

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060722.D
 Acq On : 26 Mar 2020 18:30
 Operator : JC/MD
 Sample : PB127792ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#04

Quant Time: Mar 27 05:35:22 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	201377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144538	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	128367	46.43	ug/l	0.00
Spiked Amount						
			Recovery	=	92.86%	
35) Dibromofluoromethane	7.57	113	98296	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=	97.68%	
50) Toluene-d8	10.08	98	410571	49.94	ug/l	0.00
Spiked Amount						
			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.40	95	153766	51.04	ug/l	0.00
Spiked Amount						
			Recovery	=	102.08%	

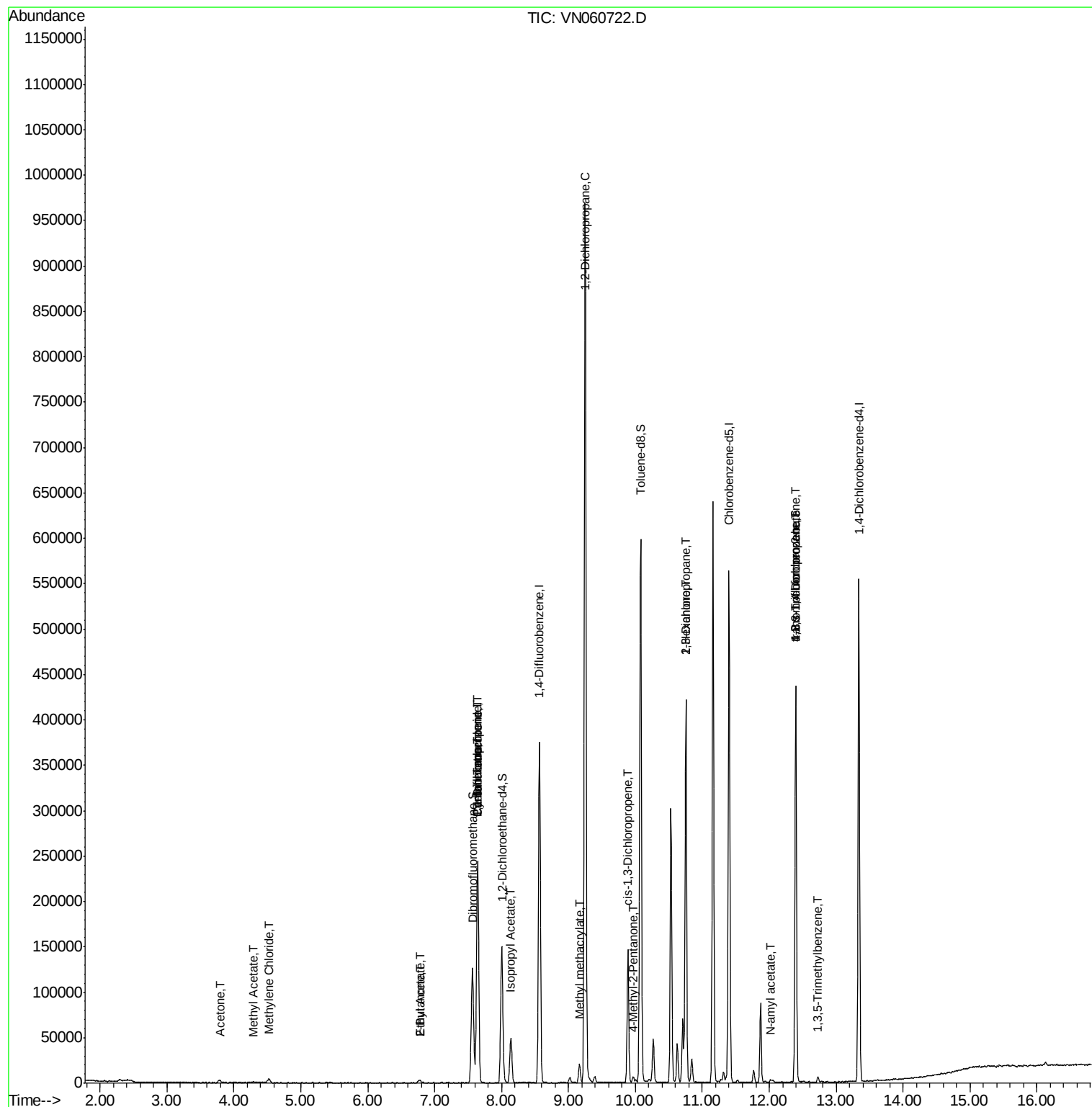
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5603	5.722	ug/l	90
18) Methyl Acetate	4.29	43	2018	0.732	ug/l #	67
20) Methylene Chloride	4.53	84	2016	0.837	ug/l	92
25) 2-Butanone	6.80	43	732	0.462	ug/l #	50
31) Cyclohexane	7.64	56	4138	0.929	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15502	4.810	ug/l #	46
37) Ethyl Acetate	6.80	43	732	0.210	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18860	6.529	ug/l #	16
43) Isopropyl Acetate	8.14	43	60211	10.484	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1096	0.427	ug/l #	43
48) Methyl methacrylate	9.16	41	2912	1.139	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4737	1.449	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	25899	6.372	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4174	1.064	ug/l #	42
59) 2-Hexanone	10.75	43	61494	26.121	ug/l #	51
74) N-amyl acetate	12.02	43	3169	0.632	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	78386	25.133	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3487	0.379	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	78386	64.549	ug/l #	13

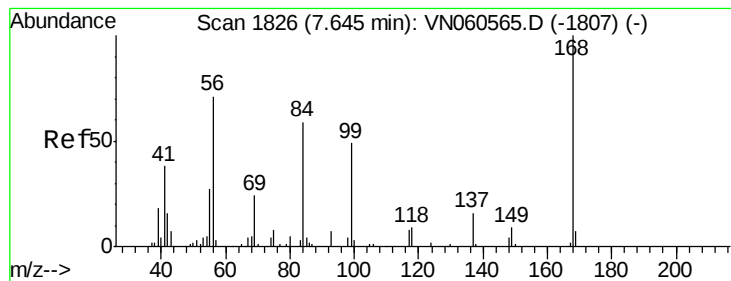
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

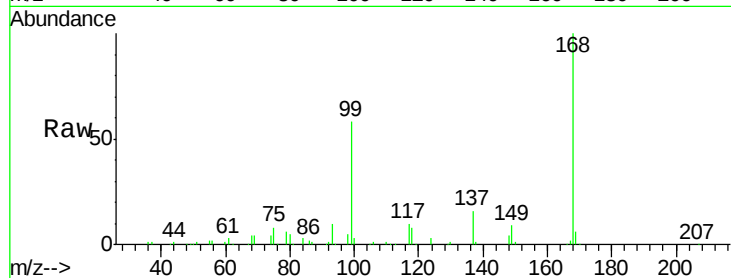
PB127792ZHE#04

Tgt Ion:168 Resp: 201377

Ion Ratio Lower Upper

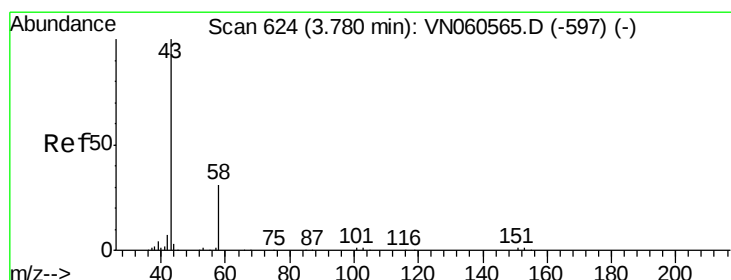
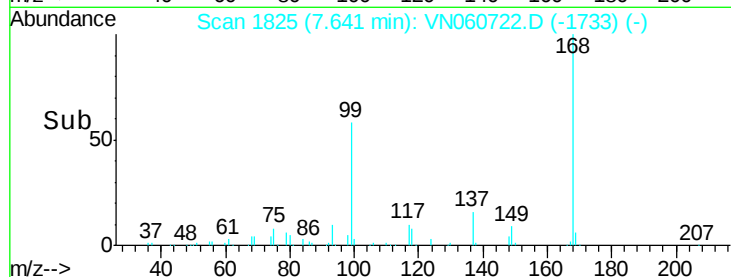
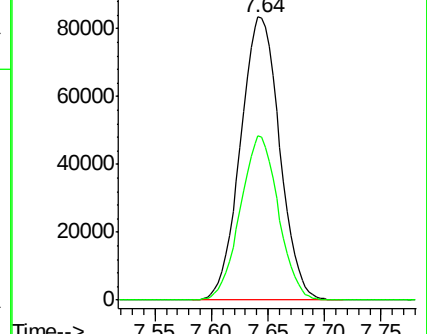
168 100

99 57.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 5.722 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060722.D

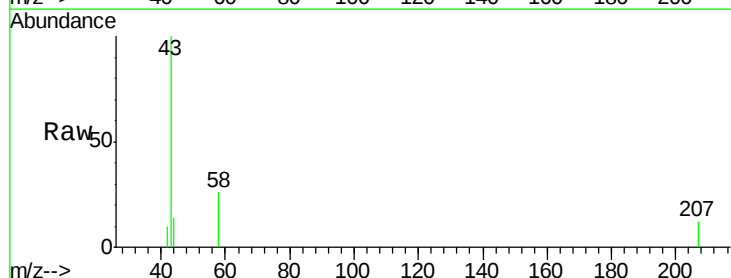
Acq: 26 Mar 2020 18:30

Tgt Ion: 43 Resp: 5603

Ion Ratio Lower Upper

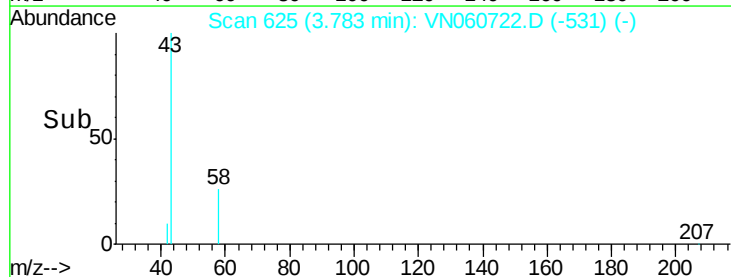
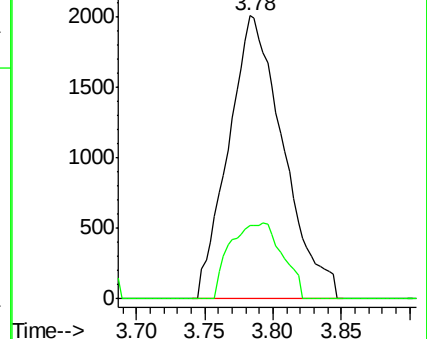
43 100

58 26.1 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

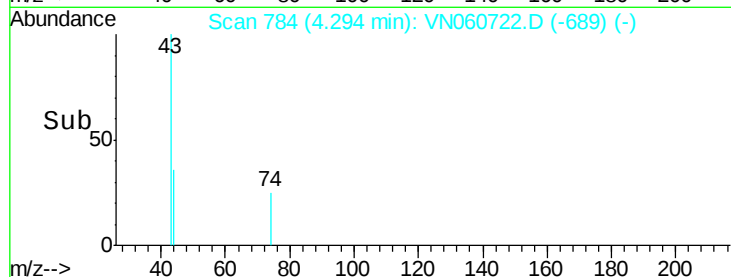
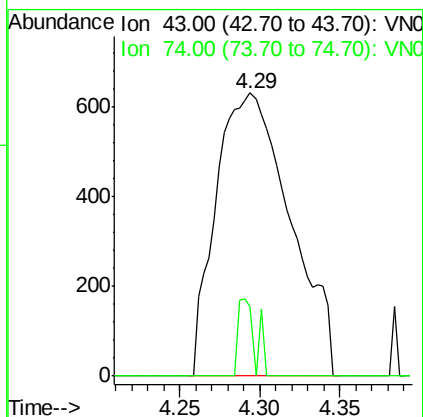
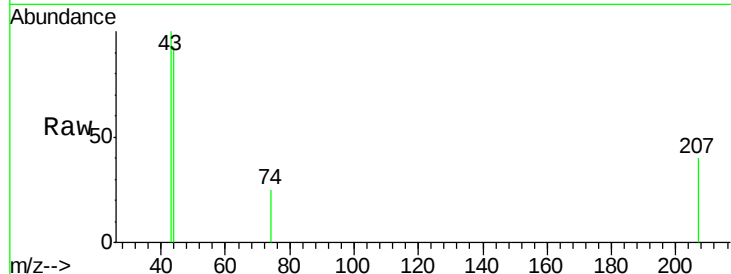




#18
Methyl Acetate
Concen: 0.732 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060722.D
Acq: 26 Mar 2020 18:30

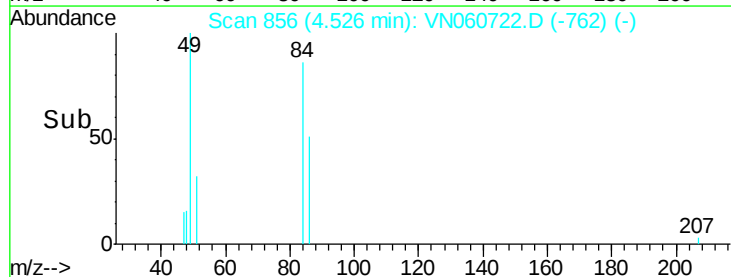
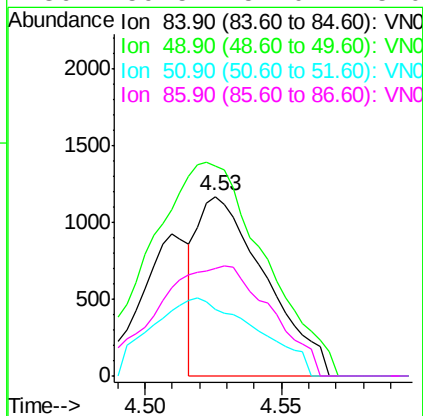
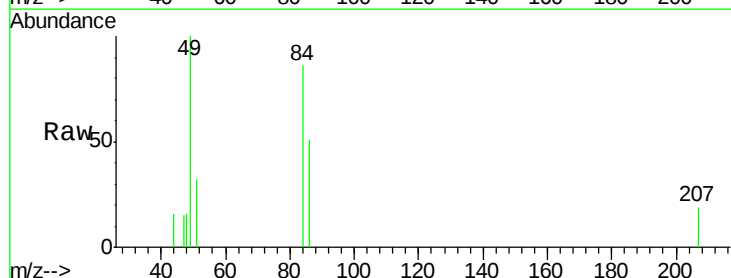
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#04

Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
74 6.2 17.5 26.3#



#20
Methylene Chloride
Concen: 0.837 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060722.D
Acq: 26 Mar 2020 18:30

Tgt Ion: 84 Resp: 2016
Ion Ratio Lower Upper
84 100
49 116.8 103.3 154.9
51 37.3 31.6 47.4
86 59.5 52.0 78.0

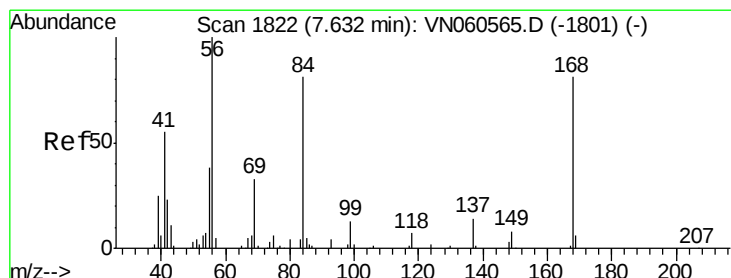
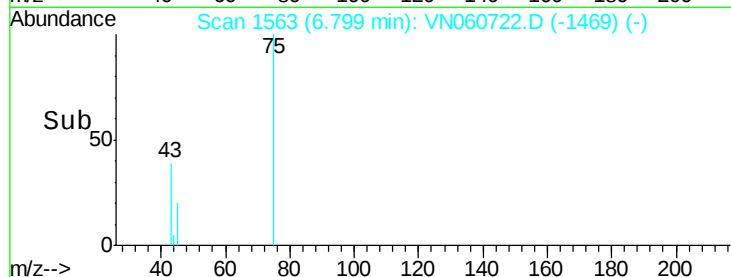
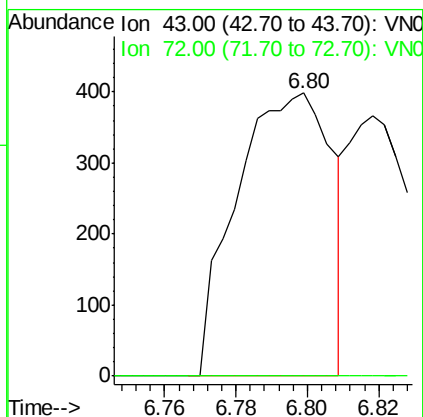
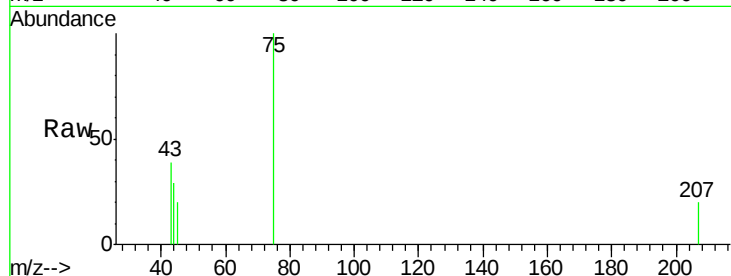




#25
2-Butanone
Concen: 0.462 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060722.D
Acq: 26 Mar 2020 18:30

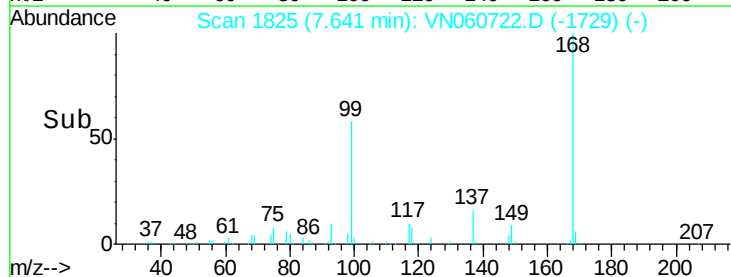
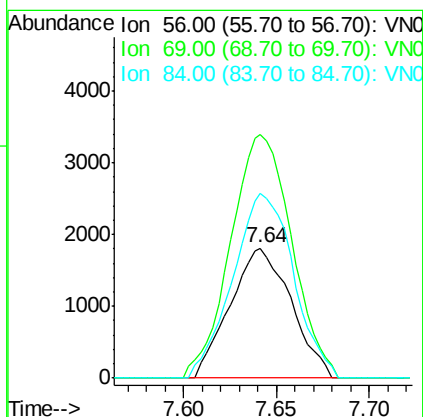
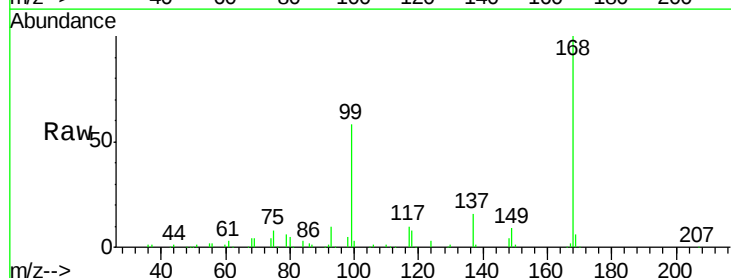
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#04

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.929 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060722.D
Acq: 26 Mar 2020 18:30

Tgt Ion: 56 Resp: 4138
Ion Ratio Lower Upper
56 100
69 187.3 26.6 40.0#
84 142.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 46.435 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

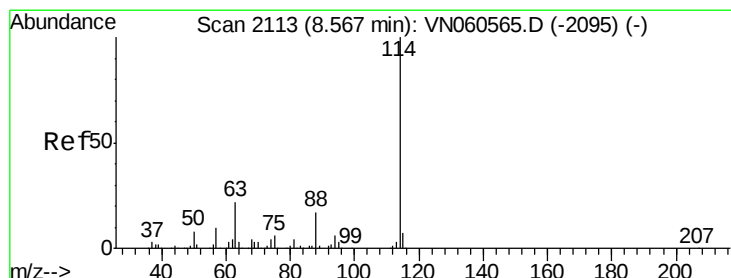
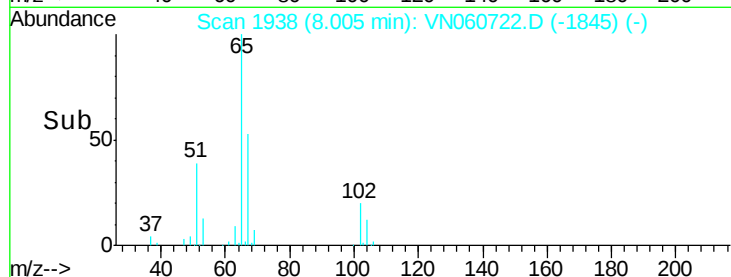
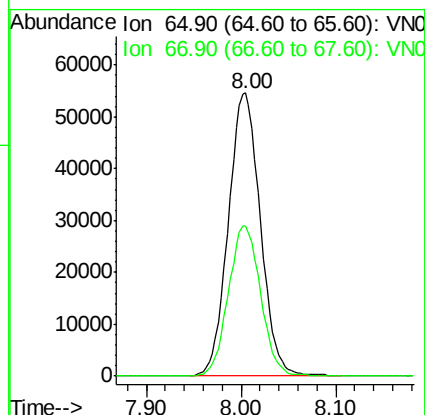
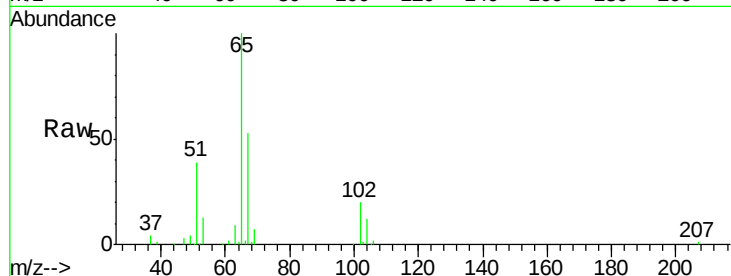
PB127792ZHE#04

Tgt Ion: 65 Resp: 128367

Ion Ratio Lower Upper

65 100

67 53.5 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: VN060722.D

Acq: 26 Mar 2020 18:30

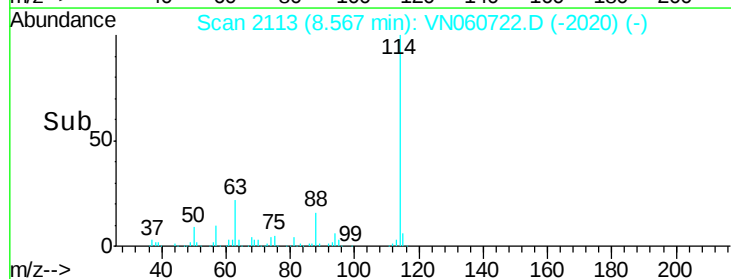
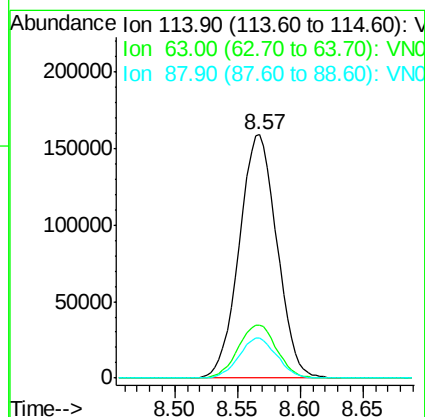
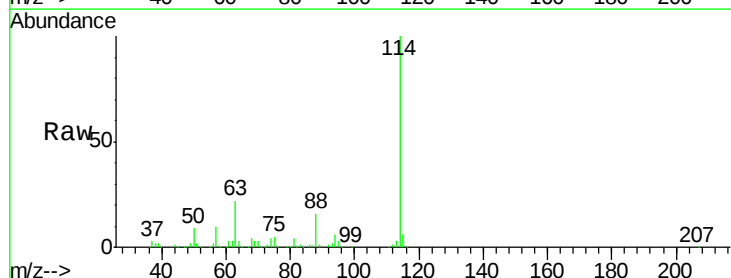
Tgt Ion: 114 Resp: 332841

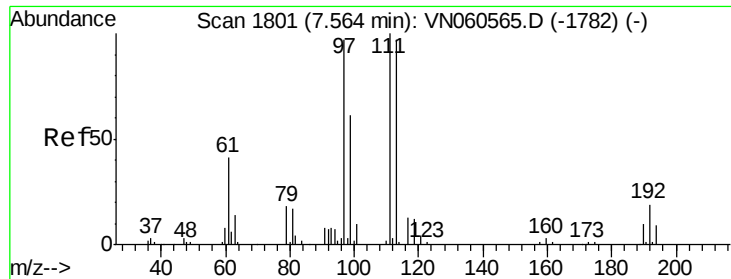
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.841 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#04

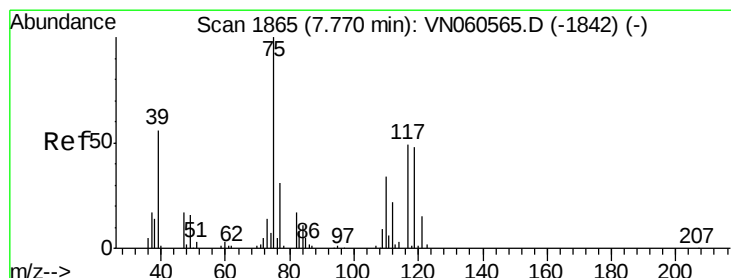
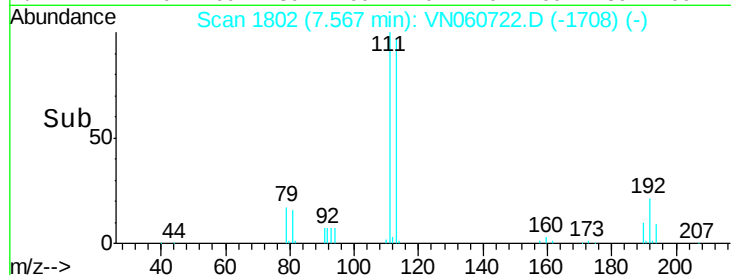
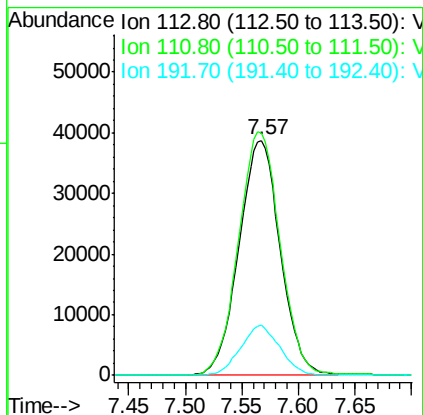
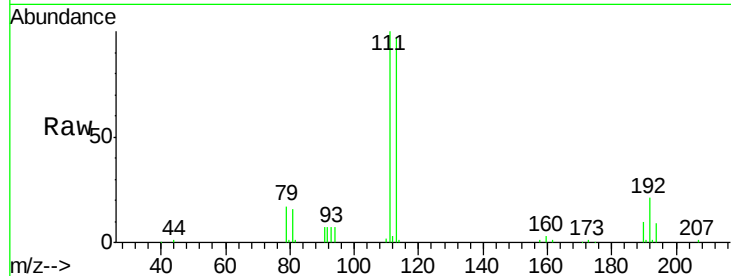
Tgt Ion:113 Resp: 98296

Ion Ratio Lower Upper

113 100

111 104.4 82.9 124.3

192 20.3 15.8 23.8



#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

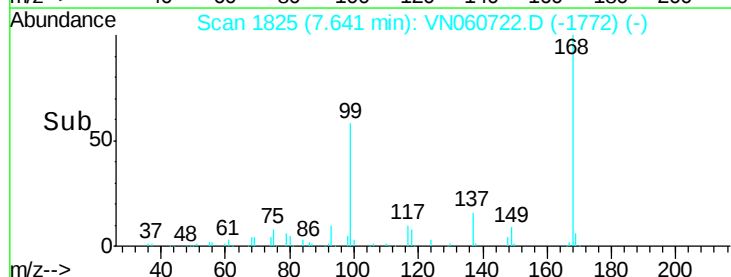
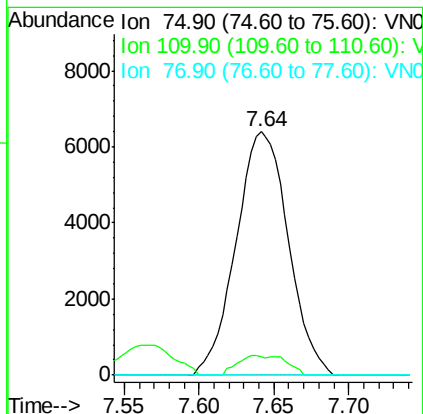
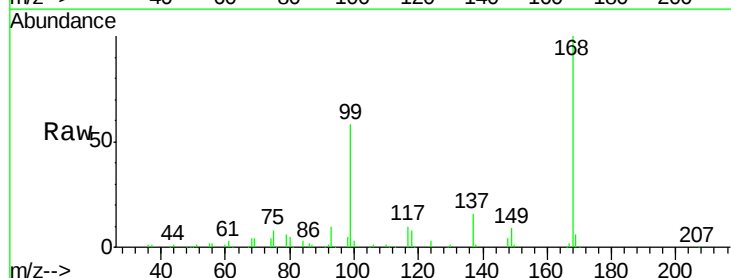
Tgt Ion: 75 Resp: 15502

Ion Ratio Lower Upper

75 100

110 4.4 16.9 50.6#

77 0.0 24.6 36.8#

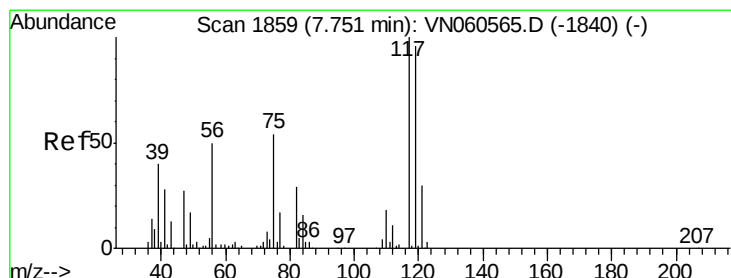
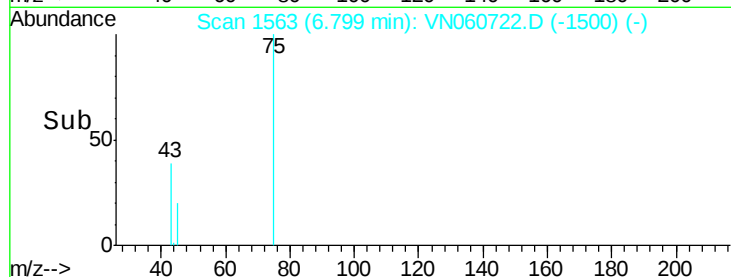
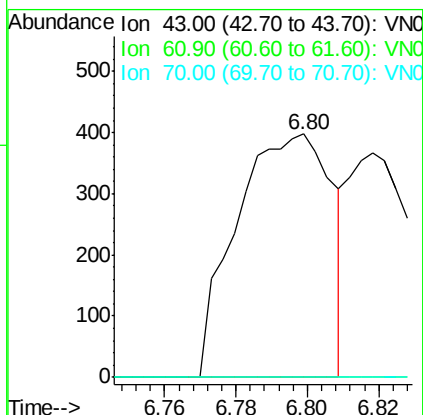
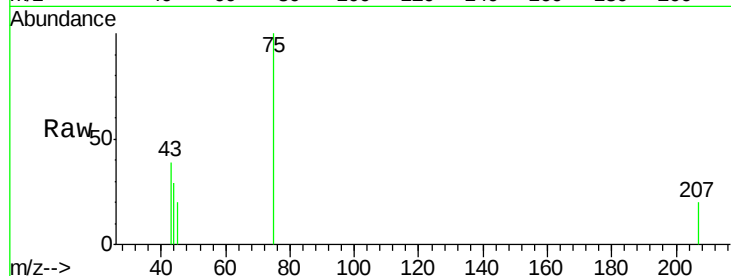




#37
 Ethyl Acetate
 Concen: 0.210 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VN060722.D
 Acq: 26 Mar 2020 18:30

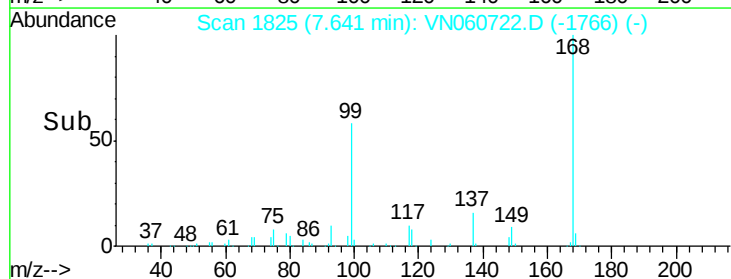
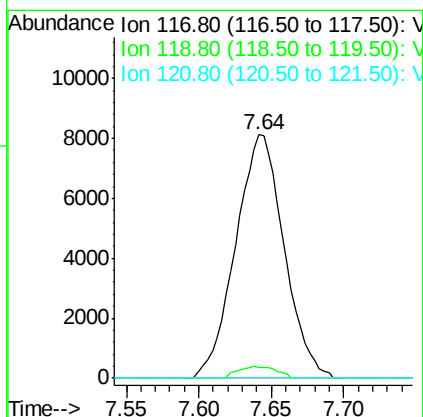
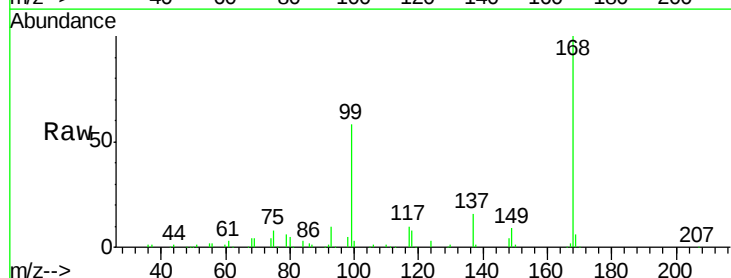
Instrument :
 MSVOA_N
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 PB127792ZHE#04

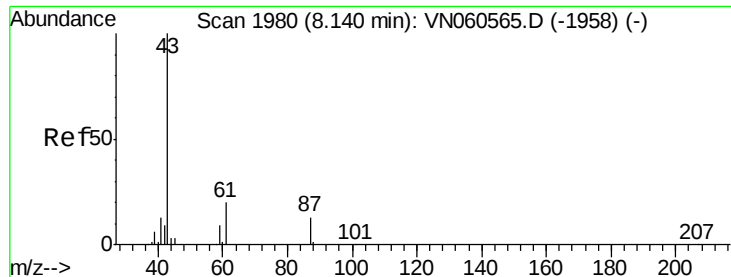
Tgt Ion: 43 Resp: 732
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.9 11.9#



#38
 Carbon Tetrachloride
 Concen: 6.529 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060722.D
 Acq: 26 Mar 2020 18:30

Tgt Ion: 117 Resp: 18860
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 10.484 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#04

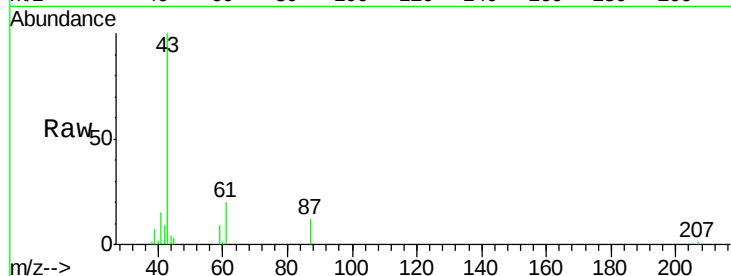
Tgt Ion: 43 Resp: 60211

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

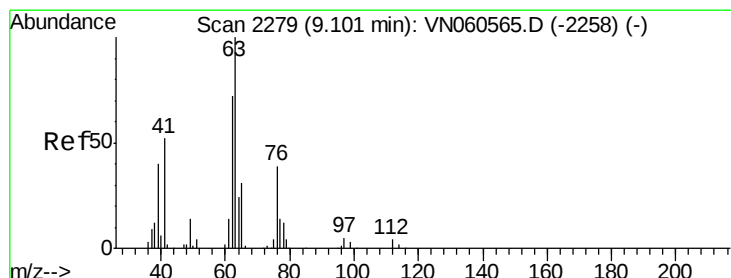
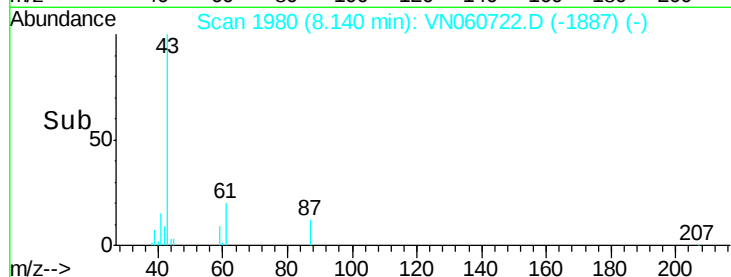
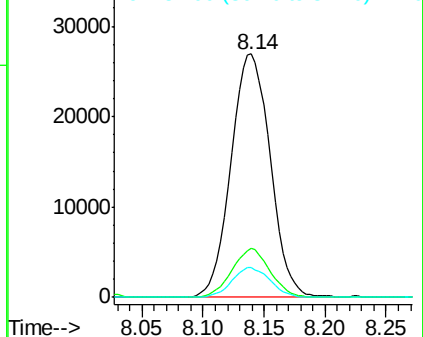
87 11.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060722.D (-2186) (-)

Ion 61.00 (60.70 to 61.70): VN060722.D (-2186) (-)

Ion 87.00 (86.70 to 87.70): VN060722.D (-2186) (-)



#45

1,2-Dichloropropane

Concen: 0.427 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060722.D

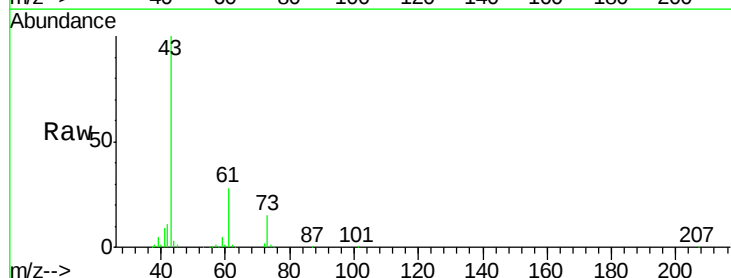
Acq: 26 Mar 2020 18:30

Tgt Ion: 63 Resp: 1096

Ion Ratio Lower Upper

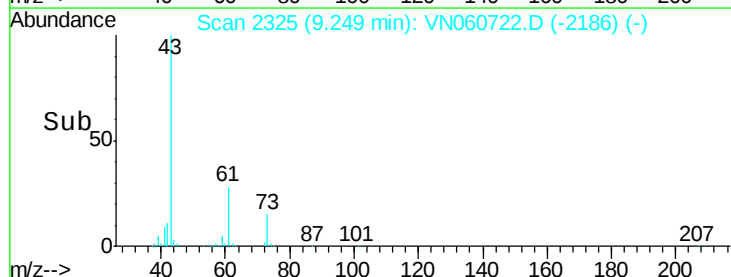
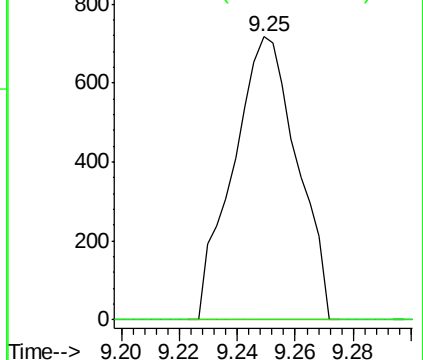
63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060722.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060722.D (-2186) (-)

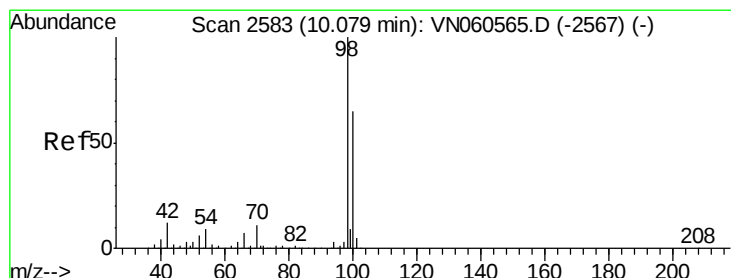
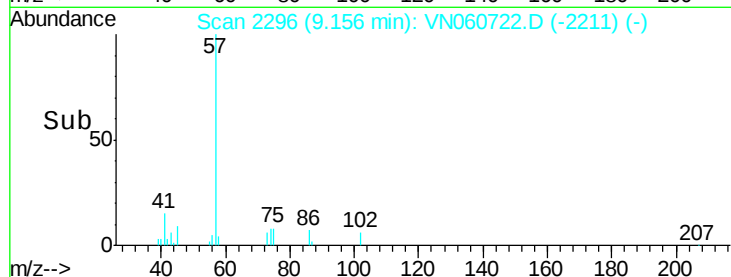
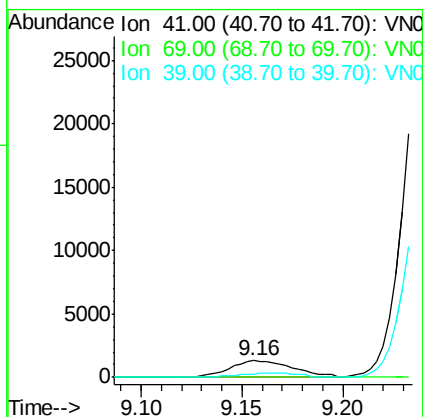
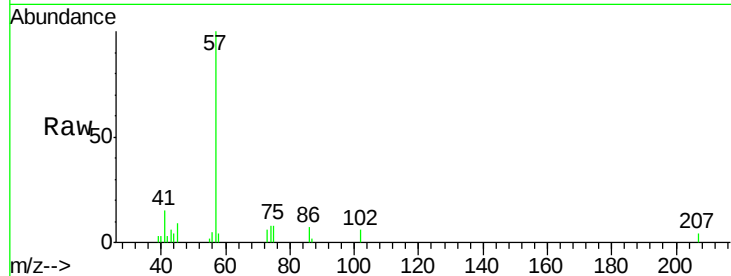




#48
Methyl methacrylate
Concen: 1.139 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060722.D
Acq: 26 Mar 2020 18:30

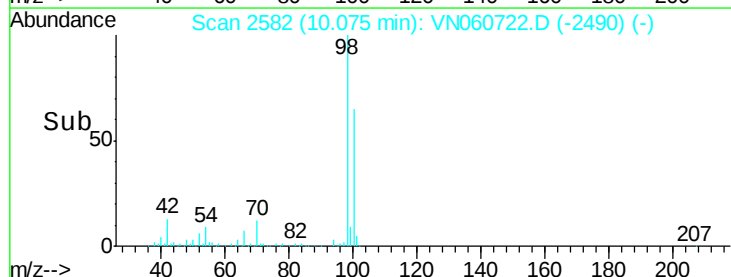
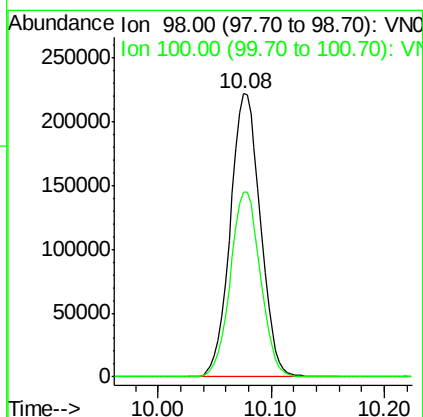
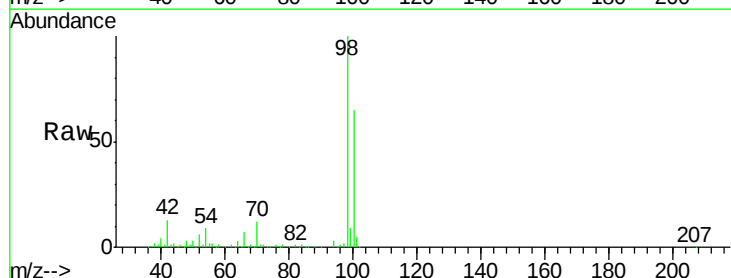
Instrument :
MSVOA_N
ClientSampleId :
PB127792ZHE#04

Tgt Ion: 41 Resp: 2912
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.944 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060722.D
Acq: 26 Mar 2020 18:30

Tgt Ion: 98 Resp: 410571
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8

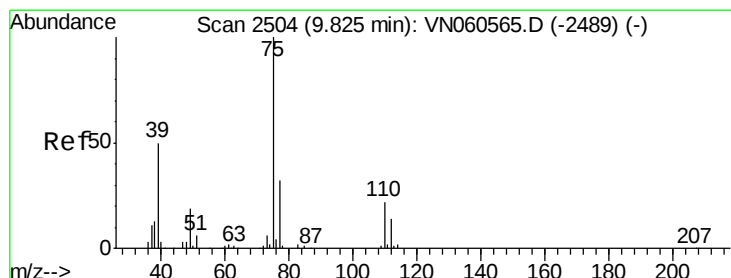
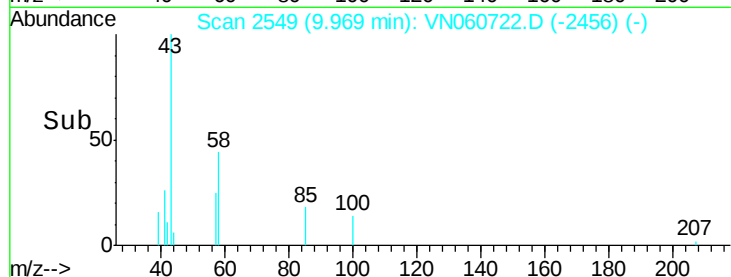
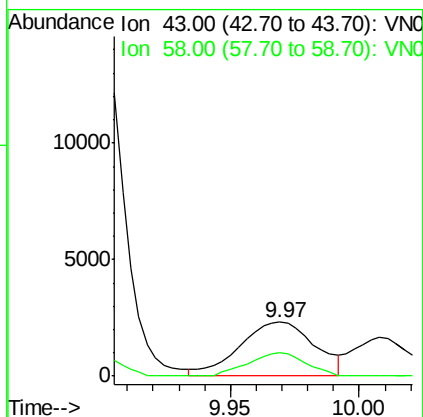
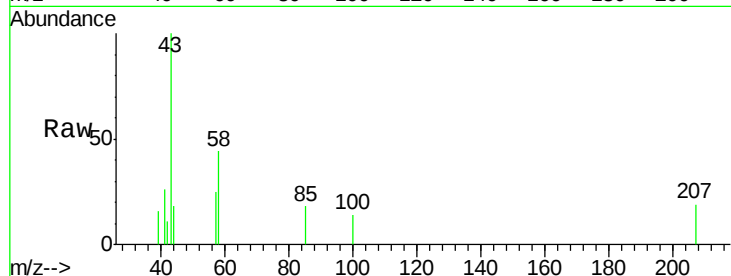




#51
 4-Methyl-2-Pentanone
 Concen: 1.449 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060722.D
 Acq: 26 Mar 2020 18:30

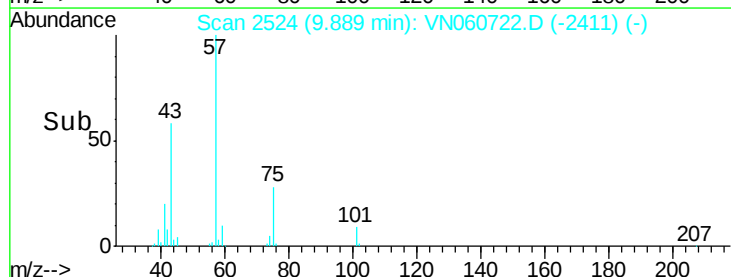
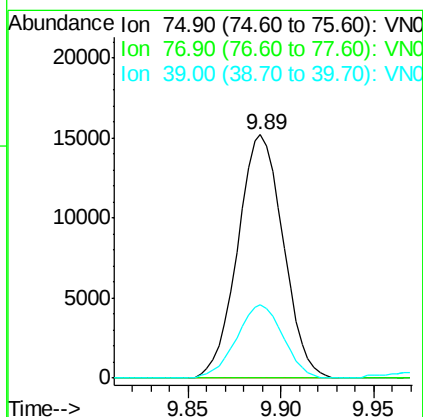
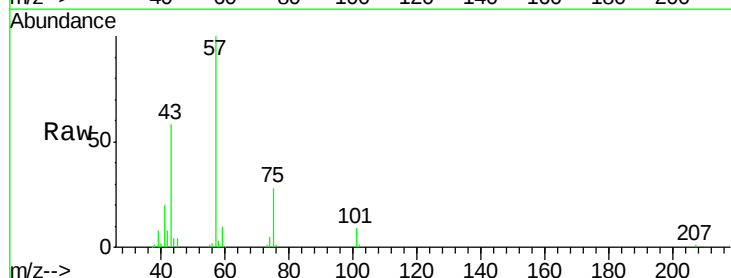
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#04

Tgt Ion: 43 Resp: 4737
 Ion Ratio Lower Upper
 43 100
 58 33.2 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.372 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060722.D
 Acq: 26 Mar 2020 18:30

Tgt Ion: 75 Resp: 25899
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.2 40.2 60.4#

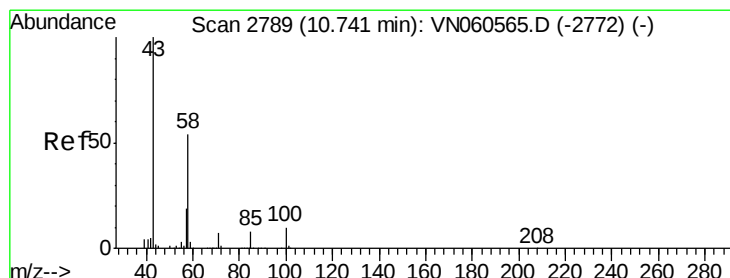
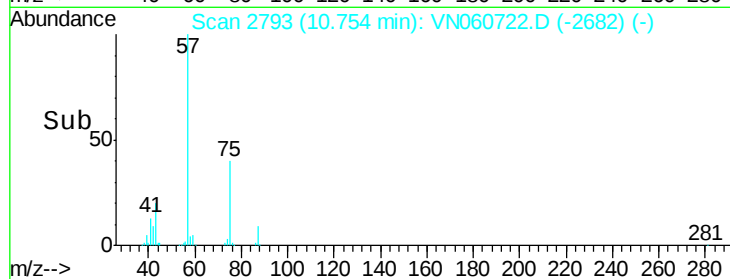
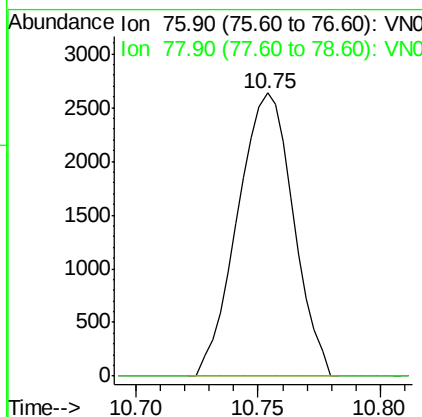
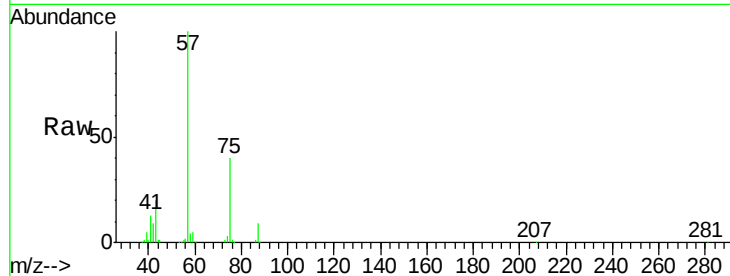




#57
 1,3-Dichloropropane
 Concen: 1.064 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060722.D
 Acq: 26 Mar 2020 18:30

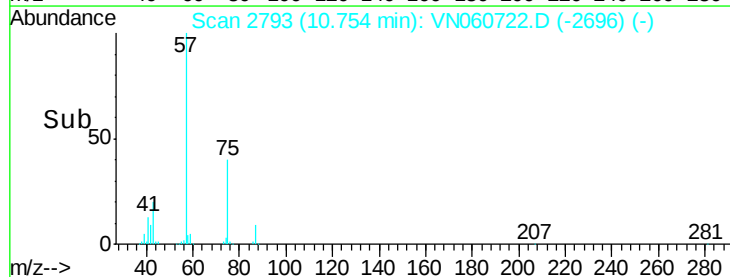
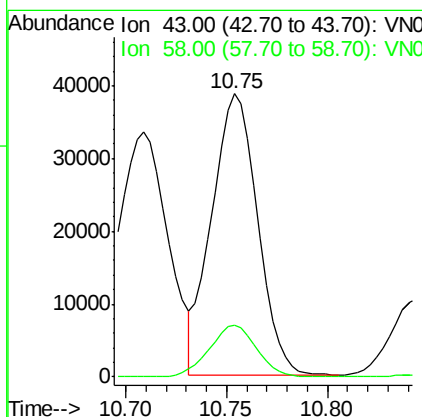
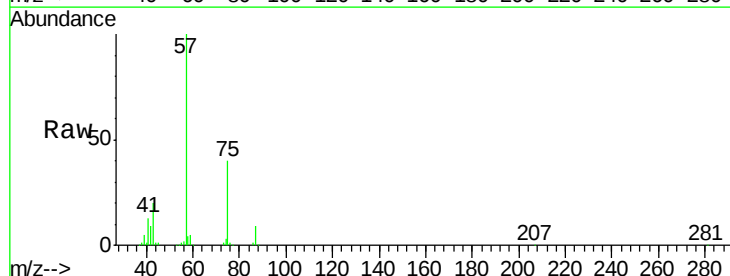
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127792ZHE#04

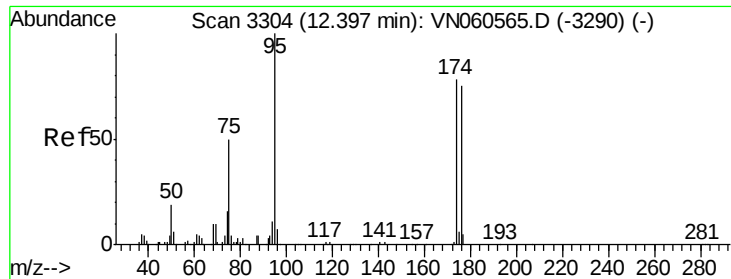
Tgt Ion: 76 Resp: 4174
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 26.121 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060722.D
 Acq: 26 Mar 2020 18:30

Tgt Ion: 43 Resp: 61494
 Ion Ratio Lower Upper
 43 100
 58 18.7 26.7 80.1#





#62

4-Bromofluorobenzene

Concen: 51.039 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#04

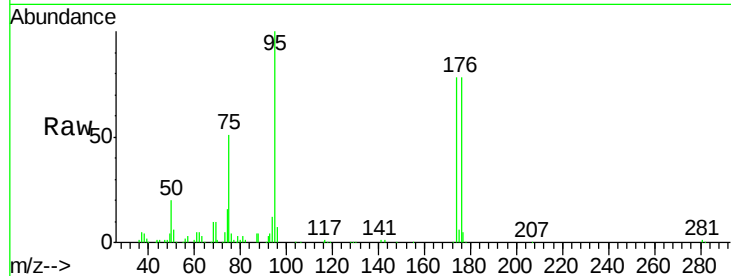
Tgt Ion: 95 Resp: 153766

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.6

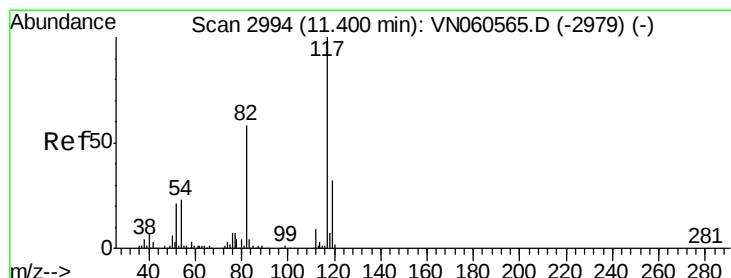
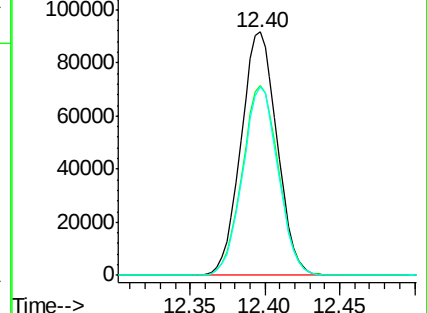
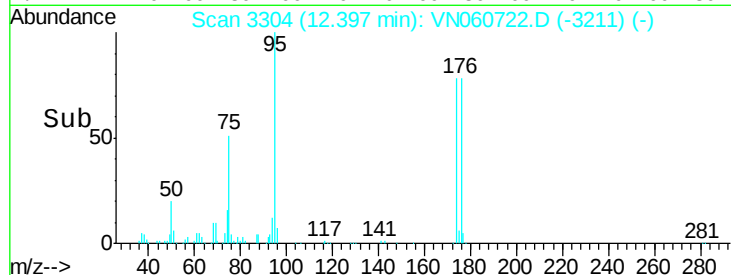
176 76.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060722.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060722.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060722.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

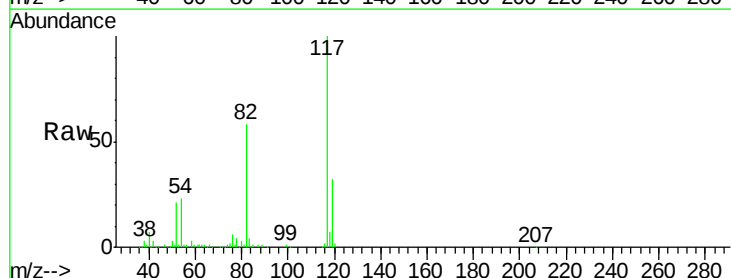
Tgt Ion: 117 Resp: 312232

Ion Ratio Lower Upper

117 100

82 58.4 46.7 70.1

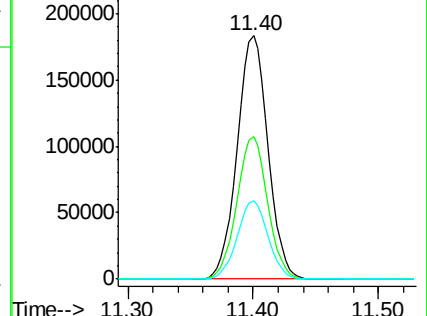
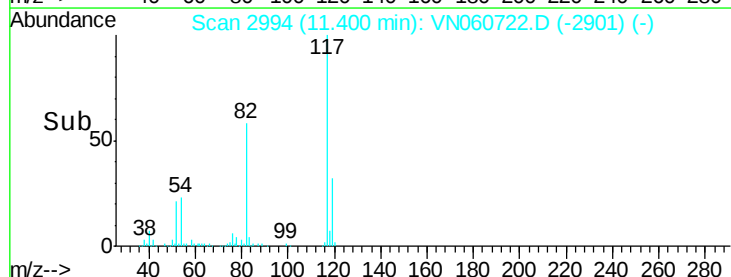
119 32.1 25.5 38.3

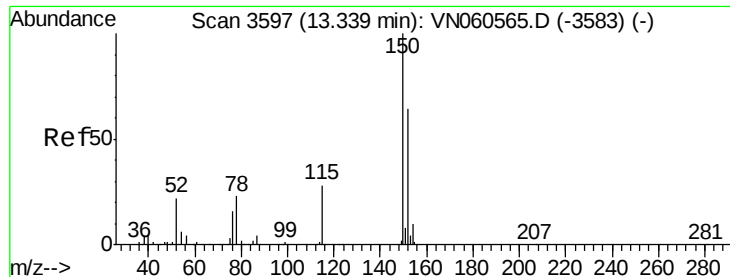


Abundance Ion 116.90 (116.60 to 117.60): VN060722.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060722.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060722.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#04

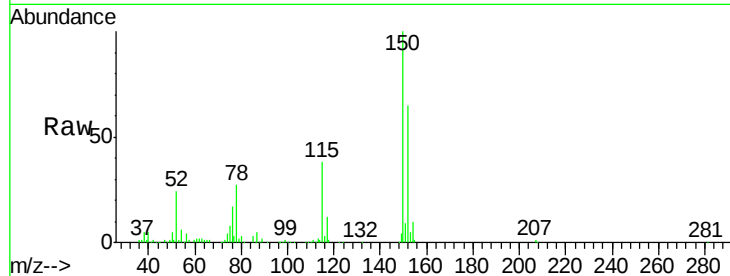
Tgt Ion: 152 Resp: 144538

Ion Ratio Lower Upper

152 100

115 59.4 30.2 90.6

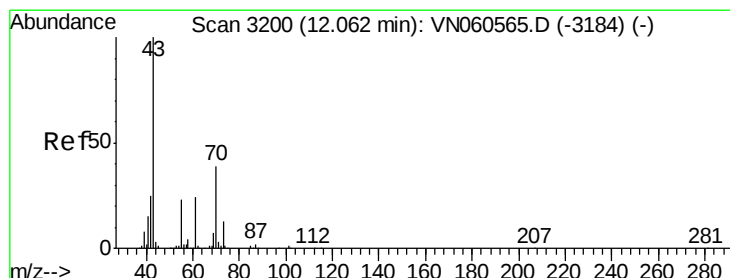
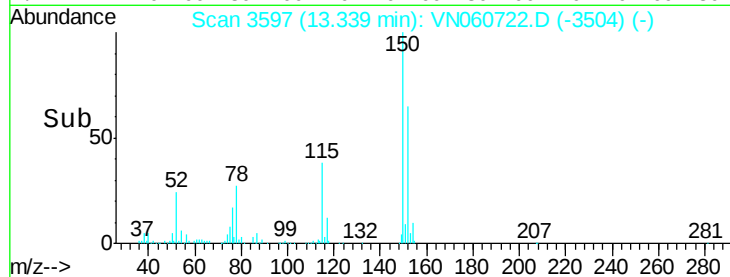
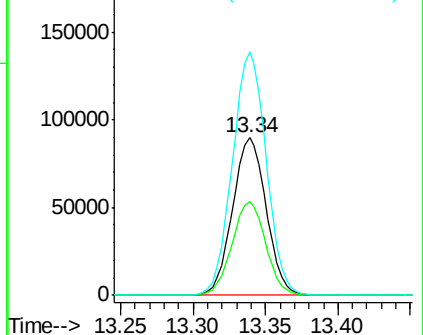
150 155.3 0.0 350.2



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: 0.632 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Tgt Ion: 43 Resp: 3169

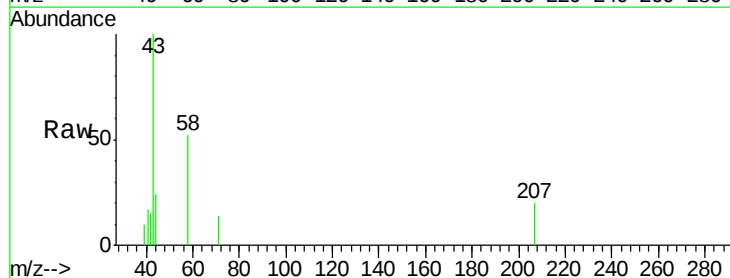
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

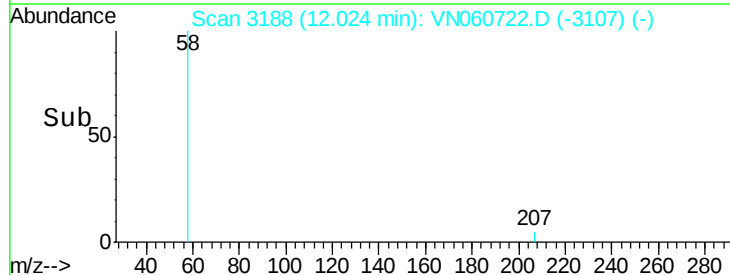
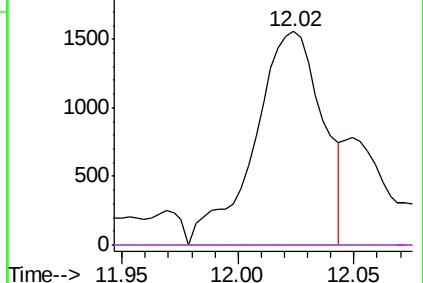


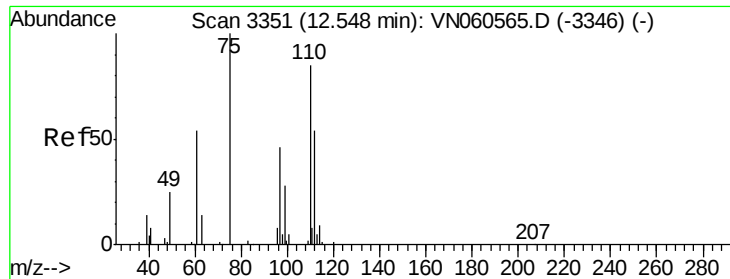
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.133 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

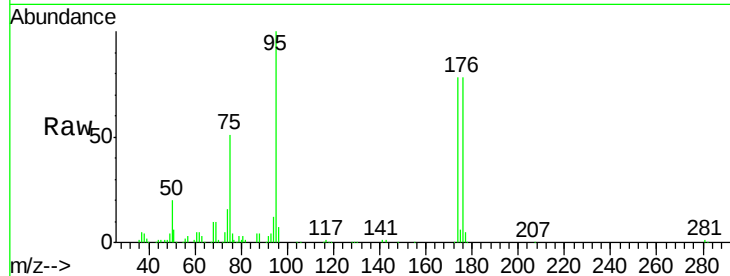
PB127792ZHE#04

Tgt Ion: 75 Resp: 78386

Ion Ratio Lower Upper

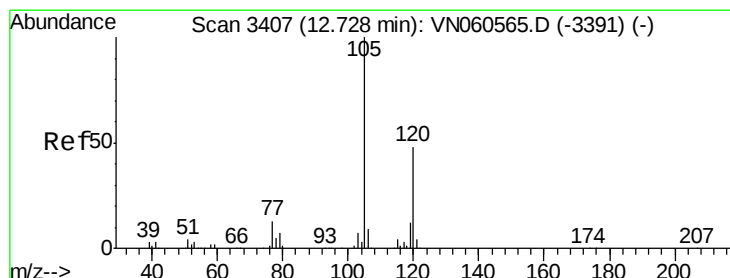
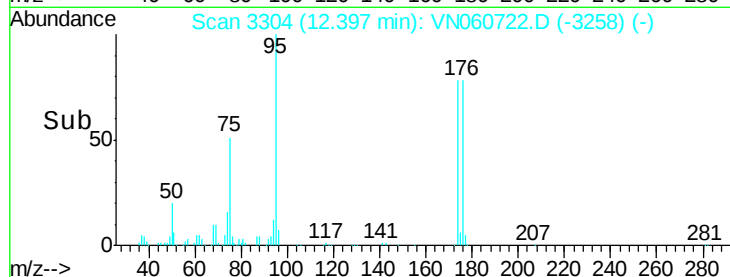
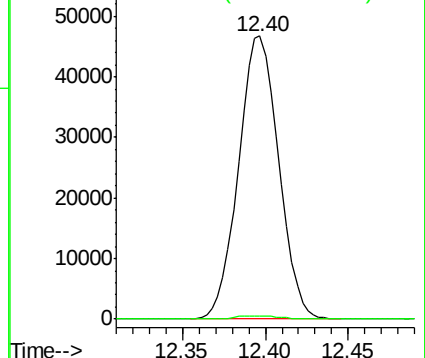
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060722.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060722.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.379 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060722.D

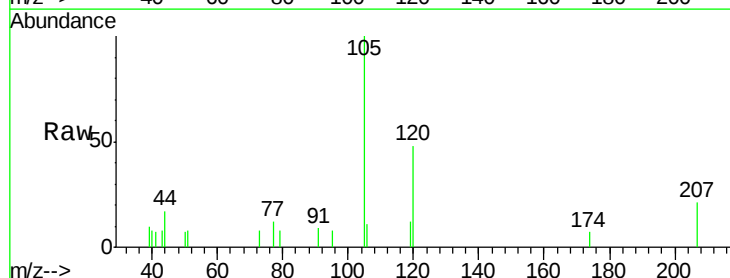
Acq: 26 Mar 2020 18:30

Tgt Ion: 105 Resp: 3487

Ion Ratio Lower Upper

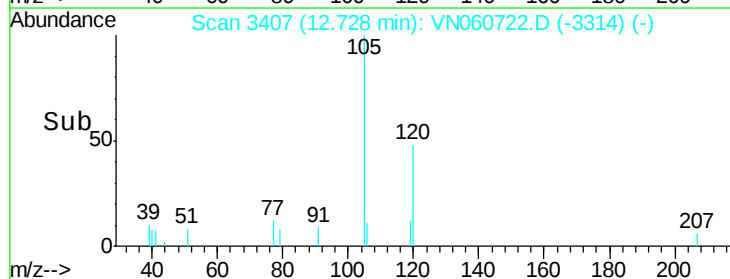
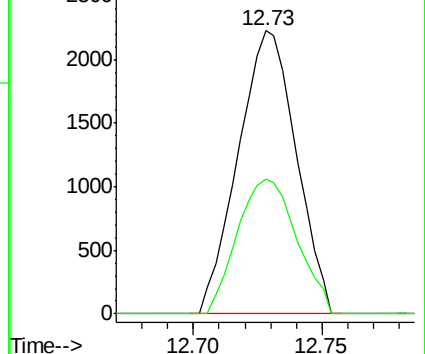
105 100

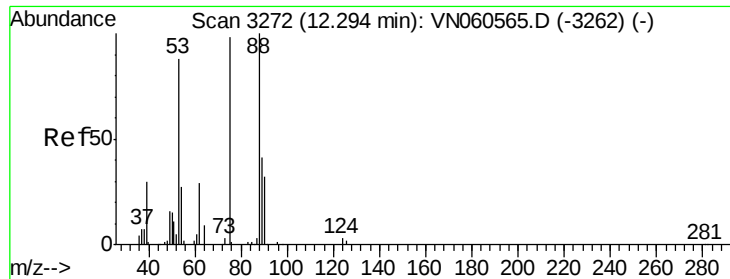
120 48.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060722.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060722.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.549 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060722.D

Acq: 26 Mar 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

PB127792ZHE#04

Tgt Ion: 75 Resp: 78386

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

