

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060721.D
 Acq On : 26 Mar 2020 18:07
 Operator : JC/MD
 Sample : PB127792ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#03

Quant Time: Mar 27 05:35:06 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	196082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	328086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139401	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	127827	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
35) Dibromofluoromethane	7.56	113	97322	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.08	98	403504	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	149820	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	

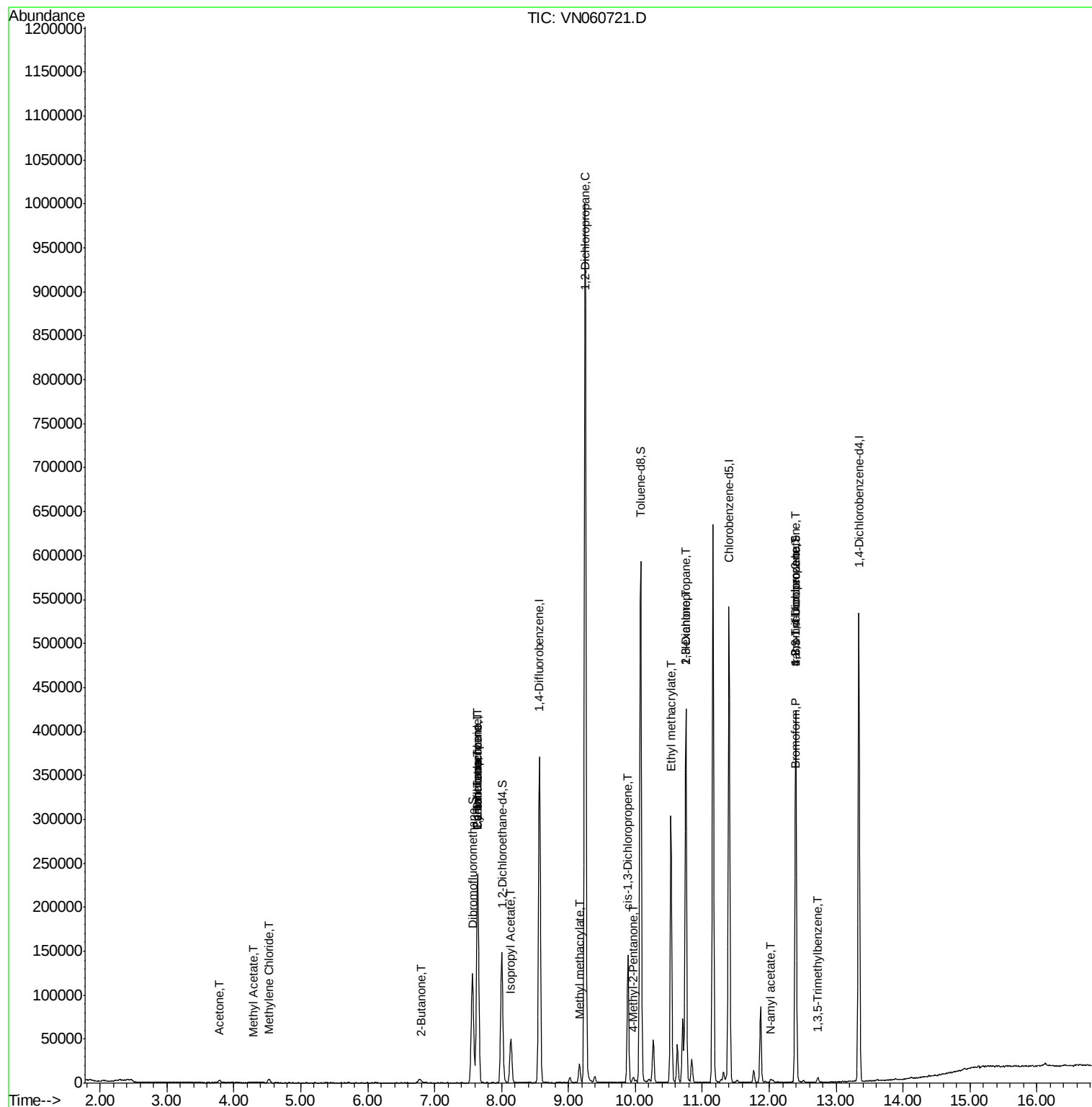
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5837	6.122	ug/l	97
18) Methyl Acetate	4.29	43	1979	0.737	ug/l #	54
20) Methylene Chloride	4.52	84	2959	1.262	ug/l	94
25) 2-Butanone	6.81	43	1261	0.817	ug/l #	50
31) Cyclohexane	7.64	56	4296	0.991	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15262	4.804	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18479	6.490	ug/l #	16
43) Isopropyl Acetate	8.14	43	60869	10.752	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1162	0.459	ug/l #	43
48) Methyl methacrylate	9.16	41	3022	1.199	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	5035	1.563	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	25504	6.366	ug/l #	62
56) Ethyl methacrylate	10.53	69	734	0.211	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4283	1.108	ug/l #	42
59) 2-Hexanone	10.75	43	62376	26.879	ug/l #	52
71) Bromoform	12.38	173	33	1.698	ug/l #	29
74) N-amyl acetate	12.02	43	2386	0.494	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	75756	25.185	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3475	0.391	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	75756	64.682	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: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

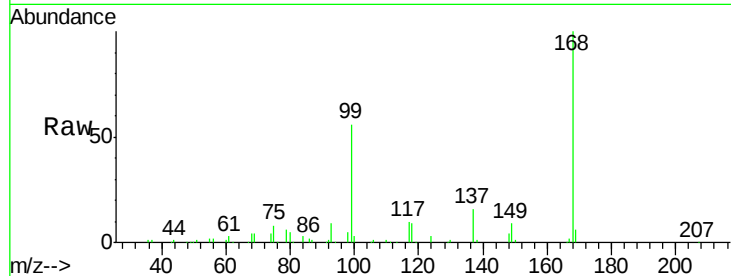
PB127792ZHE#03

Tgt Ion:168 Resp: 196082

Ion Ratio Lower Upper

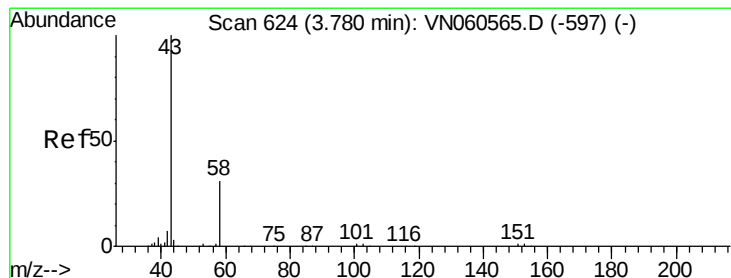
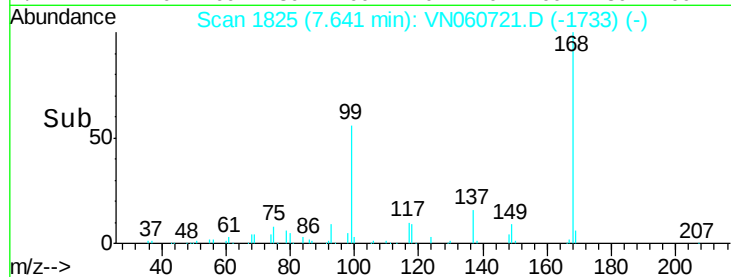
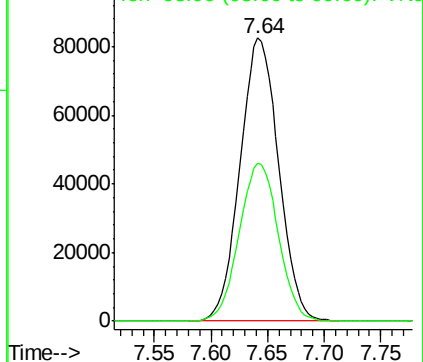
168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.122 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060721.D

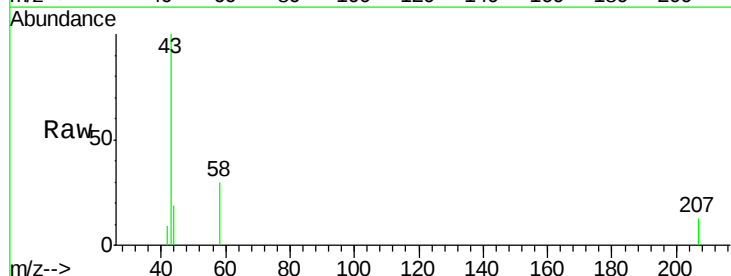
Acq: 26 Mar 2020 18:07

Tgt Ion: 43 Resp: 5837

Ion Ratio Lower Upper

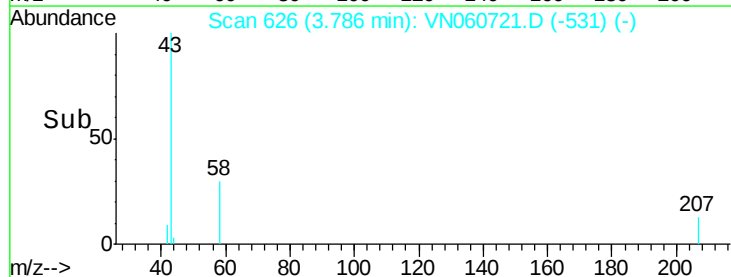
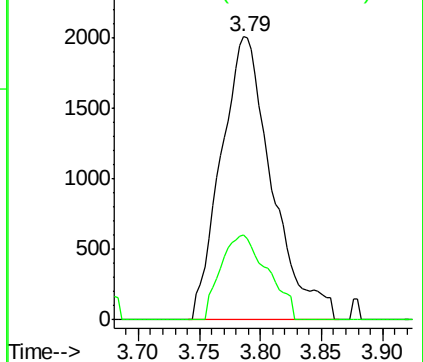
43 100

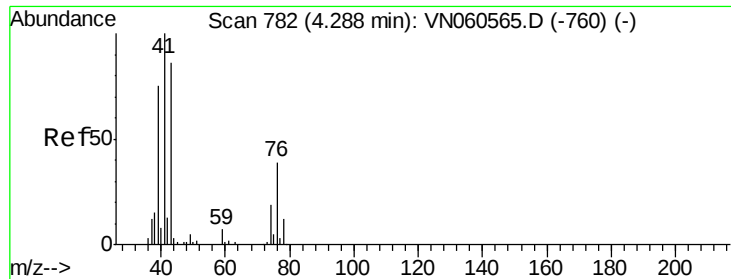
58 29.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

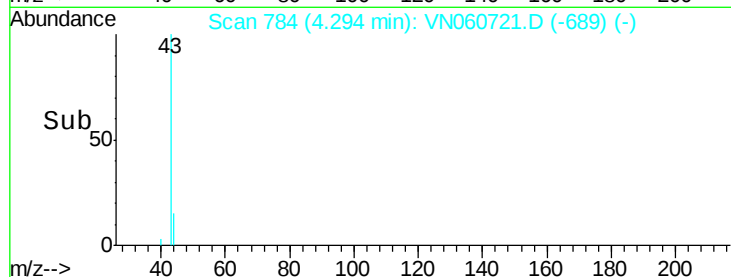
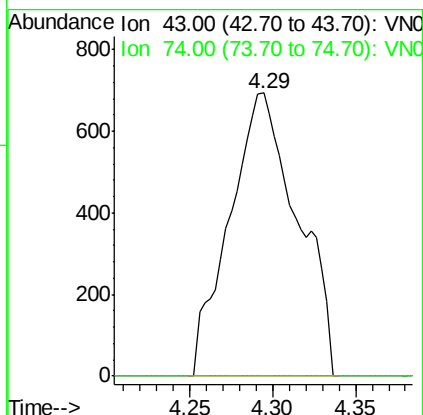
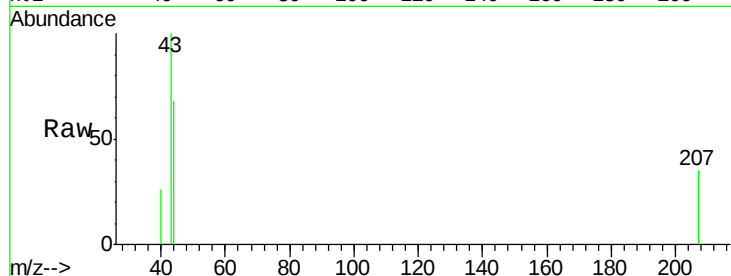




#18
Methyl Acetate
Concen: 0.737 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060721.D
Acq: 26 Mar 2020 18:07

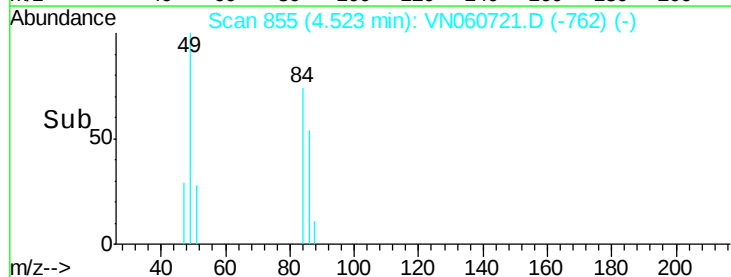
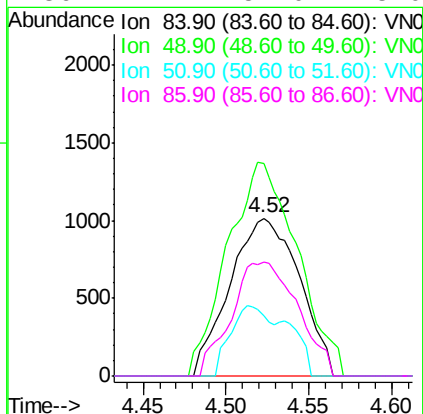
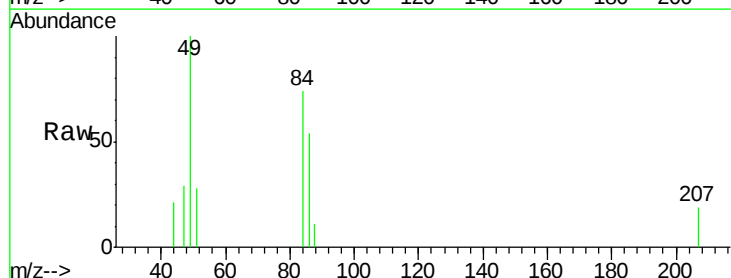
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#03

Tgt Ion: 43 Resp: 1979
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.262 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060721.D
Acq: 26 Mar 2020 18:07

Tgt Ion: 84 Resp: 2959
Ion Ratio Lower Upper
84 100
49 134.5 103.3 154.9
51 38.3 31.6 47.4
86 72.4 52.0 78.0

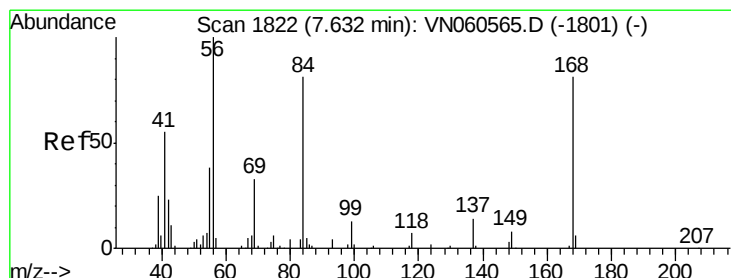
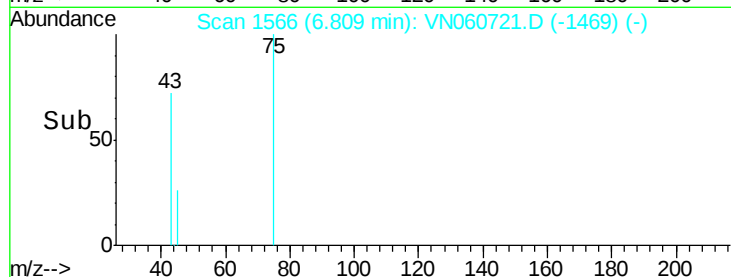
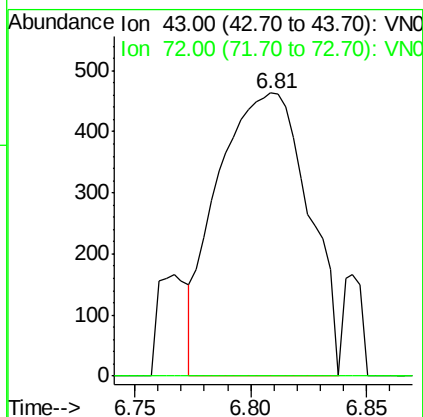
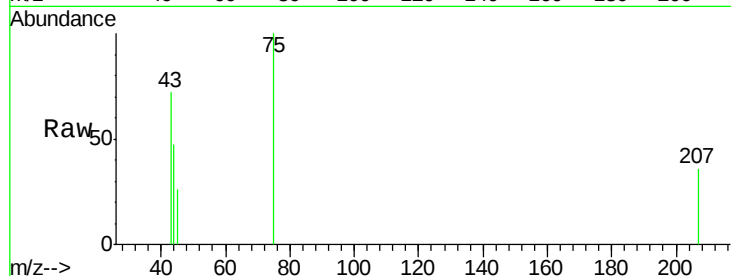




#25
2-Butanone
Concen: 0.817 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060721.D
Acq: 26 Mar 2020 18:07

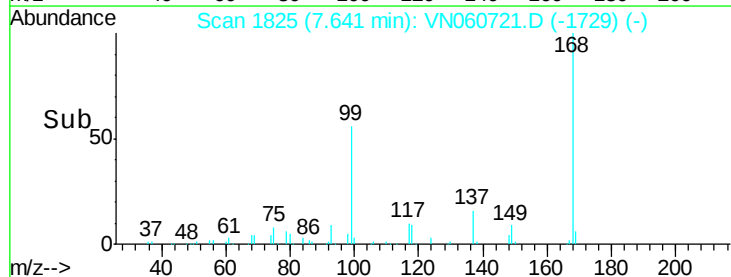
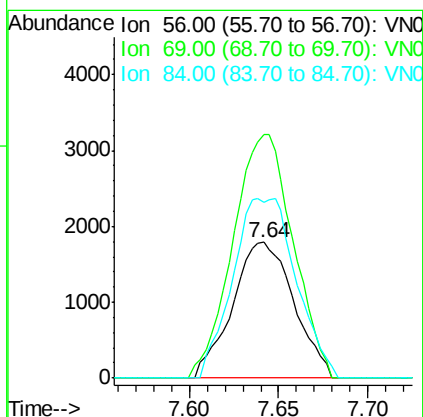
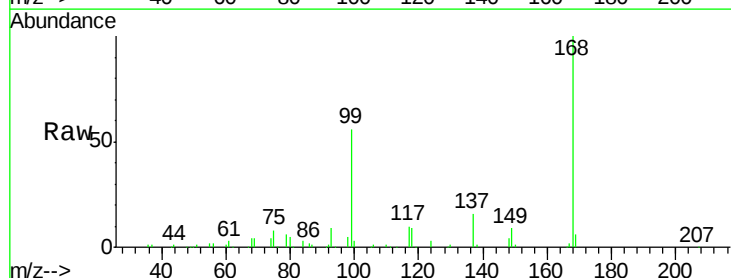
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#03

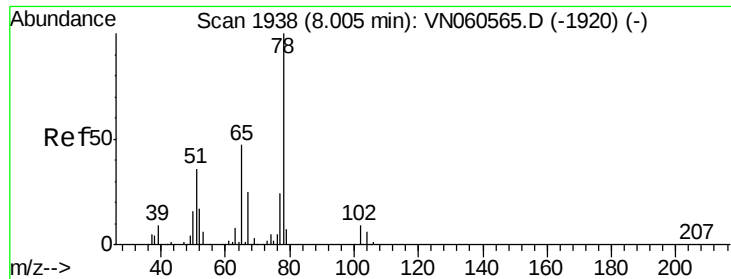
Tgt Ion: 43 Resp: 1261
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.991 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060721.D
Acq: 26 Mar 2020 18:07

Tgt Ion: 56 Resp: 4296
Ion Ratio Lower Upper
56 100
69 179.7 26.6 40.0#
84 129.6 64.3 96.5#

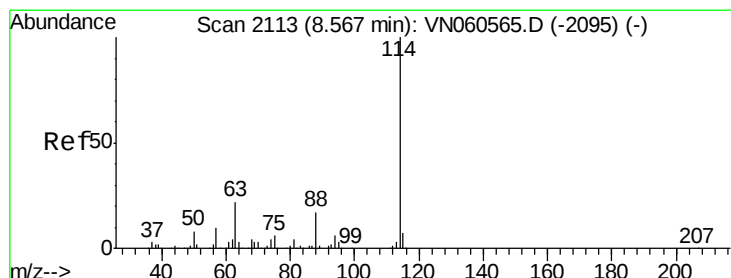
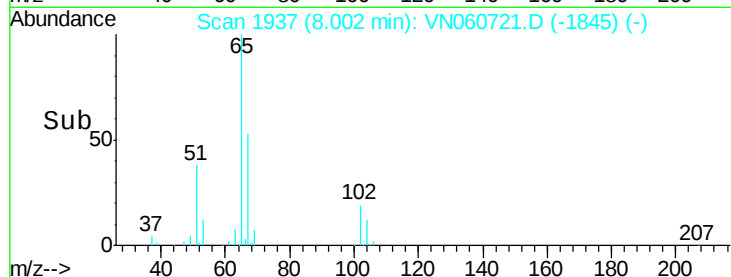
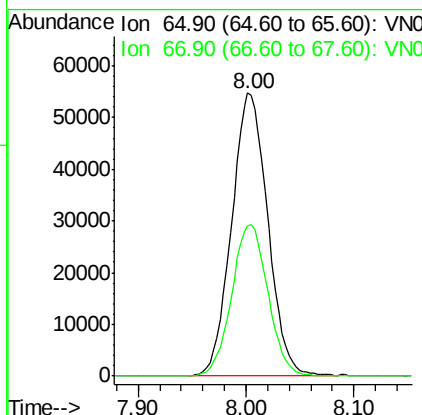
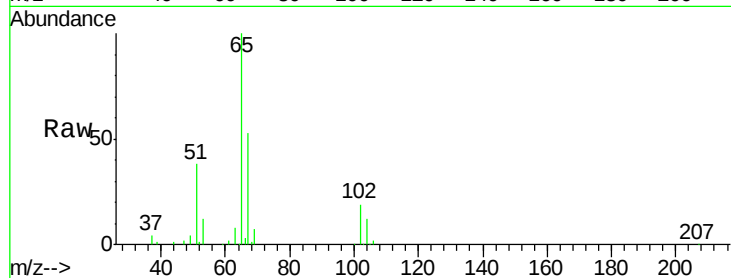




#33
 1,2-Dichloroethane-d4
 Concen: 47.488 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060721.D
 Acq: 26 Mar 2020 18:07

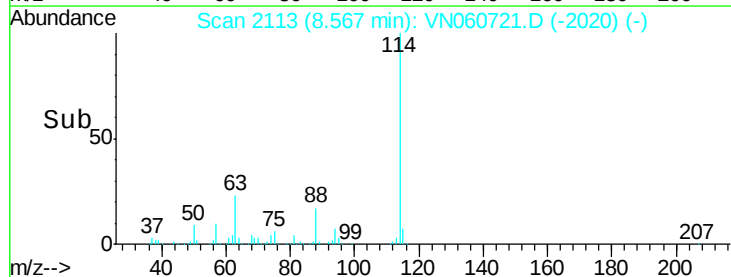
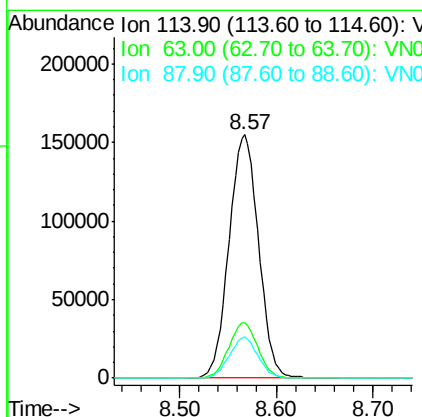
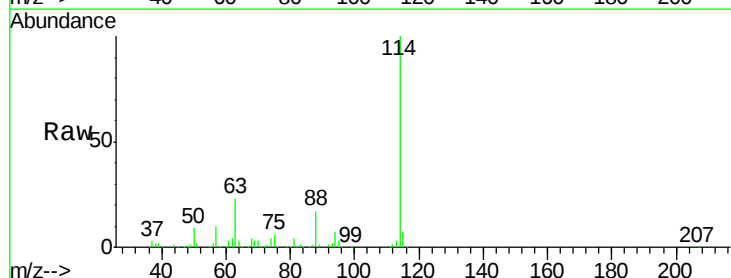
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#03

Tgt Ion: 65 Resp: 127827
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060721.D
 Acq: 26 Mar 2020 18:07

Tgt Ion: 114 Resp: 328086
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.8
 88 16.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.058 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#03

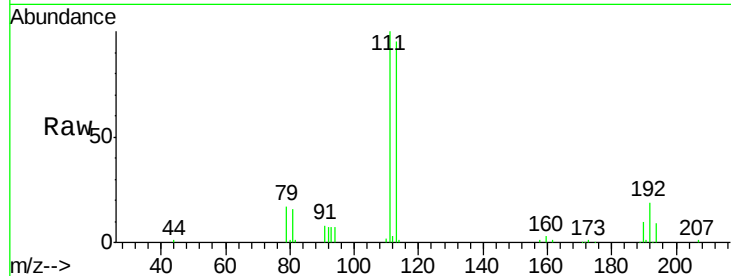
Tgt Ion:113 Resp: 97322

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

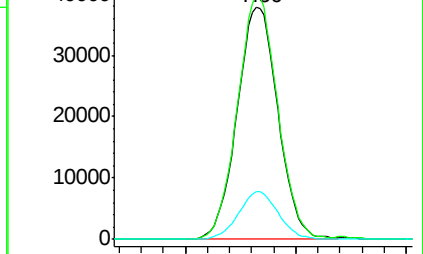
192 19.9 15.8 23.8



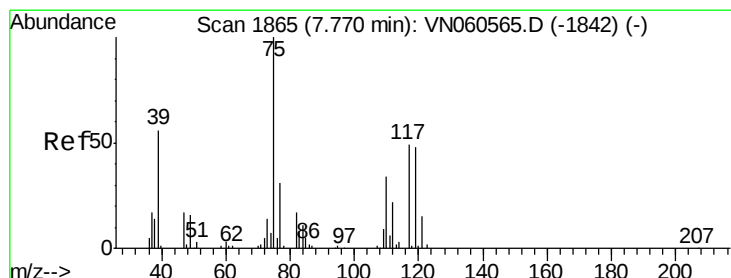
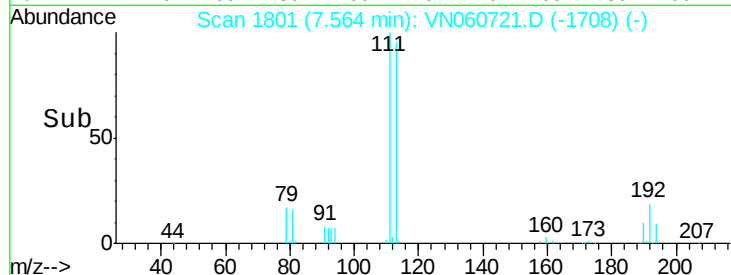
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.804 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

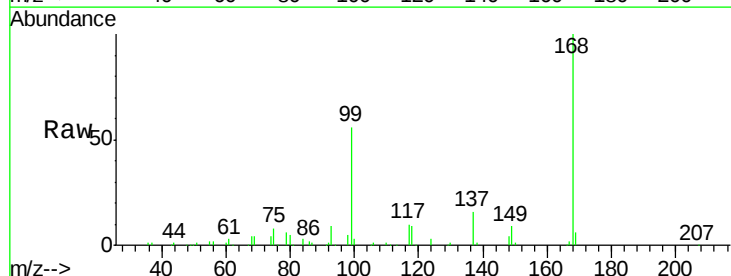
Tgt Ion: 75 Resp: 15262

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.6#

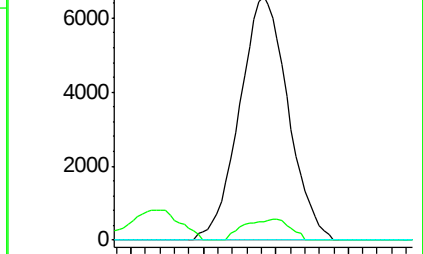
77 0.0 24.6 36.8#



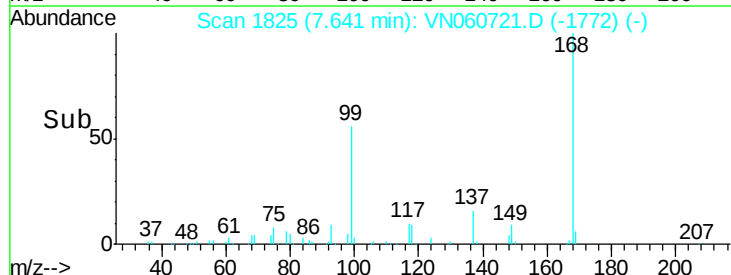
Abundance Ion 74.90 (74.60 to 75.60): V

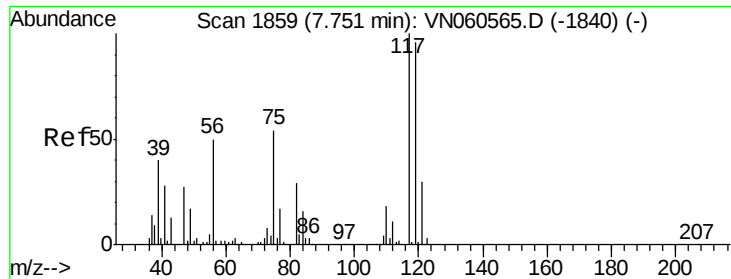
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



Time-->





#38

Carbon Tetrachloride

Concen: 6.490 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#03

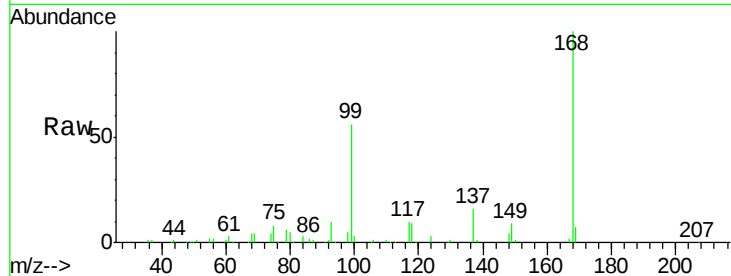
Tgt Ion:117 Resp: 18479

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

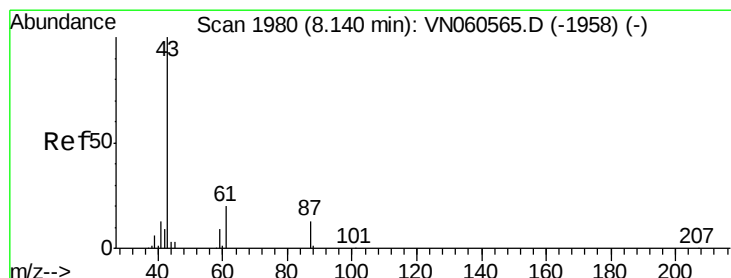
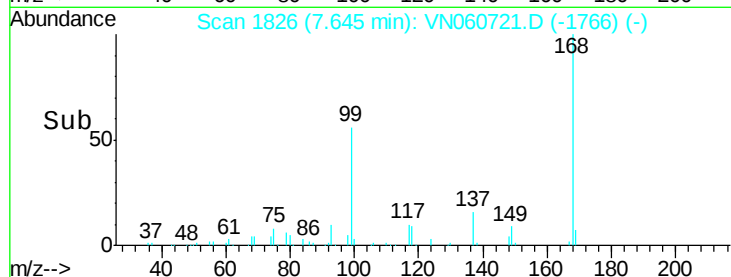
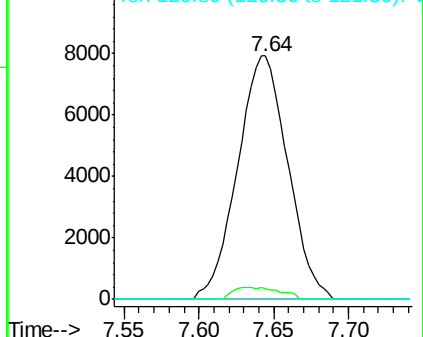
121 0.0 23.7 35.5#



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



#43

Isopropyl Acetate

Concen: 10.752 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

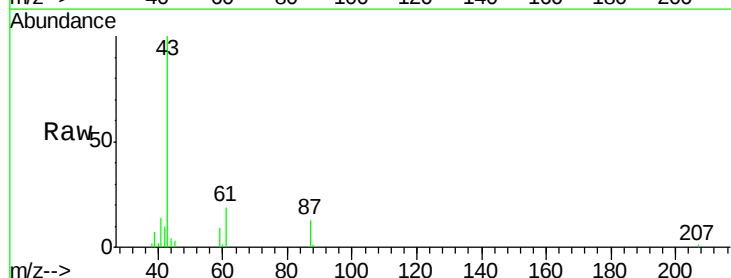
Tgt Ion: 43 Resp: 60869

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

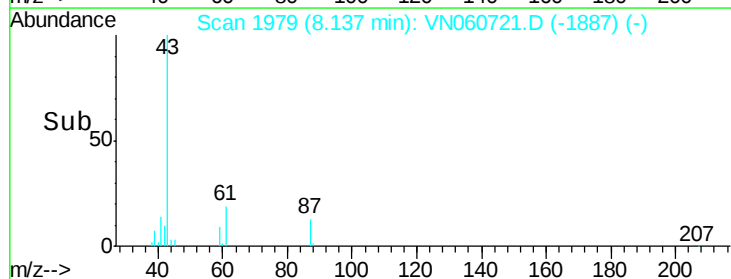
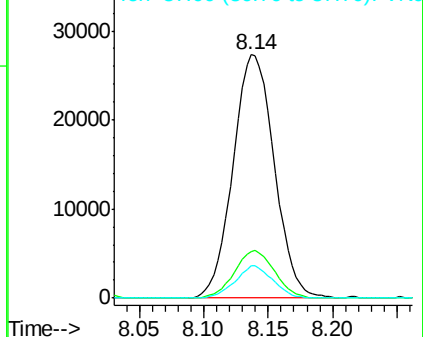
87 12.0 9.8 14.8

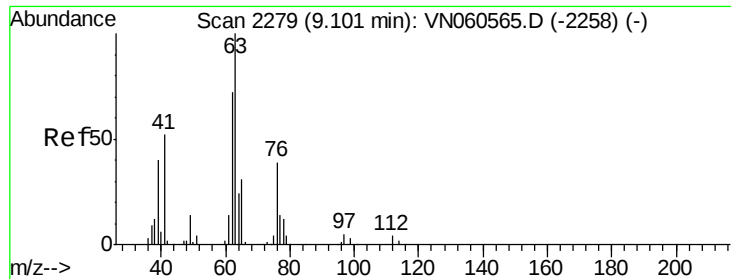


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

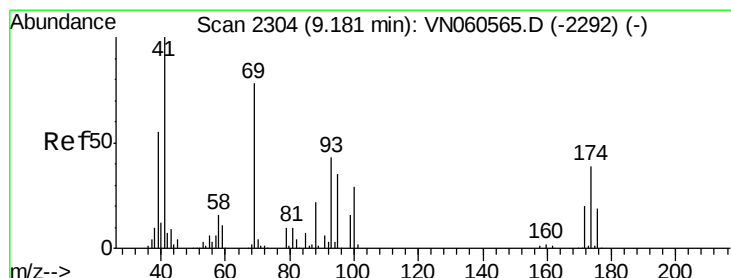
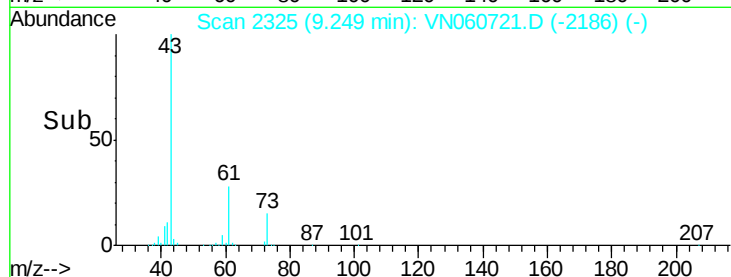
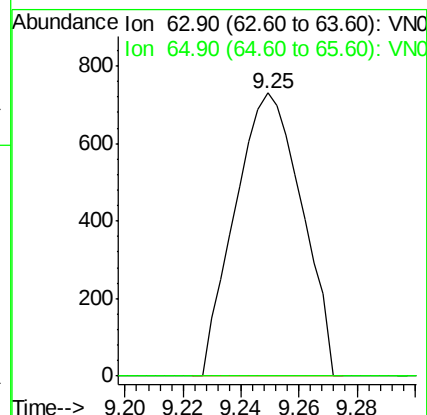
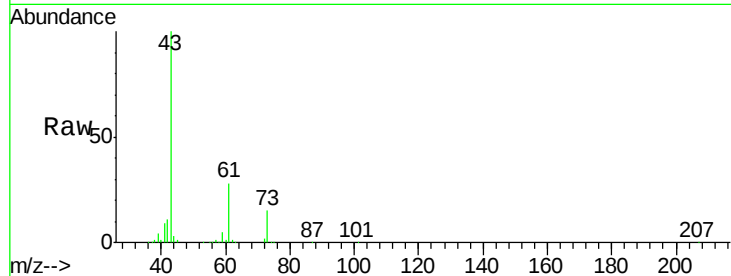
PB127792ZHE#03

Tgt Ion: 63 Resp: 1162

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



#48

Methyl methacrylate

Concen: 1.199 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

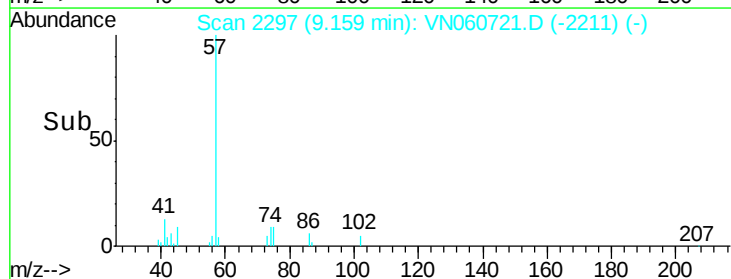
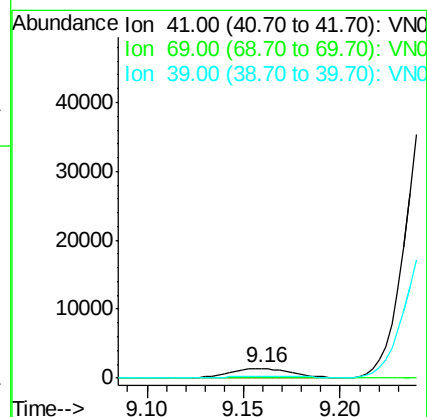
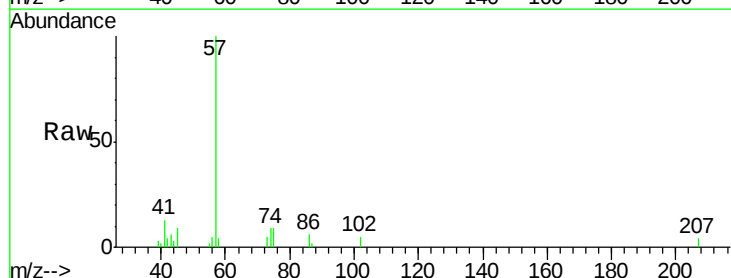
Tgt Ion: 41 Resp: 3022

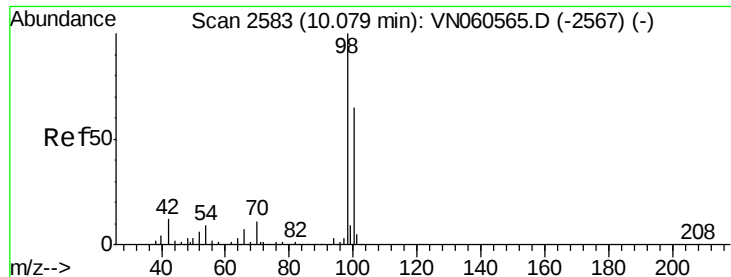
Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#





#50

Toluene-d8

Concen: 49.796 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

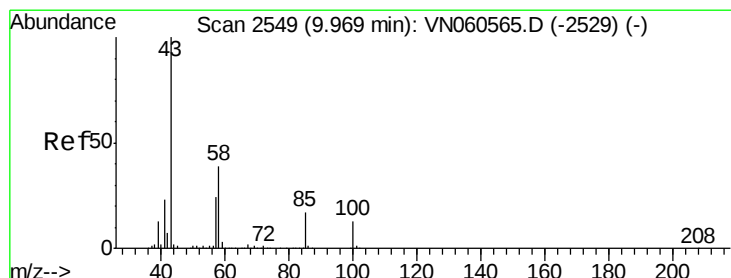
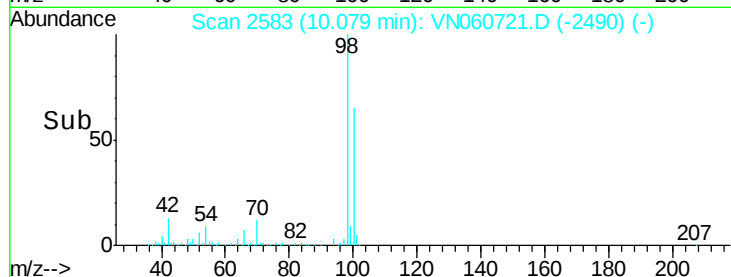
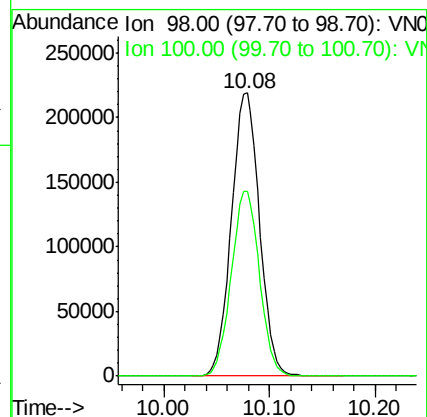
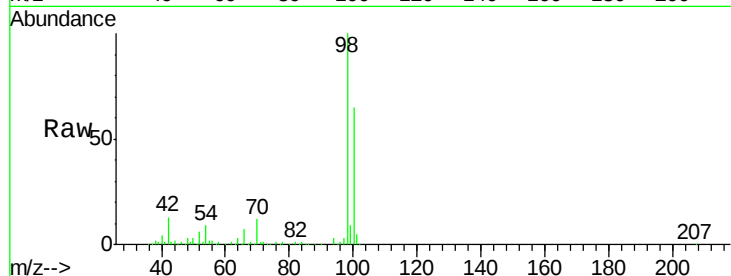
PB127792ZHE#03

Tgt Ion: 98 Resp: 403504

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 1.563 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060721.D

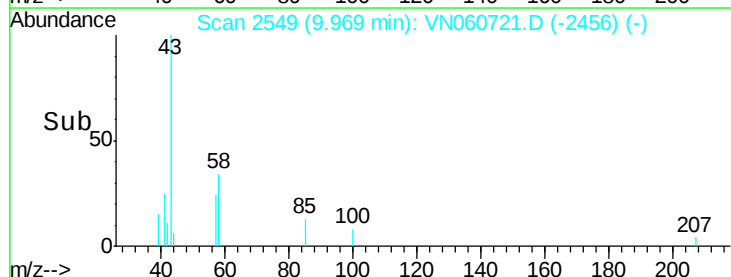
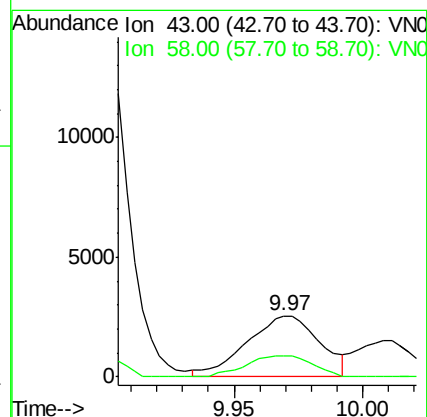
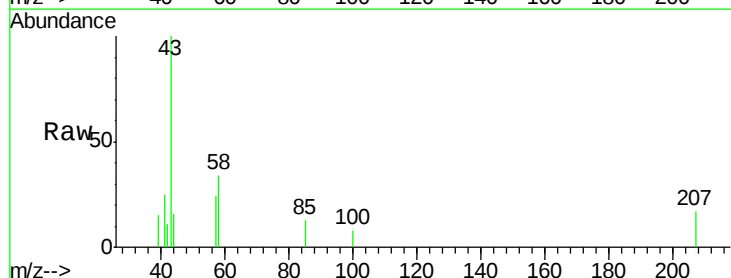
Acq: 26 Mar 2020 18:07

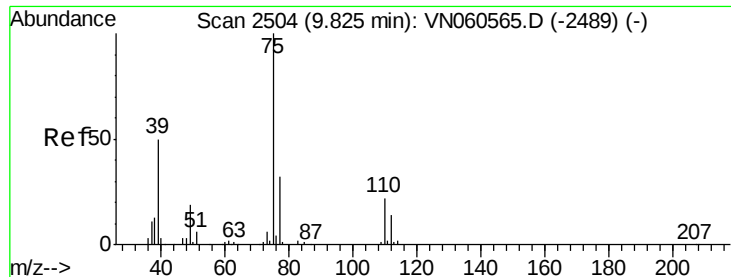
Tgt Ion: 43 Resp: 5035

Ion Ratio Lower Upper

43 100

58 31.2 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 6.366 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#03

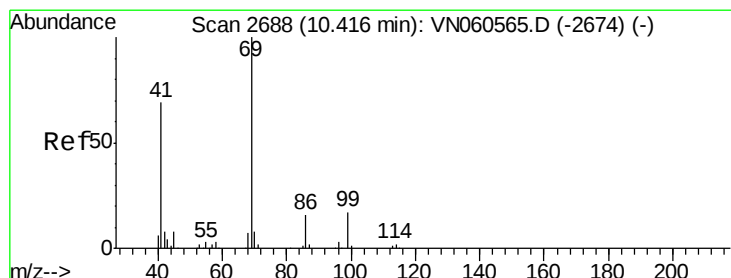
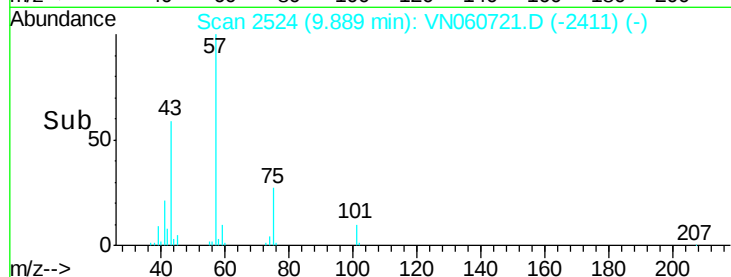
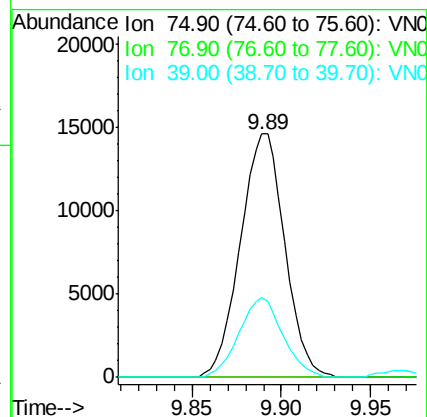
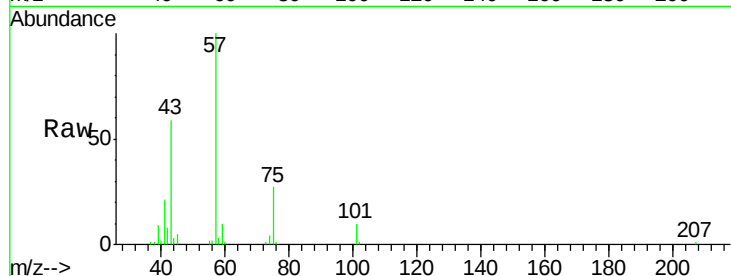
Tgt Ion: 75 Resp: 25504

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 32.6 40.2 60.4#



#56

Ethyl methacrylate

Concen: 0.211 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. 0.11 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

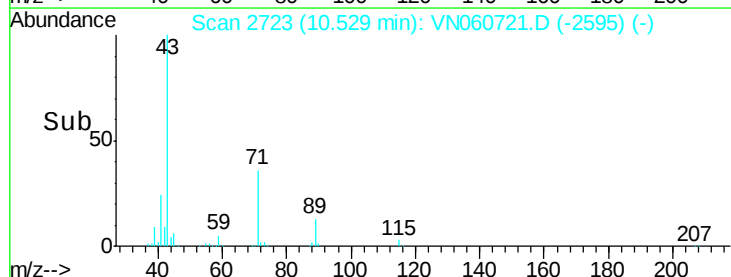
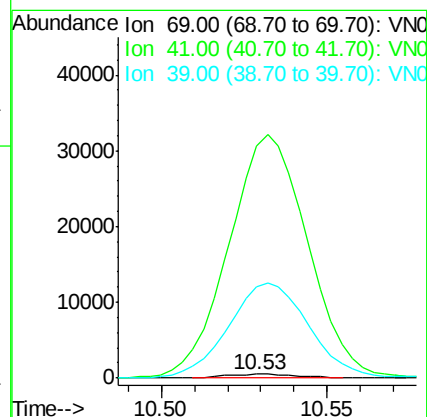
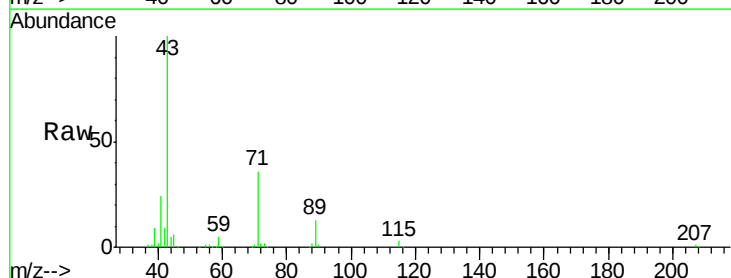
Tgt Ion: 69 Resp: 734

Ion Ratio Lower Upper

69 100

41 7267.8 55.4 83.2#

39 2880.8 29.4 44.0#

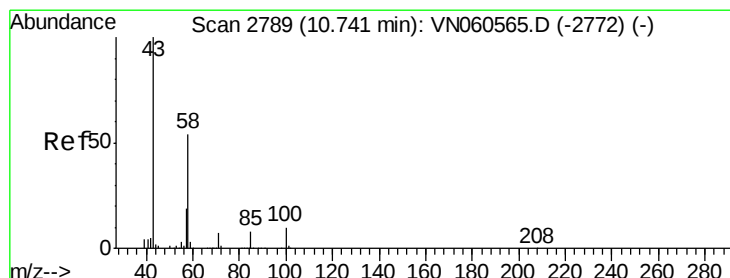
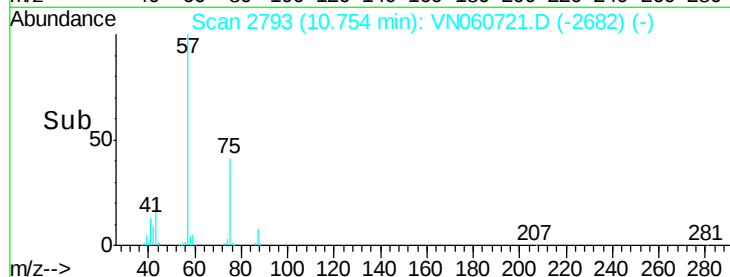
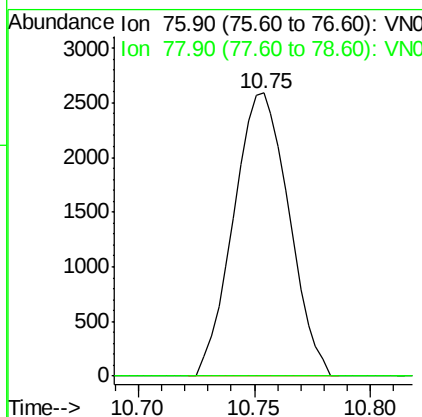
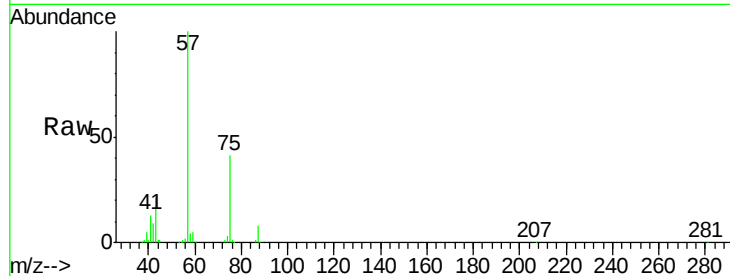




#57
 1,3-Dichloropropane
 Concen: 1.108 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060721.D
 Acq: 26 Mar 2020 18:07

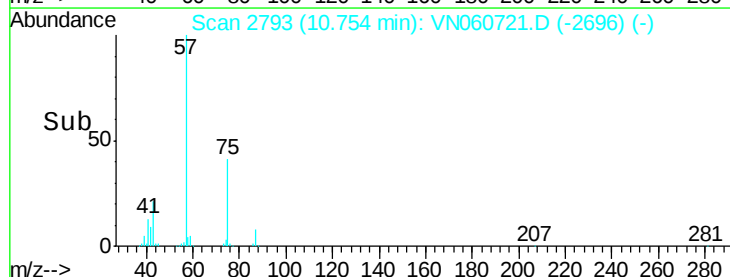
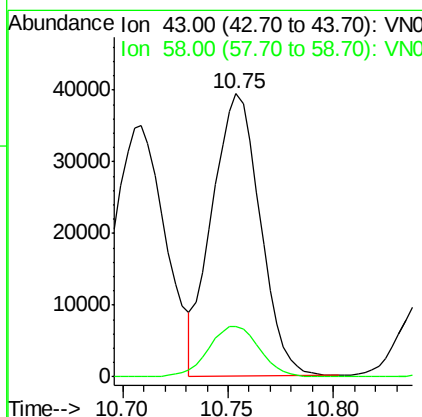
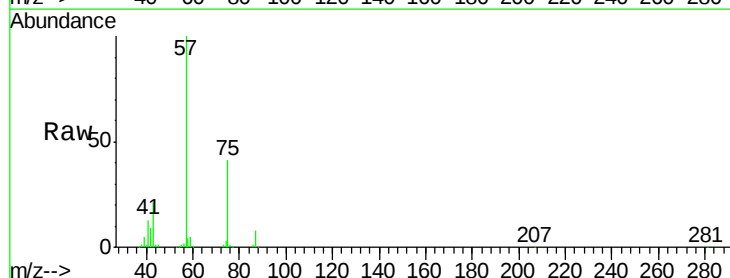
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#03

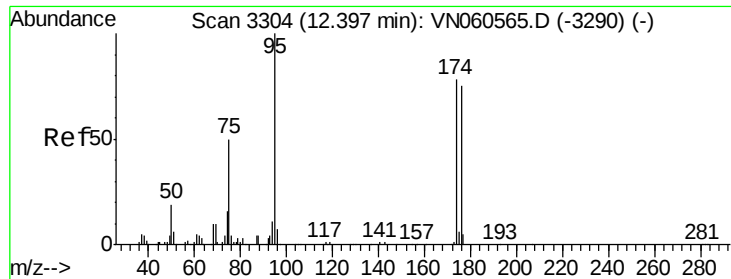
Tgt Ion: 76 Resp: 4283
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 26.879 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060721.D
 Acq: 26 Mar 2020 18:07

Tgt Ion: 43 Resp: 62376
 Ion Ratio Lower Upper
 43 100
 58 19.1 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 50.450 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#03

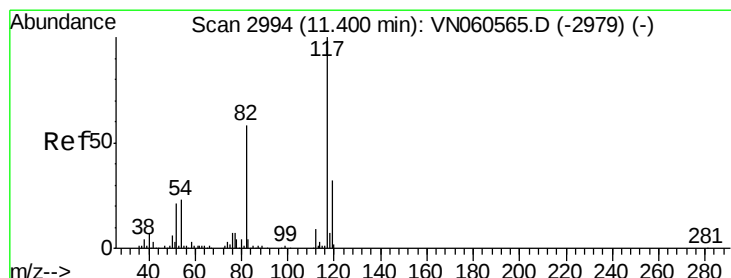
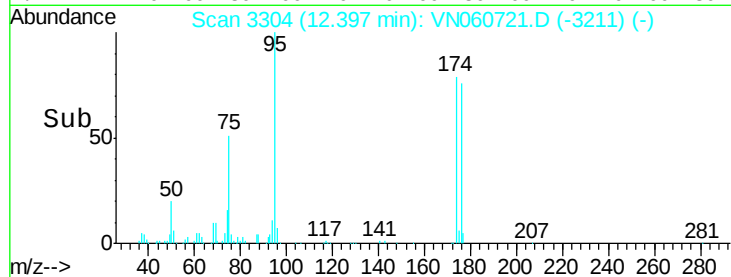
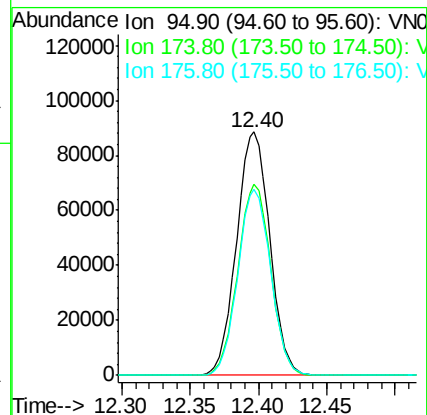
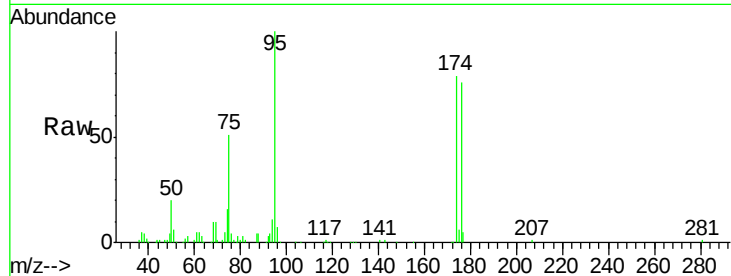
Tgt Ion: 95 Resp: 149820

Ion Ratio Lower Upper

95 100

174 77.8 0.0 157.6

176 75.5 0.0 150.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

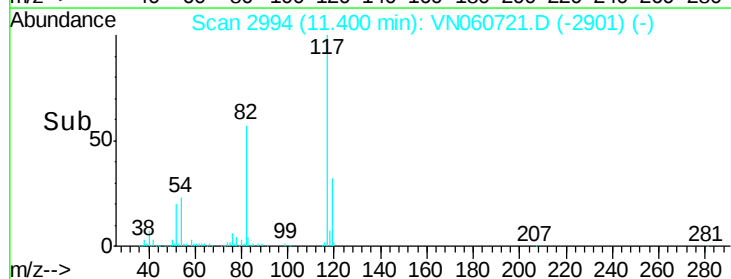
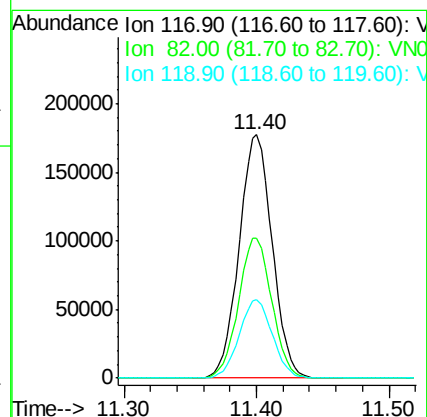
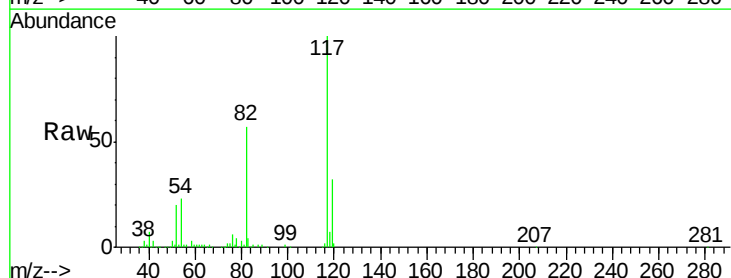
Tgt Ion: 117 Resp: 306915

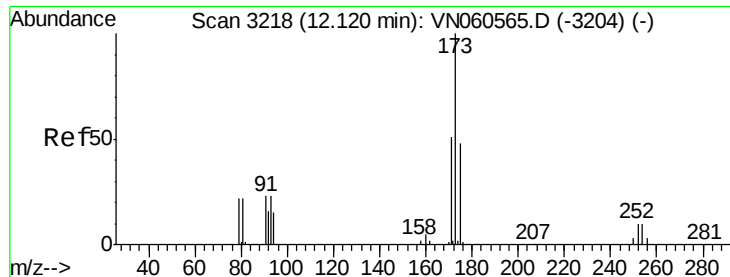
Ion Ratio Lower Upper

117 100

82 57.5 46.7 70.1

119 32.1 25.5 38.3

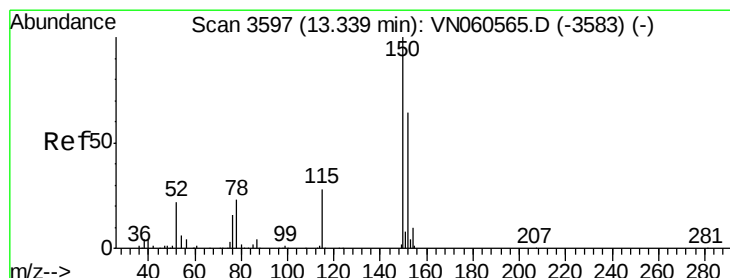
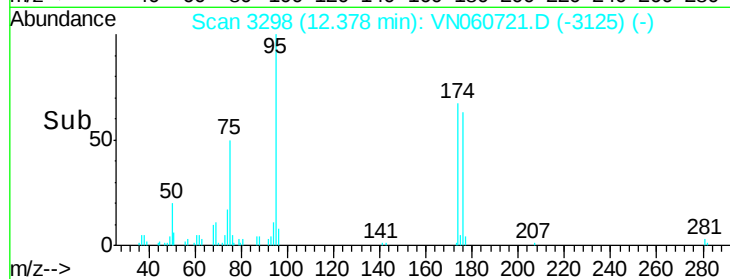
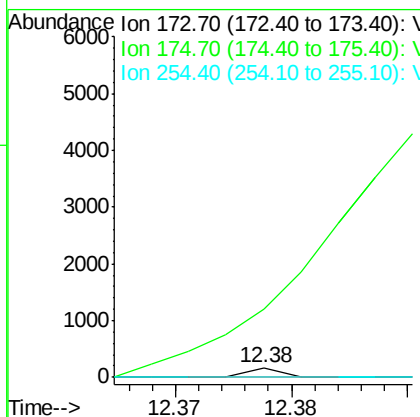
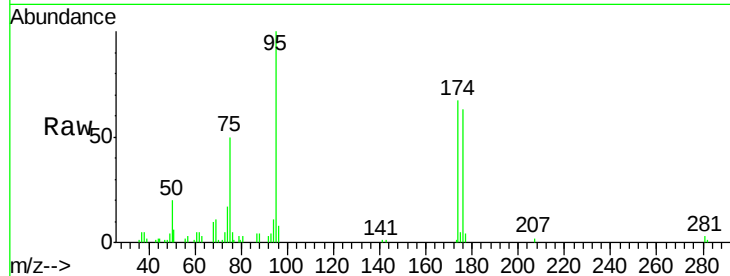




#71
Bromoform
Concen: 1.698 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.26 min
Lab File: VN060721.D
Acq: 26 Mar 2020 18:07

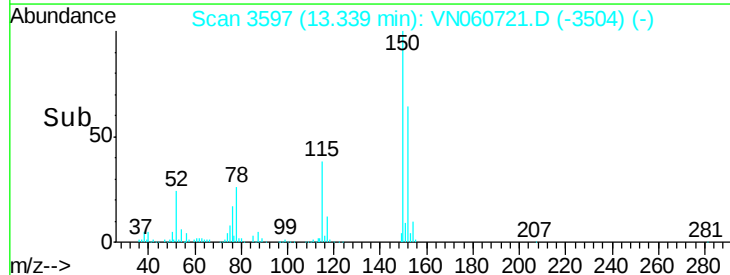
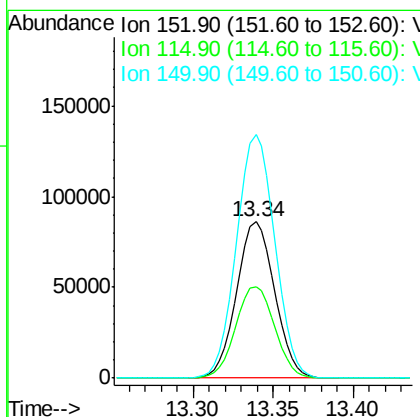
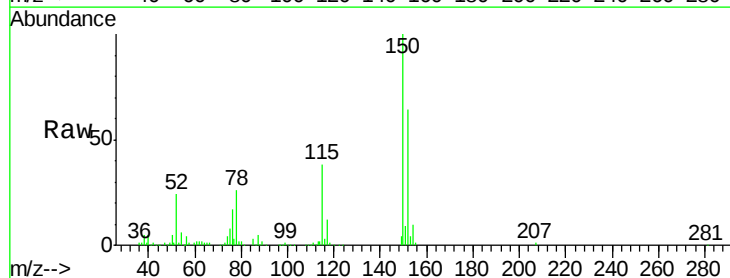
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#03

Tgt Ion:173 Resp: 33
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060721.D
Acq: 26 Mar 2020 18:07

Tgt Ion:152 Resp: 139401
Ion Ratio Lower Upper
152 100
115 59.9 30.2 90.6
150 157.0 0.0 350.2





#74

N-amyI acetate

Concen: 0.494 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060721.D

Acq: 26 Mar 2020 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#03

Tgt Ion: 43 Resp: 2386

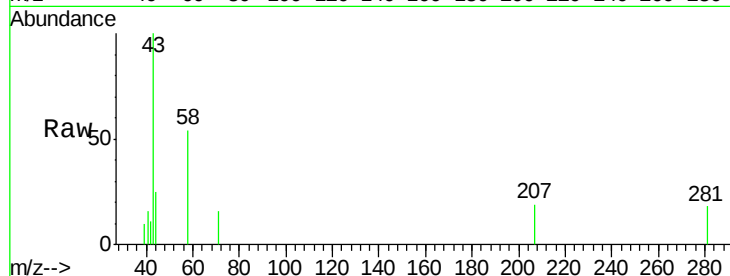
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

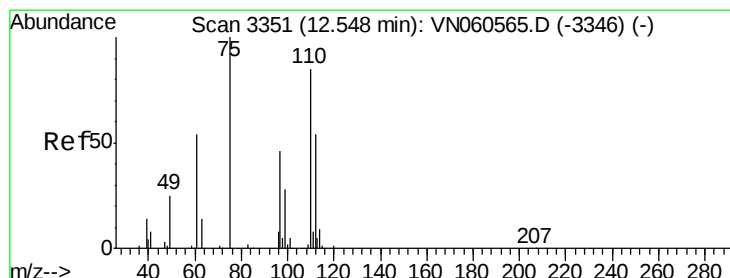
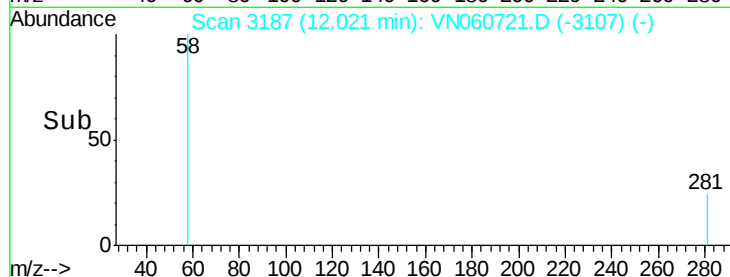
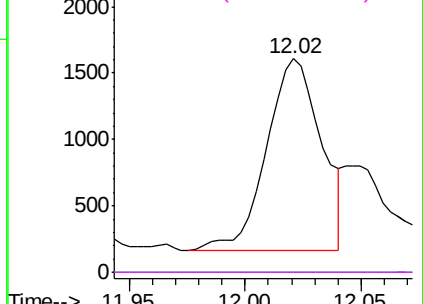


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.185 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060721.D

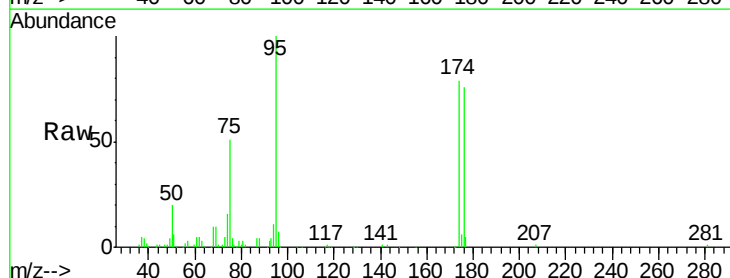
Acq: 26 Mar 2020 18:07

Tgt Ion: 75 Resp: 75756

Ion Ratio Lower Upper

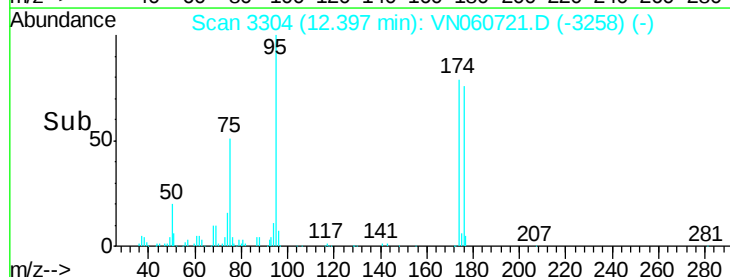
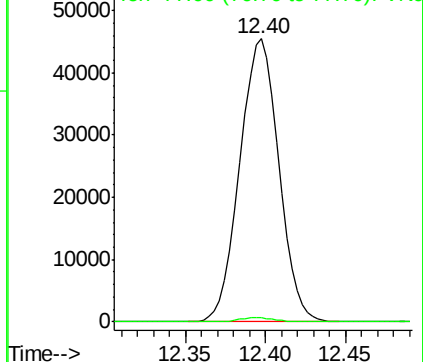
75 100

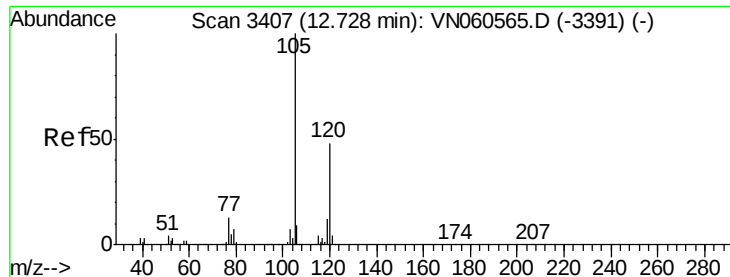
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

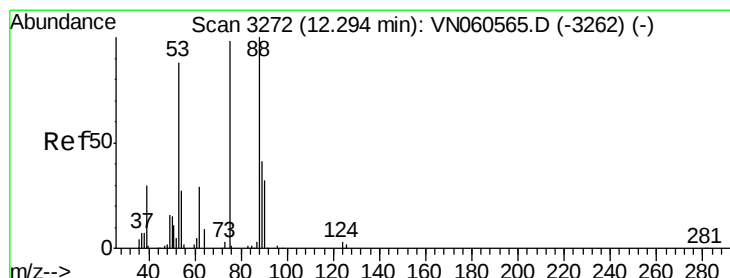
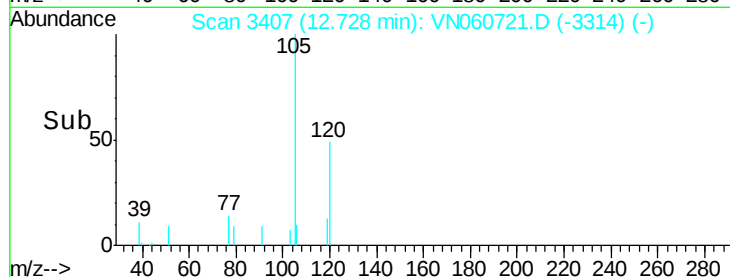
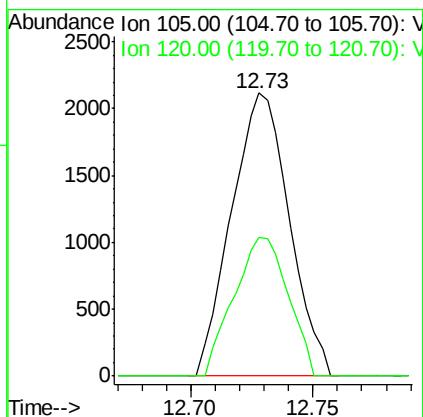
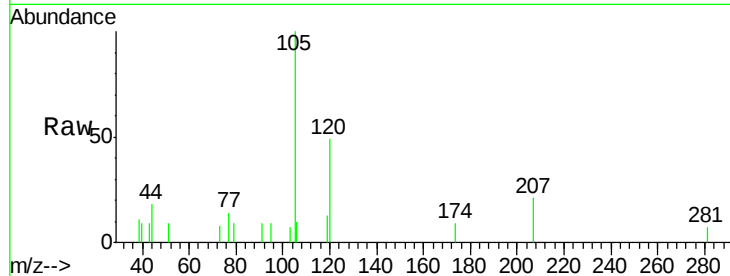




#80
 1,3,5-Trimethylbenzene
 Concen: 0.391 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060721.D
 Acq: 26 Mar 2020 18:07

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#03

Tgt Ion: 105 Resp: 3475
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.682 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060721.D
 Acq: 26 Mar 2020 18:07

Tgt Ion: 75 Resp: 75756
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

