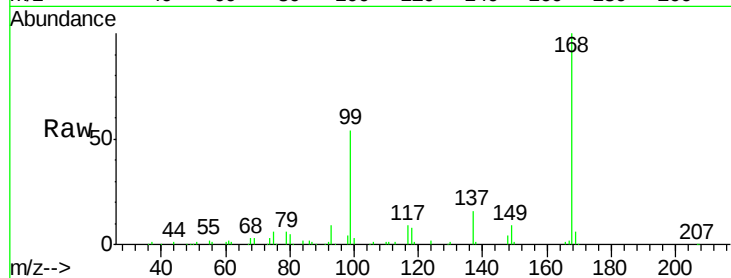




#36
 1,1-Dichloropropene
 Concen: 4.45 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

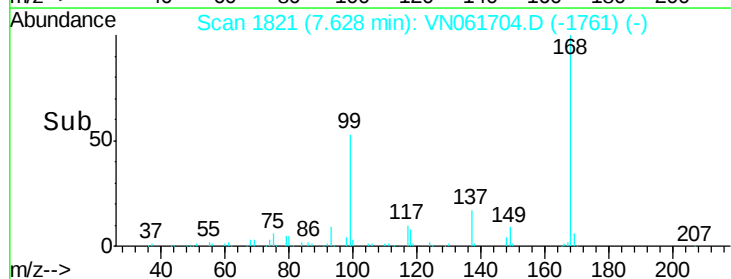
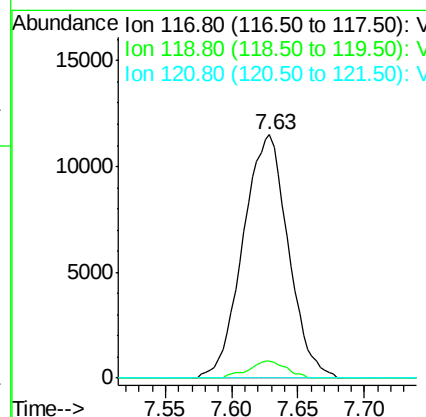
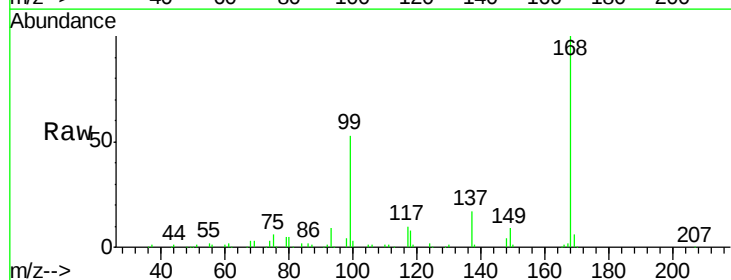
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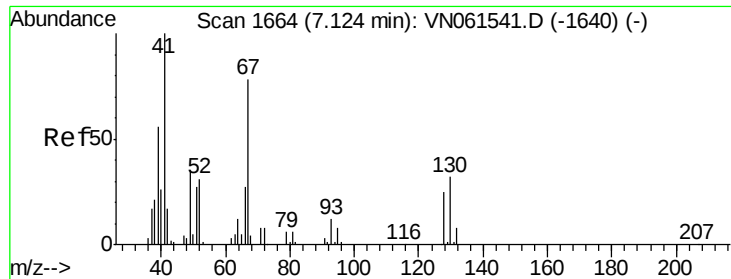
Tgt Ion: 75 Resp: 19120
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.56 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

Tgt Ion: 117 Resp: 27220
 Ion Ratio Lower Upper
 117 100
 119 7.0 76.5 114.7#
 121 0.0 24.1 36.1#

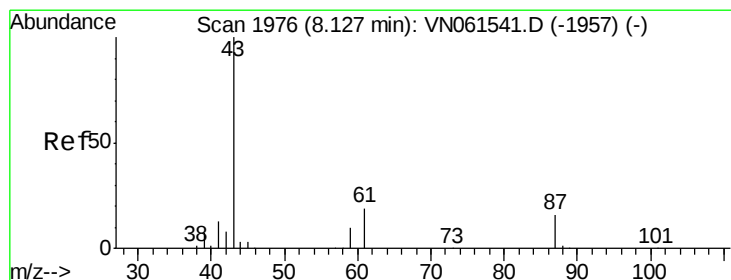
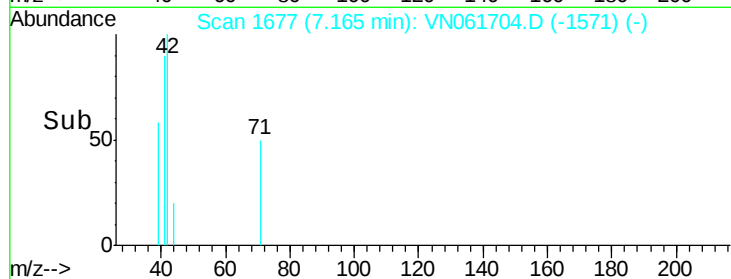
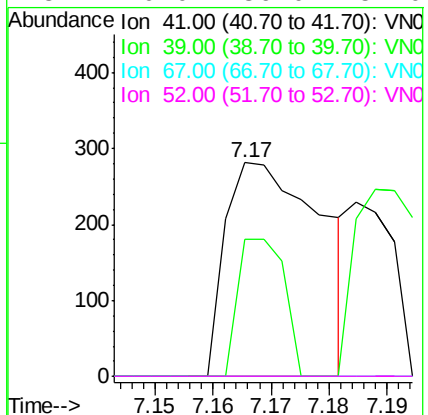
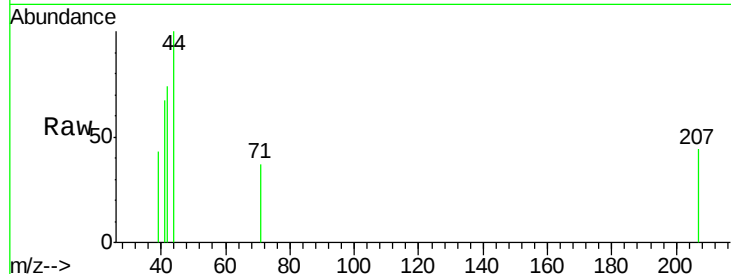




#41
Methacrylonitrile
Concen: 0.20 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

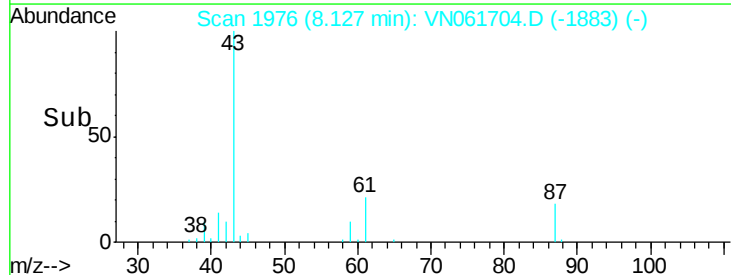
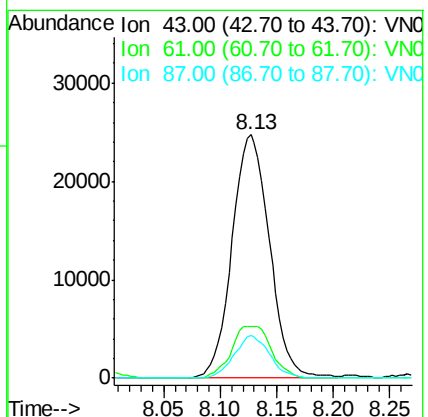
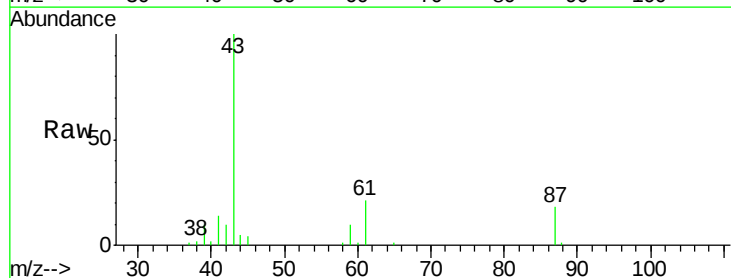
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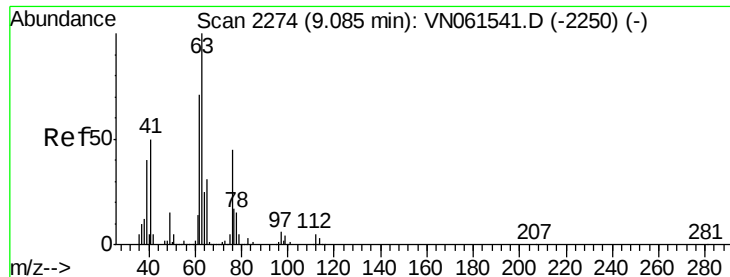
Tgt Ion: 41 Resp: 322
Ion Ratio Lower Upper
41 100
39 30.7 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#43
Isopropyl Acetate
Concen: 9.15 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

Tgt Ion: 43 Resp: 57007
Ion Ratio Lower Upper
43 100
61 22.4 23.6 35.4#
87 16.6 13.0 19.6





#45

1,2-Dichloropropane

Concen: 0.36 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

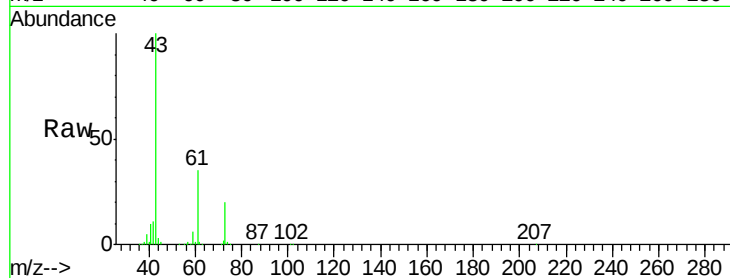
PHC-326FB-011

Tgt Ion: 63 Resp: 1119

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.23

800

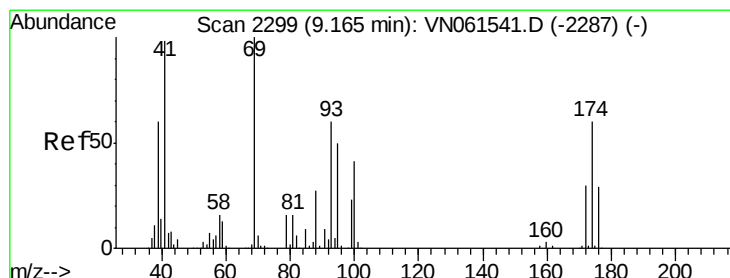
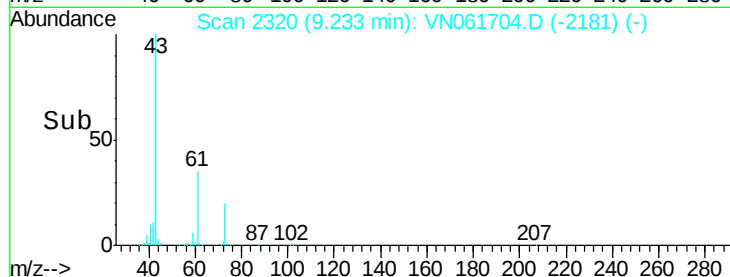
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.01 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.02 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

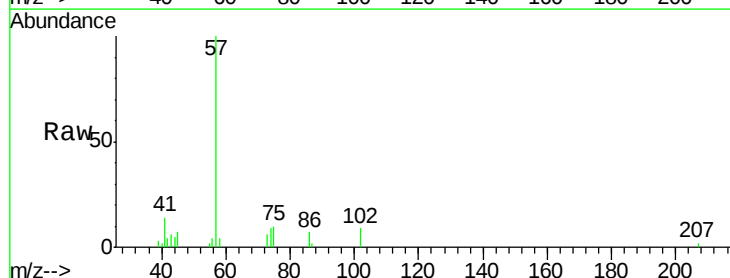
Tgt Ion: 41 Resp: 2830

Ion Ratio Lower Upper

41 100

69 0.0 83.9 125.9#

39 0.0 52.1 78.1#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

30000

25000

20000

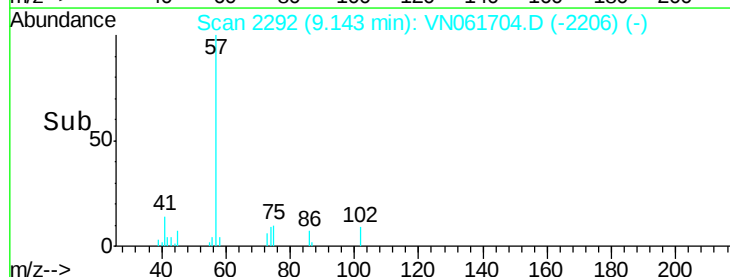
15000

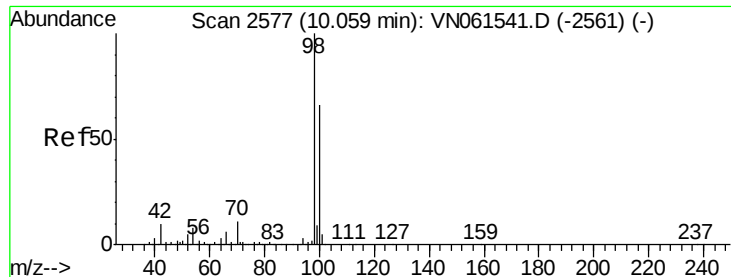
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 51.93 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

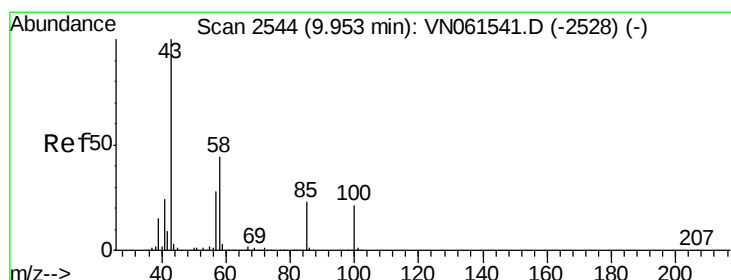
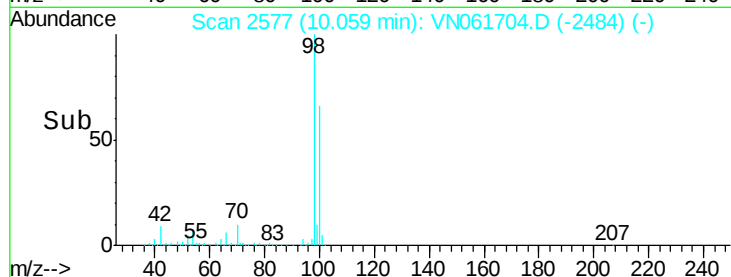
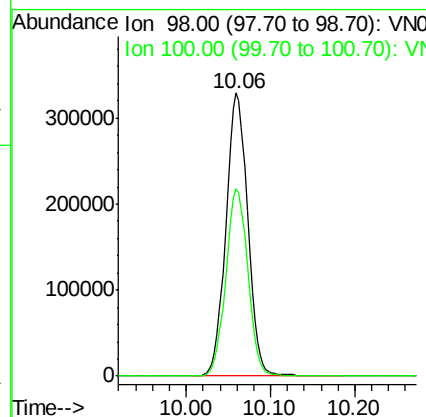
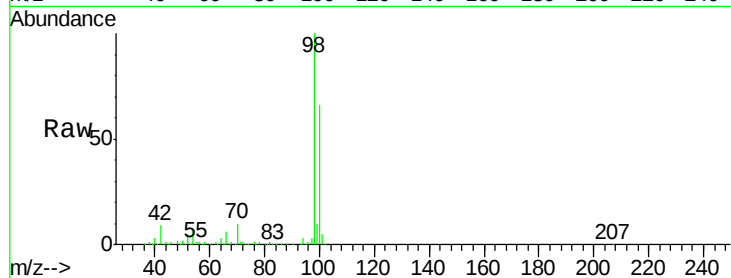
PHC-326FB-011

Tgt Ion: 98 Resp: 593023

Ion Ratio Lower Upper

98 100

100 66.7 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 1.53 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061704.D

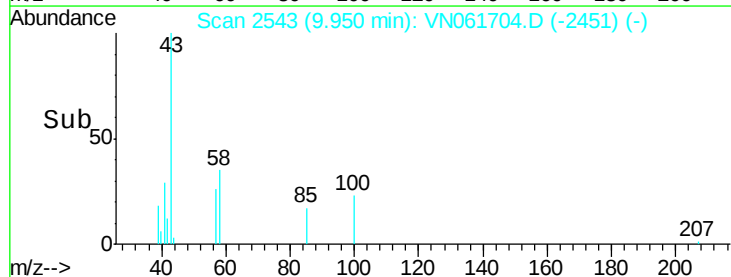
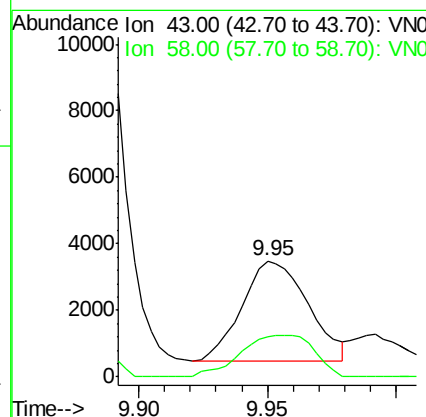
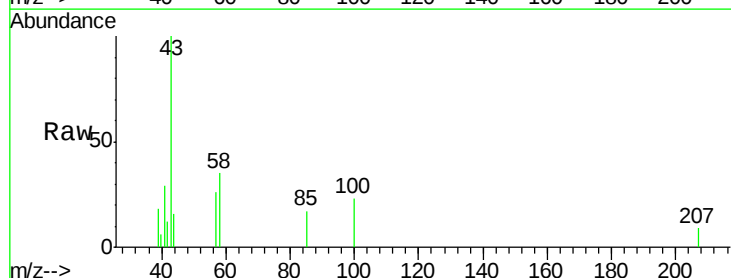
Acq: 8 Jun 2020 18:28

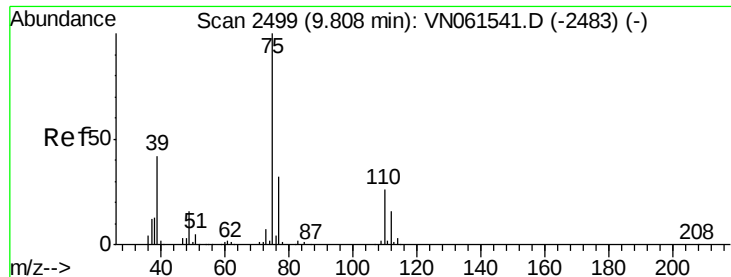
Tgt Ion: 43 Resp: 5383

Ion Ratio Lower Upper

43 100

58 46.0 35.0 52.6

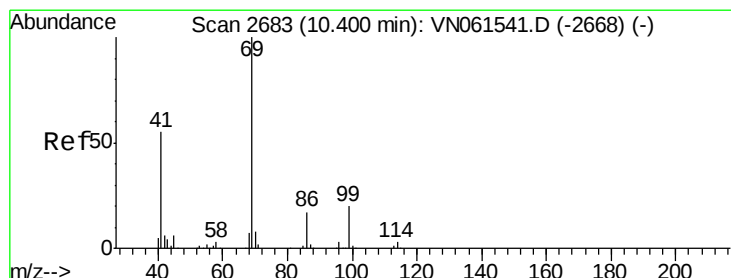
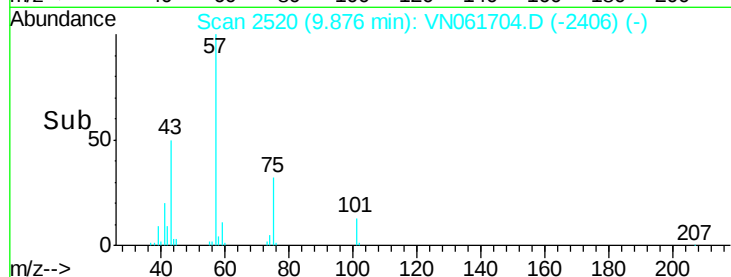
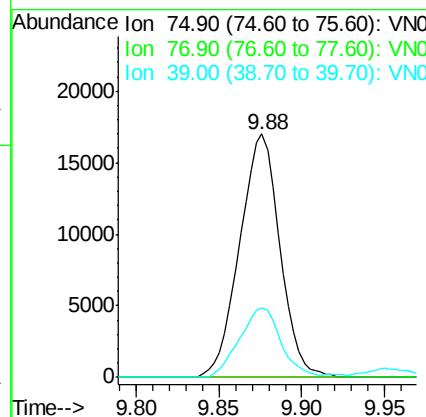
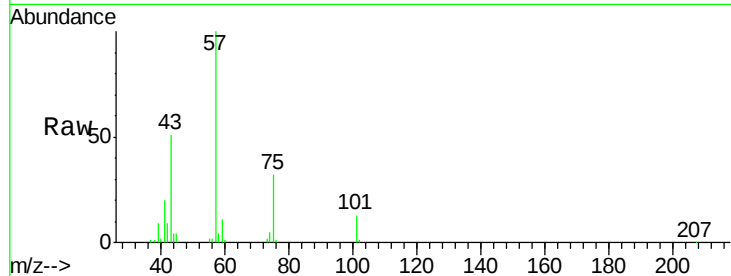




#54
 cis-1,3-Dichloropropene
 Concen: 5.17 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

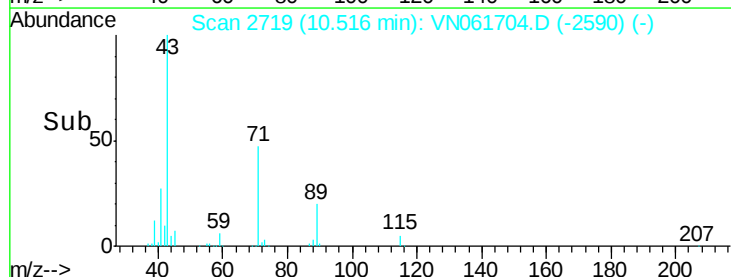
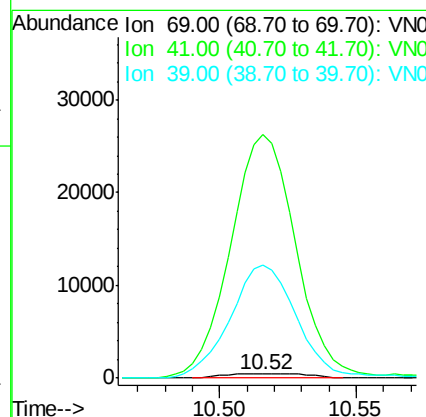
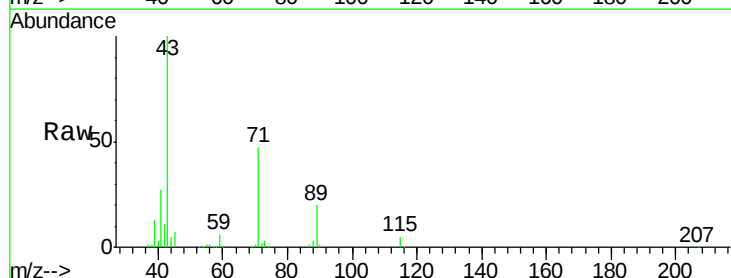
Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-326FB-011

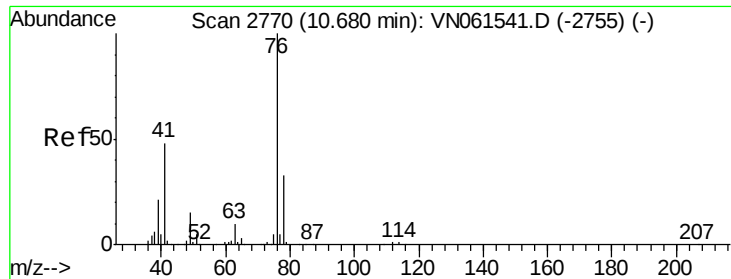
Tgt Ion: 75 Resp: 28676
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 28.7 33.8 50.6#



#56
 Ethyl methacrylate
 Concen: 0.20 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

Tgt Ion: 69 Resp: 965
 Ion Ratio Lower Upper
 69 100
 41 4524.8 43.5 65.3#
 39 2157.7 27.0 40.6#





#57

1,3-Dichloropropane

Concen: 0.78 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

Instrument :

MSVOA_N

ClientSampleId :

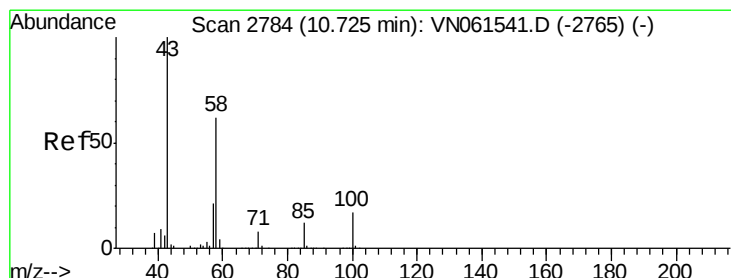
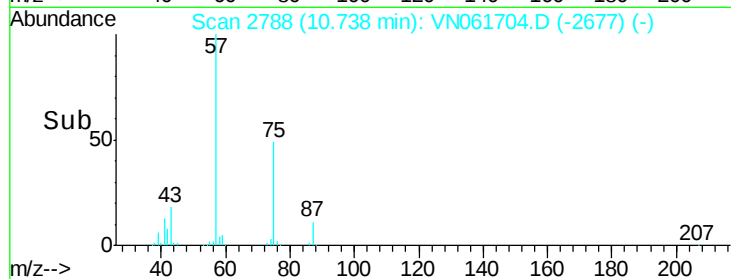
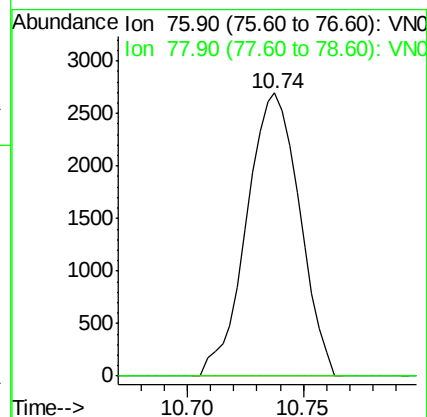
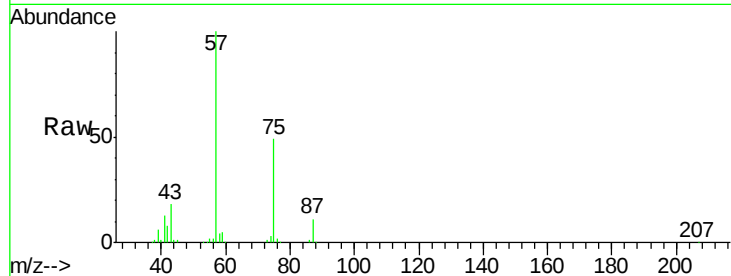
PHC-326FB-011

Tgt Ion: 76 Resp: 4279

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 17.26 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN061704.D

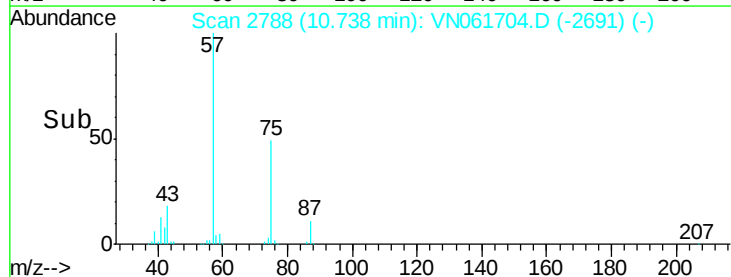
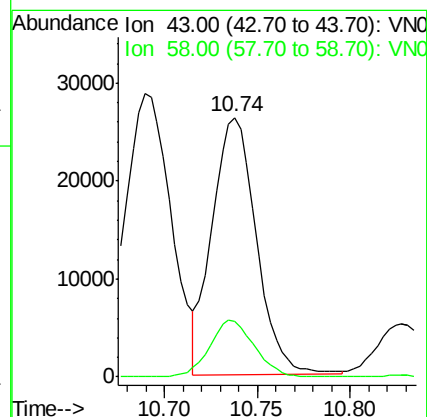
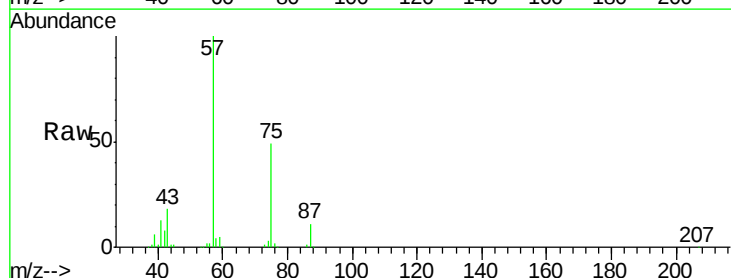
Acq: 8 Jun 2020 18:28

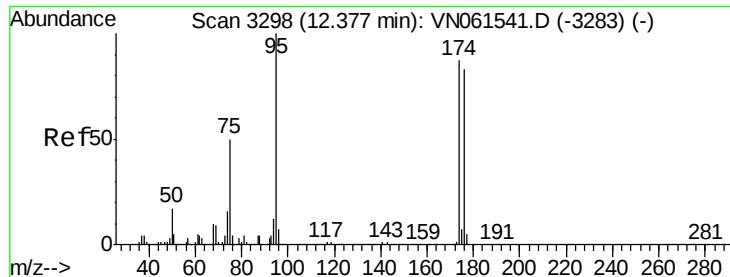
Tgt Ion: 43 Resp: 43530

Ion Ratio Lower Upper

43 100

58 22.1 30.7 92.1#

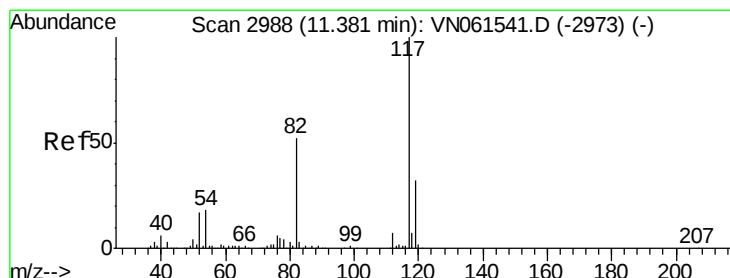
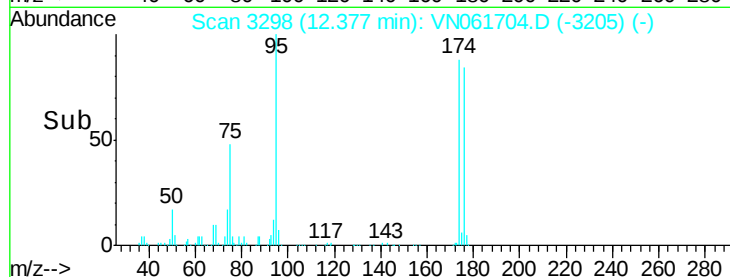
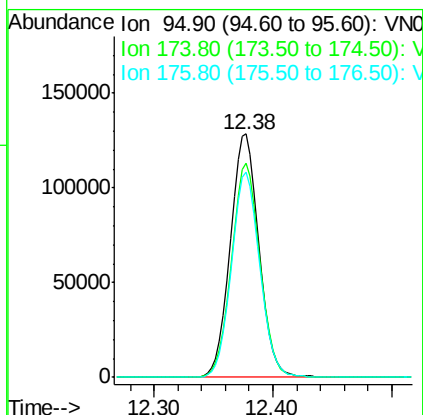
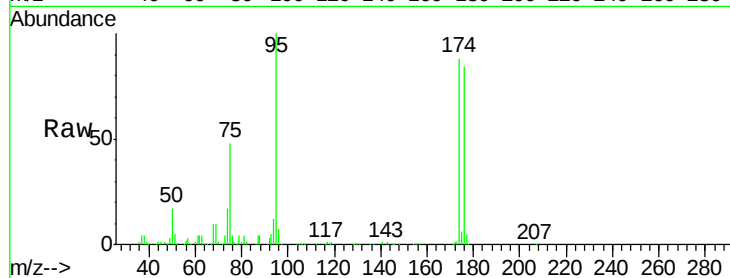




#62
4-Bromofluorobenzene
Concen: 51.39 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

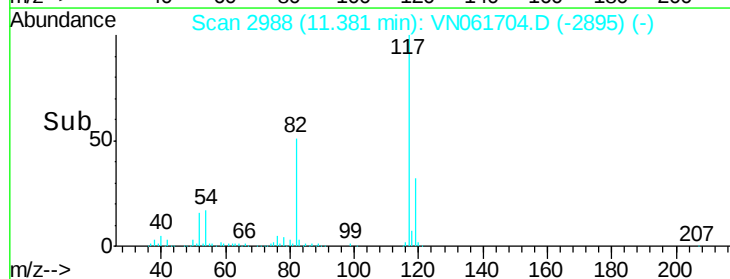
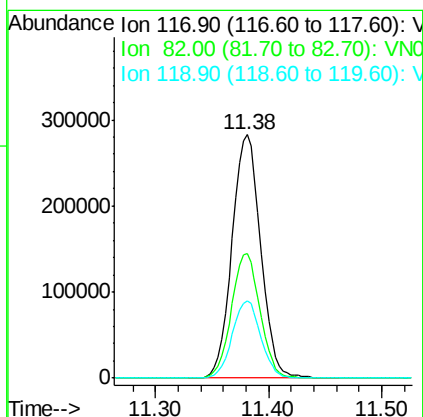
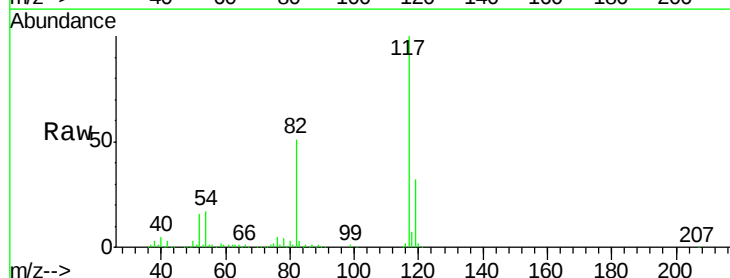
Instrument :
MSVOA_N
ClientSampleId :
PHC-326FB-011

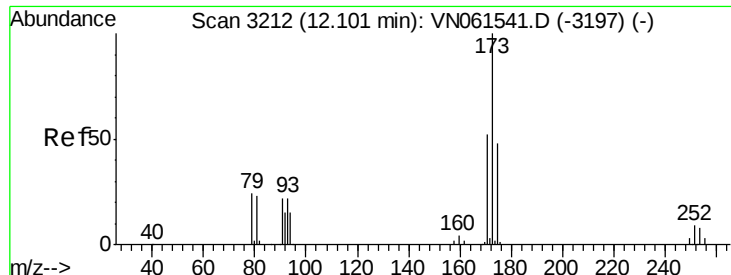
Tgt Ion: 95 Resp: 214088
Ion Ratio Lower Upper
95 100
174 87.4 0.0 172.8
176 83.4 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061704.D
Acq: 8 Jun 2020 18:28

Tgt Ion: 117 Resp: 498803
Ion Ratio Lower Upper
117 100
82 51.1 41.5 62.3
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.55 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

Instrument :

MSVOA_N

ClientSampled :

PHC-326FB-011

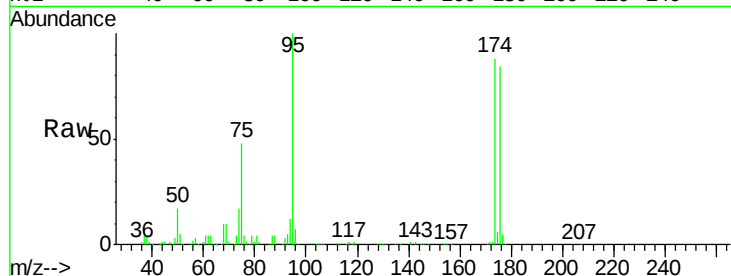
Tgt Ion:173 Resp: 1645

Ion Ratio Lower Upper

173 100

175 720.0 24.4 73.2#

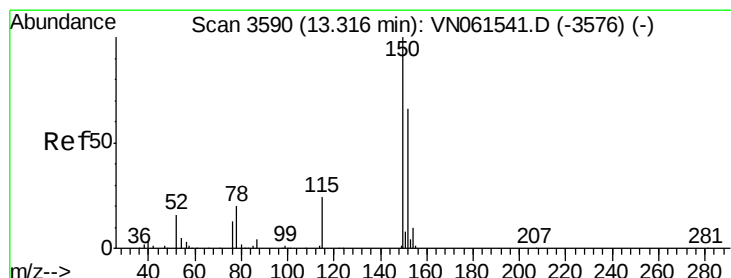
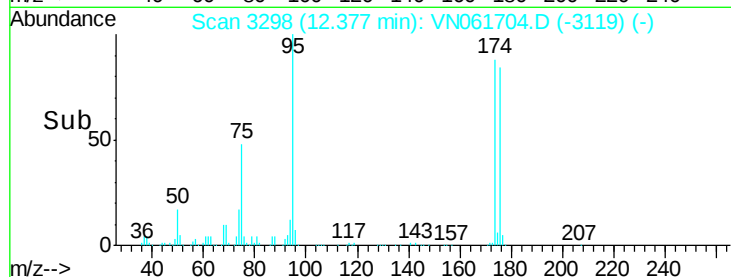
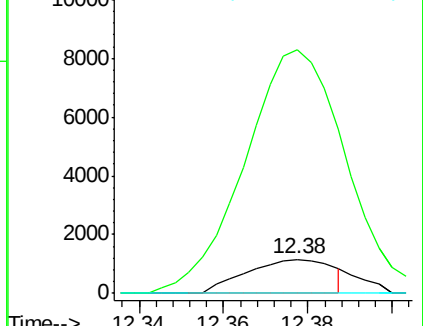
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061704.D

Acq: 8 Jun 2020 18:28

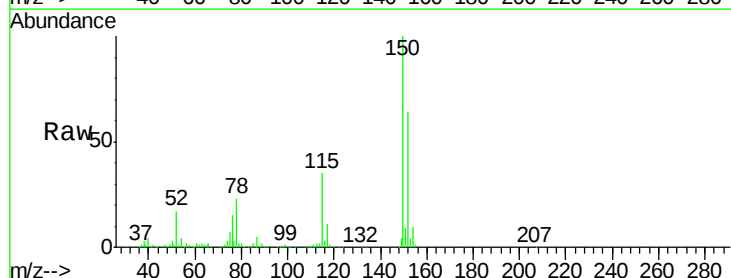
Tgt Ion:152 Resp: 225277

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

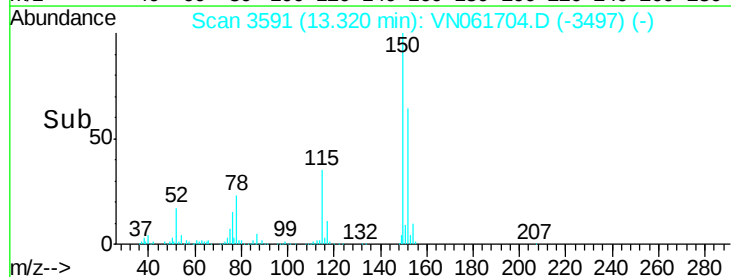
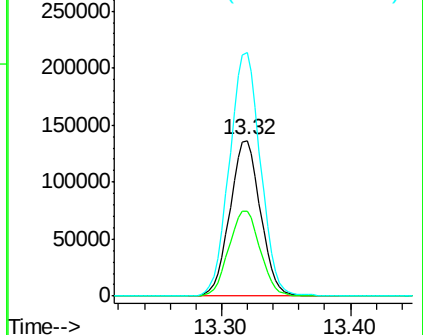
150 158.8 0.0 344.0

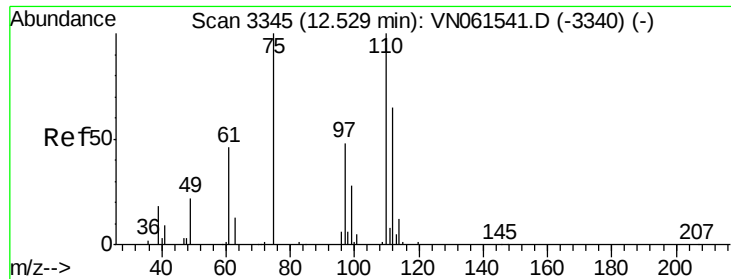


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

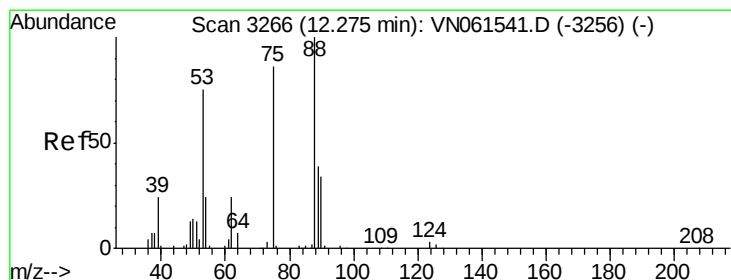
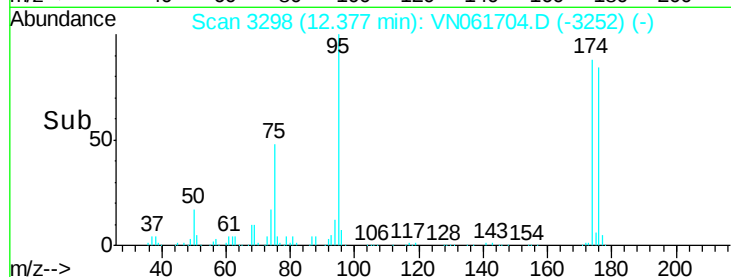
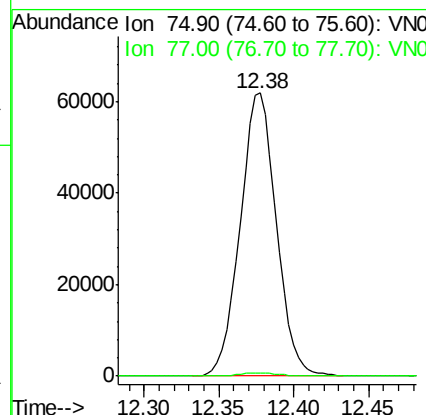
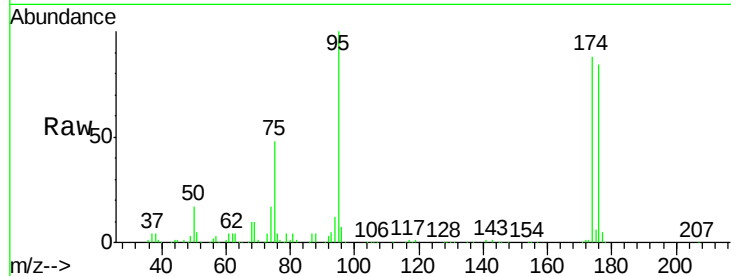




#76
 1,2,3-Trichloropropane
 Concen: 25.37 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

Instrument :
 MSVOA_N
 ClientSampleId :
 PHC-326FB-011

Tgt Ion: 75 Resp: 103906
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.87 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061704.D
 Acq: 8 Jun 2020 18:28

Tgt Ion: 75 Resp: 103906
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

