

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060127.D
 Acq On : 17 Feb 2020 18:08
 Operator : JC/MD
 Sample : L1365-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 18 02:08:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	182330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	296312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125875	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	114062	51.41	ug/l	0.00
Spiked Amount						
			Recovery	=	102.82%	
35) Dibromofluoromethane	7.57	113	90214	49.53	ug/l	0.00
Spiked Amount						
			Recovery	=	99.06%	
50) Toluene-d8	10.08	98	362918	50.60	ug/l	0.00
Spiked Amount						
			Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	129884	49.28	ug/l	0.00
Spiked Amount						
			Recovery	=	98.56%	

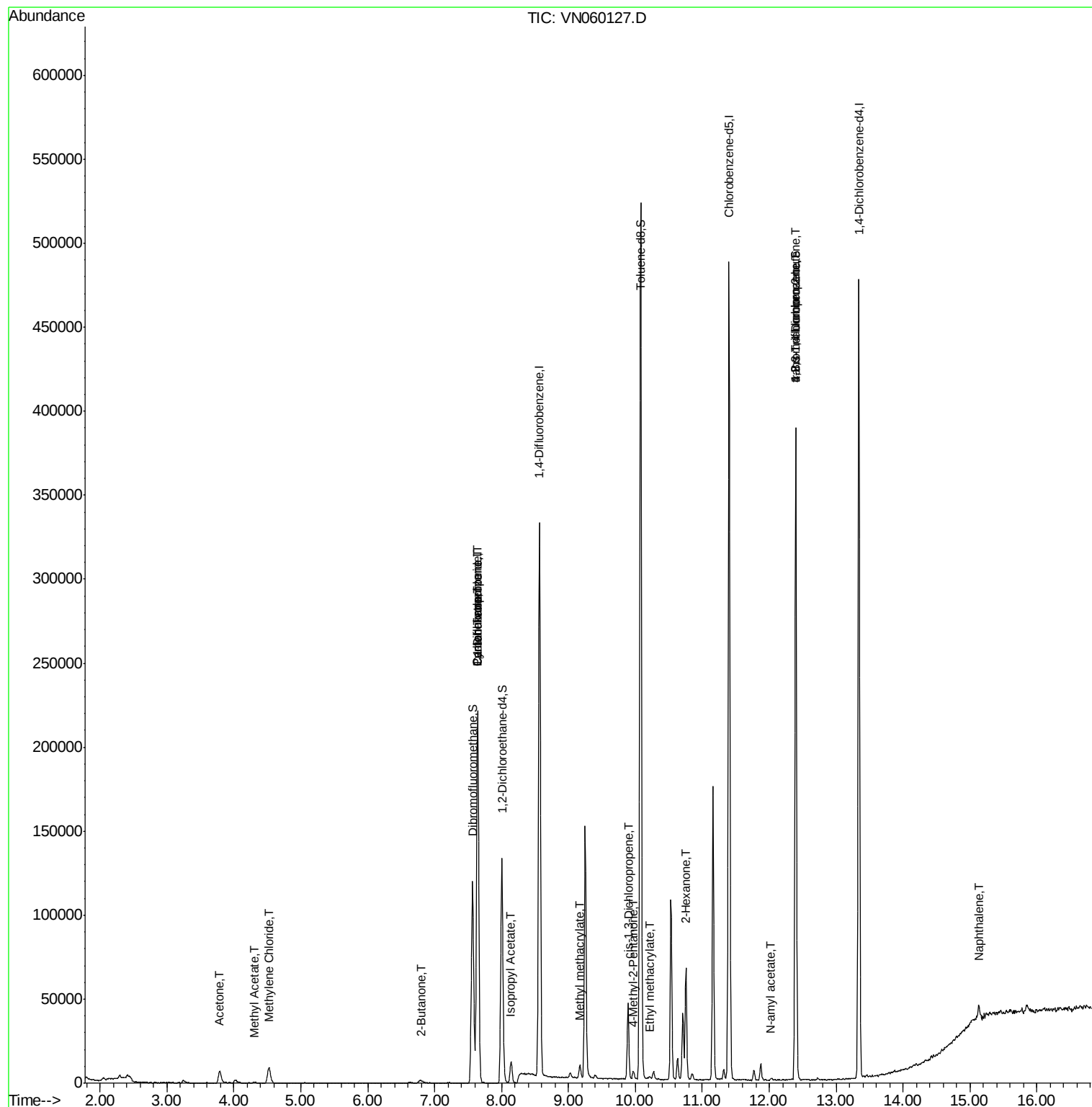
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	13877	14.339	ug/l	96
18) Methyl Acetate	4.30	43	873	0.480	ug/l #	50
20) Methylene Chloride	4.52	84	7405	3.835	ug/l	97
25) 2-Butanone	6.82	43	1854	1.523	ug/l #	46
31) Cyclohexane	7.64	56	3889	1.239	ug/l #	5
36) 1,1-Dichloropropene	7.64	75	13669	4.980	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17146	5.752	ug/l #	15
43) Isopropyl Acetate	8.14	43	15518	3.660	ug/l #	89
48) Methyl methacrylate	9.17	41	1042	0.548	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	4244	1.729	ug/l #	84
54) cis-1,3-Dichloropropene	9.89	75	8295	2.410	ug/l #	61
56) Ethyl methacrylate	10.22	69	892	0.310	ug/l #	45
59) 2-Hexanone	10.75	43	9657	5.094	ug/l #	52
74) N-amyl acetate	12.03	43	974	0.287	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	68287	28.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	68287	69.428	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.33	75	30	Below Cal	#	1
95) Naphthalene	15.13	128	6247	0.974	ug/l	98

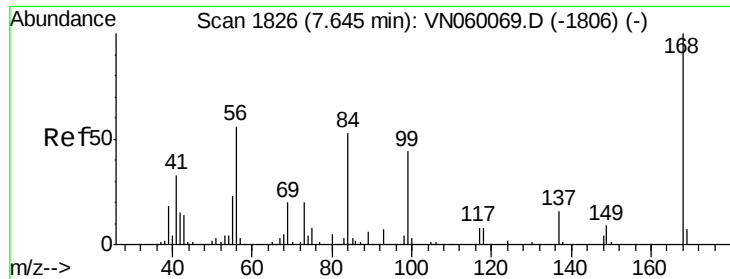
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

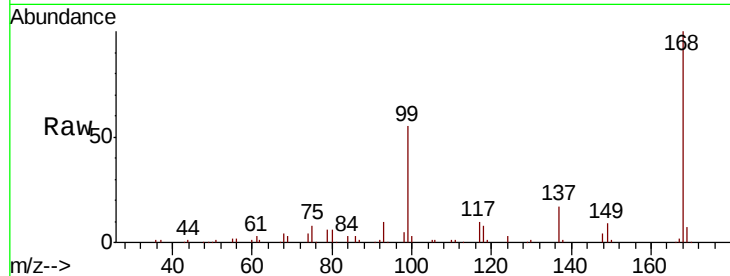
ClientSampled :

Tot Ion:168 Resp: 182330

Ion Ratio Lower Upper

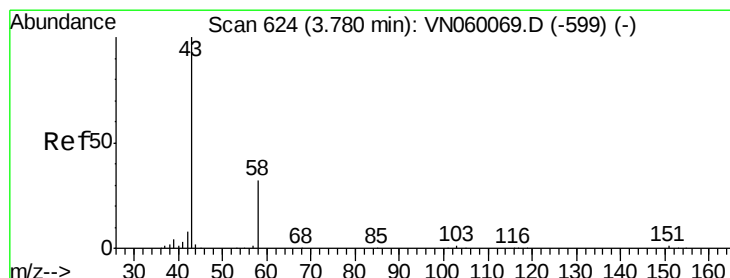
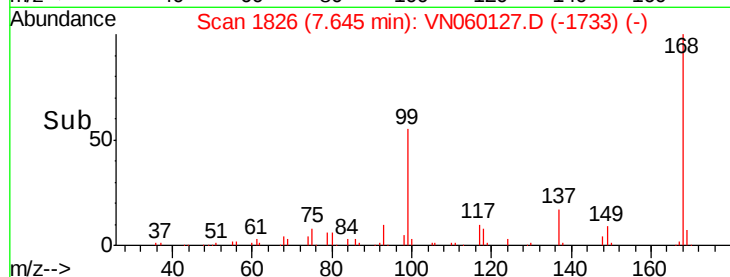
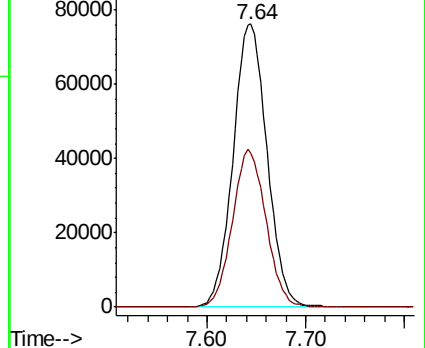
168 100

99 54.6 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 14.339 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060127.D

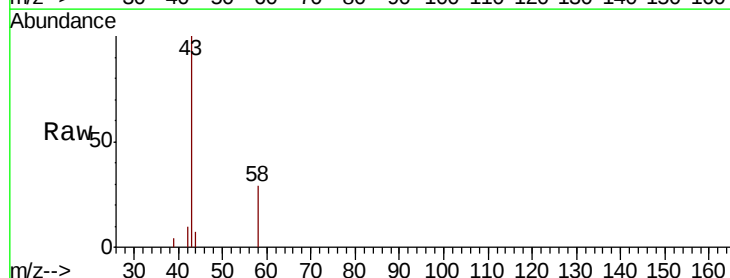
Acq: 17 Feb 2020 18:08

Tgt Ion: 43 Resp: 13877

Ion Ratio Lower Upper

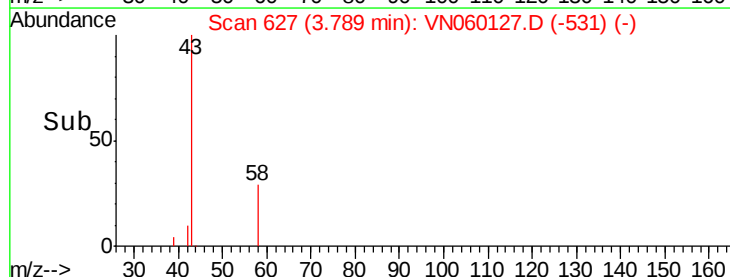
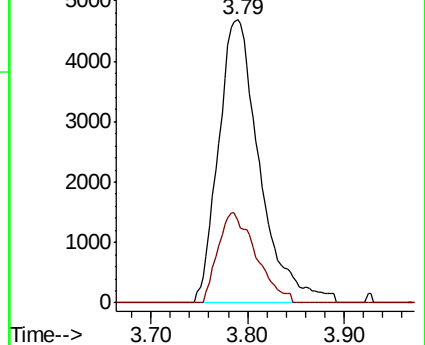
43 100

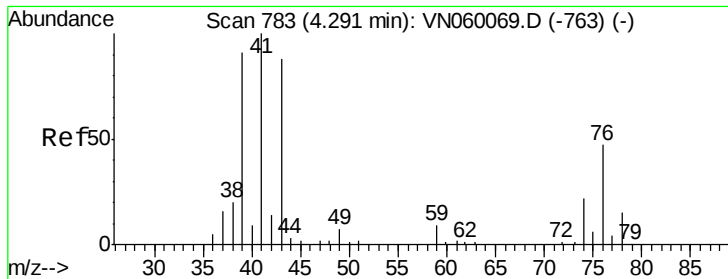
58 29.0 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

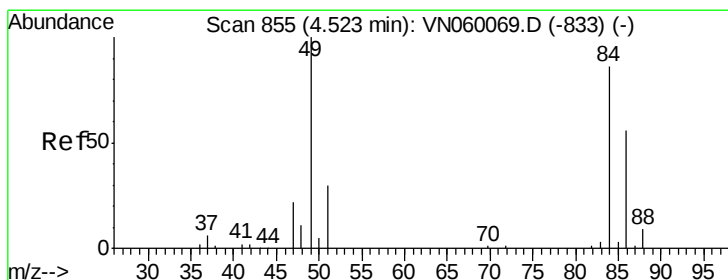
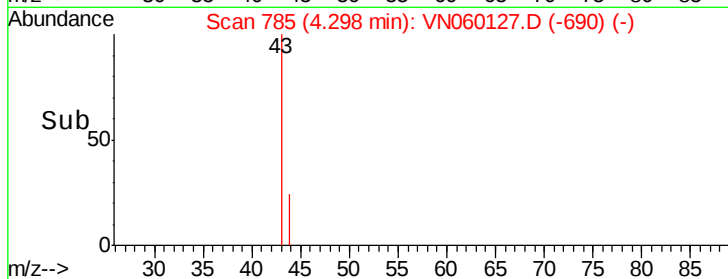
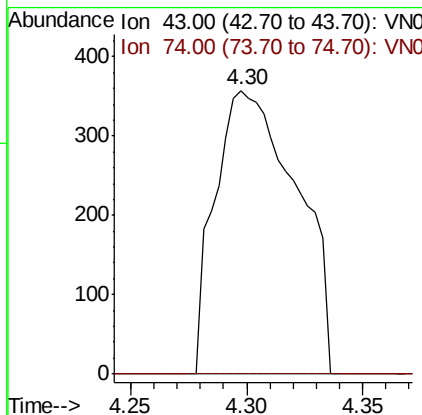
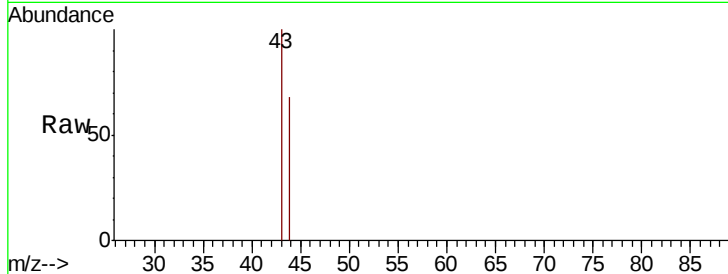




#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060127.D
Acq: 17 Feb 2020 18:08

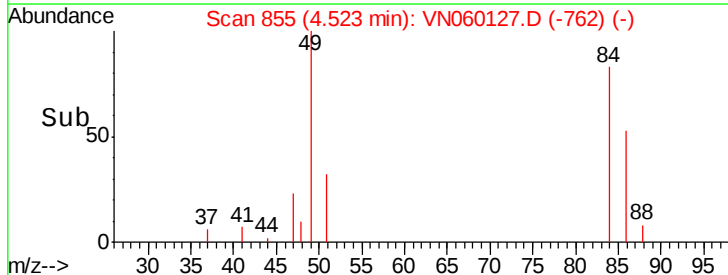
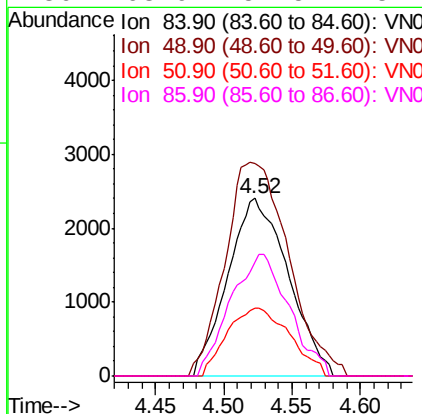
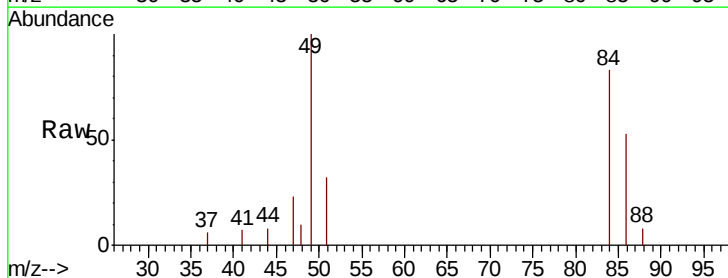
Instrument :
MSVOA_N
ClientSampleId :

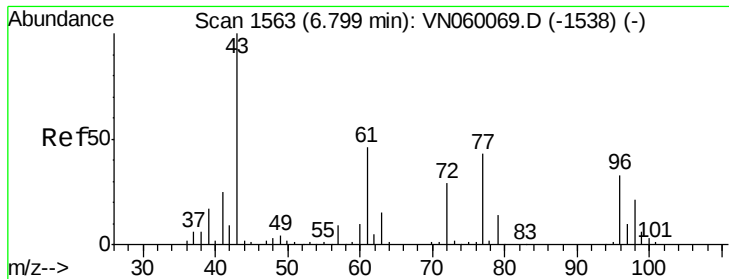
Tot Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 3.835 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060127.D
Acq: 17 Feb 2020 18:08

Tgt Ion: 84 Resp: 7405
Ion Ratio Lower Upper
84 100
49 119.8 93.4 140.0
51 38.3 28.4 42.6
86 63.9 52.5 78.7





#25

2-Butanone

Concen: 1.523 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

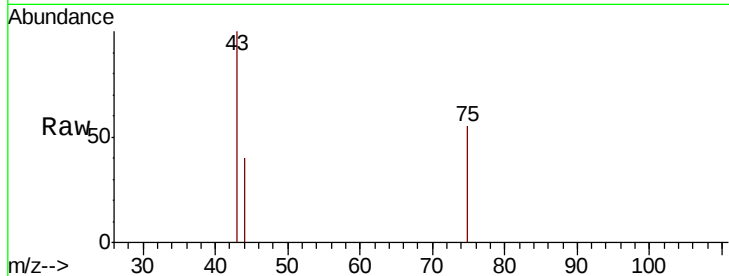
ClientSampleId :

Tot Ion: 43 Resp: 1854

Ion Ratio Lower Upper

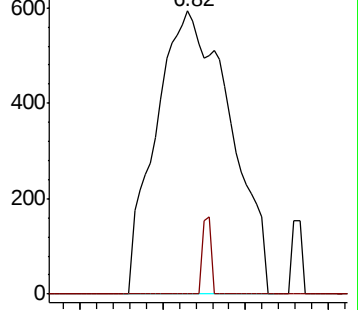
43 100

72 0.0 23.3 34.9#

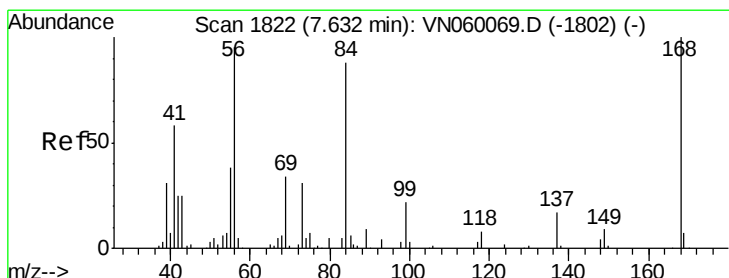
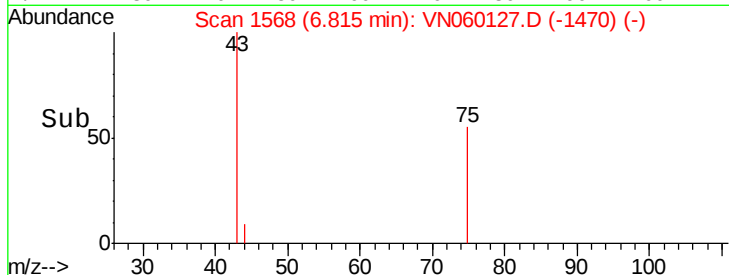


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#31

Cyclohexane

Concen: 1.239 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

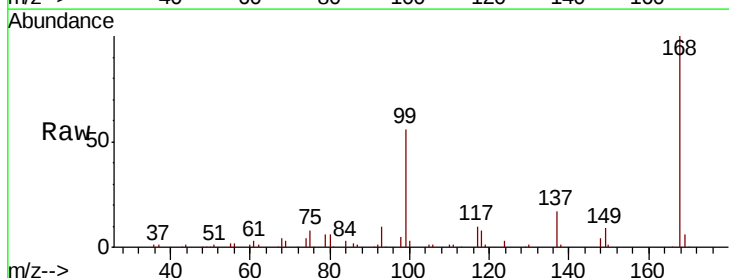
Tgt Ion: 56 Resp: 3889

Ion Ratio Lower Upper

56 100

69 161.5 28.3 42.5#

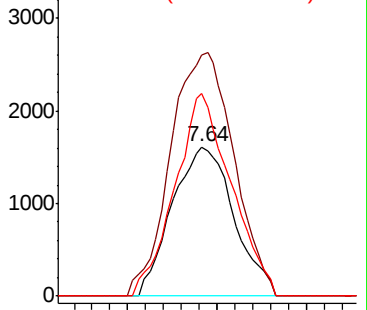
84 136.1 72.6 108.8#



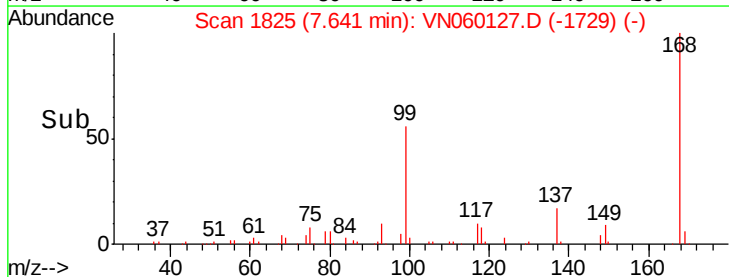
Abundance Ion 56.00 (55.70 to 56.70): VN0

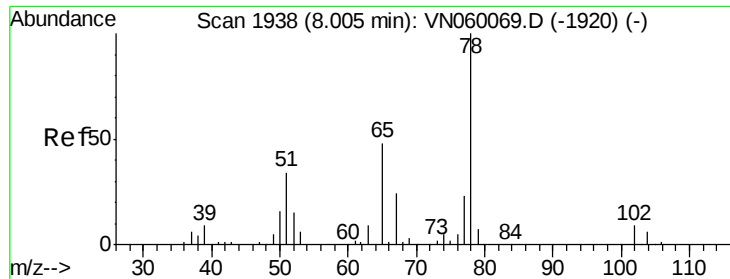
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



Time-->

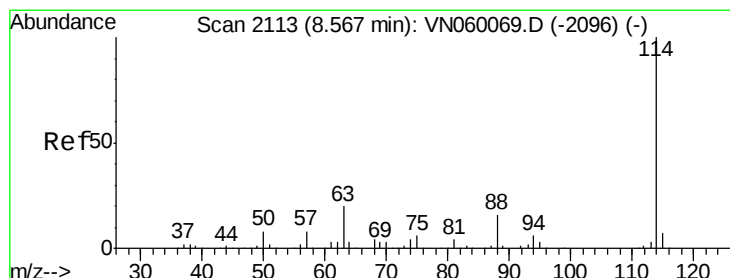
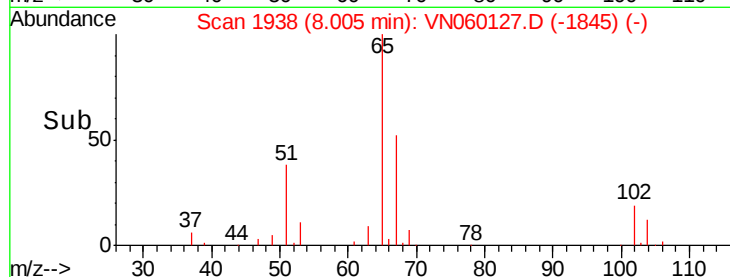
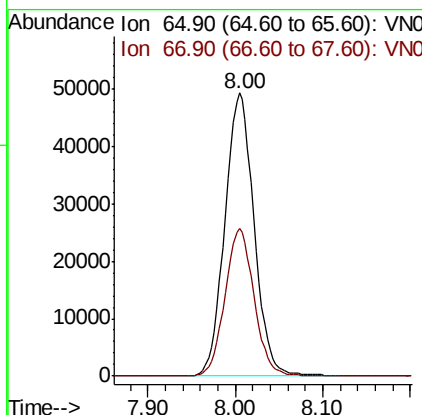
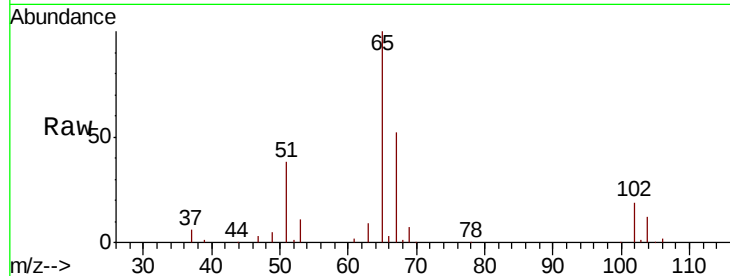




#33
 1,2-Dichloroethane-d4
 Concen: 51.411 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060127.D
 Acq: 17 Feb 2020 18:08

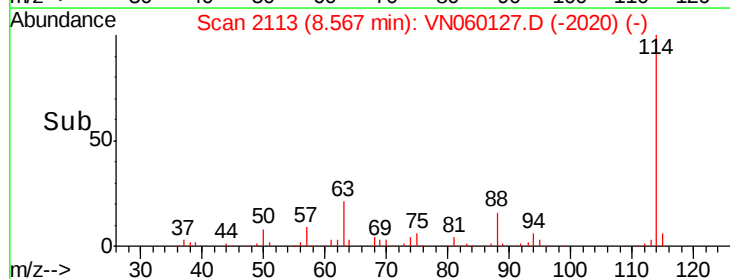
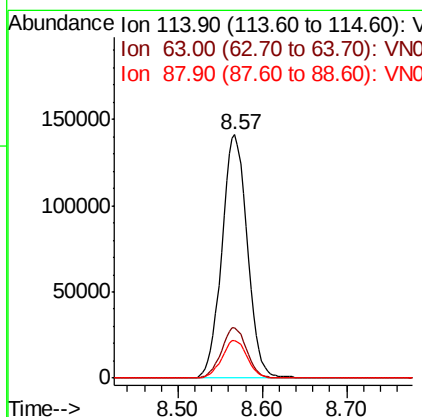
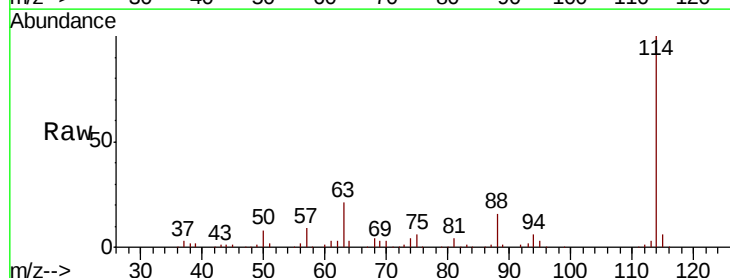
Instrument :
 MSVOA_N
 ClientSampled :

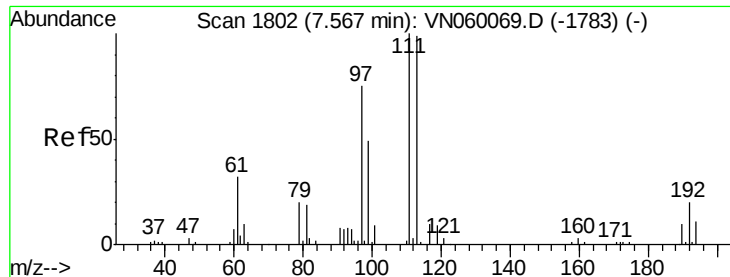
Tot Ion: 65 Resp: 114062
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060127.D
 Acq: 17 Feb 2020 18:08

Tgt Ion: 114 Resp: 296312
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.0
 88 15.5 0.0 31.6

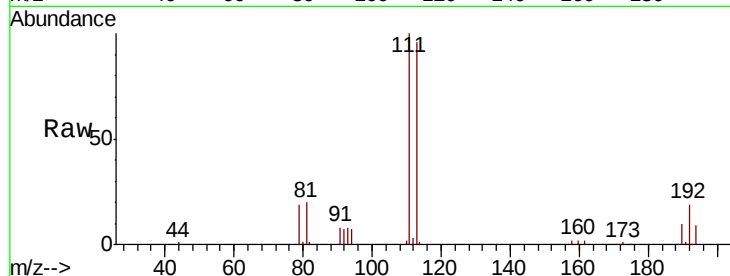




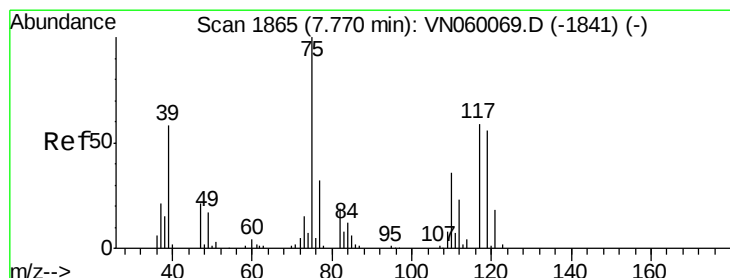
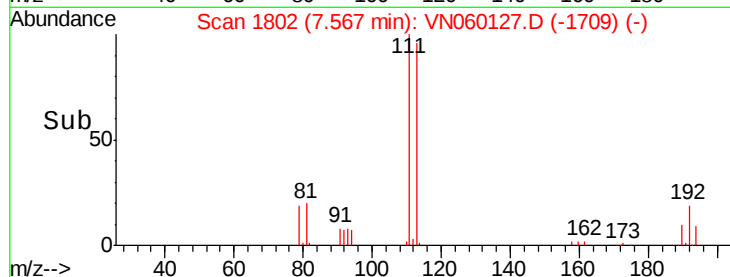
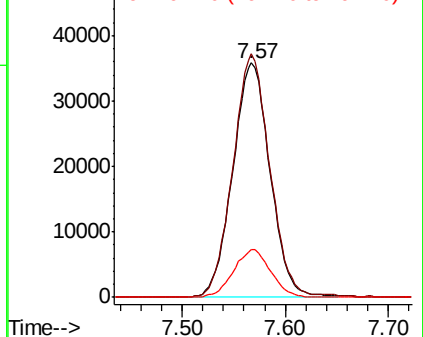
#35
 Dibromofluoromethane
 Concen: 49.529 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060127.D
 Acq: 17 Feb 2020 18:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 90214
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 20.2 16.2 24.2

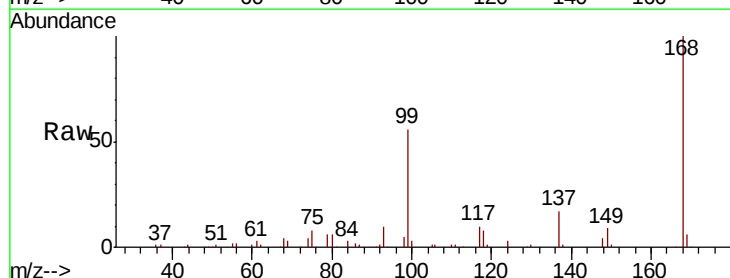


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

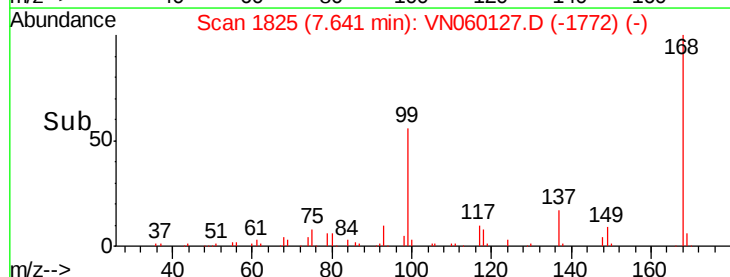
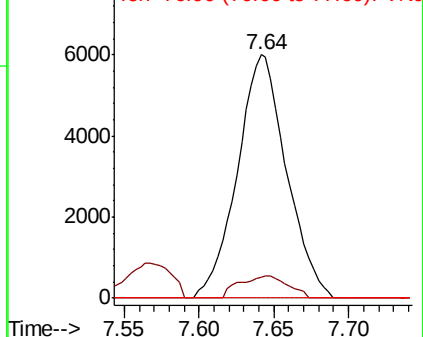


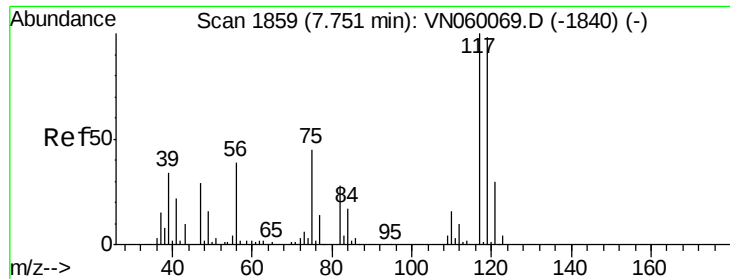
#36
 1,1-Dichloropropene
 Concen: 4.980 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060127.D
 Acq: 17 Feb 2020 18:08

Tgt Ion: 75 Resp: 13669
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#



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

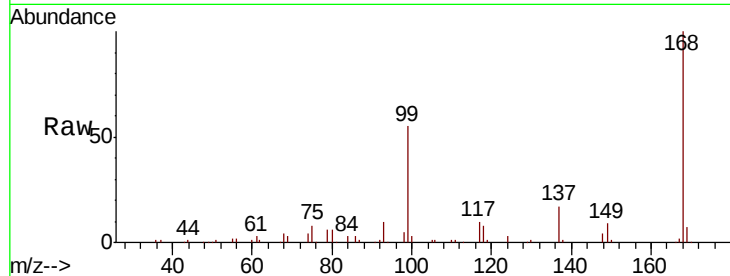




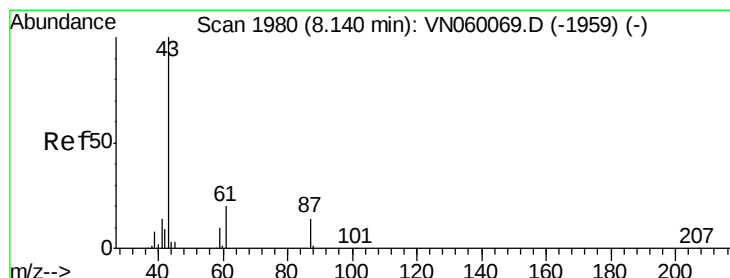
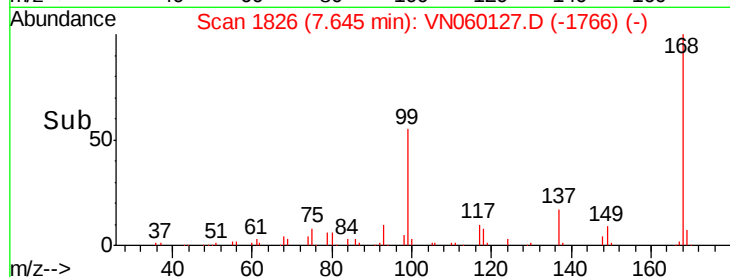
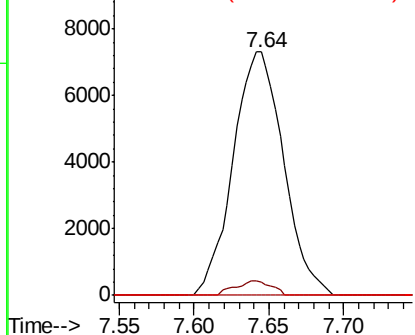
#38
Carbon Tetrachloride
Concen: 5.752 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060127.D
Acq: 17 Feb 2020 18:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 117 Resp: 17146
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.4#
121 0.0 24.2 36.2#

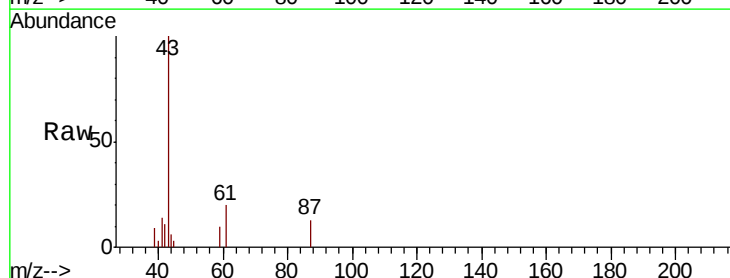


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

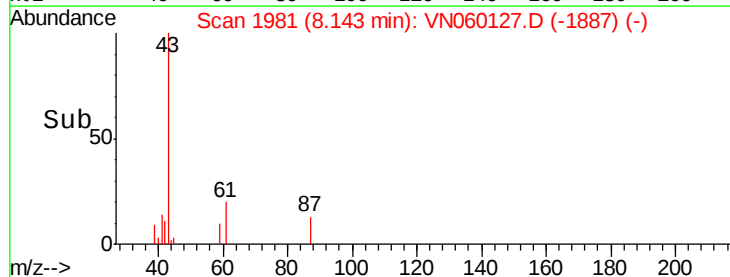
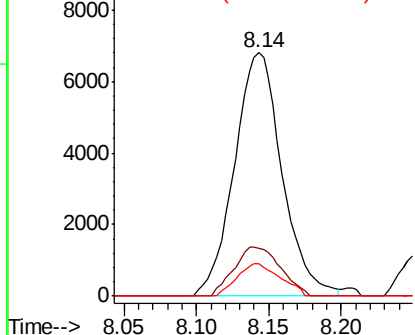


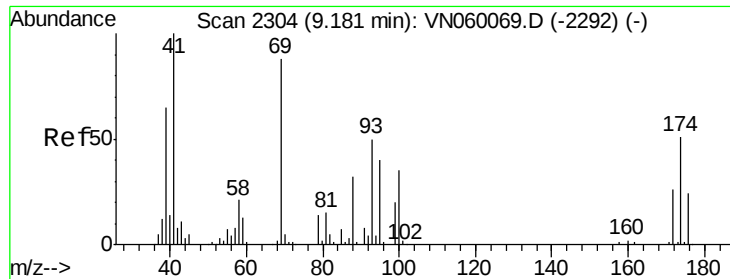
#43
Isopropyl Acetate
Concen: 3.660 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN060127.D
Acq: 17 Feb 2020 18:08

Tgt Ion: 43 Resp: 15518
Ion Ratio Lower Upper
43 100
61 19.8 21.8 32.6#
87 12.0 11.4 17.2



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

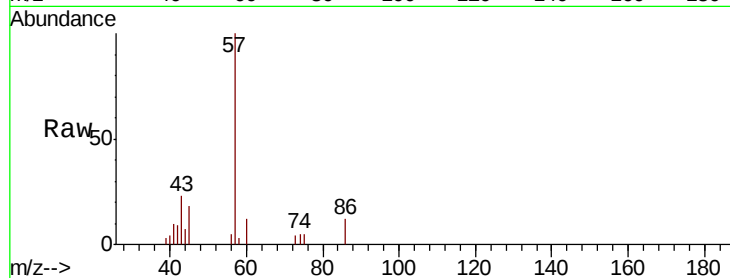




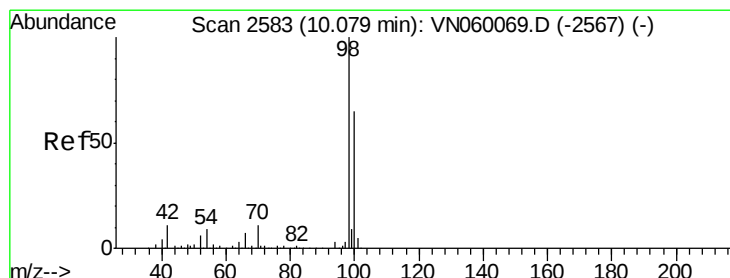
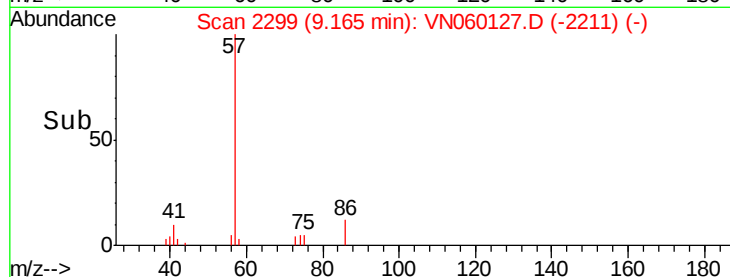
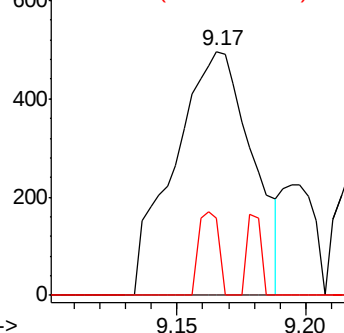
#48
Methyl methacrylate
Concen: 0.548 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060127.D
Acq: 17 Feb 2020 18:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 1042
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#

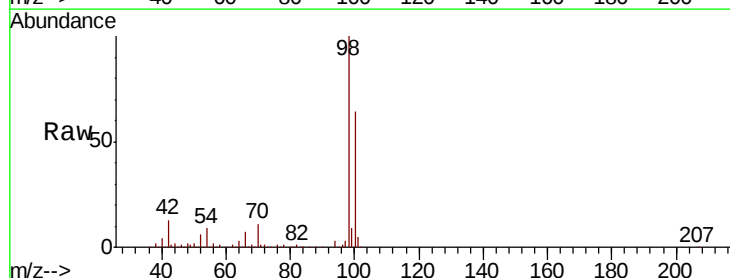


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

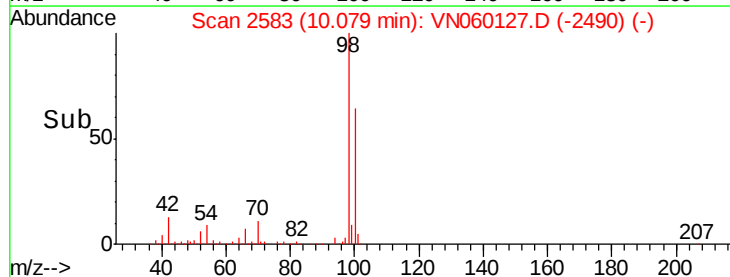
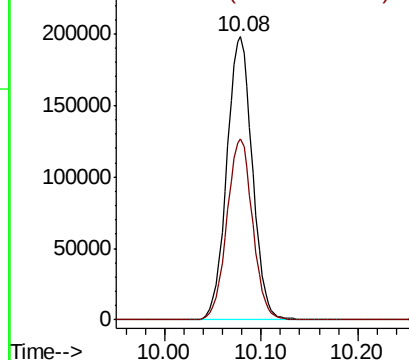


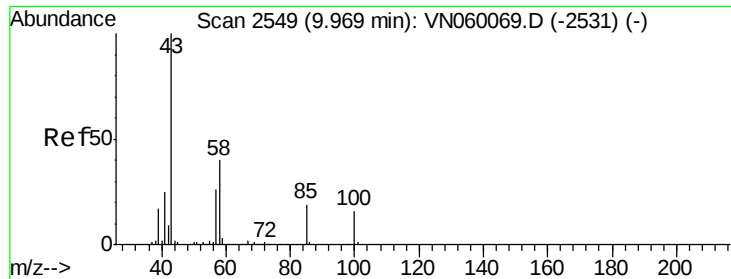
#50
Toluene-d8
Concen: 50.597 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060127.D
Acq: 17 Feb 2020 18:08

Tgt Ion: 98 Resp: 362918
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.729 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

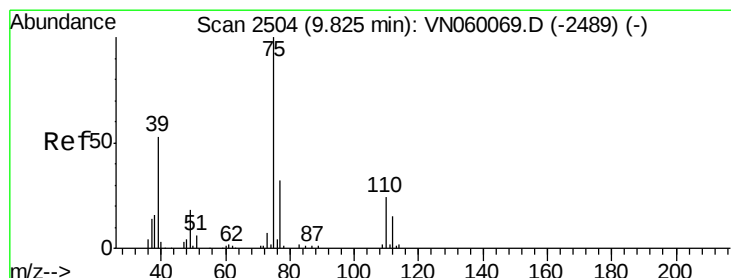
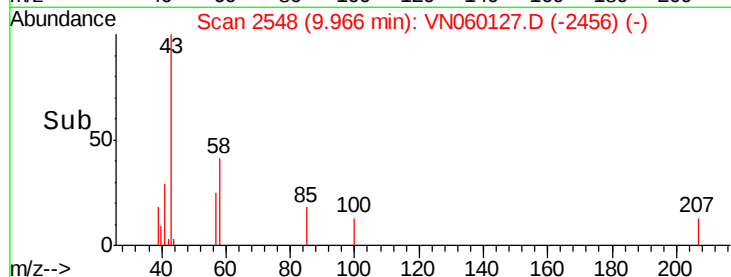
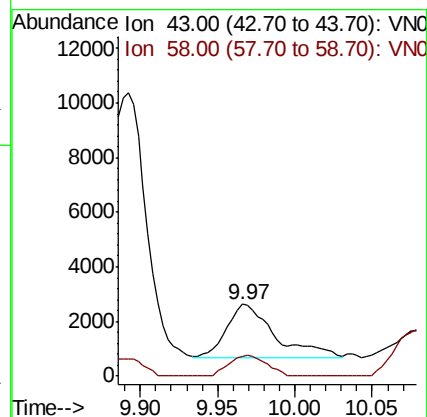
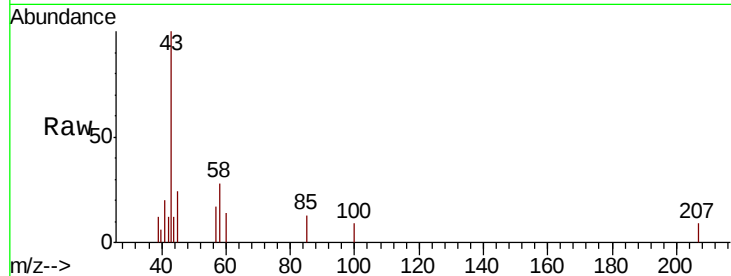
ClientSampleId :

Tot Ion: 43 Resp: 4244

Ion Ratio Lower Upper

43 100

58 30.0 31.8 47.8#



#54

cis-1,3-Dichloropropene

Concen: 2.410 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

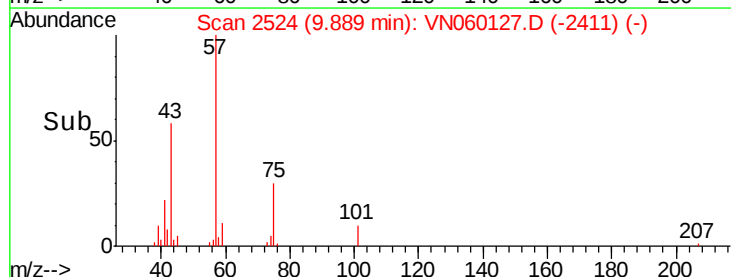
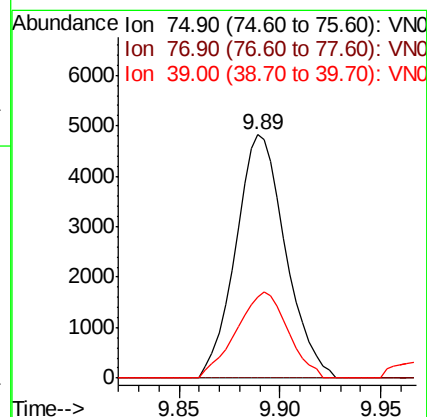
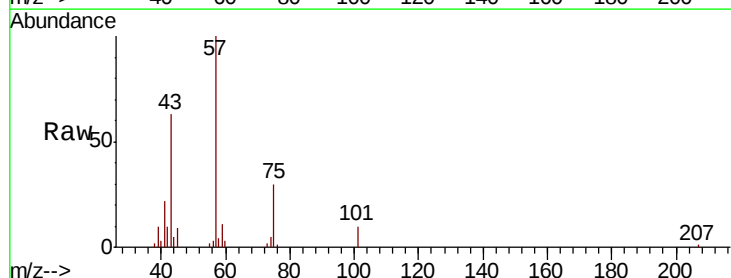
Tgt Ion: 75 Resp: 8295

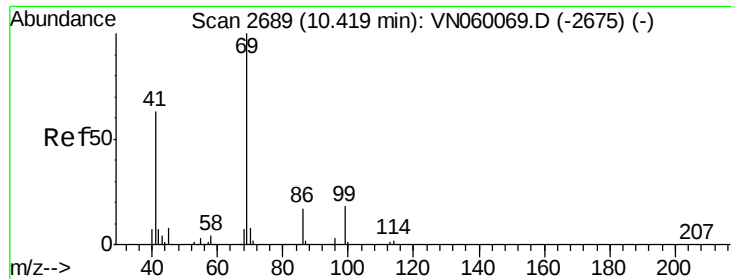
Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

39 33.5 42.2 63.4#





#56

Ethyl methacrylate

Concen: 0.310 ug/l

RT: 10.22 min Scan# 2626

Delta R.T. -0.20 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

ClientSampled :

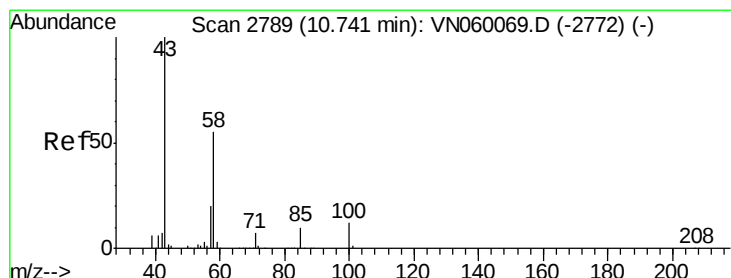
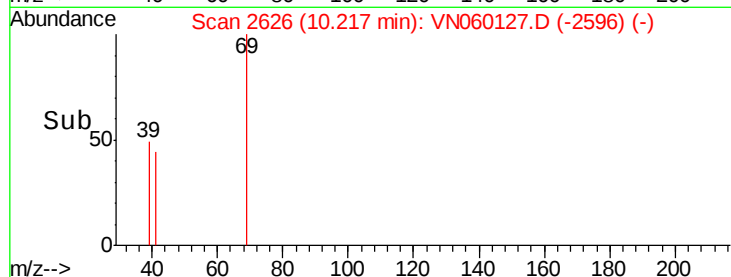
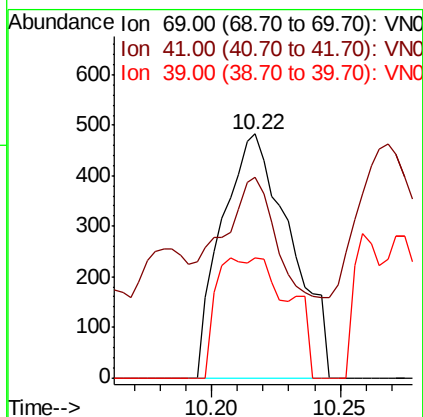
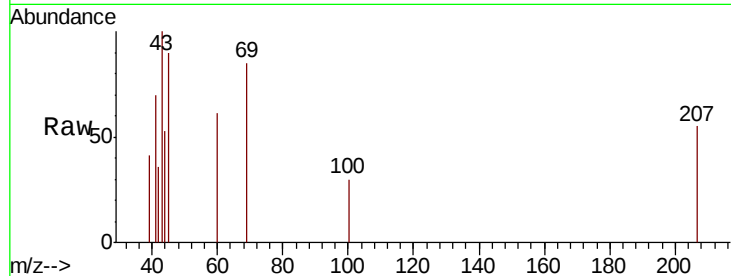
Tot Ion: 69 Resp: 892

Ion Ratio Lower Upper

69 100

41 0.0 51.1 76.7#

39 51.2 33.8 50.8#



#59

2-Hexanone

Concen: 5.094 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060127.D

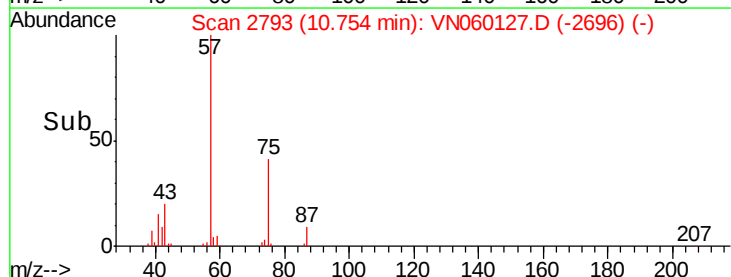
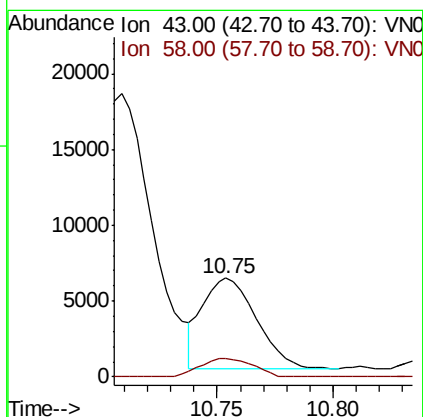
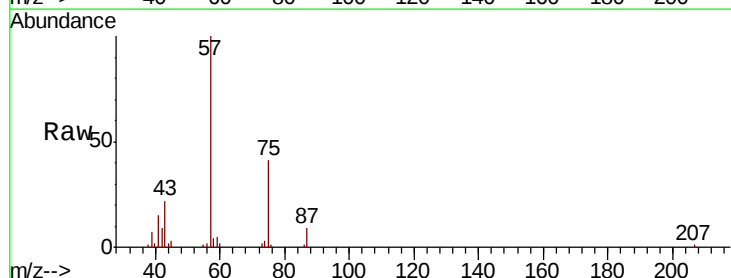
Acq: 17 Feb 2020 18:08

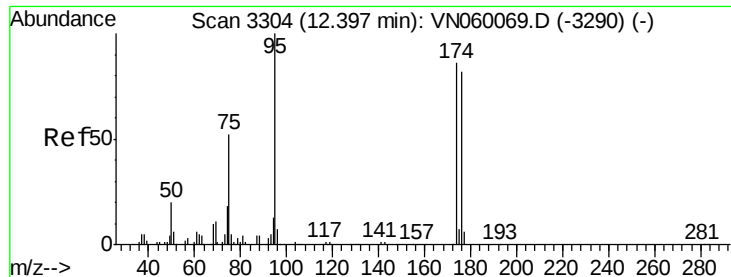
Tgt Ion: 43 Resp: 9657

Ion Ratio Lower Upper

43 100

58 20.0 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 49.280 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

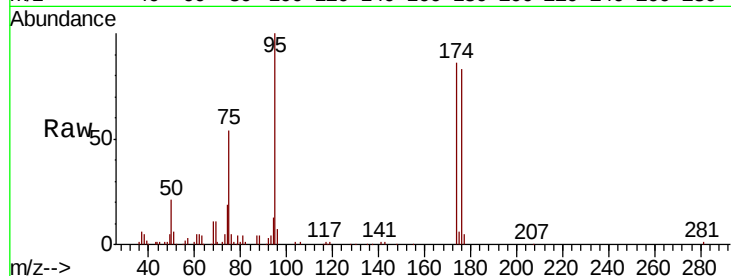
Tot Ion: 95 Resp: 129884

Ion Ratio Lower Upper

95 100

174 83.6 0.0 169.8

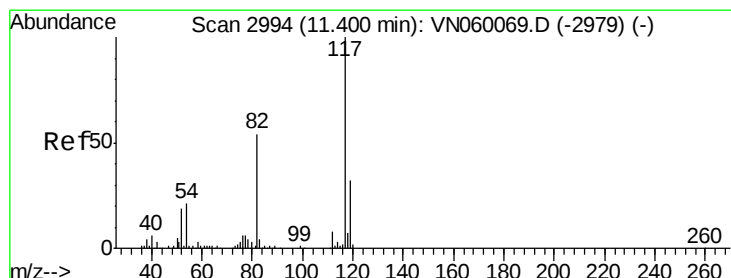
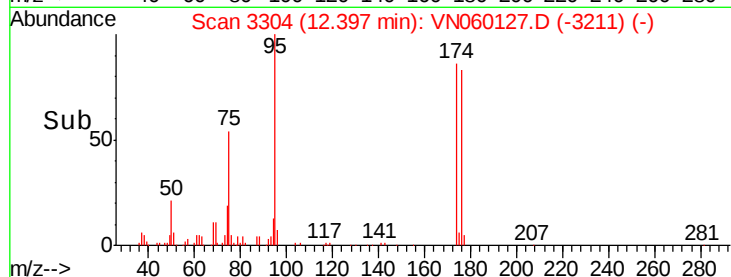
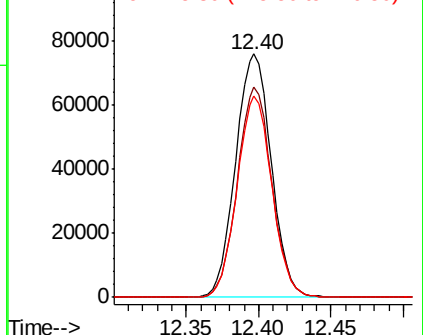
176 80.6 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060127.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060127.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060127.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

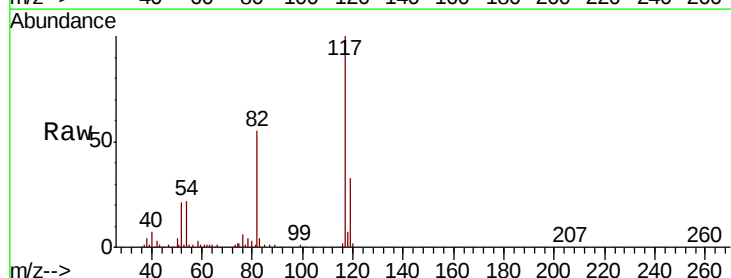
Tgt Ion: 117 Resp: 277688

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

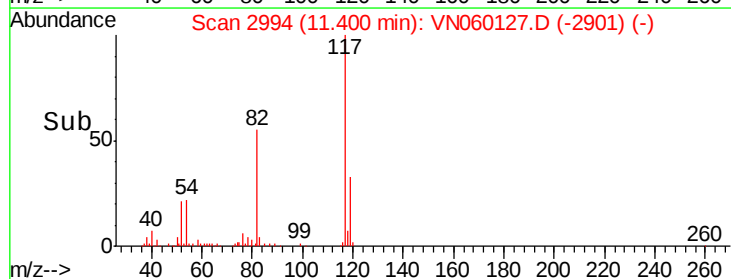
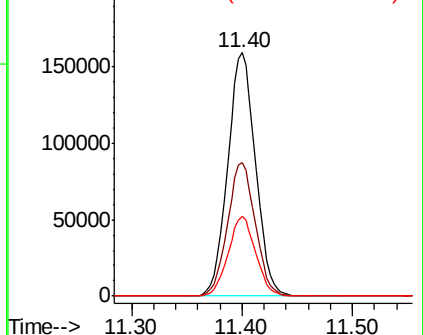
119 32.6 25.8 38.6

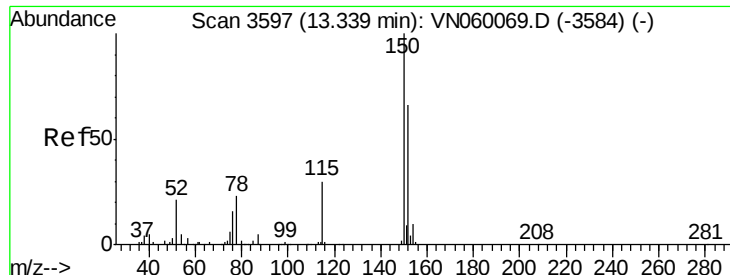


Abundance Ion 116.90 (116.60 to 117.60): VN060127.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060127.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060127.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

ClientSampleId :

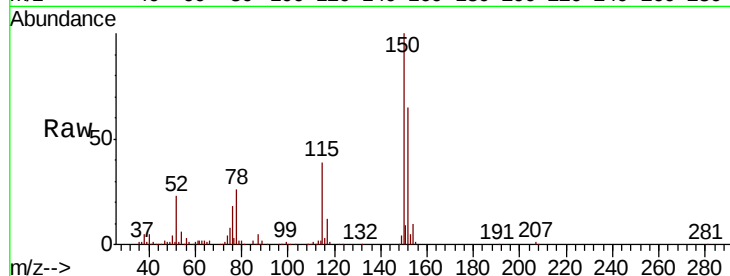
Tot Ion:152 Resp: 125875

Ion Ratio Lower Upper

152 100

115 59.6 28.9 86.8

150 157.0 0.0 342.4

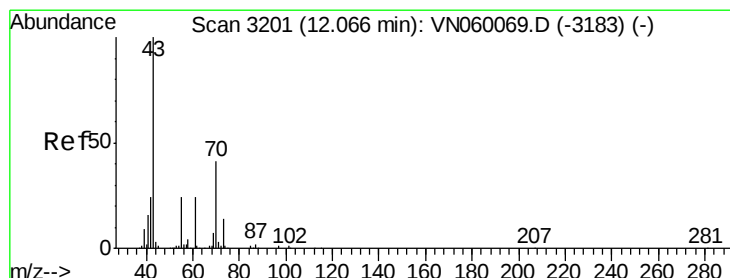
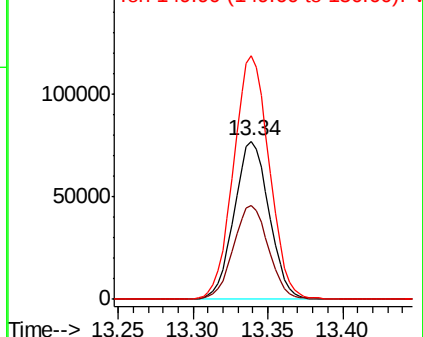
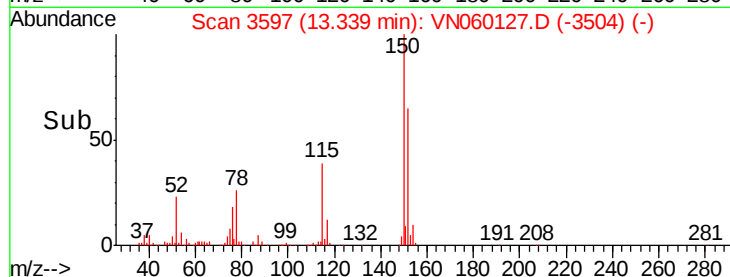


Abundance

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: 0.287 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Tgt Ion: 43 Resp: 974

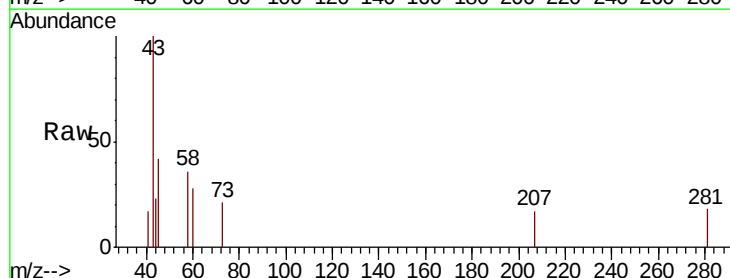
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#



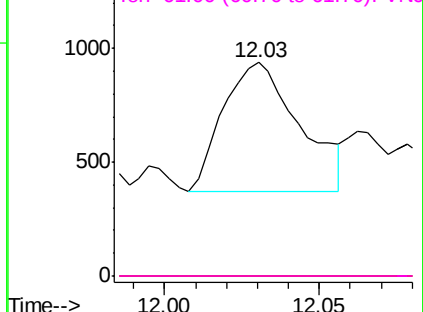
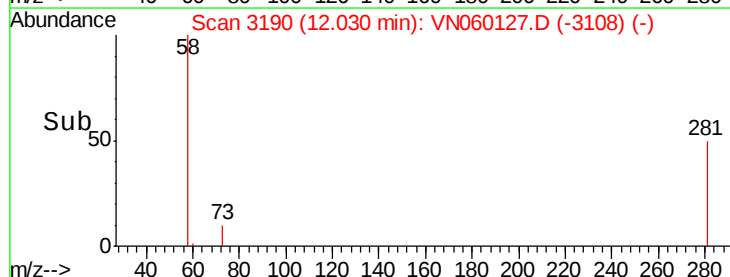
Abundance

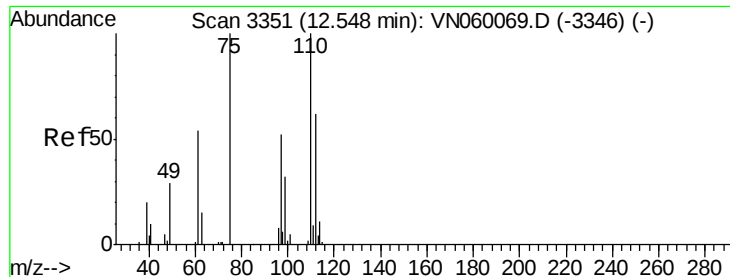
Ion 43.00 (42.70 to 43.70): V

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: 28.355 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

Instrument :

MSVOA_N

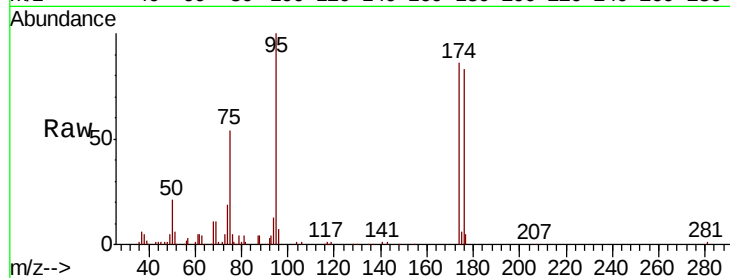
ClientSampleId :

Tot Ion: 75 Resp: 68287

Ion Ratio Lower Upper

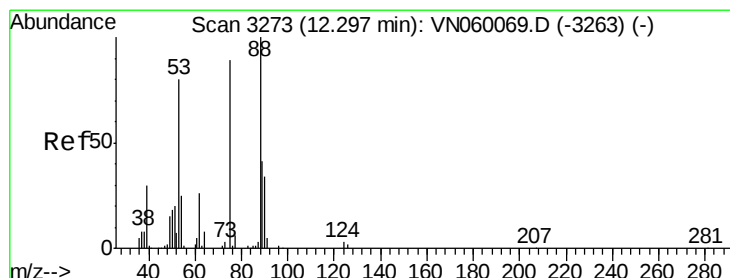
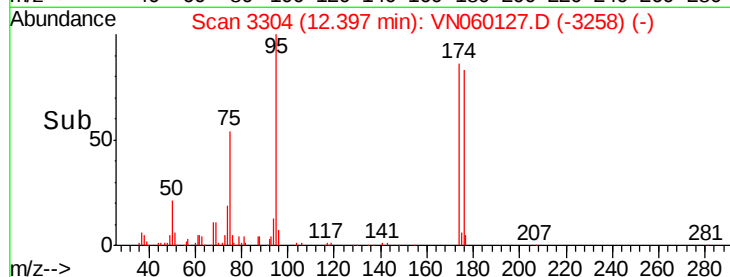
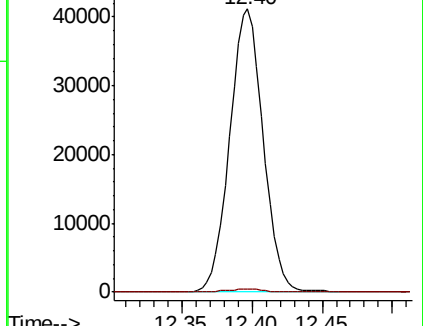
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060127.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060127.D (-3304) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 69.428 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060127.D

Acq: 17 Feb 2020 18:08

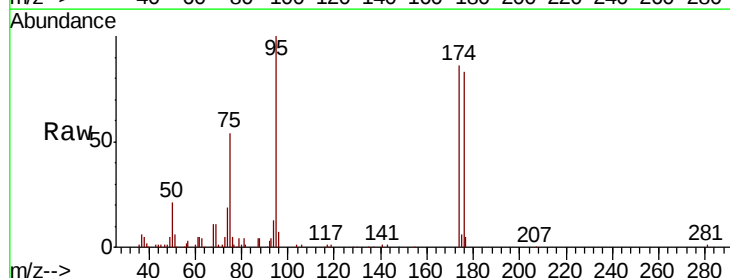
Tgt Ion: 75 Resp: 68287

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

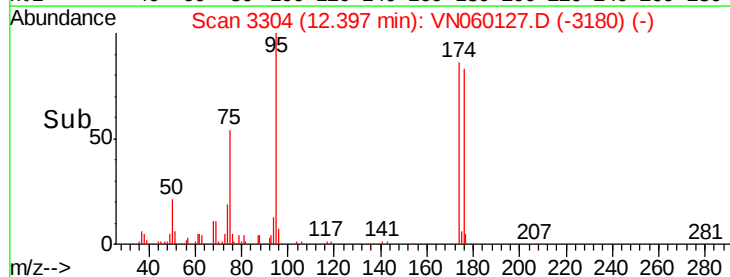
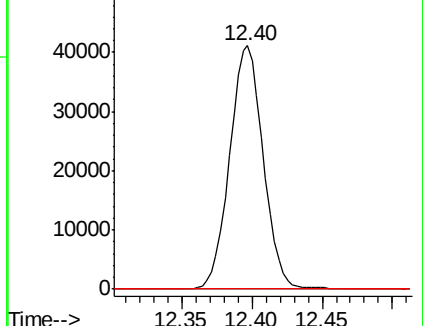
89 0.0 37.0 55.4#

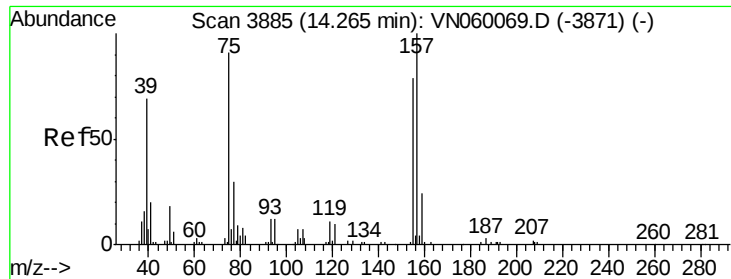


Abundance Ion 74.90 (74.60 to 75.60): VN060127.D (-3304) (-)

Ion 53.00 (52.70 to 53.70): VN060127.D (-3304) (-)

Ion 88.90 (88.60 to 89.60): VN060127.D (-3304) (-)

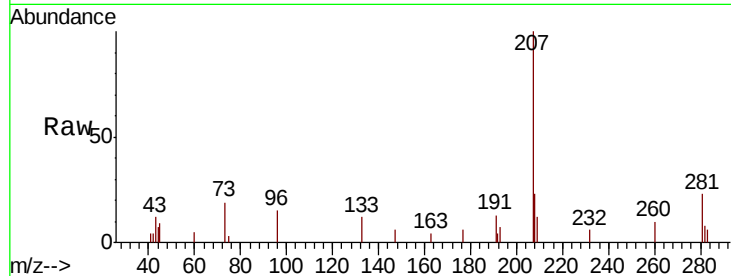




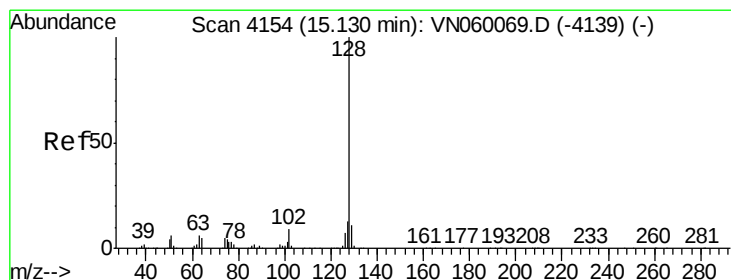
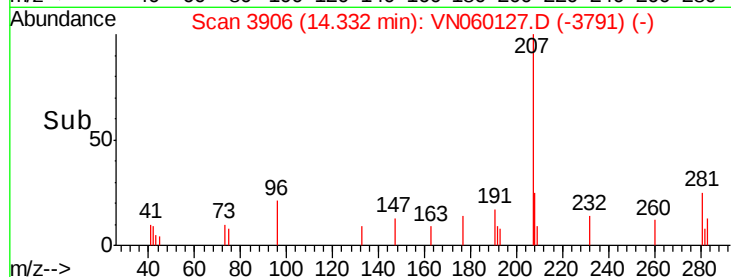
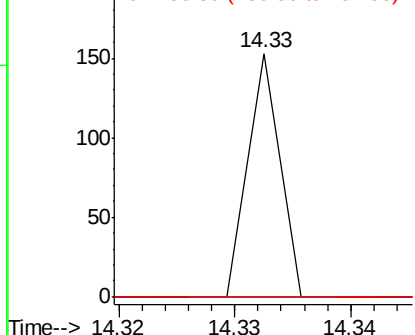
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.33 min Scan# 3906
 Delta R.T. 0.07 min
 Lab File: VN060127.D
 Acq: 17 Feb 2020 18:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#

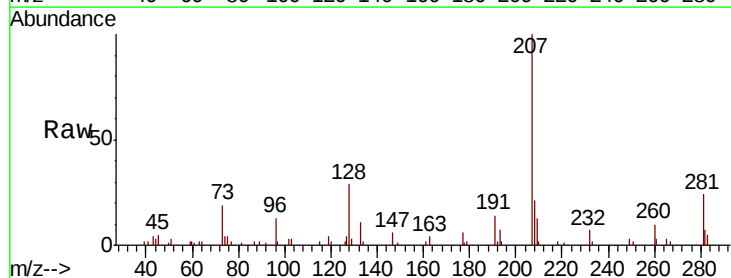


Abundance Ion 74.90 (74.60 to 75.60): VN060127.D (-3791) (-)
 Ion 154.80 (154.50 to 155.50): VN060127.D (-3791) (-)
 Ion 156.80 (156.50 to 157.50): VN060127.D (-3791) (-)



#95
 Naphthalene
 Concen: 0.974 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060127.D
 Acq: 17 Feb 2020 18:08

Tgt Ion: 128 Resp: 6247
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.3 15.5
 129 9.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN060127.D (-4061) (-)
 Ion 127.00 (126.70 to 127.70): VN060127.D (-4061) (-)
 Ion 129.00 (128.70 to 129.70): VN060127.D (-4061) (-)

