

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060746.D
 Acq On : 27 Mar 2020 16:46
 Operator : JC/MD
 Sample : PB127814ZHE#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#11

Quant Time: Mar 28 02:01:07 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

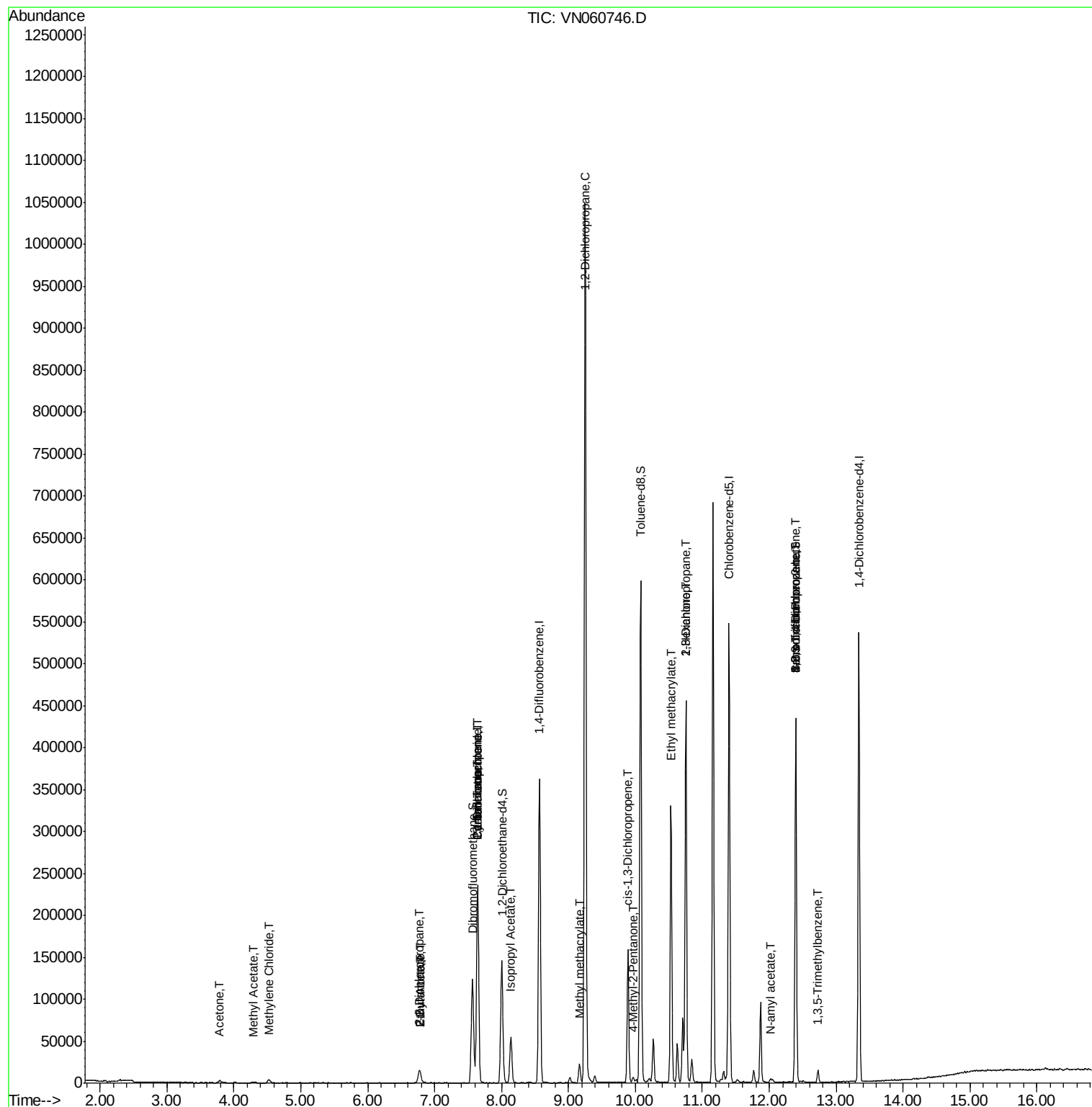
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	306018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140474	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125863	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
35) Dibromofluoromethane	7.56	113	97487	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	10.08	98	400849	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.40	95	150818	51.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	5489	5.886	ug/l	98
18) Methyl Acetate	4.30	43	2187	0.833	ug/l #	60
20) Methylene Chloride	4.53	84	2941	1.282	ug/l	95
25) 2-Butanone	6.79	43	1289	0.854	ug/l #	50
26) 2,2-Dichloropropane	6.77	77	943	0.285	ug/l #	53
31) Cyclohexane	7.64	56	4211	0.993	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14807	4.755	ug/l #	48
37) Ethyl Acetate	6.79	43	1289	0.383	ug/l #	82
38) Carbon Tetrachloride	7.64	117	18240	6.535	ug/l #	16
43) Isopropyl Acetate	8.14	43	65618	11.824	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1131	0.456	ug/l #	43
48) Methyl methacrylate	9.16	41	3366	1.362	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4907	1.554	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	28509	7.259	ug/l #	59
56) Ethyl methacrylate	10.53	69	712	0.209	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	4524	1.194	ug/l #	42
59) 2-Hexanone	10.75	43	66926	29.420	ug/l #	53
71) Bromoform	12.39	173	332	1.856	ug/l #	1
74) N-amyl acetate	12.02	43	2653	0.545	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	75595	24.939	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8247	0.922	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	75595	64.052	ug/l #	13

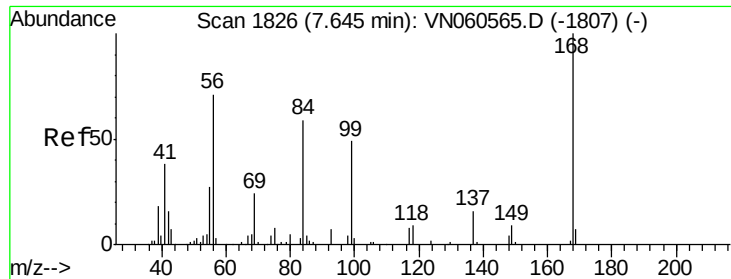
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

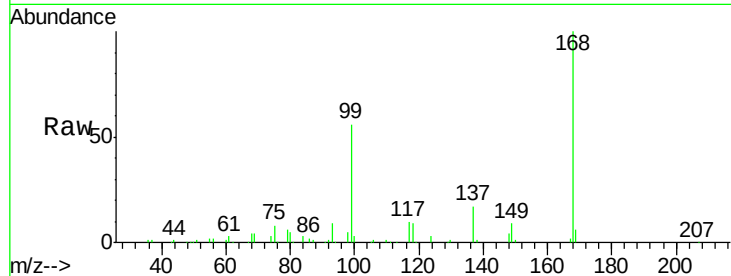
PB127814ZHE#11

Tgt Ion:168 Resp: 191777

Ion Ratio Lower Upper

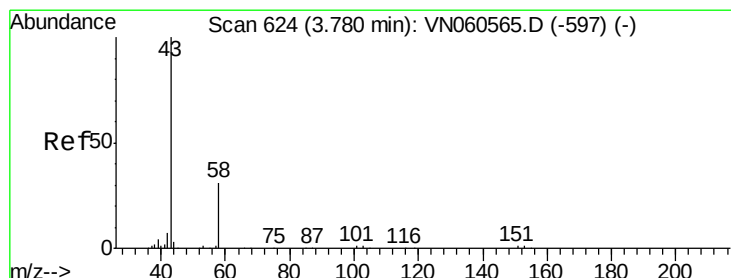
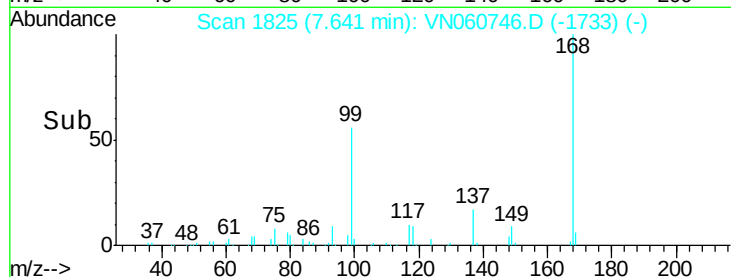
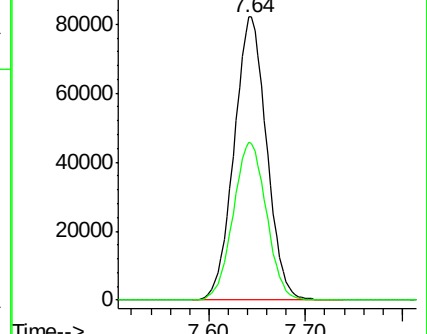
168 100

99 55.8 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: 5.886 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060746.D

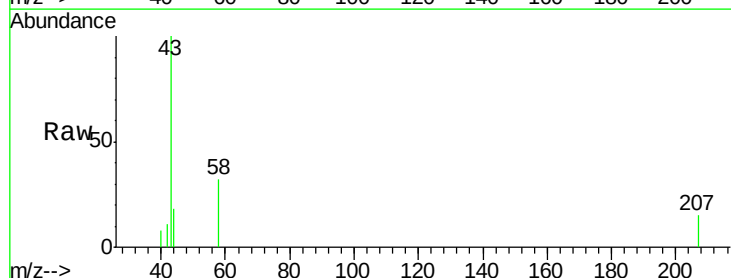
Acq: 27 Mar 2020 16:46

Tgt Ion: 43 Resp: 5489

Ion Ratio Lower Upper

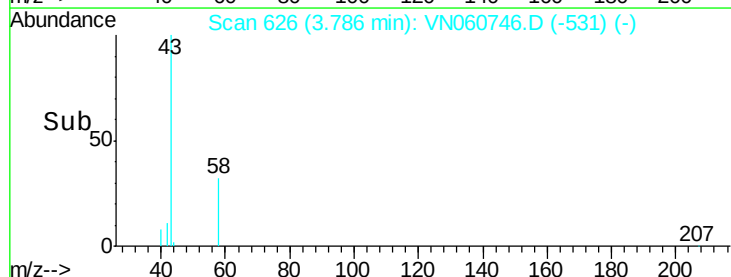
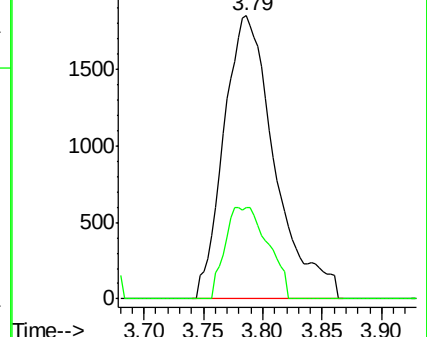
43 100

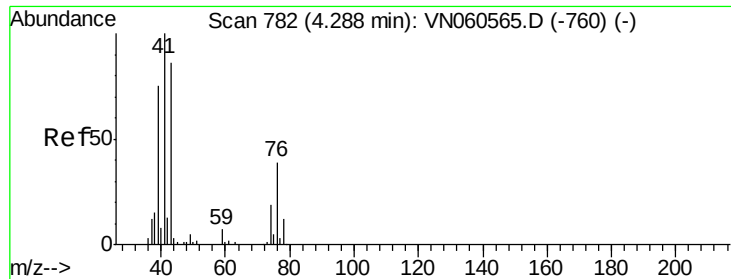
58 32.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

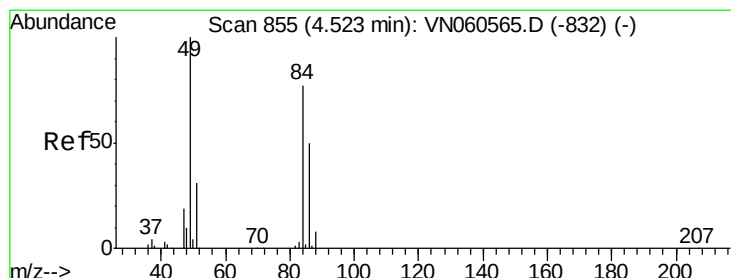
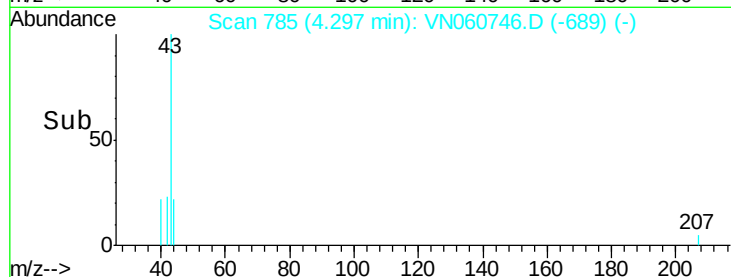
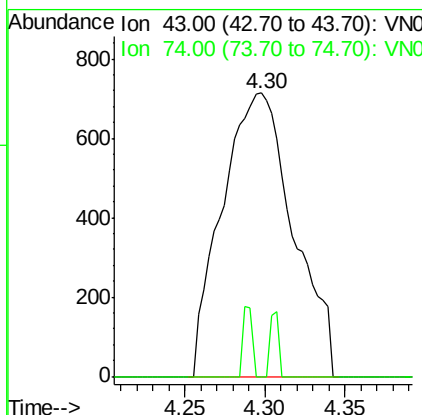
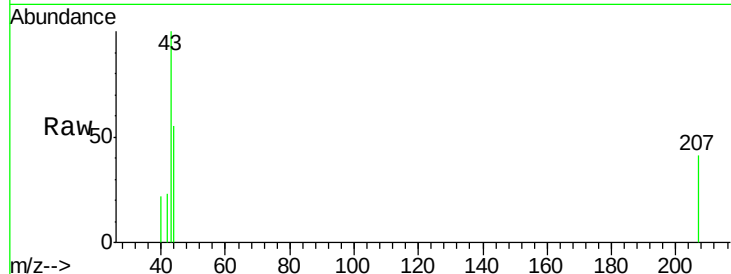




#18
Methyl Acetate
Concen: 0.833 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060746.D
Acq: 27 Mar 2020 16:46

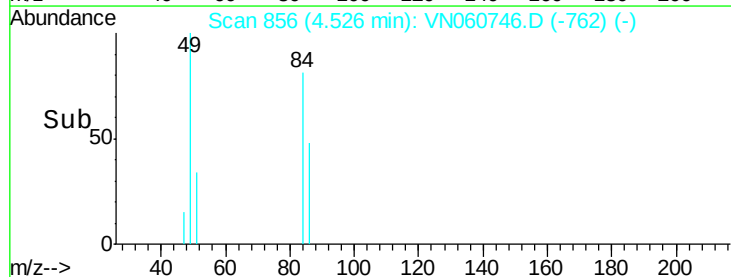
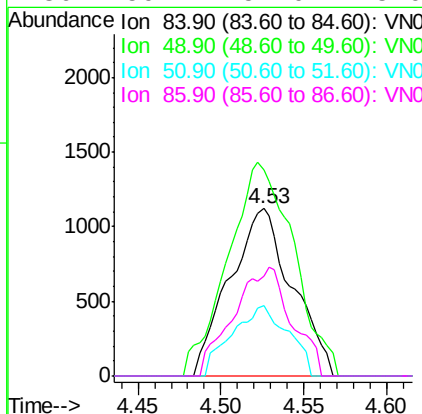
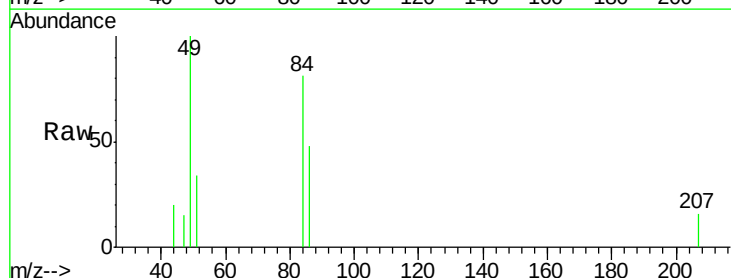
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#11

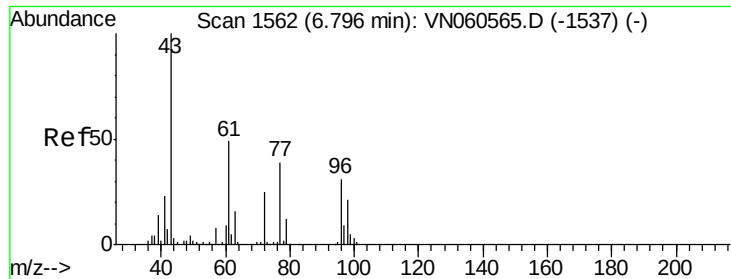
Tgt Ion: 43 Resp: 2187
Ion Ratio Lower Upper
43 100
74 2.8 17.5 26.3#



#20
Methylene Chloride
Concen: 1.282 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060746.D
Acq: 27 Mar 2020 16:46

Tgt Ion: 84 Resp: 2941
Ion Ratio Lower Upper
84 100
49 123.4 103.3 154.9
51 41.8 31.6 47.4
86 59.7 52.0 78.0

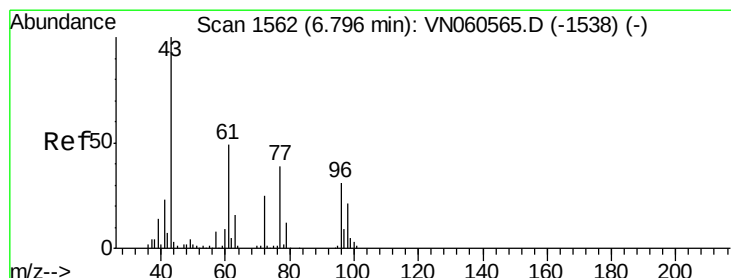
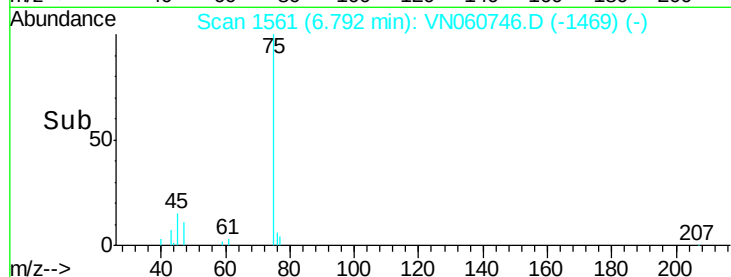
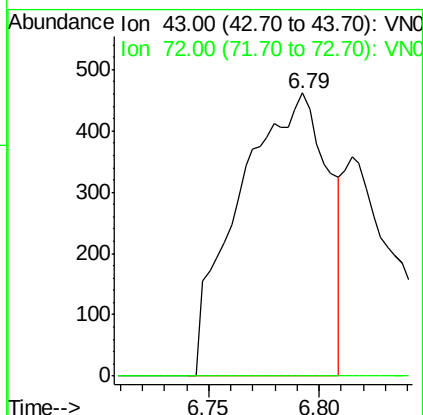
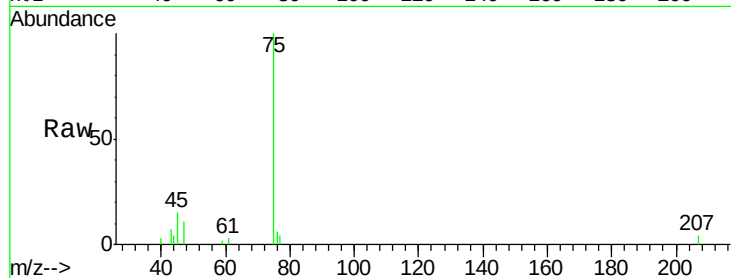




#25
 2-Butanone
 Concen: 0.854 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

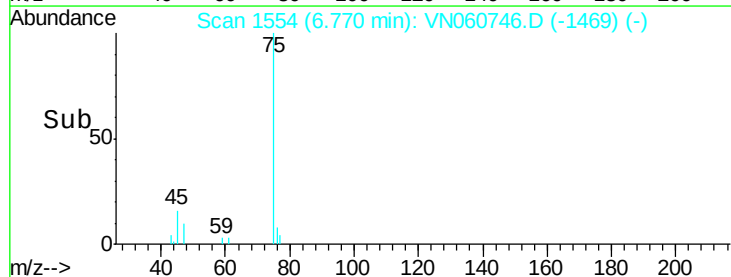
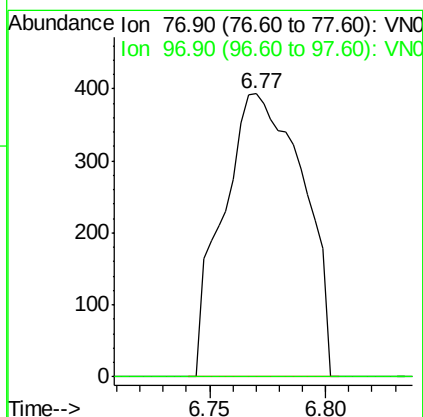
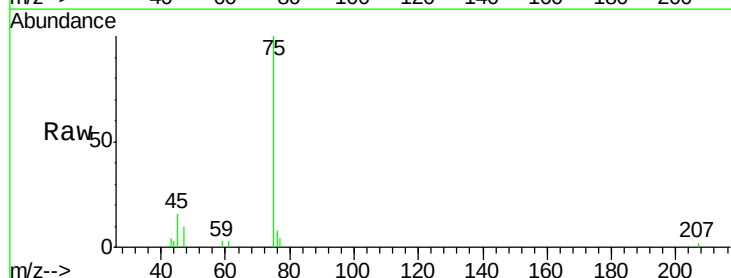
Instrument :
 MSVOA_N
 ClientSampleID :
 PB127814ZHE#11

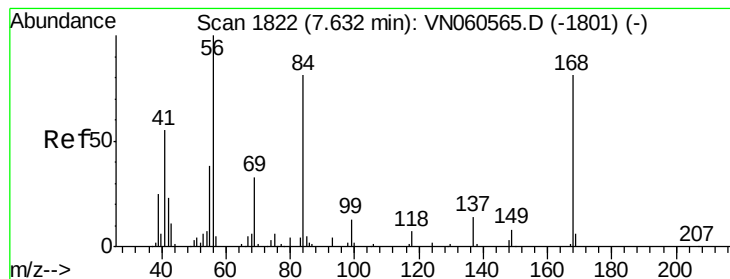
Tgt Ion: 43 Resp: 1289
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.4 30.6#



#26
 2,2-Dichloropropane
 Concen: 0.285 ug/l
 RT: 6.77 min Scan# 1554
 Delta R.T. -0.03 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

Tgt Ion: 77 Resp: 943
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.4 34.1#





#31

Cyclohexane

Concen: 0.993 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#11

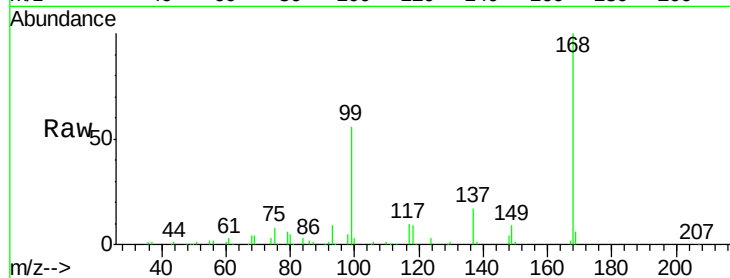
Tgt Ion: 56 Resp: 4211

Ion Ratio Lower Upper

56 100

69 160.9 26.6 40.0#

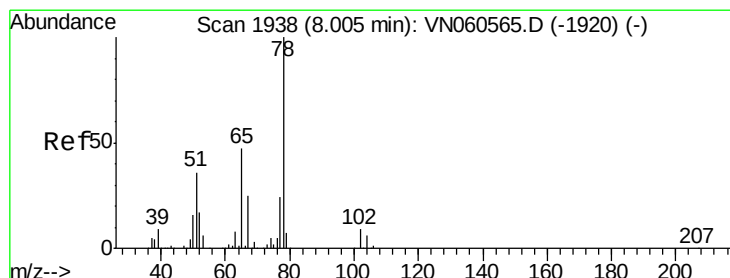
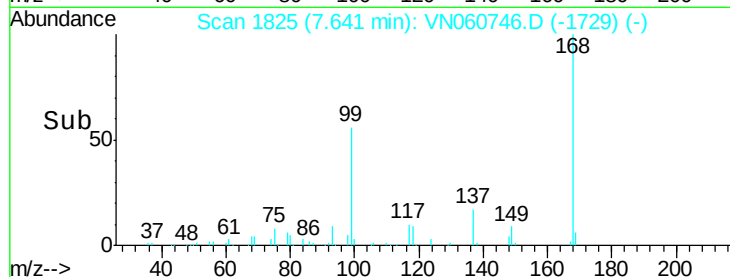
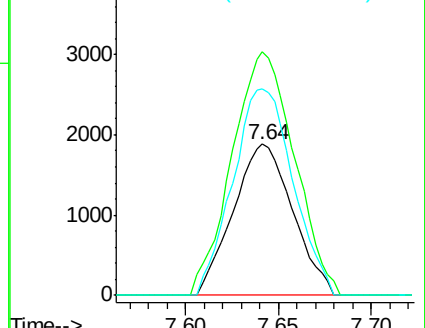
84 136.2 64.3 96.5#



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: 47.808 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060746.D

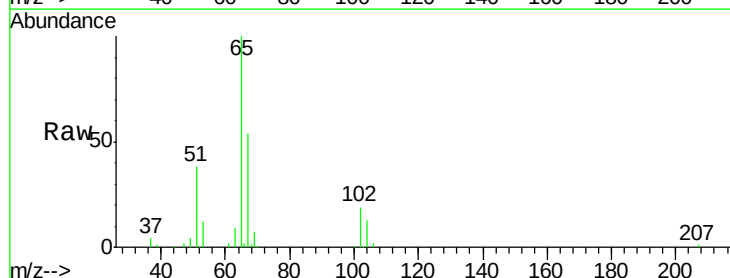
Acq: 27 Mar 2020 16:46

Tgt Ion: 65 Resp: 125863

Ion Ratio Lower Upper

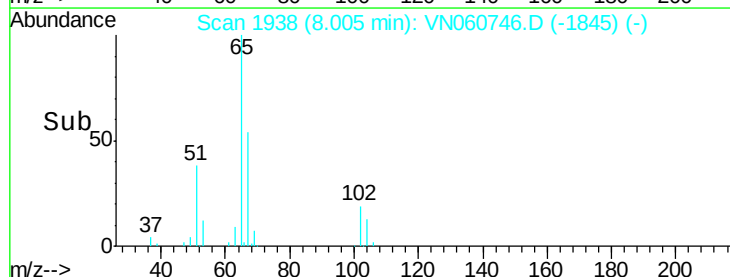
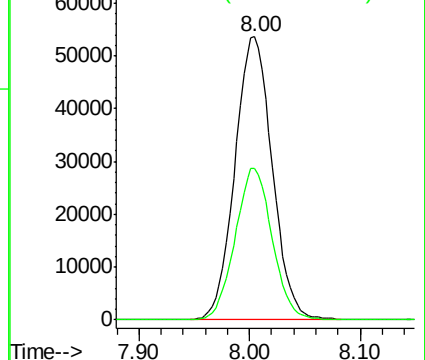
65 100

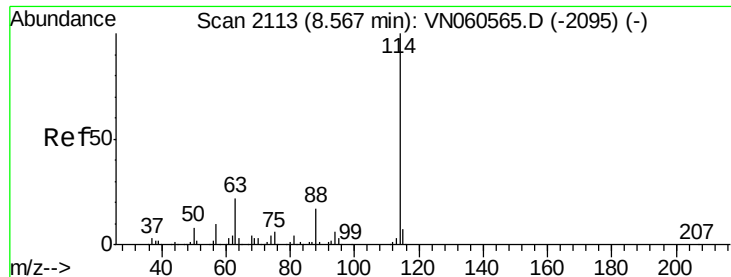
67 53.1 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

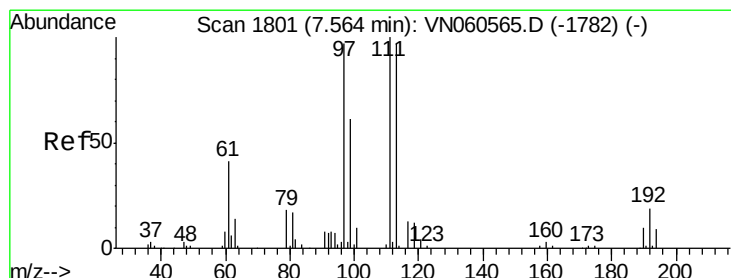
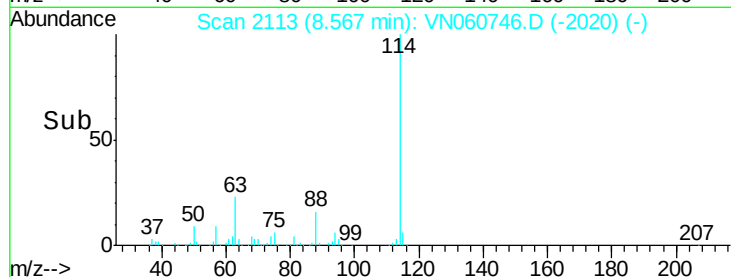
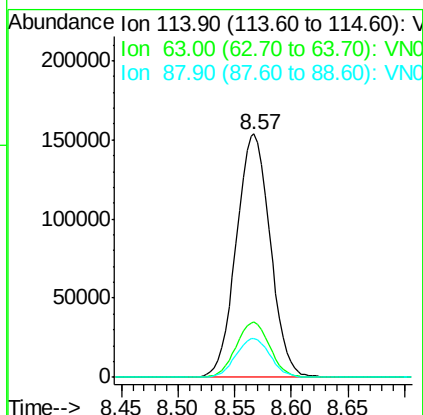
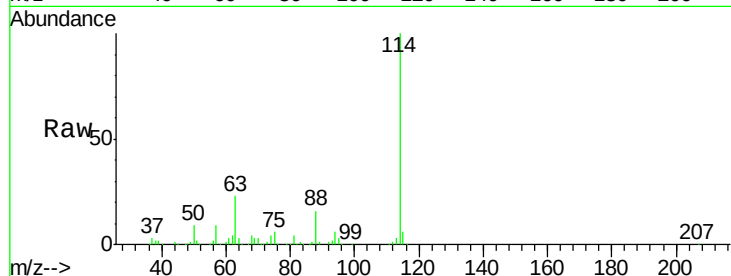




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

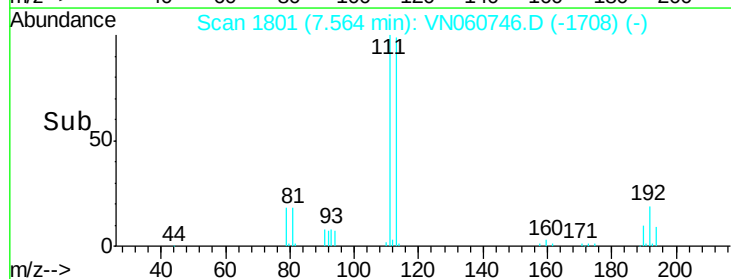
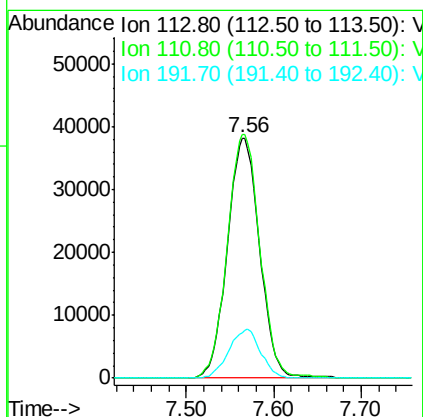
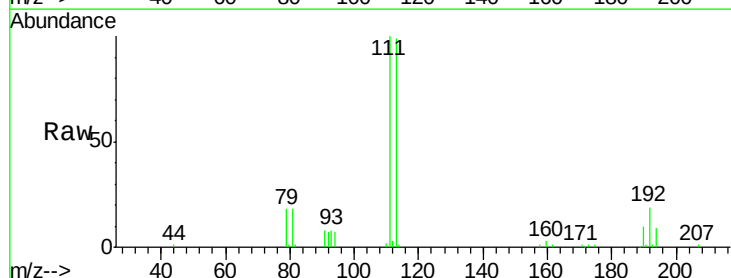
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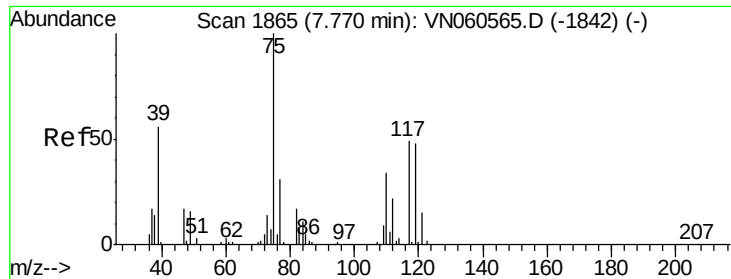
Tgt Ion:114 Resp: 321619
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 16.1 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.129 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

Tgt Ion:113 Resp: 97487
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.9 124.3
 192 19.9 15.8 23.8

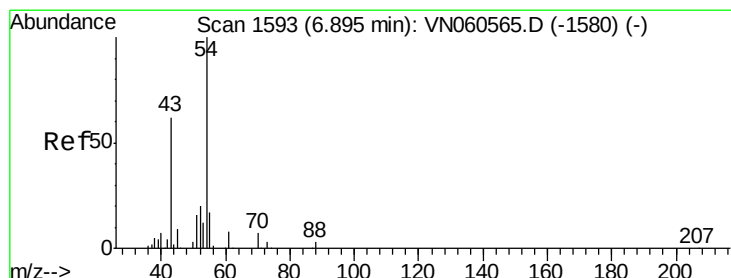
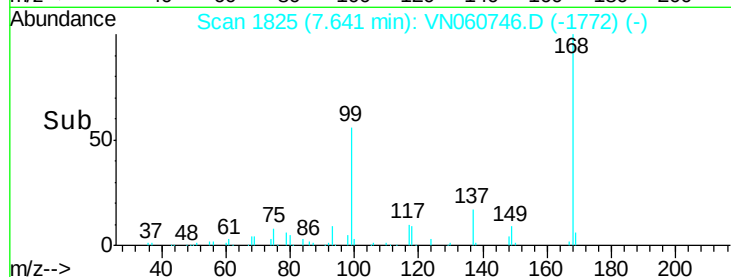
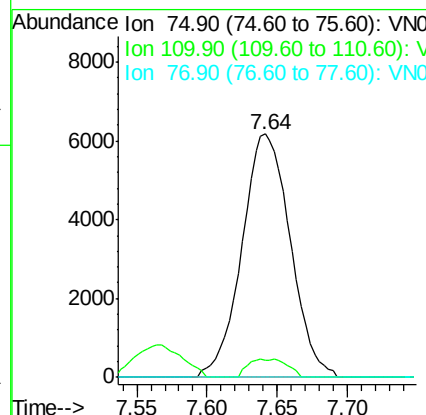
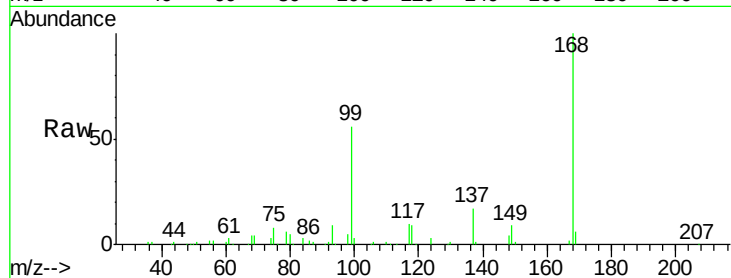




#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

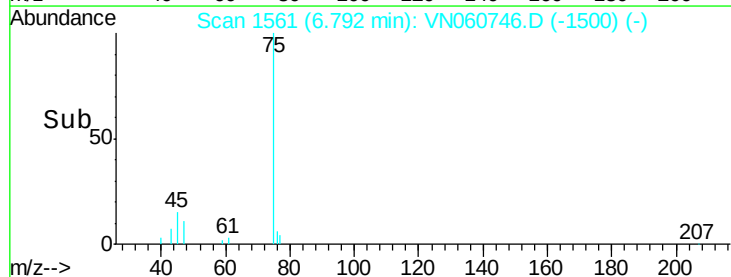
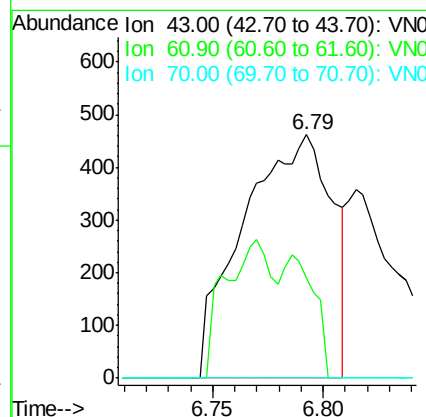
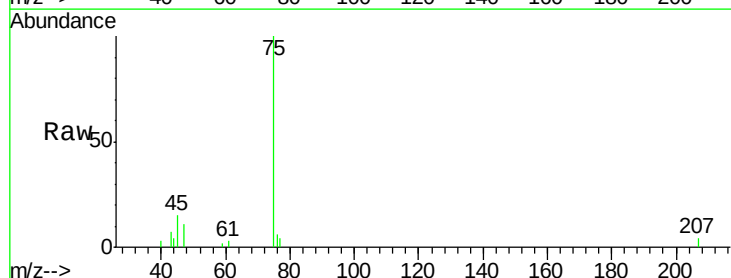
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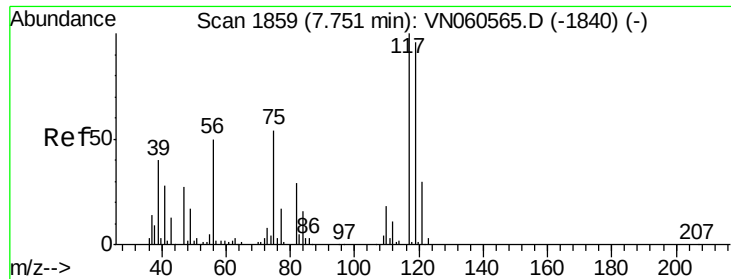
Tgt Ion: 75 Resp: 14807
 Ion Ratio Lower Upper
 75 100
 110 6.1 16.9 50.6#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 0.383 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.10 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

Tgt Ion: 43 Resp: 1289
 Ion Ratio Lower Upper
 43 100
 61 17.5 10.6 15.8#
 70 0.0 7.9 11.9#

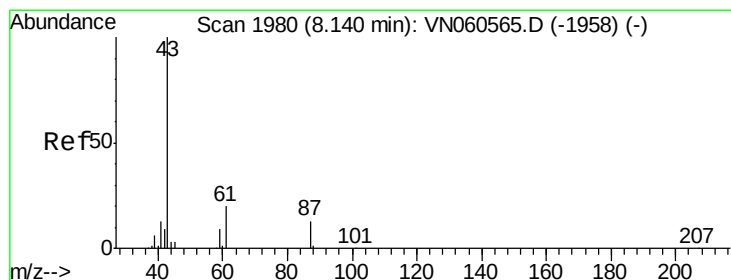
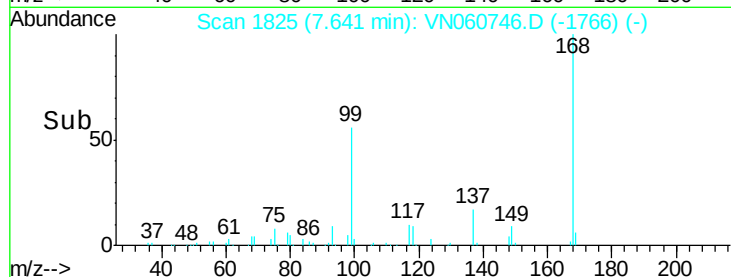
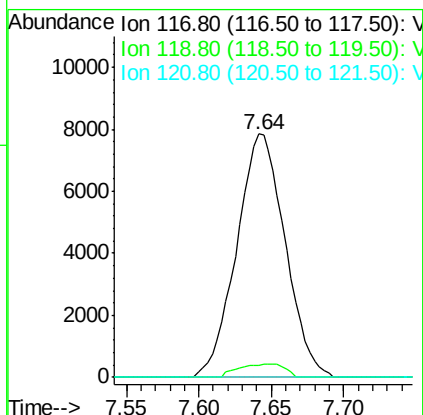
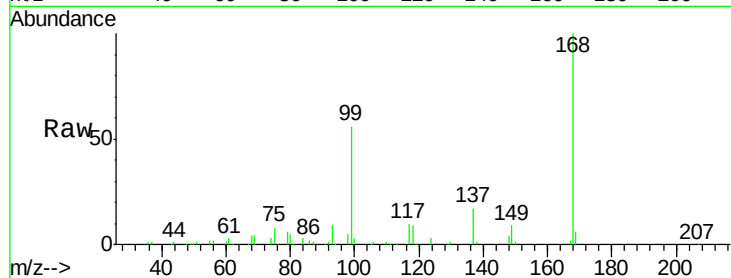




#38
Carbon Tetrachloride
Concen: 6.535 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060746.D
Acq: 27 Mar 2020 16:46

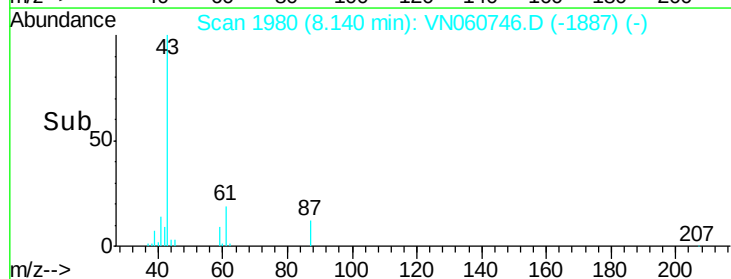
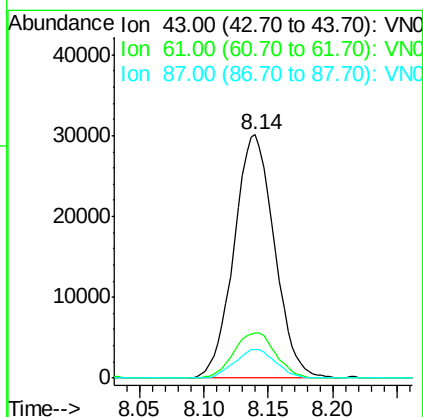
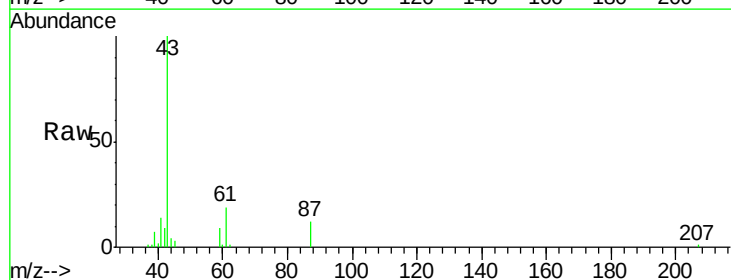
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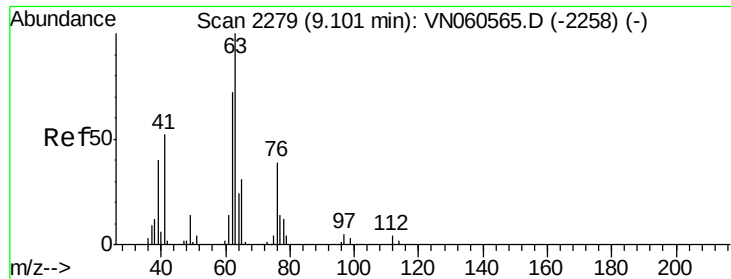
Tgt Ion: 117 Resp: 18240
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 23.7 35.5#



#43
Isopropyl Acetate
Concen: 11.824 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060746.D
Acq: 27 Mar 2020 16:46

Tgt Ion: 43 Resp: 65618
Ion Ratio Lower Upper
43 100
61 19.1 20.7 31.1#
87 11.9 9.8 14.8

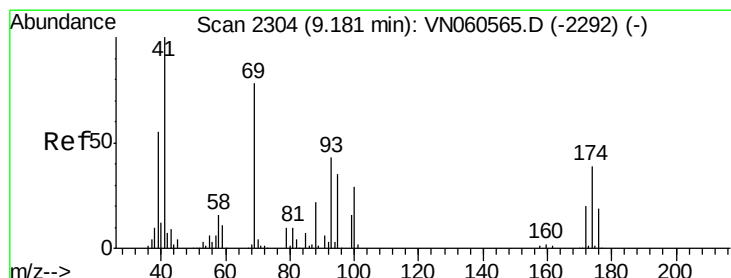
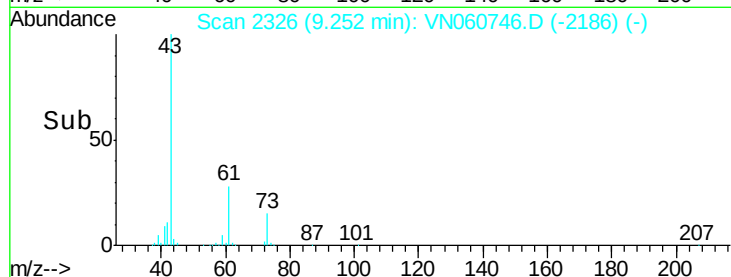
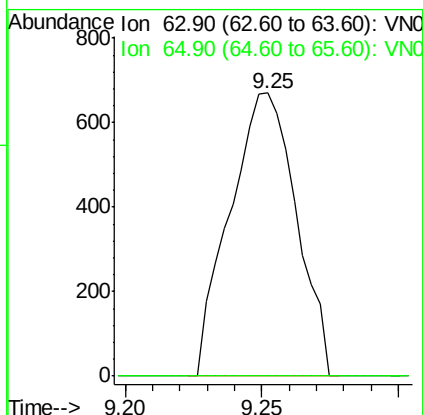
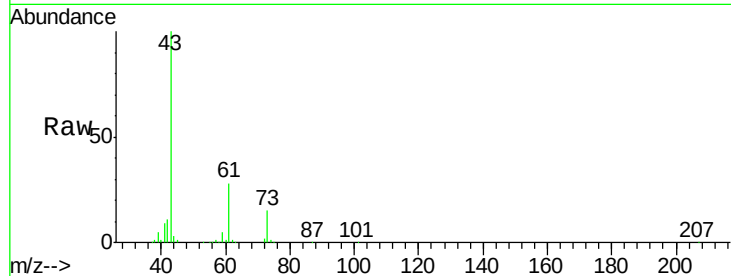




#45
 1,2-Dichloropropane
 Concen: 0.456 ug/l
 RT: 9.25 min Scan# 2326
 Delta R.T. 0.15 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

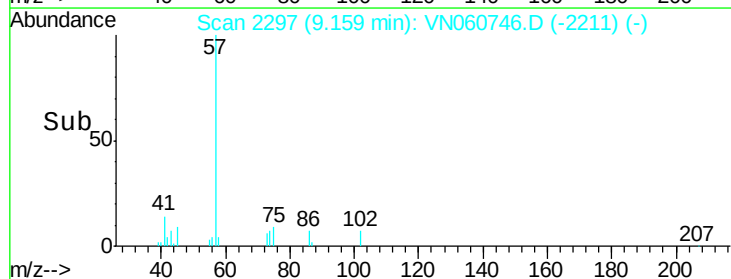
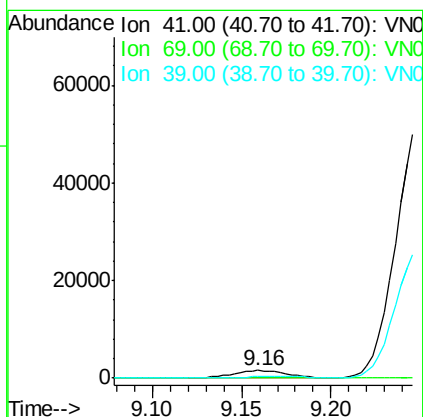
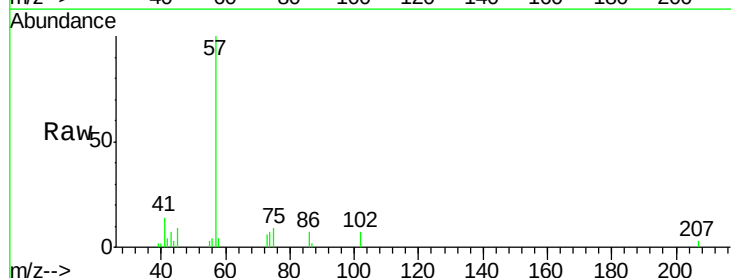
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#11

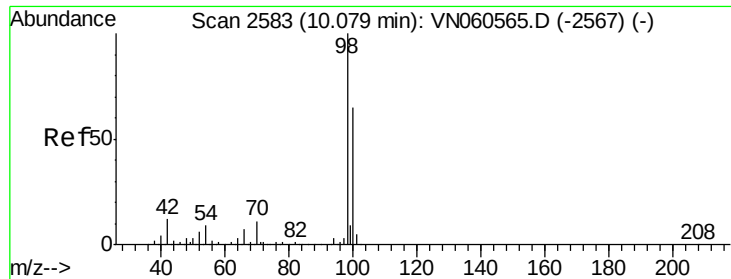
Tgt Ion: 63 Resp: 1131
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.4 38.0#



#48
 Methyl methacrylate
 Concen: 1.362 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

Tgt Ion: 41 Resp: 3366
 Ion Ratio Lower Upper
 41 100
 69 0.0 65.4 98.0#
 39 0.0 44.0 66.0#

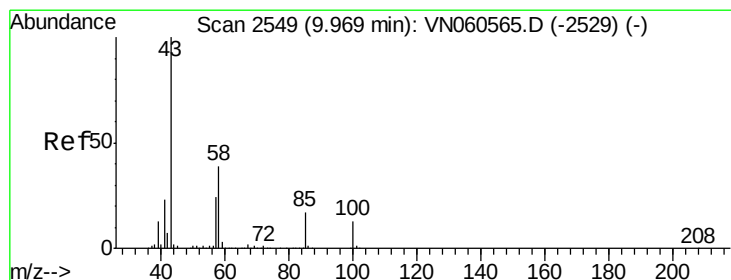
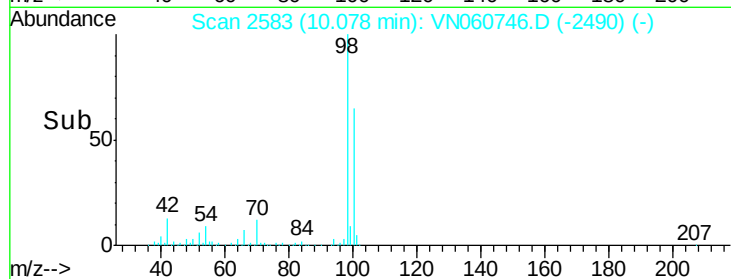
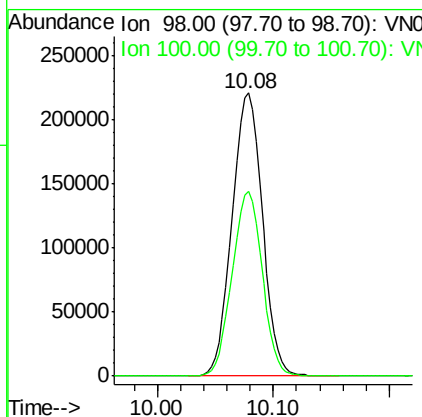
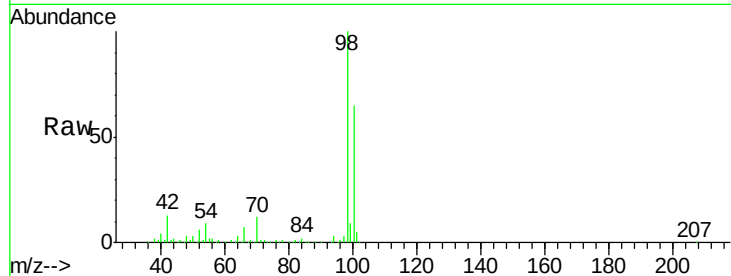




#50
Toluene-d8
Concen: 50.463 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060746.D
Acq: 27 Mar 2020 16:46

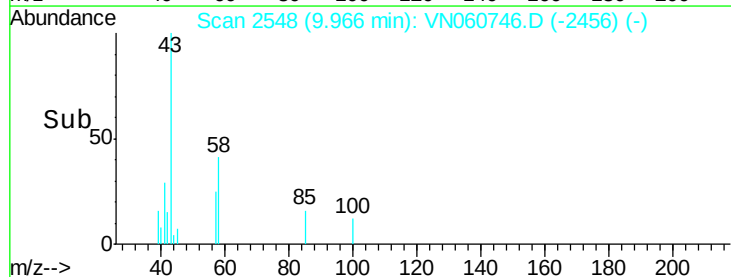
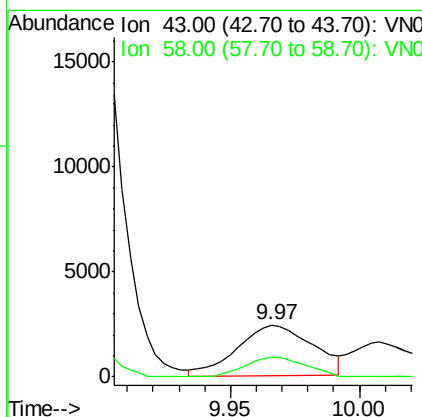
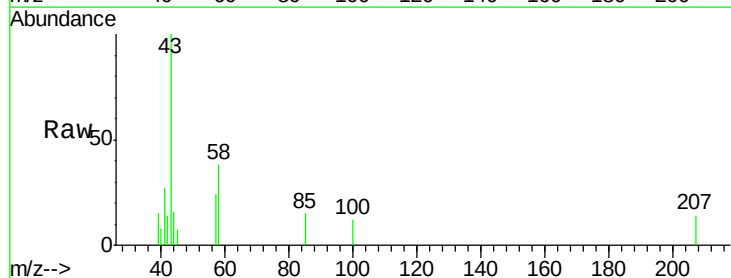
Instrument :
MSVOA_N
ClientSampleId :
PB127814ZHE#11

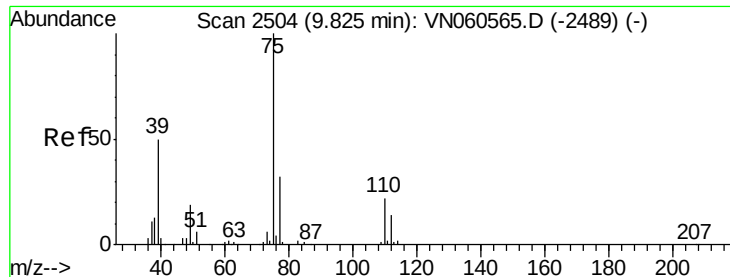
Tgt Ion: 98 Resp: 400849
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.554 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060746.D
Acq: 27 Mar 2020 16:46

Tgt Ion: 43 Resp: 4907
Ion Ratio Lower Upper
43 100
58 32.0 30.8 46.2





#54

cis-1,3-Dichloropropene

Concen: 7.259 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#11

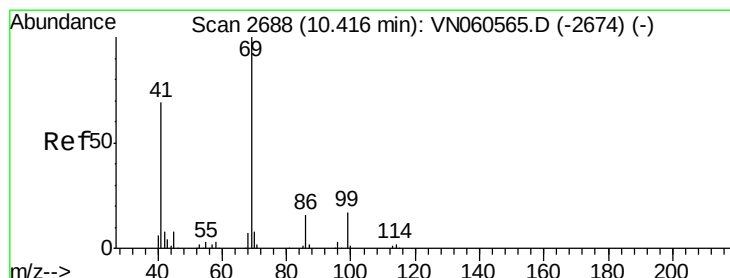
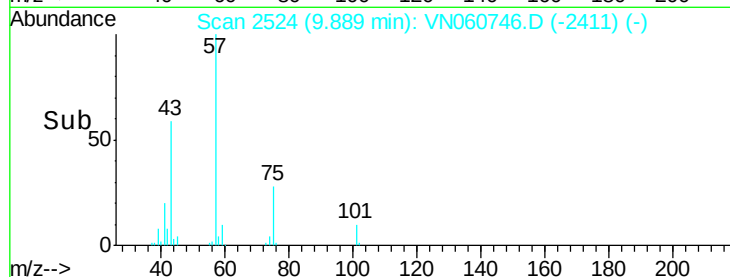
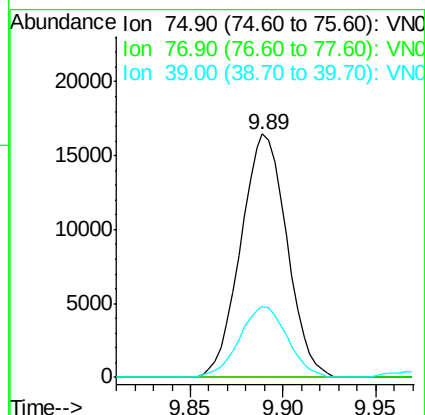
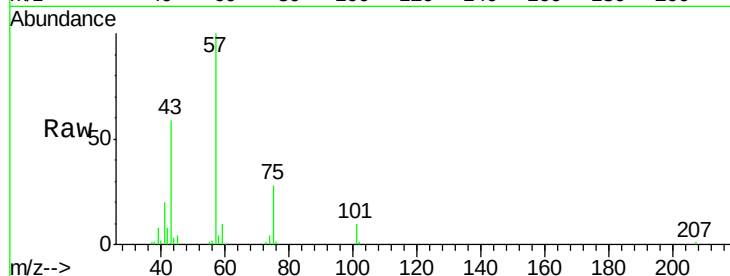
Tgt Ion: 75 Resp: 28509

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 29.0 40.2 60.4#



#56

Ethyl methacrylate

Concen: 0.209 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

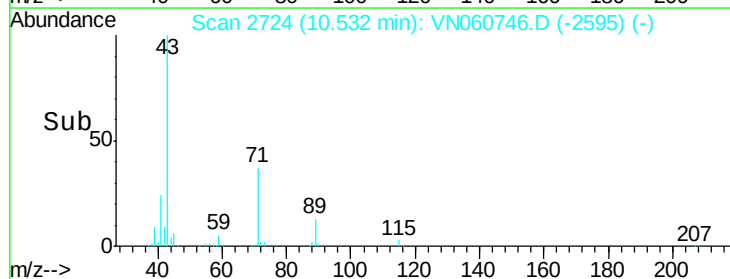
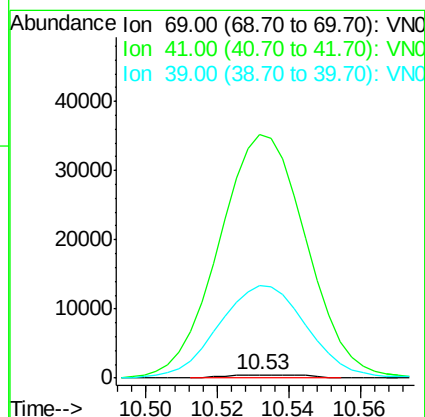
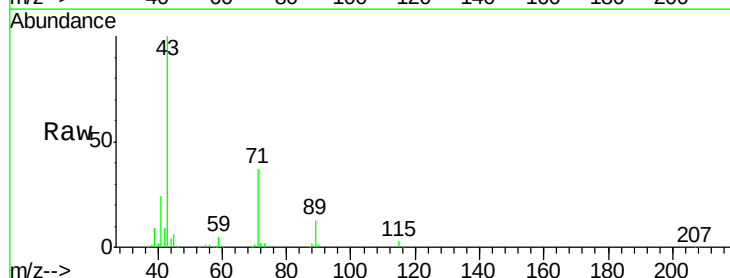
Tgt Ion: 69 Resp: 712

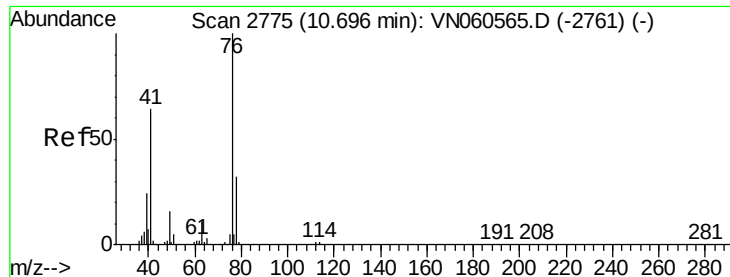
Ion Ratio Lower Upper

69 100

41 8444.0 55.4 83.2#

39 3273.2 29.4 44.0#





#57

1,3-Dichloropropane

Concen: 1.194 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

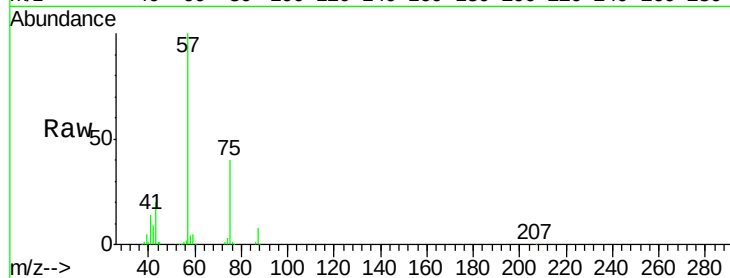
PB127814ZHE#11

Tgt Ion: 76 Resp: 4524

Ion Ratio Lower Upper

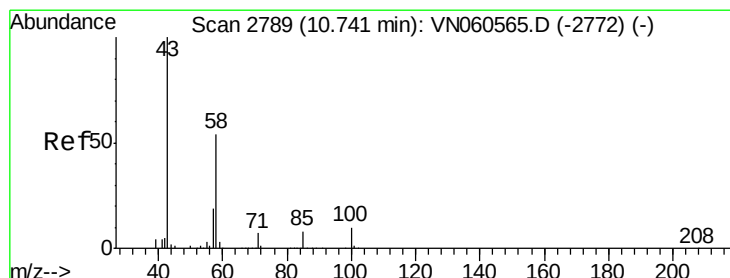
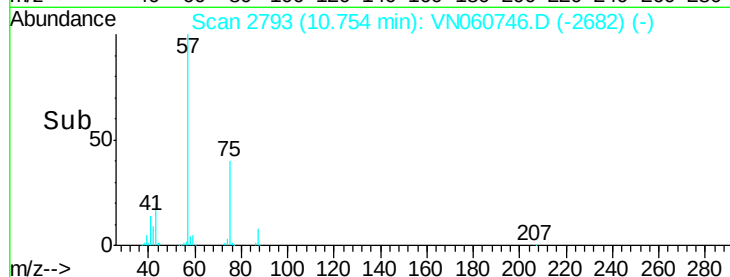
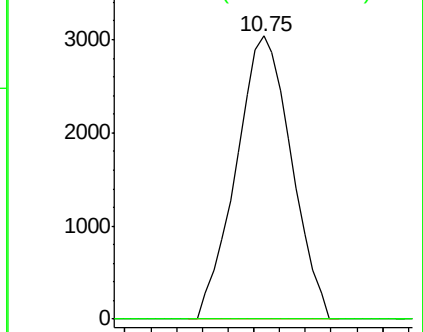
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 29.420 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060746.D

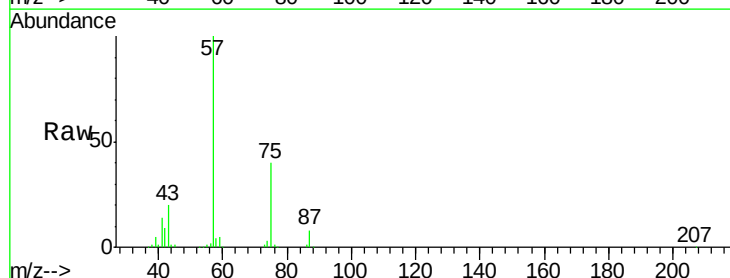
Acq: 27 Mar 2020 16:46

Tgt Ion: 43 Resp: 66926

Ion Ratio Lower Upper

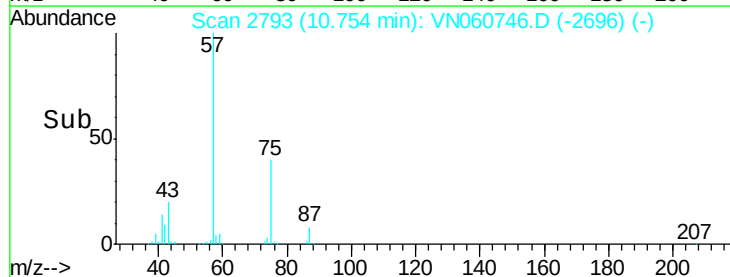
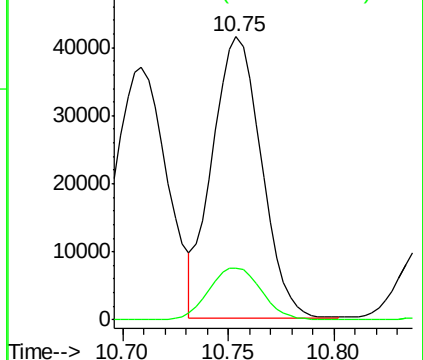
43 100

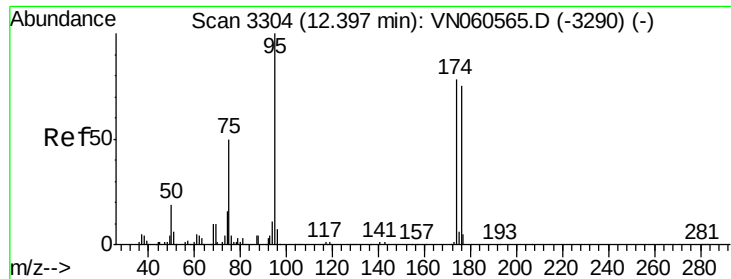
58 19.6 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.807 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#11

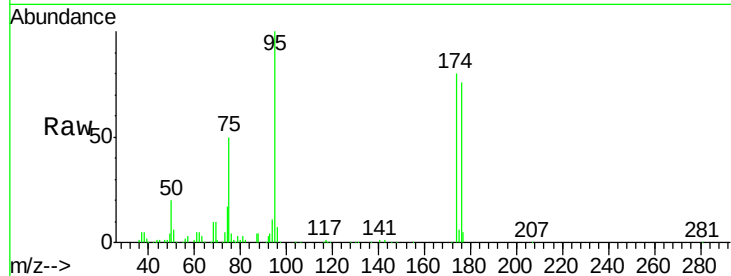
Tgt Ion: 95 Resp: 150818

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

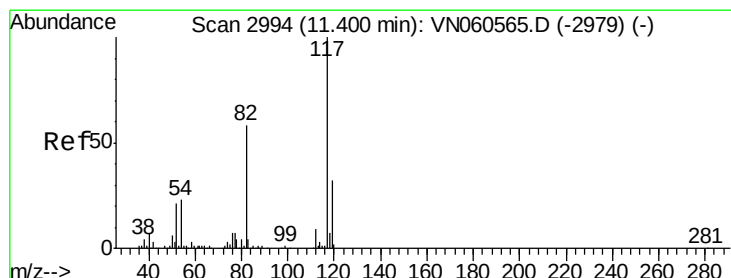
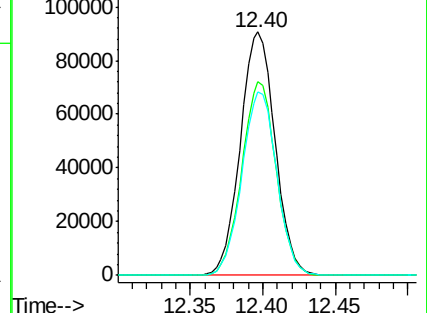
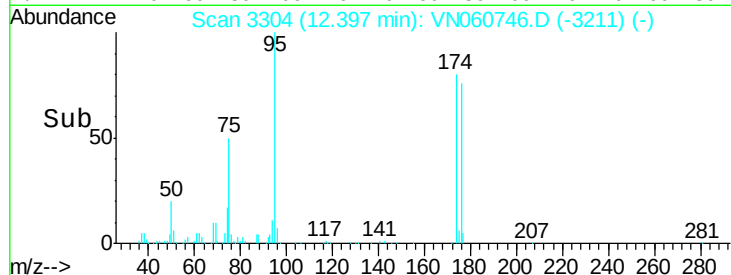
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060746.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060746.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060746.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

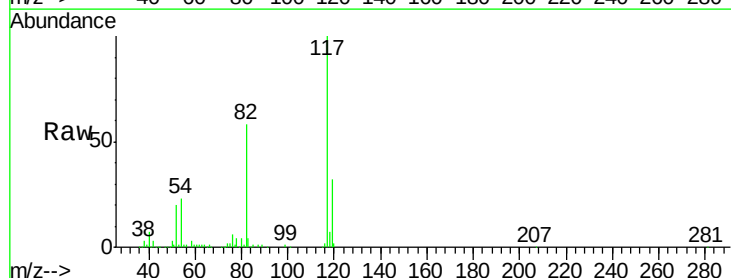
Tgt Ion: 117 Resp: 306018

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

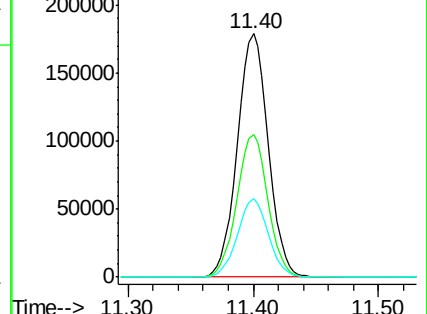
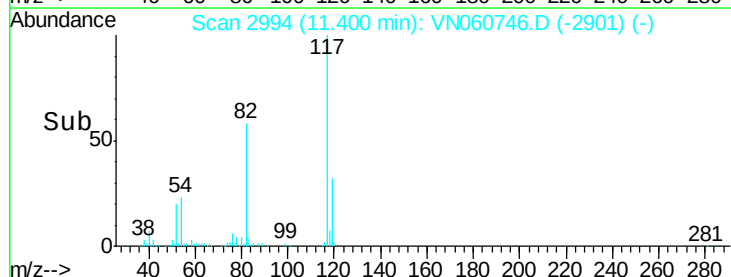
119 32.0 25.5 38.3

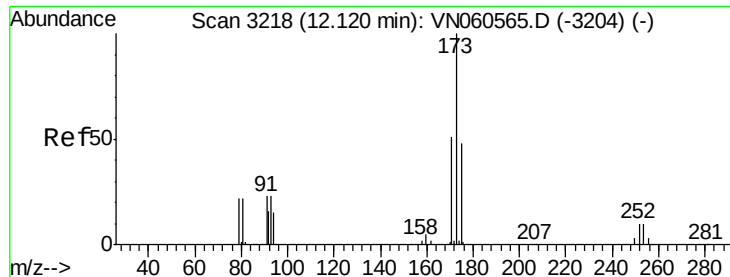


Abundance Ion 116.90 (116.60 to 117.60): VN060746.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060746.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060746.D (-2901) (-)





#71

Bromoform

Concen: 1.856 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#11

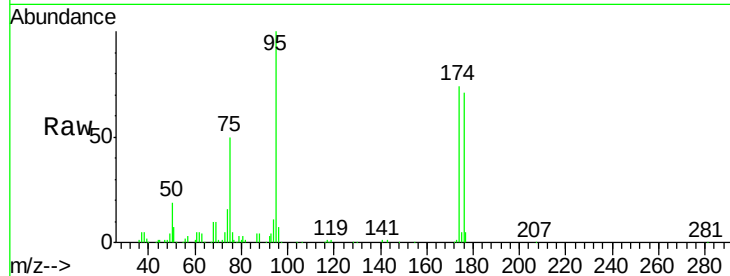
Tgt Ion:173 Resp: 332

Ion Ratio Lower Upper

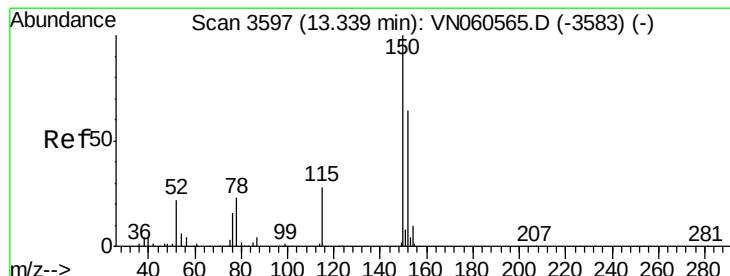
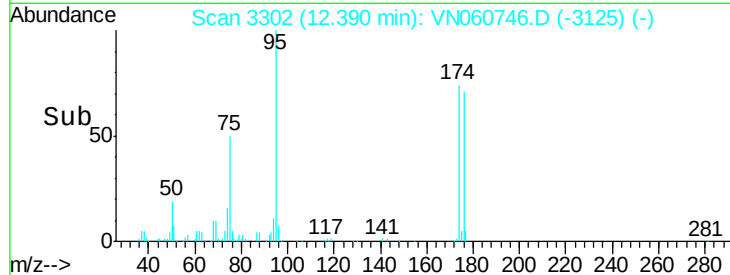
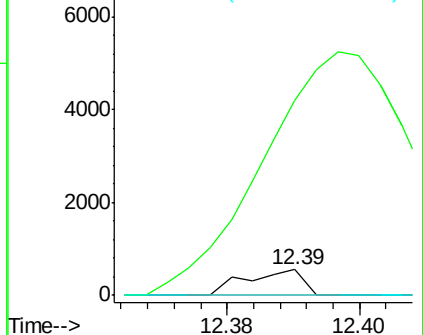
173 100

175 2148.5 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: VN060746.D

Acq: 27 Mar 2020 16:46

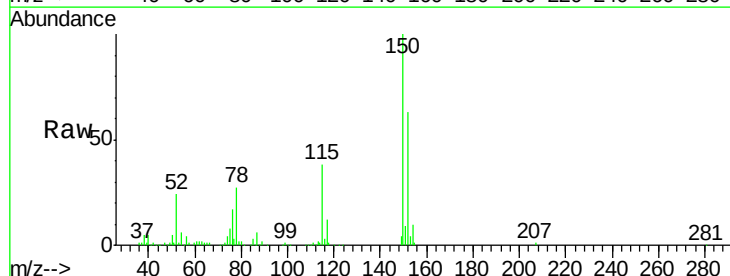
Tgt Ion:152 Resp: 140474

Ion Ratio Lower Upper

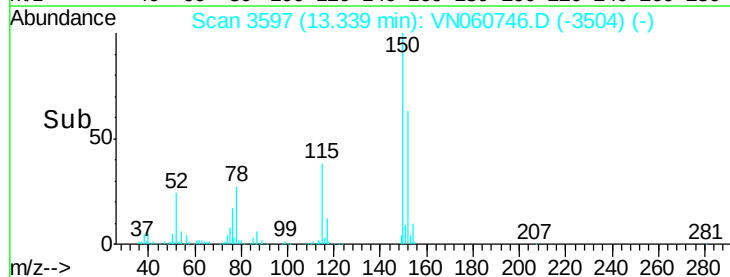
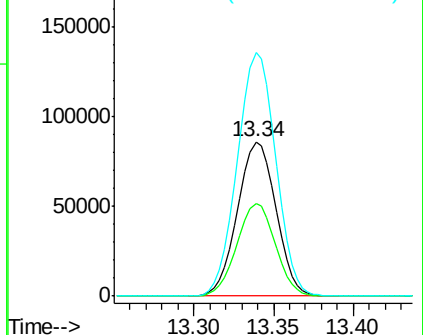
152 100

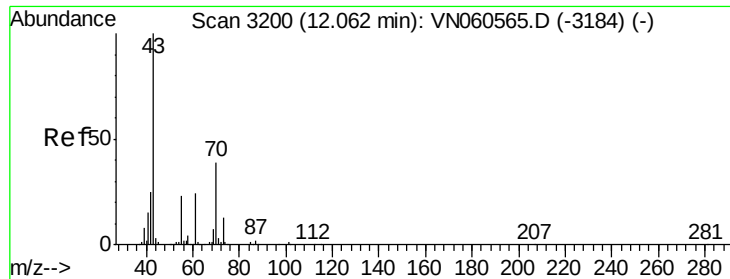
115 60.0 30.2 90.6

150 158.1 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





#74

N-ethyl acetate

Concen: 0.545 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060746.D

Acq: 27 Mar 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

PB127814ZHE#11

Tgt Ion: 43 Resp: 2653

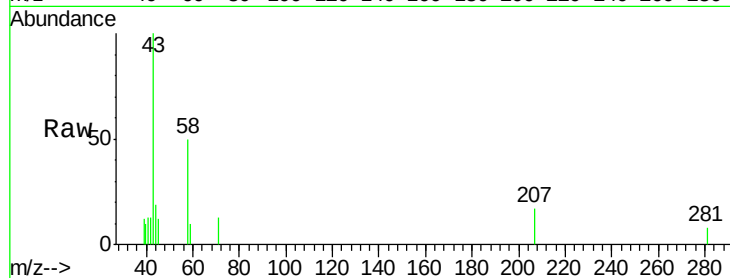
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

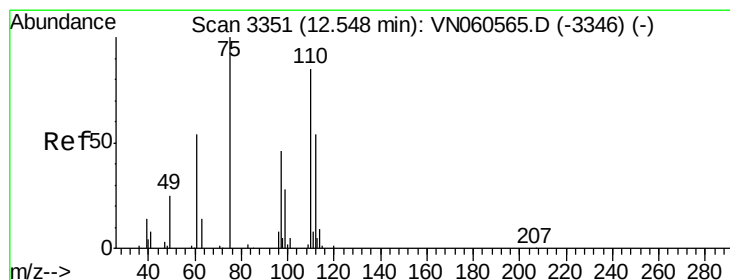
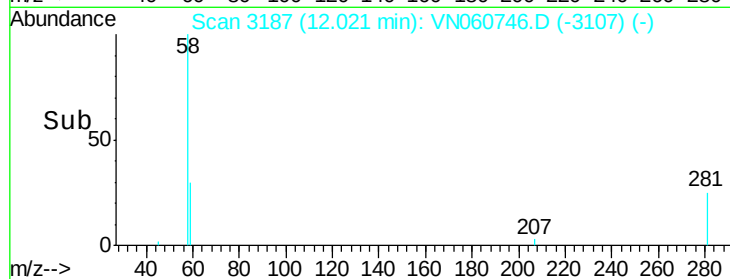
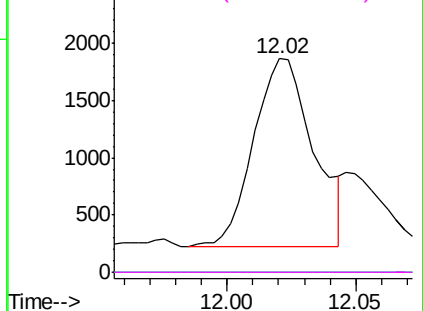


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.939 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060746.D

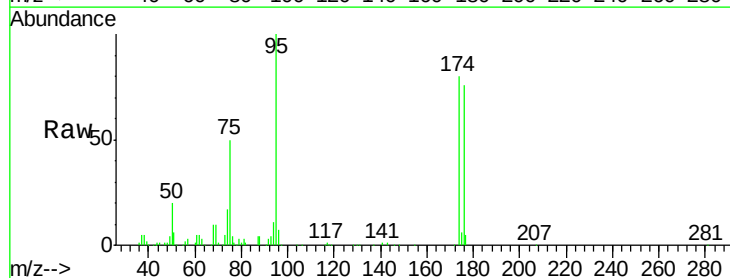
Acq: 27 Mar 2020 16:46

Tgt Ion: 75 Resp: 75595

Ion Ratio Lower Upper

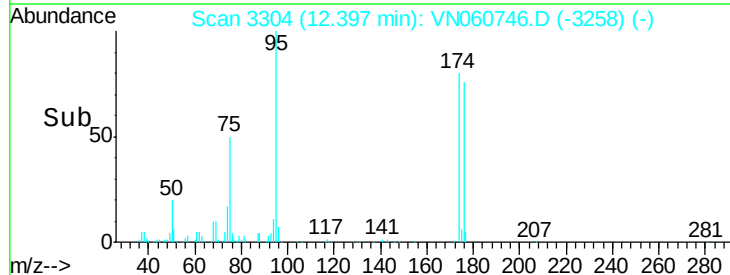
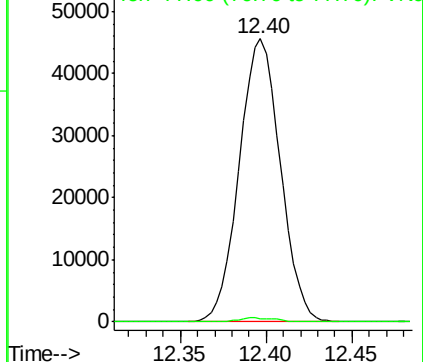
75 100

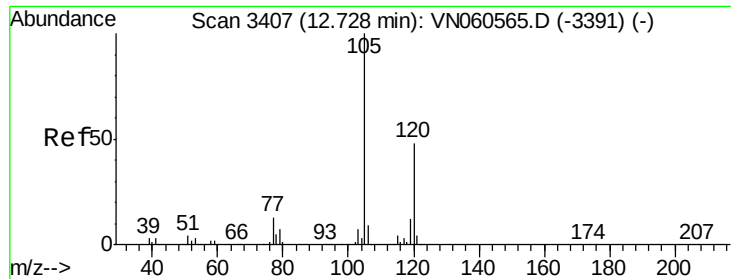
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

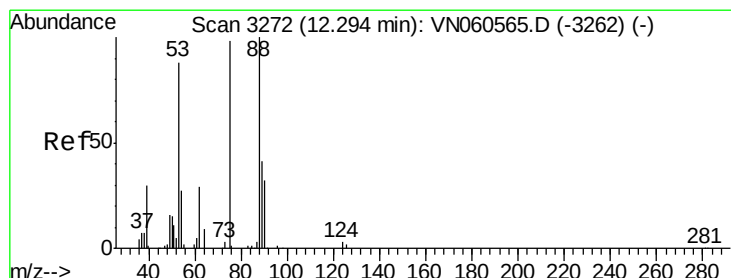
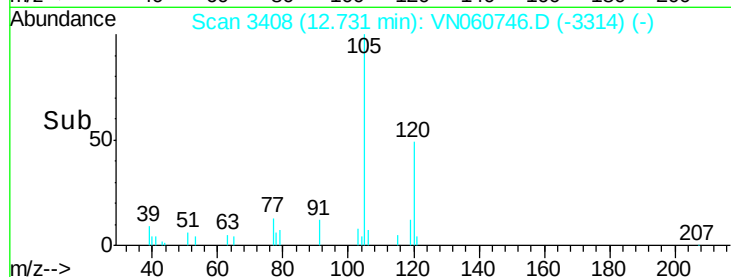
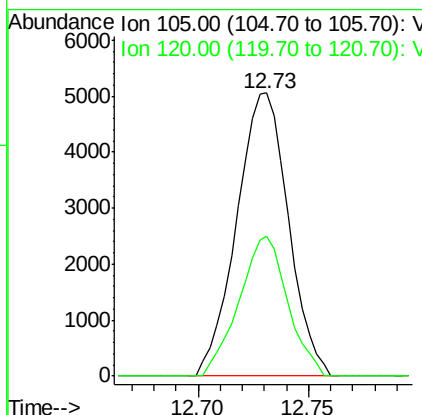
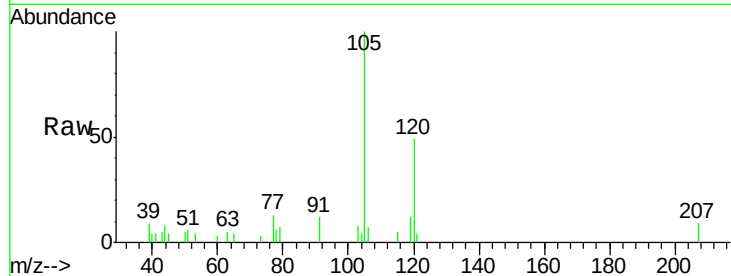




#80
 1,3,5-Trimethylbenzene
 Concen: 0.922 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127814ZHE#11

Tgt Ion: 105 Resp: 8247
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.052 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060746.D
 Acq: 27 Mar 2020 16:46

Tgt Ion: 75 Resp: 75595
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

