

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060125.D
 Acq On : 17 Feb 2020 17:23
 Operator : JC/MD
 Sample : L1530-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 18 02:08:06 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

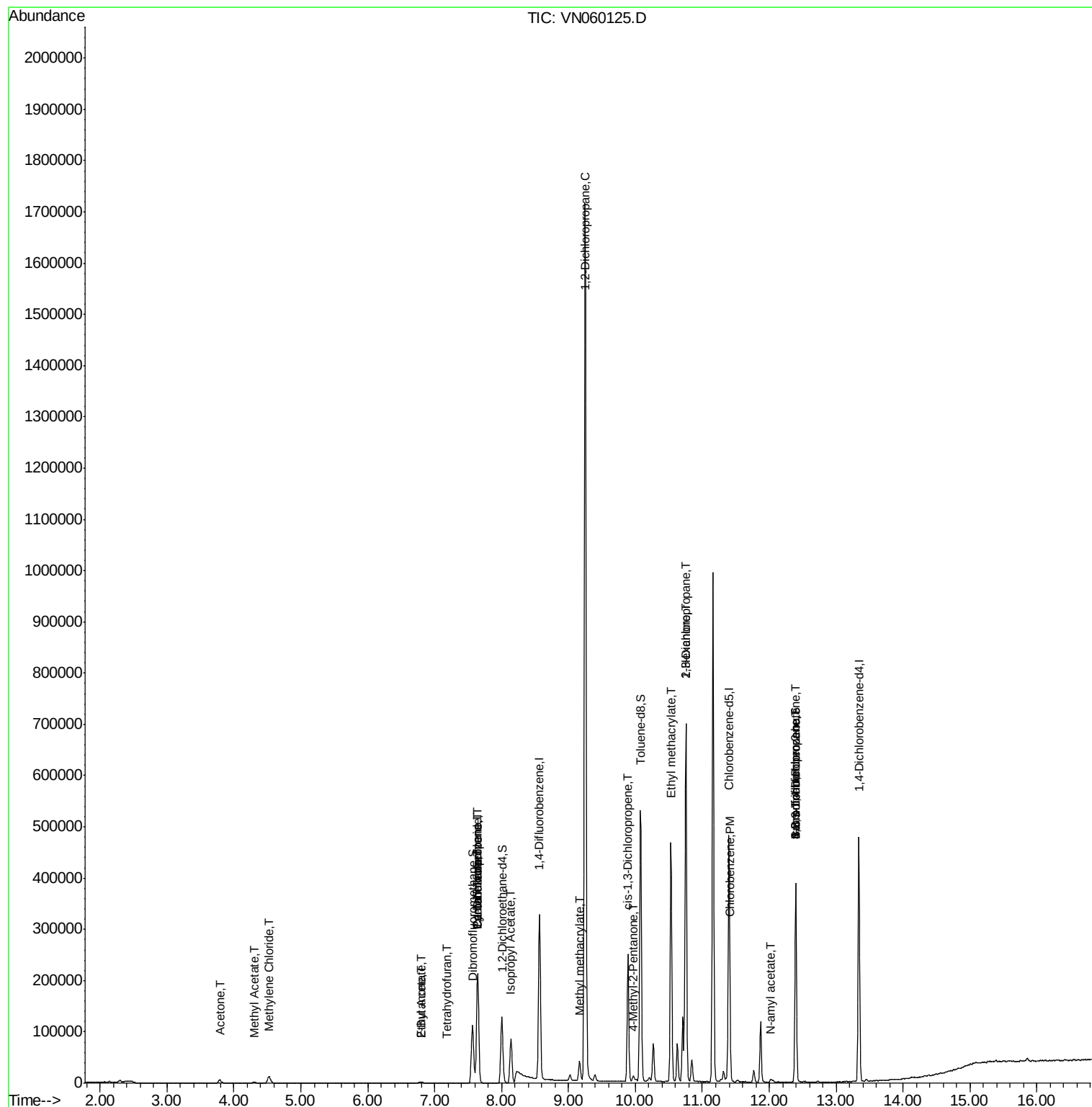
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	286858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124972	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	110560	50.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.68%	
35) Dibromofluoromethane	7.57	113	87825	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
50) Toluene-d8	10.08	98	351760	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	130513	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	11728	12.363	ug/l	98
18) Methyl Acetate	4.29	43	3095	1.737	ug/l #	80
20) Methylene Chloride	4.53	84	10804	5.709	ug/l	96
25) 2-Butanone	6.81	43	2183	1.830	ug/l #	46
29) Tetrahydrofuran	7.19	42	247	0.337	ug/l #	30
31) Cyclohexane	7.64	56	3860	1.255	ug/l #	27
36) 1,1-Dichloropropene	7.64	75	13842	5.210	ug/l #	48
37) Ethyl Acetate	6.81	43	2183	0.909	ug/l #	68
38) Carbon Tetrachloride	7.64	117	17351	6.013	ug/l #	14
43) Isopropyl Acetate	8.14	43	101850	24.812	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	1984	1.017	ug/l #	43
48) Methyl methacrylate	9.16	41	5265	2.859	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	8241	3.468	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	44670	13.406	ug/l #	61
56) Ethyl methacrylate	10.53	69	909	0.326	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	6826	2.098	ug/l #	43
59) 2-Hexanone	10.75	43	100746	54.892	ug/l #	50
65) Chlorobenzene	11.42	112	1411	0.254	ug/l	90
71) Bromoform	12.40	173	368	0.218	ug/l #	1
74) N-amyl acetate	12.02	43	5354	1.591	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	67488	28.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	67488	69.112	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.28	75	101	Below Cal	#	1

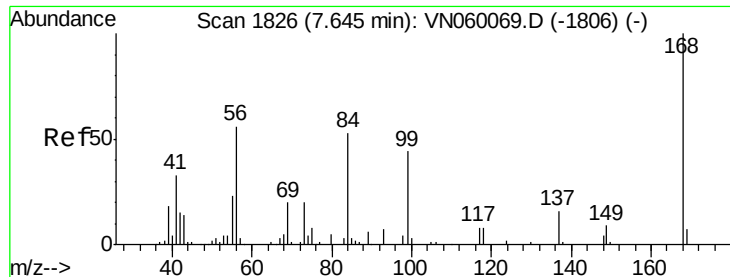
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Feb 18 02:08:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
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: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

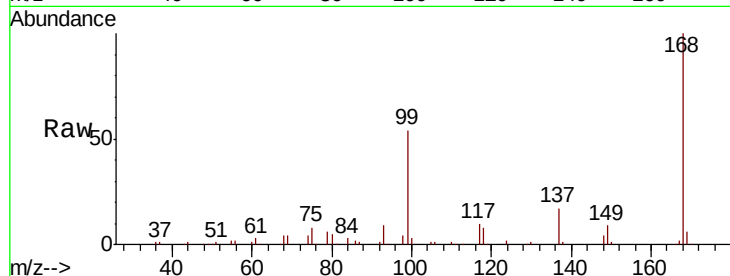
ClientSampled :

Tot Ion:168 Resp: 178722

Ion Ratio Lower Upper

168 100

99 53.8 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

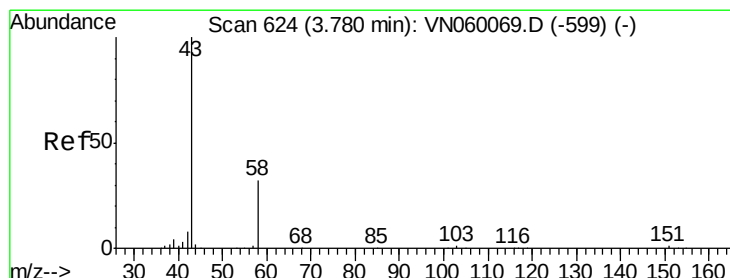
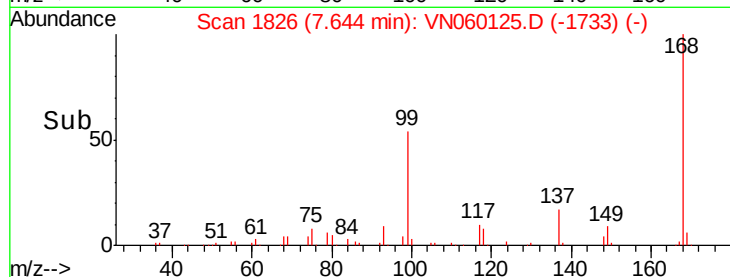
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 12.363 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060125.D

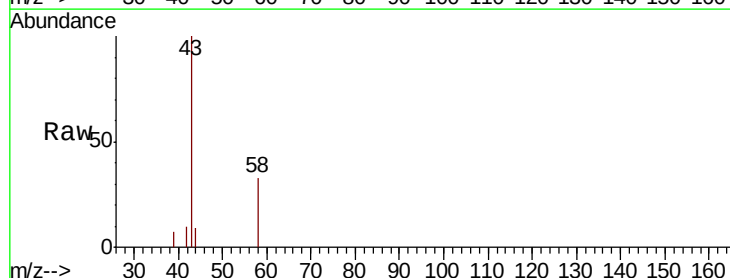
Acq: 17 Feb 2020 17:23

Tgt Ion: 43 Resp: 11728

Ion Ratio Lower Upper

43 100

58 32.6 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

4000

3000

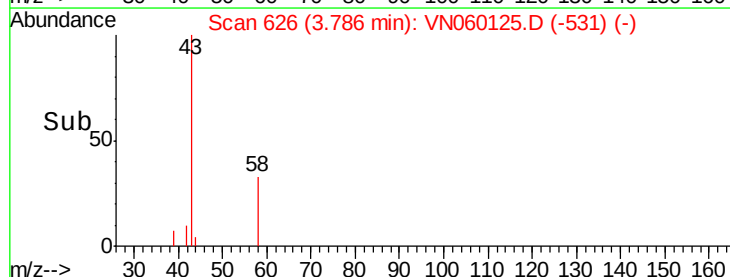
2000

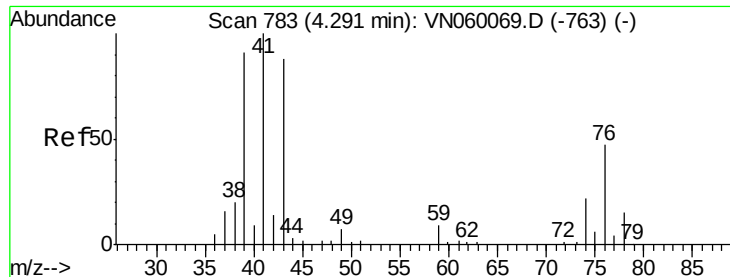
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->

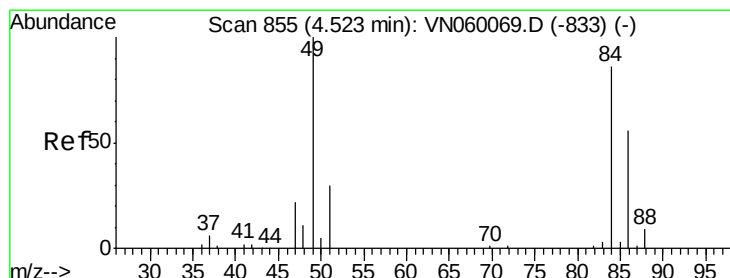
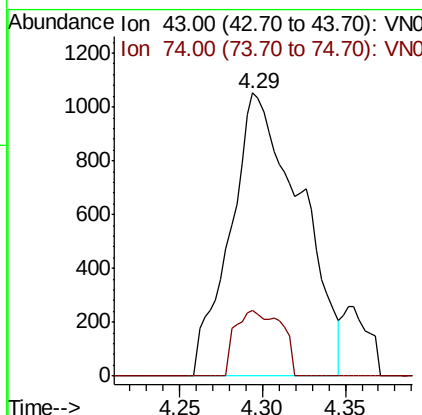
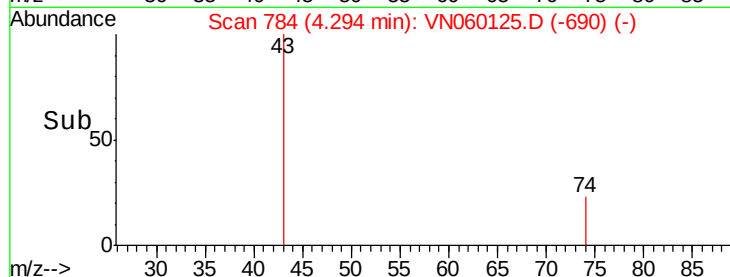
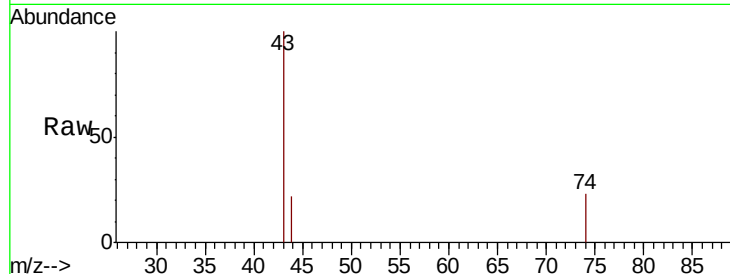




#18
Methyl Acetate
Concen: 1.737 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

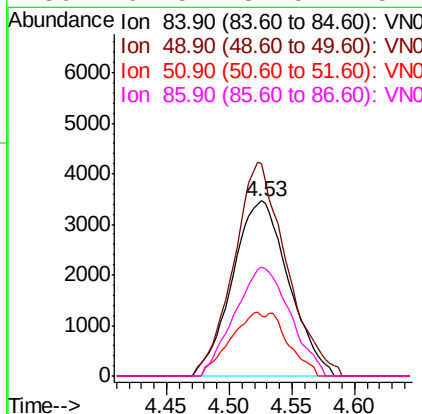
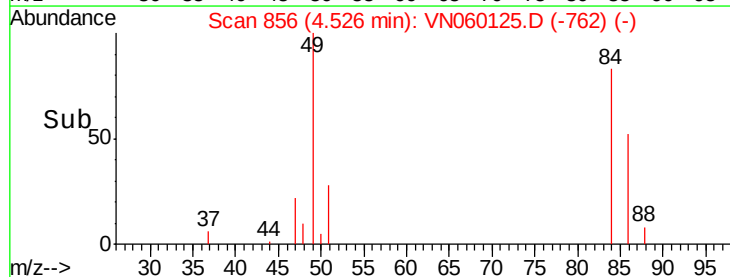
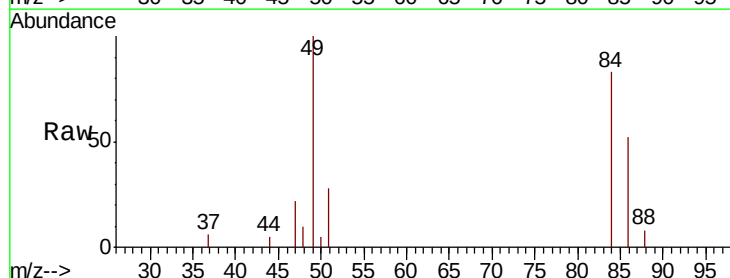
Instrument :
MSVOA_N
ClientSampleId :

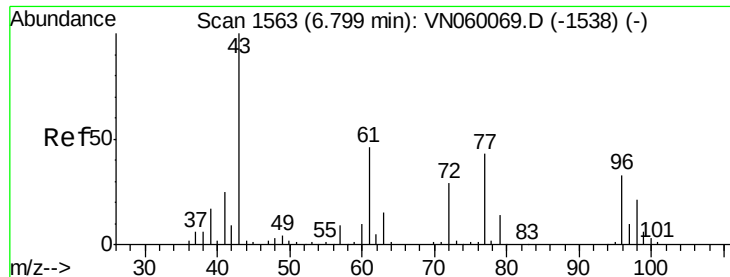
Tot Ion: 43 Resp: 3095
Ion Ratio Lower Upper
43 100
74 15.3 20.3 30.5#



#20
Methylene Chloride
Concen: 5.709 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Tgt Ion: 84 Resp: 10804
Ion Ratio Lower Upper
84 100
49 121.0 93.4 140.0
51 34.4 28.4 42.6
86 62.5 52.5 78.7

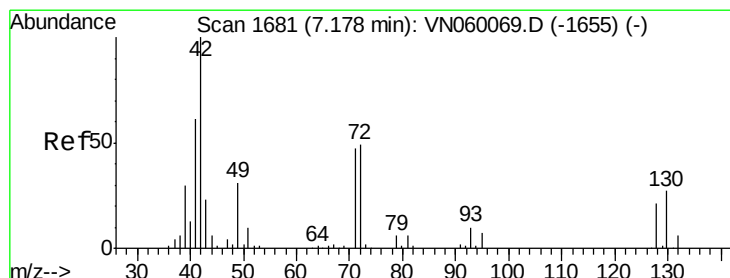
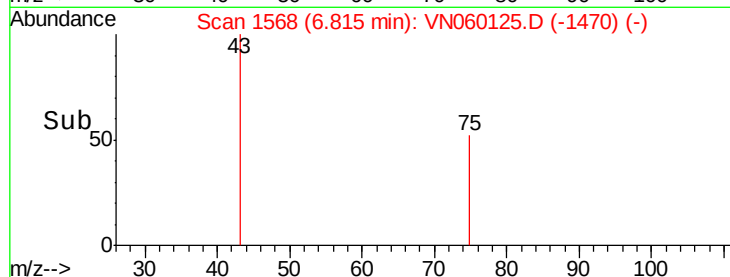
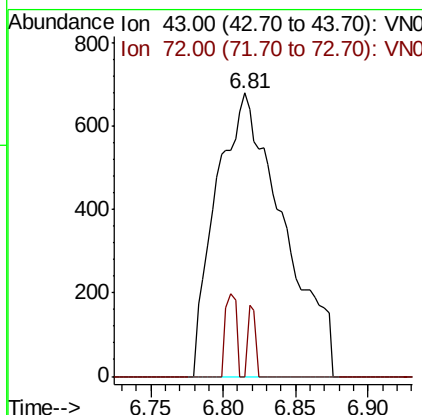
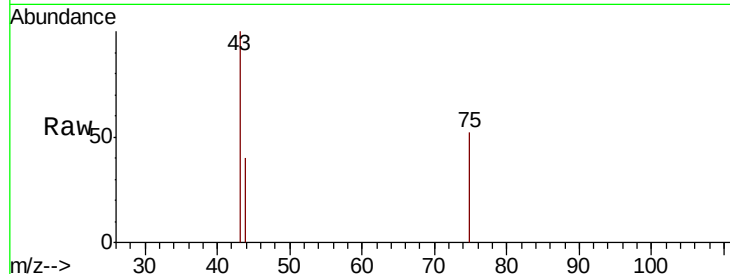




#25
2-Butanone
Concen: 1.830 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

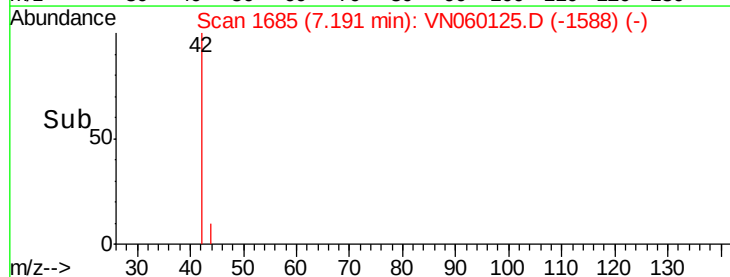
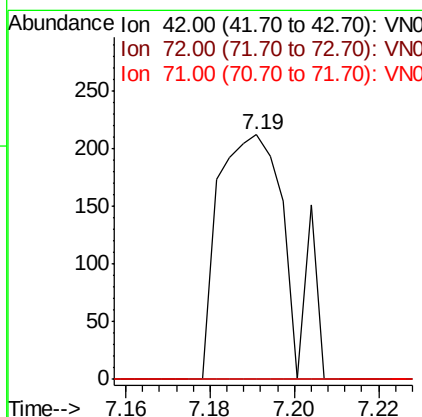
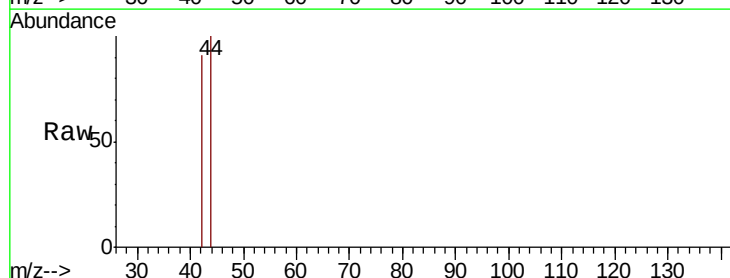
Instrument :
MSVOA_N
ClientSampled :

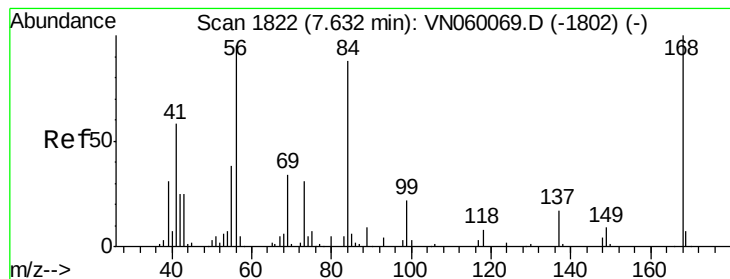
Tot Ion: 43 Resp: 2183
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#29
Tetrahydrofuran
Concen: 0.337 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Tgt Ion: 42 Resp: 247
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.4#
71 0.0 36.6 54.8#





#31

Cyclohexane

Concen: 1.255 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

ClientSampled :

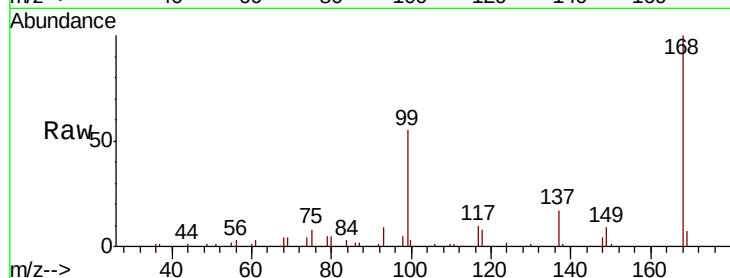
Tot Ion: 56 Resp: 3860

Ion Ratio Lower Upper

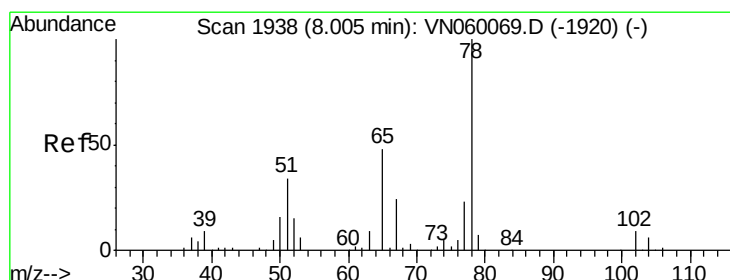
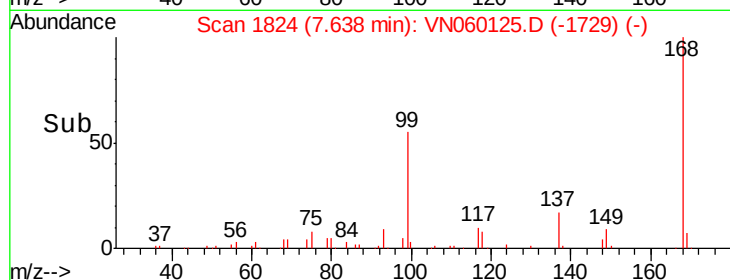
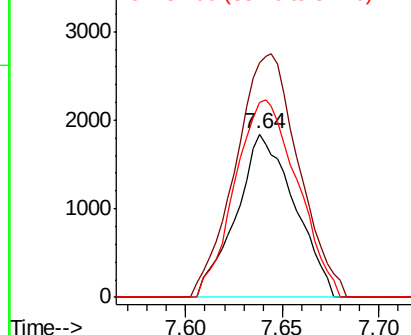
56 100

69 143.6 28.3 42.5#

84 118.9 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



#33

1,2-Dichloroethane-d4

Concen: 50.838 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060125.D

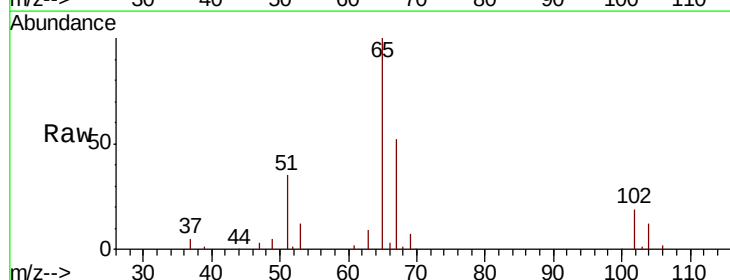
Acq: 17 Feb 2020 17:23

Tgt Ion: 65 Resp: 110560

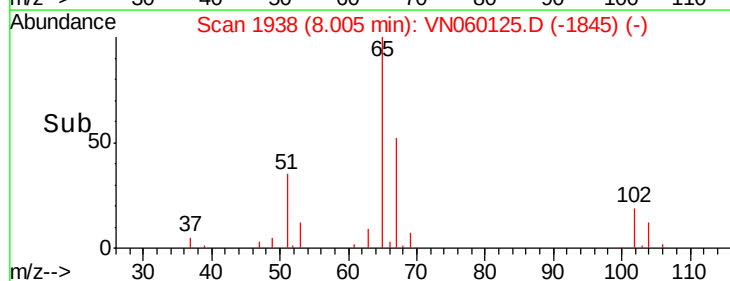
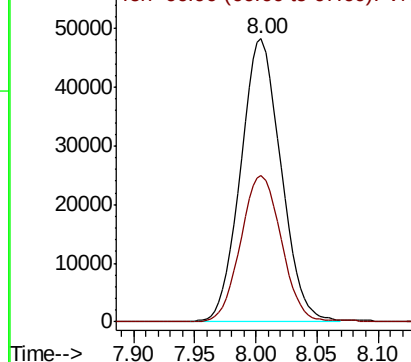
Ion Ratio Lower Upper

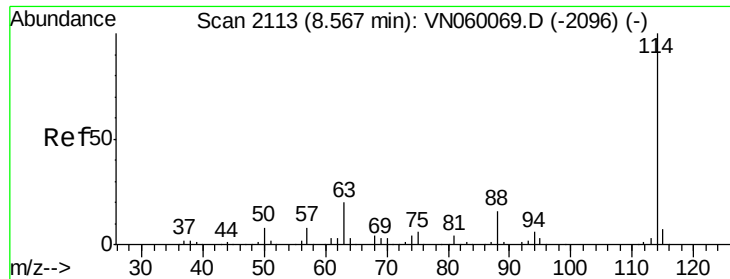
65 100

67 52.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

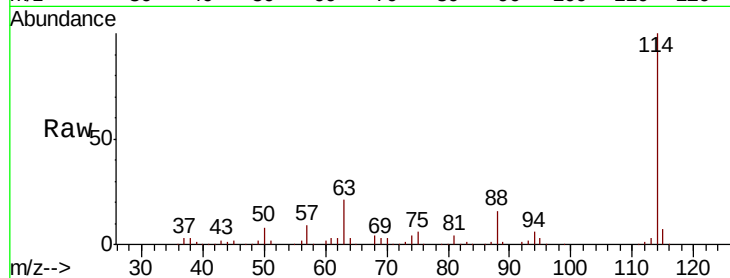




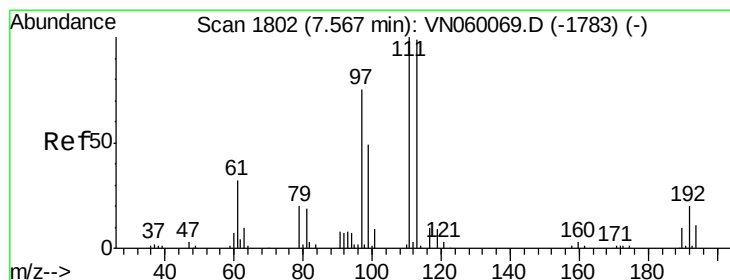
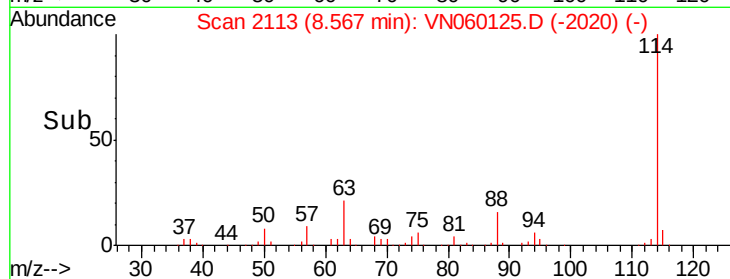
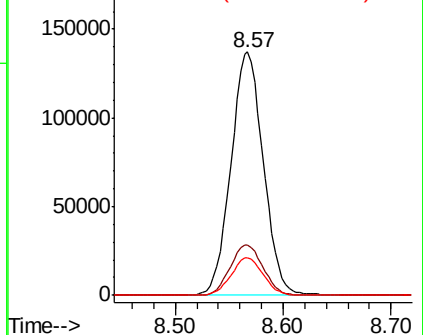
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 286858
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.0
88 15.5 0.0 31.6

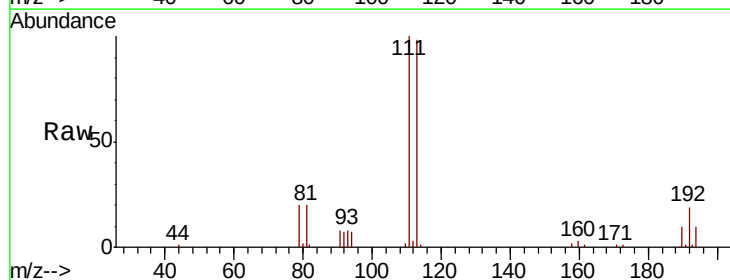


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

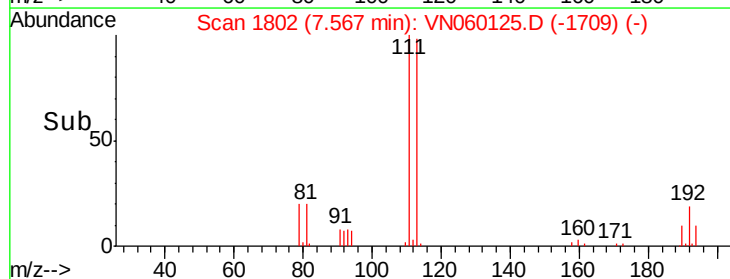
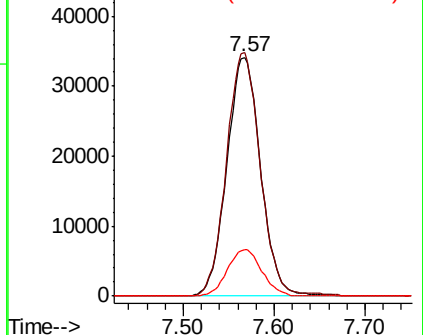


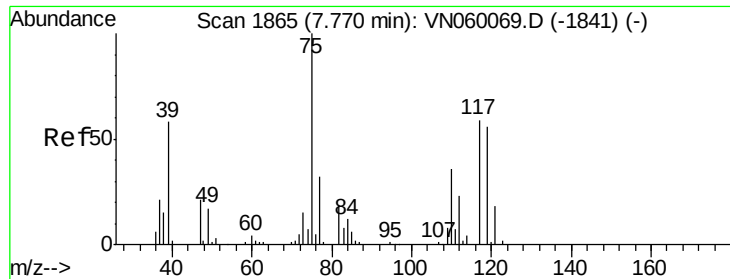
#35
Dibromofluoromethane
Concen: 49.807 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Tgt Ion:113 Resp: 87825
Ion Ratio Lower Upper
113 100
111 101.7 81.4 122.2
192 19.7 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

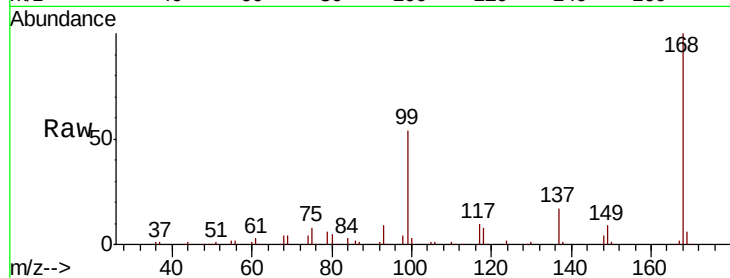




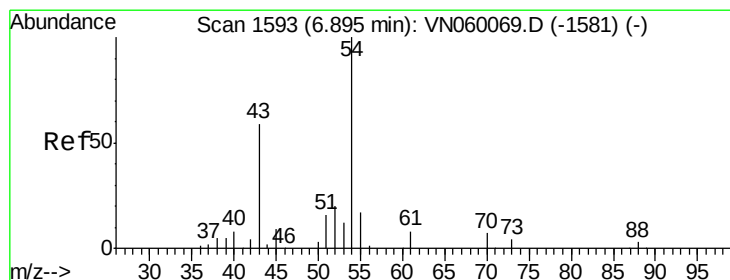
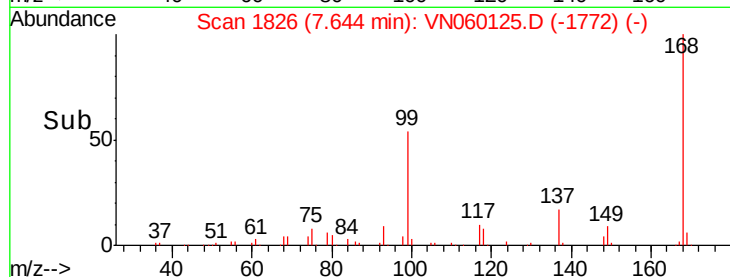
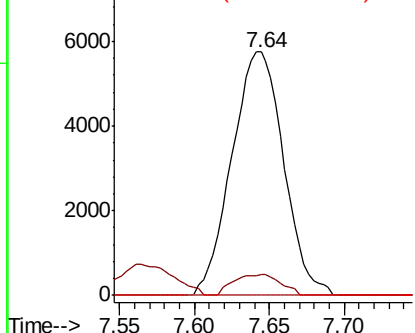
#36
 1,1-Dichloropropene
 Concen: 5.210 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060125.D
 Acq: 17 Feb 2020 17:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	13842
Ion Ratio	Lower	Upper	
75	100		
110	7.9	18.1	54.3#
77	0.0	25.1	37.7#

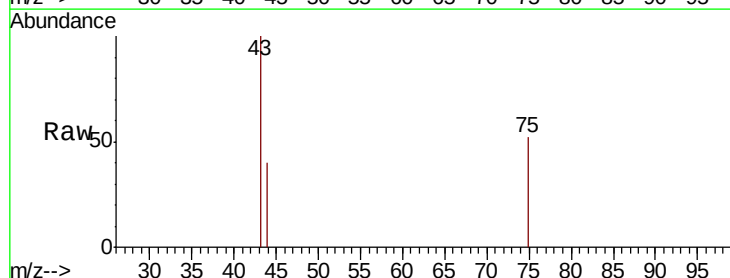


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

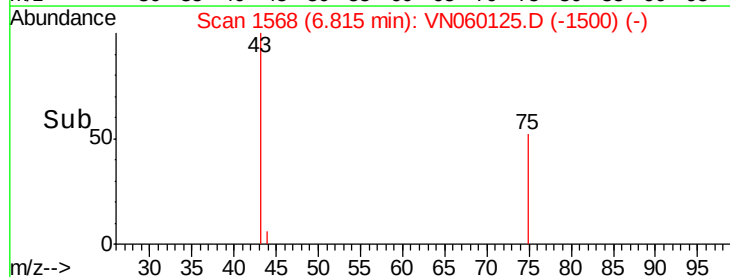
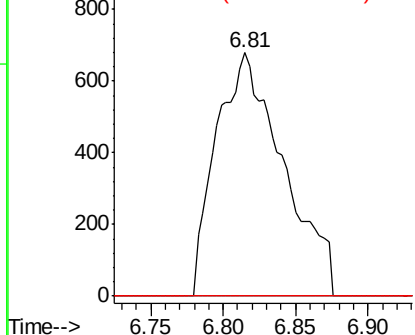


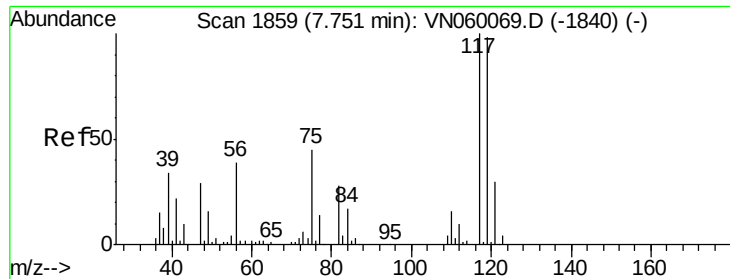
#37
 Ethyl Acetate
 Concen: 0.909 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.08 min
 Lab File: VN060125.D
 Acq: 17 Feb 2020 17:23

Tgt Ion	43	Resp	2183
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.4	17.2#
70	0.0	8.7	13.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

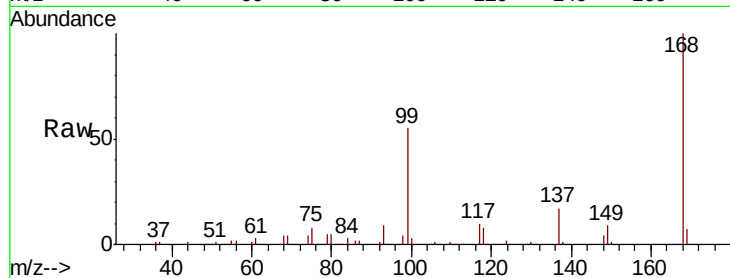




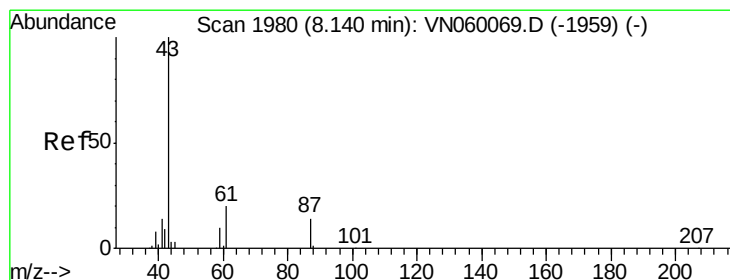
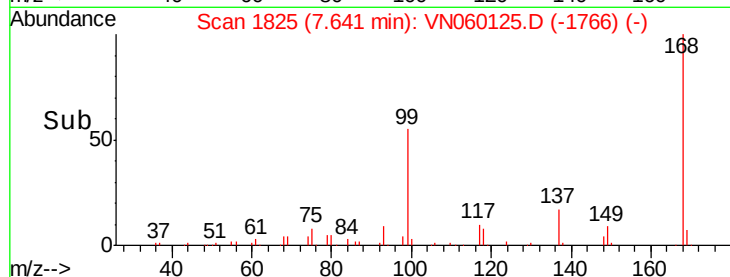
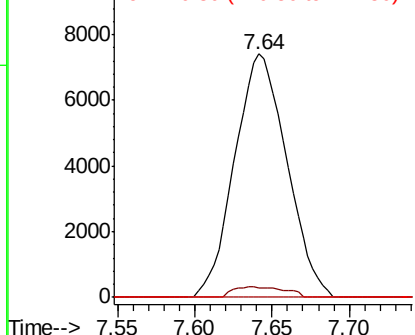
#38
Carbon Tetrachloride
Concen: 6.013 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17351
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.4#
121 0.0 24.2 36.2#

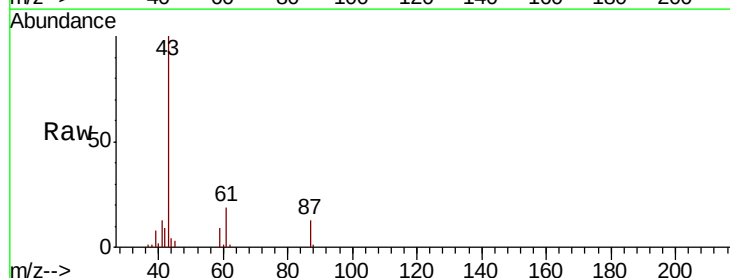


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

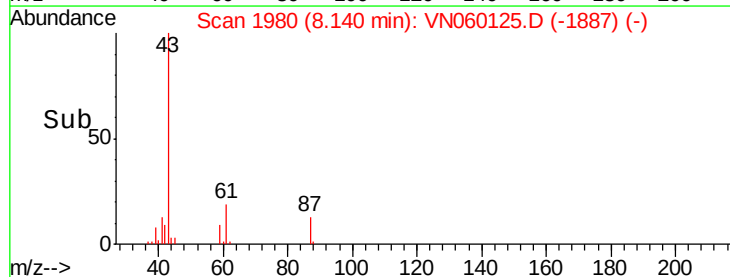
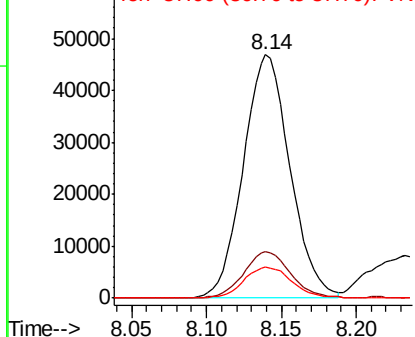


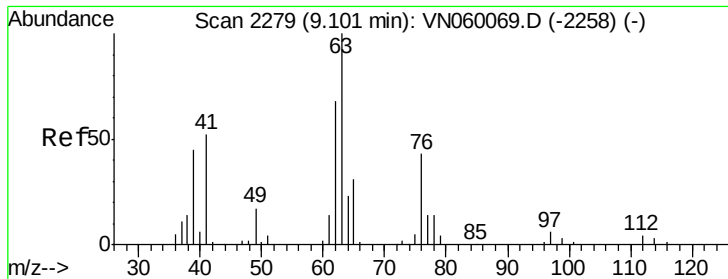
#43
Isopropyl Acetate
Concen: 24.812 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Tgt Ion: 43 Resp: 101850
Ion Ratio Lower Upper
43 100
61 19.0 21.8 32.6#
87 13.2 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

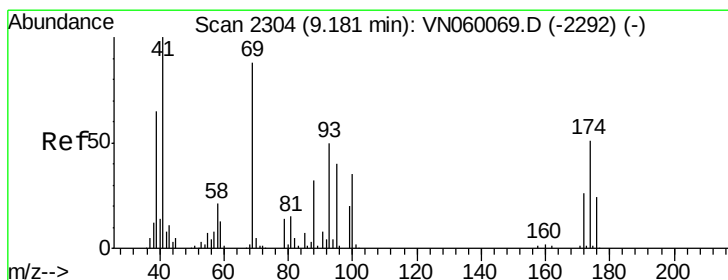
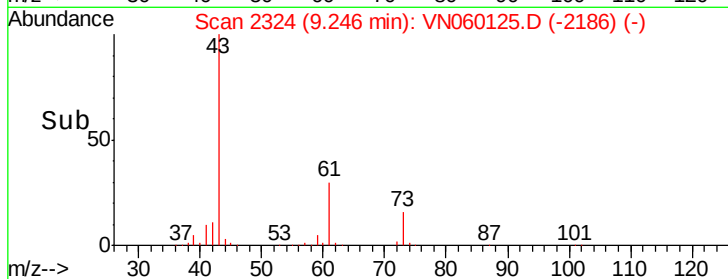
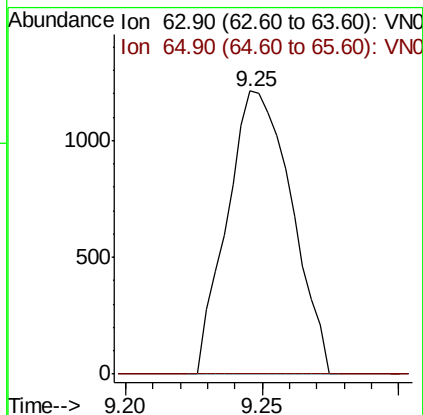
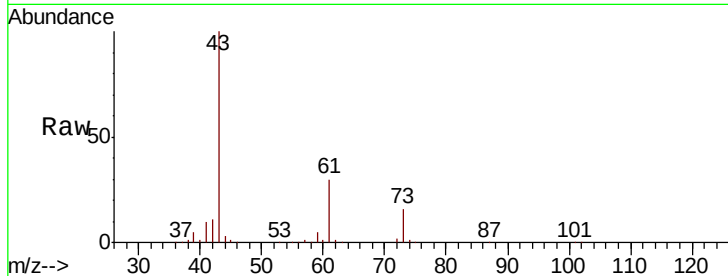




#45
 1,2-Dichloropropane
 Concen: 1.017 ug/l
 RT: 9.25 min Scan# 2324
 Delta R.T. 0.14 min
 Lab File: VN060125.D
 Acq: 17 Feb 2020 17:23

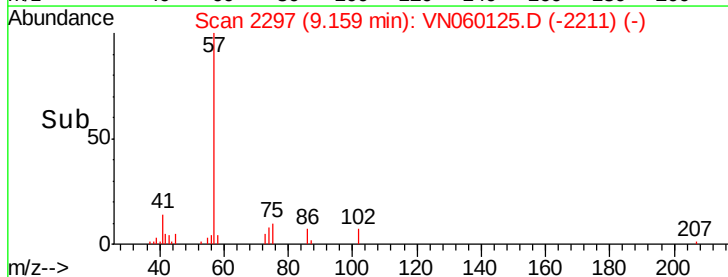
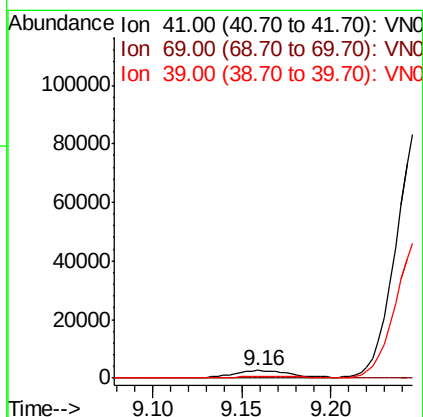
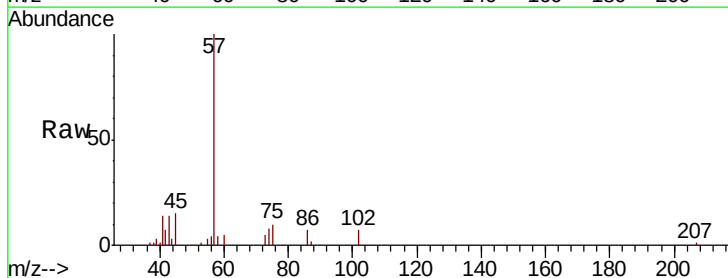
Instrument :
 MSVOA_N
 ClientSampled :

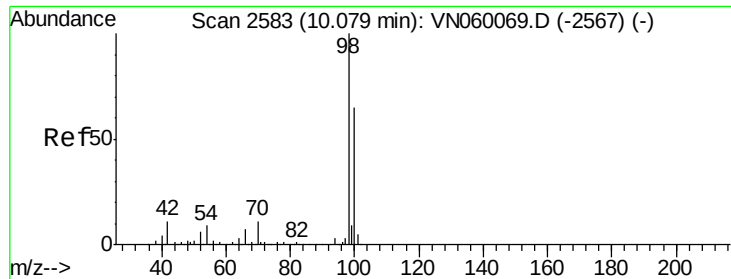
Tot Ion: 63 Resp: 1984
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 2.859 ug/l
 RT: 9.16 min Scan# 2297
 Delta R.T. -0.02 min
 Lab File: VN060125.D
 Acq: 17 Feb 2020 17:23

Tgt Ion: 41 Resp: 5265
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.0 108.0#
 39 0.0 54.1 81.1#

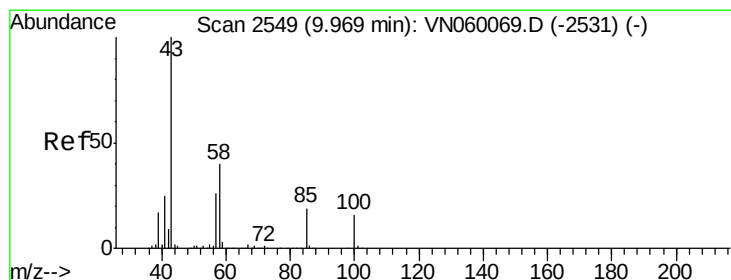
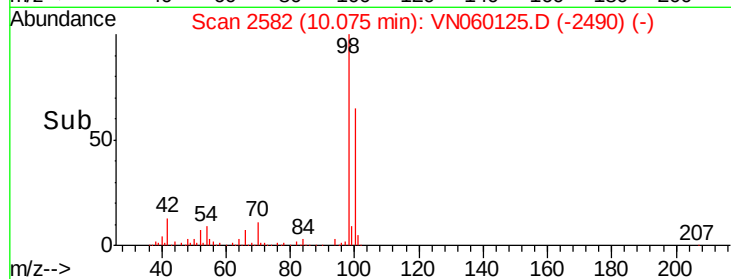
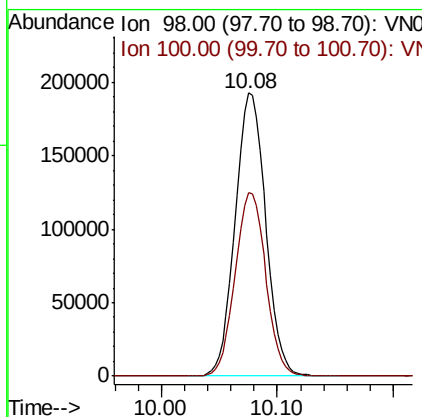
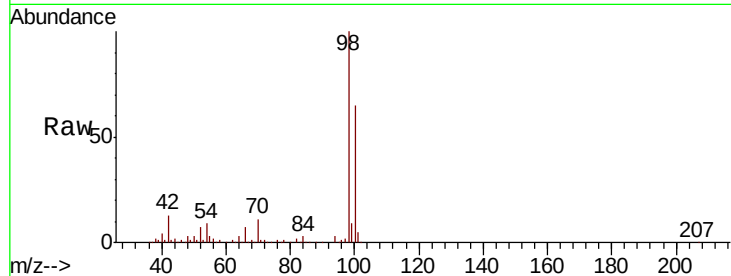




#50
Toluene-d8
Concen: 50.658 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

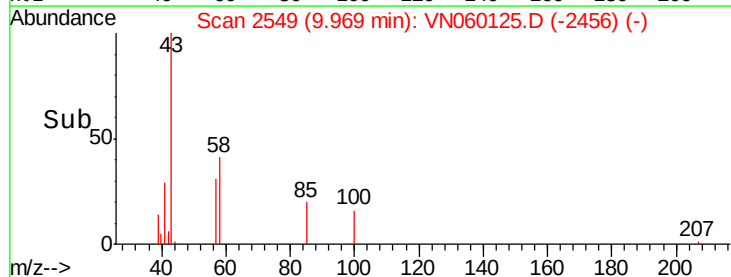
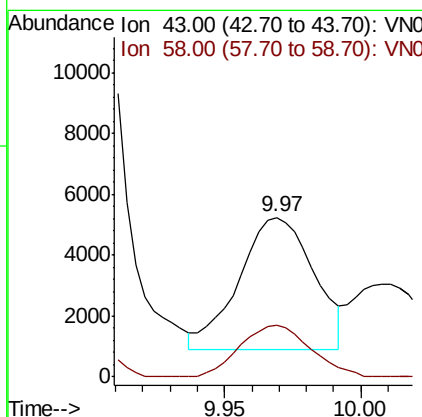
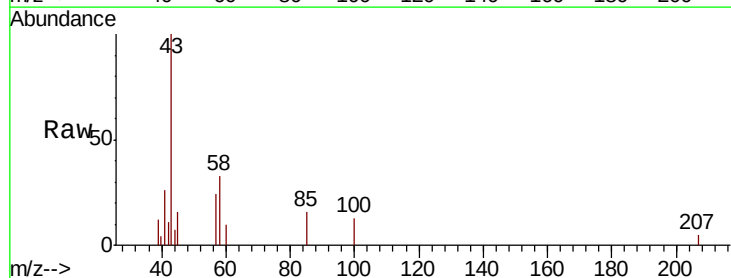
Instrument :
MSVOA_N
ClientSampled :

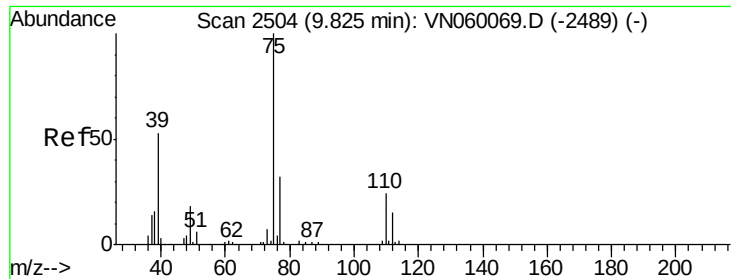
Tot Ion: 98 Resp: 351760
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 3.468 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Tgt Ion: 43 Resp: 8241
Ion Ratio Lower Upper
43 100
58 37.2 31.8 47.8





#54

cis-1,3-Dichloropropene

Concen: 13.406 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

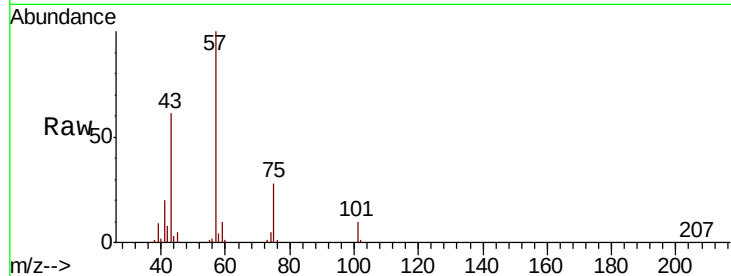
Tot Ion: 75 Resp: 44670

Ion Ratio Lower Upper

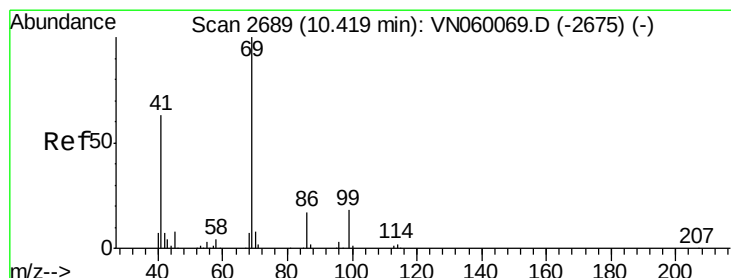
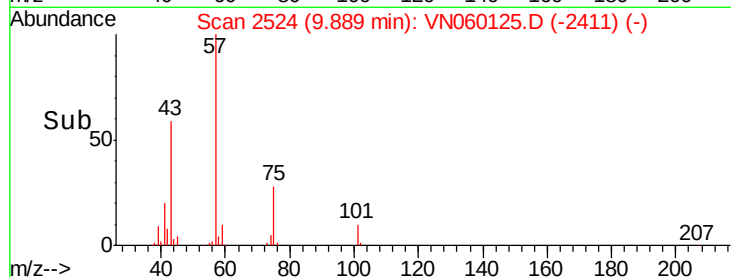
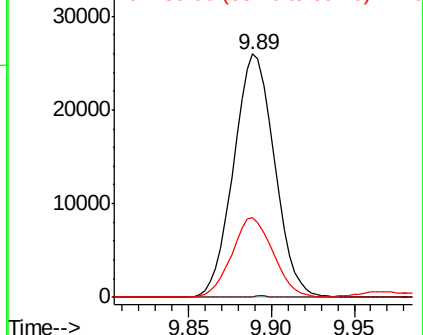
75 100

77 0.0 25.6 38.4#

39 32.9 42.2 63.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 0.326 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. 0.11 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

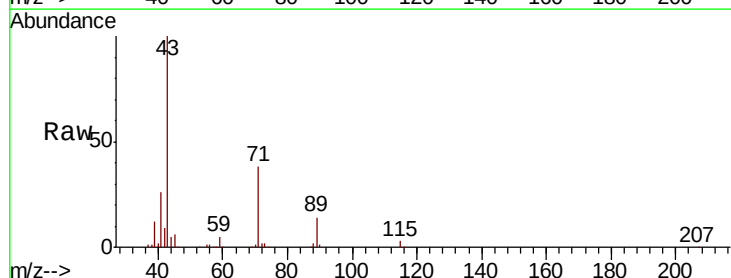
Tgt Ion: 69 Resp: 909

Ion Ratio Lower Upper

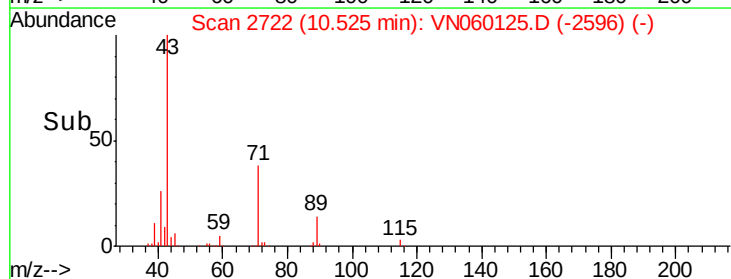
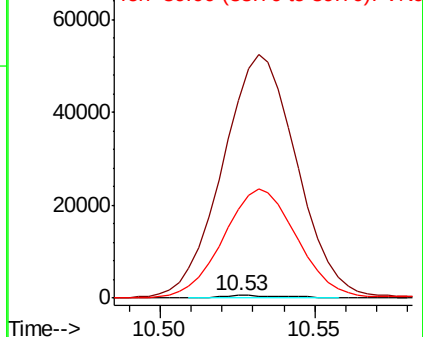
69 100

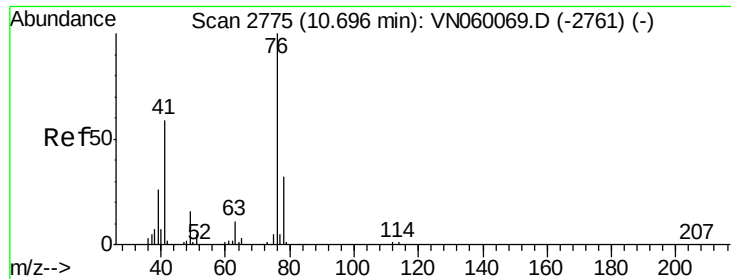
41 9729.9 51.1 76.7#

39 4346.1 33.8 50.8#



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

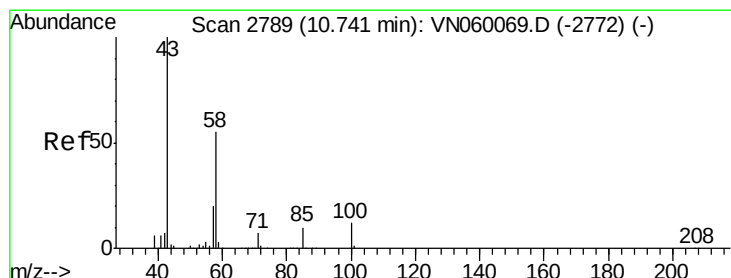
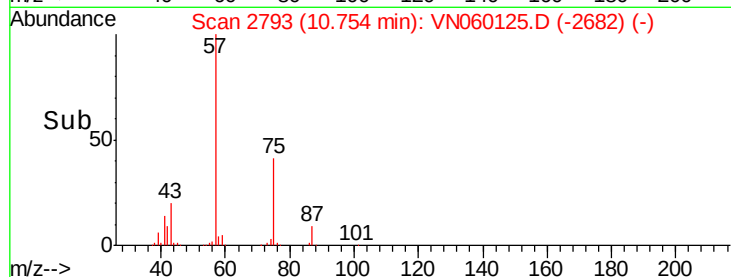
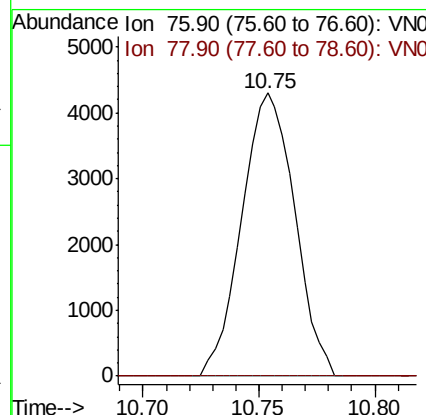
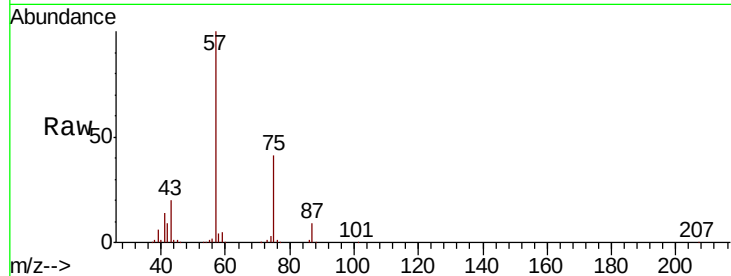




#57
 1,3-Dichloropropane
 Concen: 2.098 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060125.D
 Acq: 17 Feb 2020 17:23

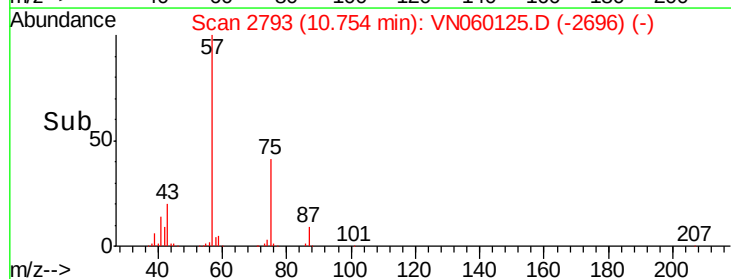
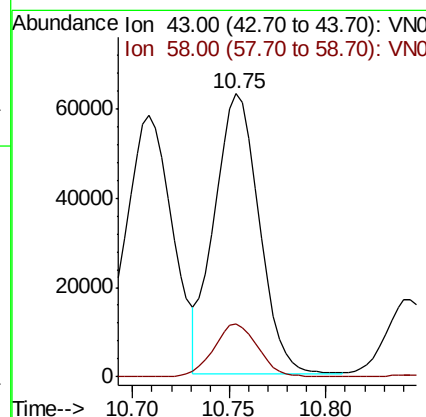
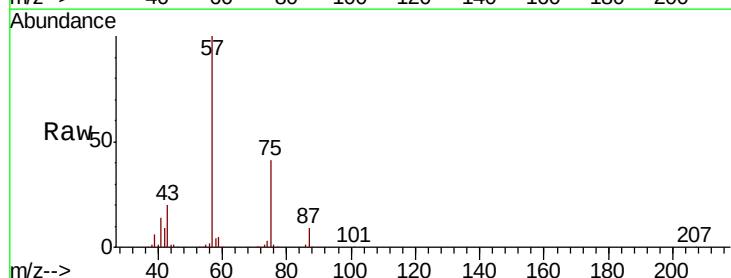
Instrument :
 MSVOA_N
 ClientSampleId :

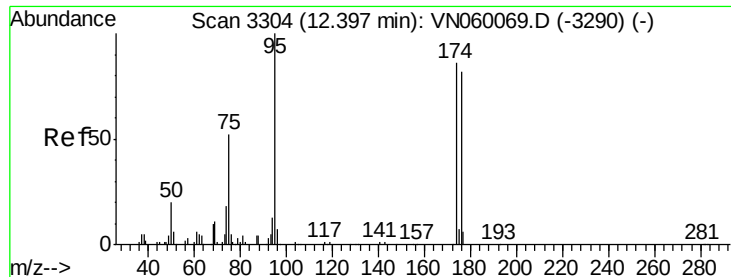
Tot Ion: 76 Resp: 6826
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 54.892 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060125.D
 Acq: 17 Feb 2020 17:23

Tgt Ion: 43 Resp: 100746
 Ion Ratio Lower Upper
 43 100
 58 18.8 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 51.151 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

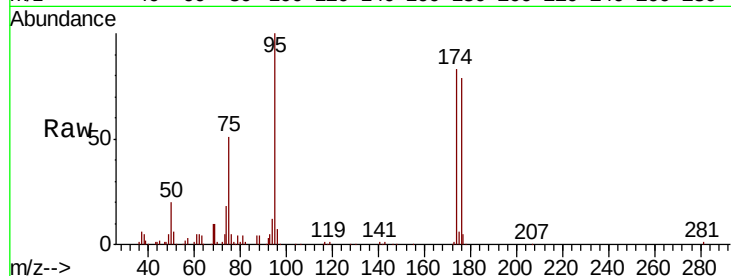
Tot Ion: 95 Resp: 130513

Ion Ratio Lower Upper

95 100

174 82.1 0.0 169.8

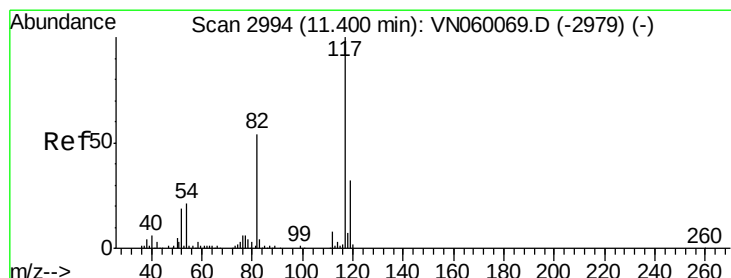
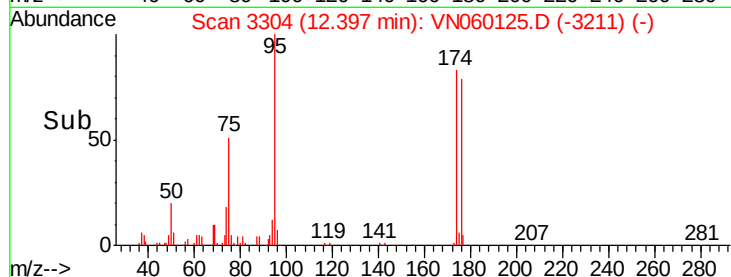
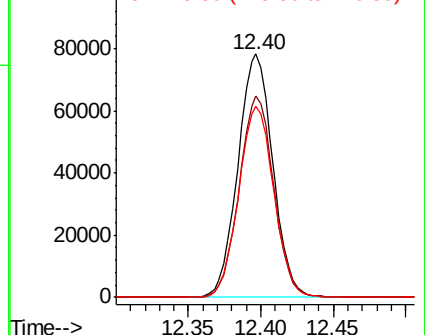
176 79.4 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

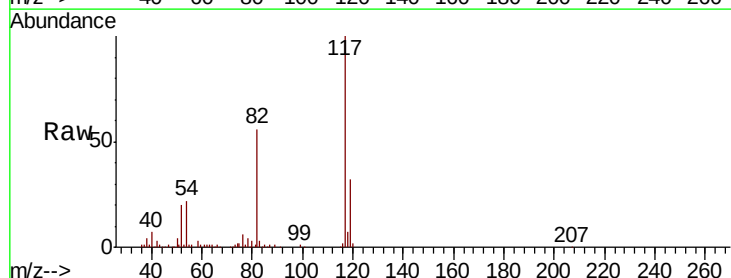
Tgt Ion: 117 Resp: 272674

Ion Ratio Lower Upper

117 100

82 55.7 43.4 65.0

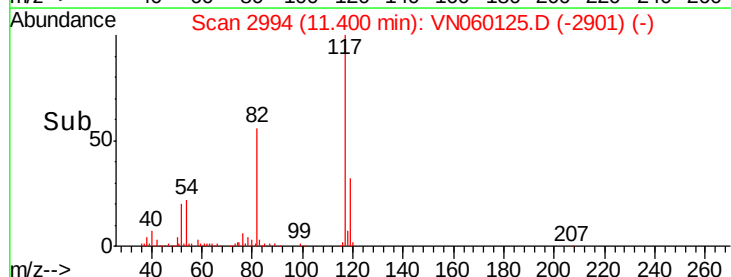
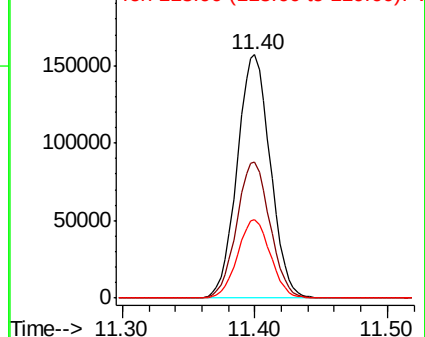
119 32.4 25.8 38.6

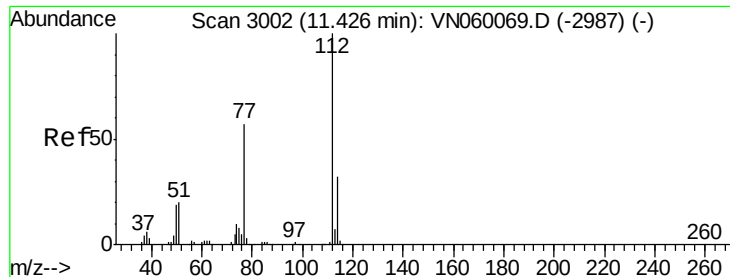


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)

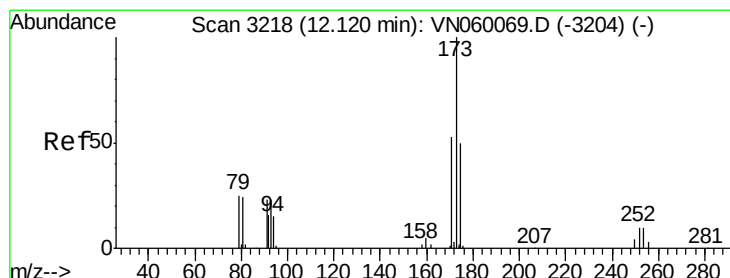
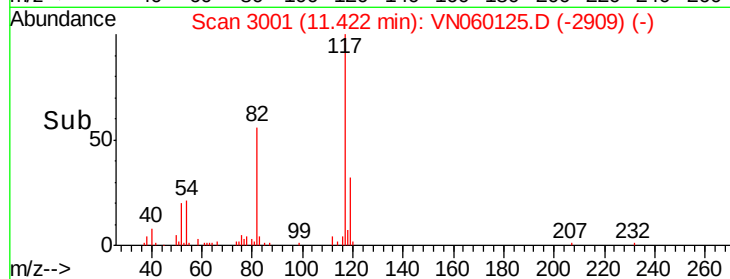
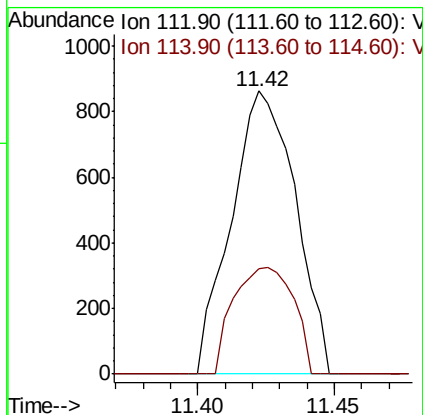
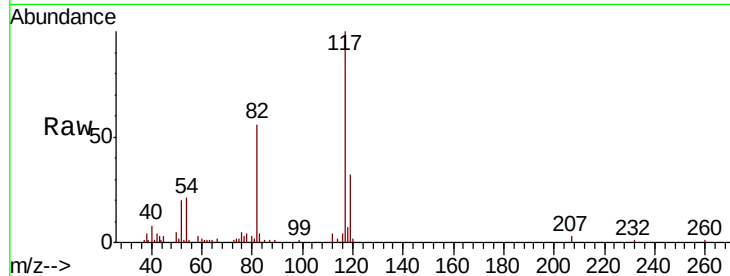




#65
Chlorobenzene
Concen: 0.254 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

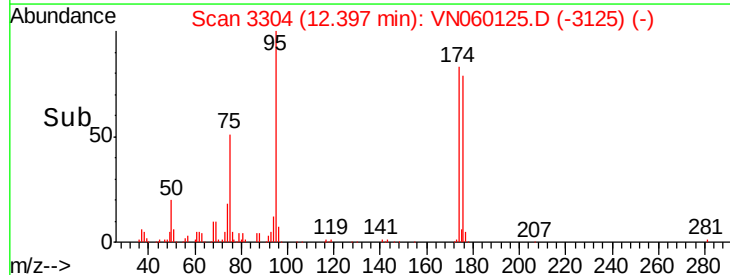
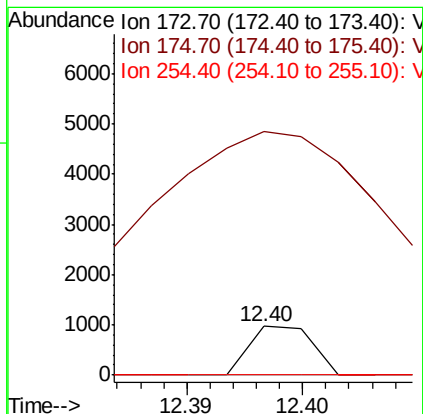
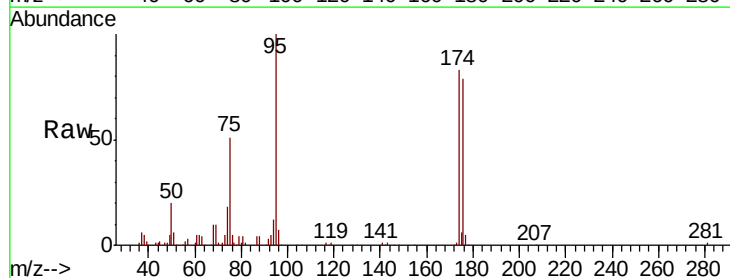
Instrument :
MSVOA_N
ClientSampleId :

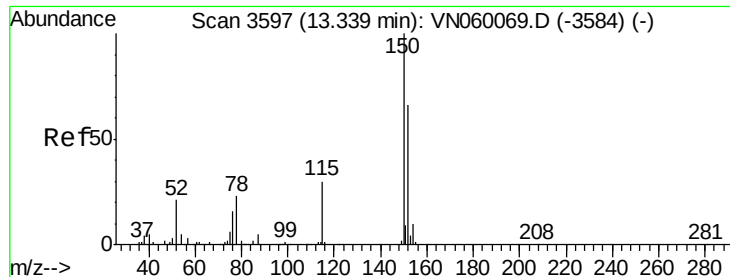
Tot Ion:112 Resp: 1411
Ion Ratio Lower Upper
112 100
114 37.1 25.4 38.0



#71
Bromoform
Concen: 0.218 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060125.D
Acq: 17 Feb 2020 17:23

Tgt Ion:173 Resp: 368
Ion Ratio Lower Upper
173 100
175 1860.3 24.9 74.6#
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: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

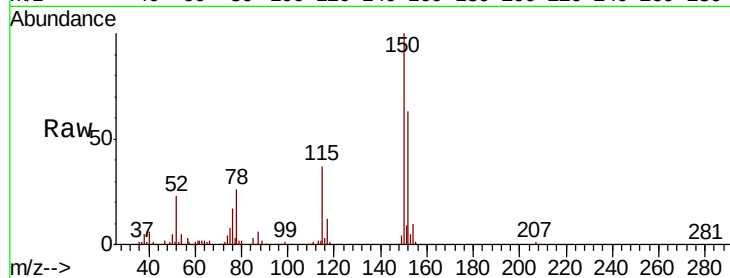
Tot Ion:152 Resp: 124972

Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.8

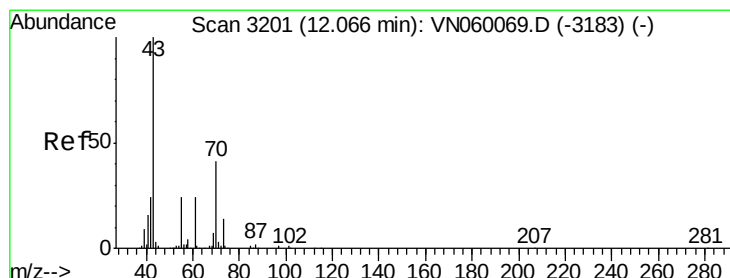
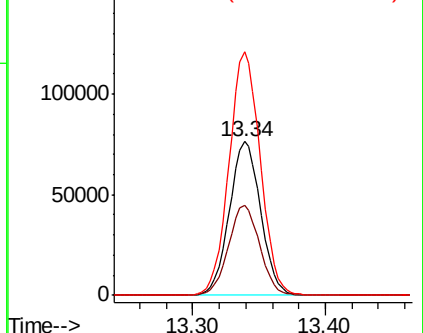
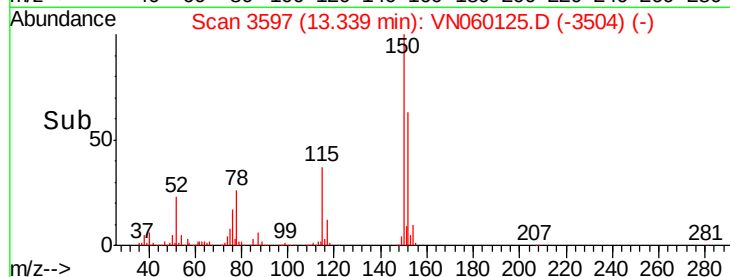
150 158.5 0.0 342.4



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: 1.591 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

Tgt Ion: 43 Resp: 5354

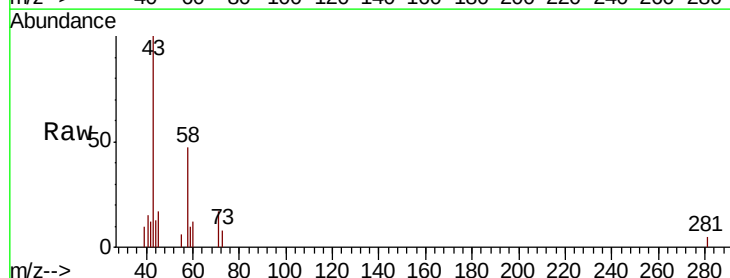
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 1.9 18.8 28.2#

61 0.0 19.2 28.8#

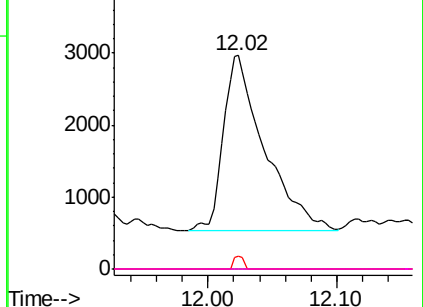
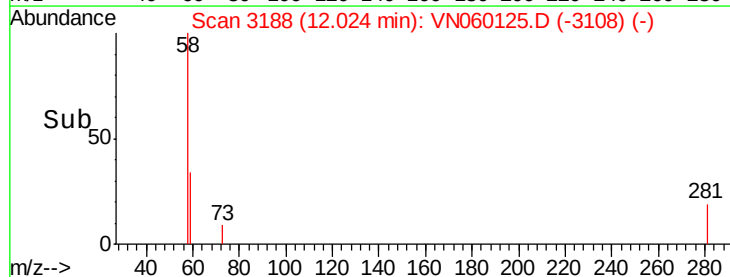


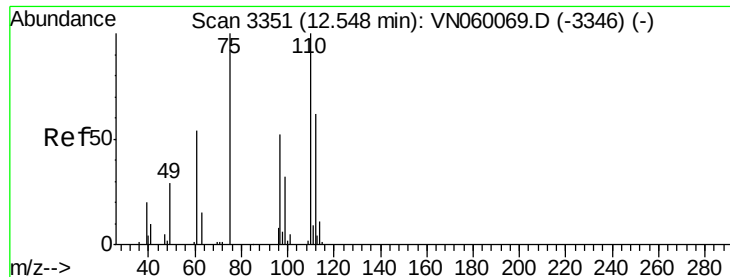
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.226 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

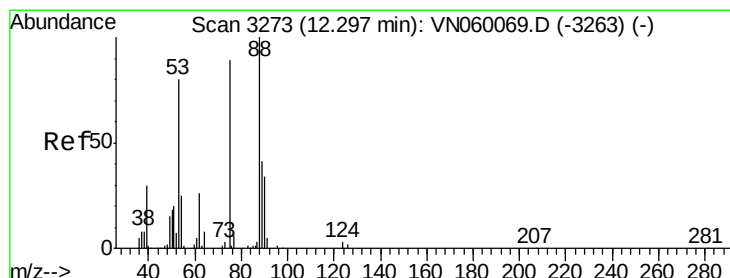
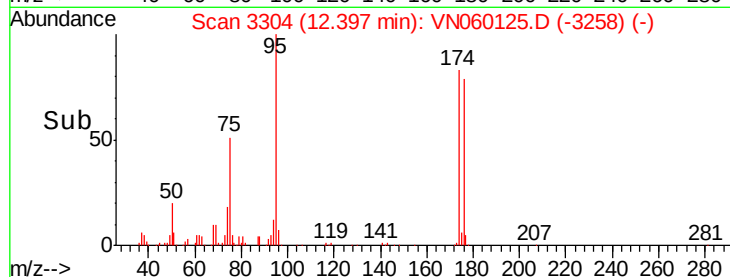
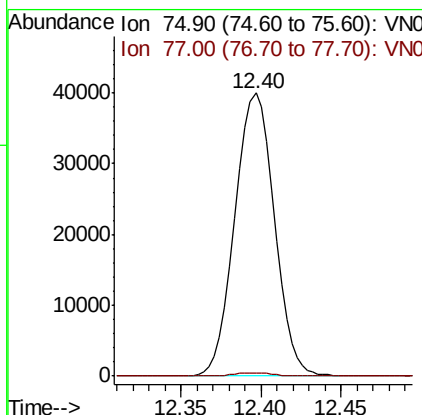
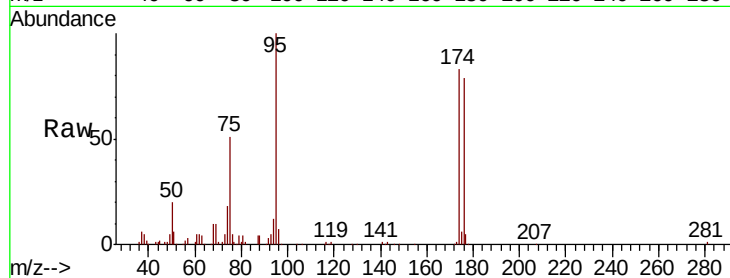
ClientSampleId :

Tot Ion: 75 Resp: 67488

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.112 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

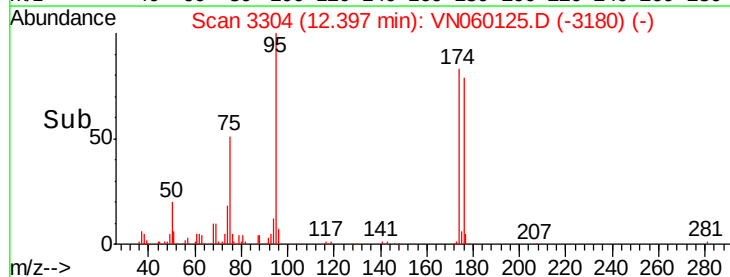
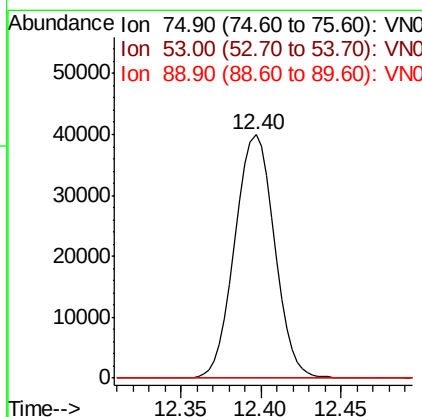
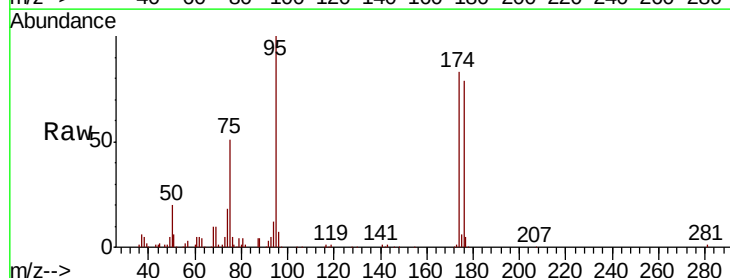
Tgt Ion: 75 Resp: 67488

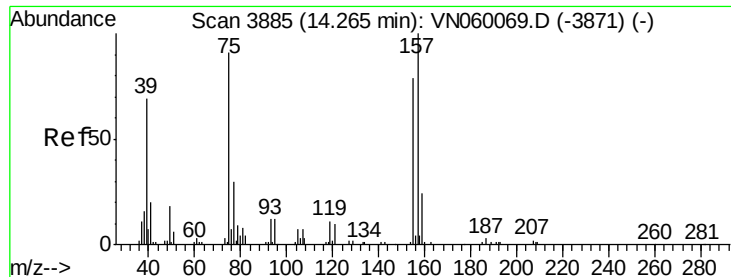
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN060125.D

Acq: 17 Feb 2020 17:23

Instrument :

MSVOA_N

ClientSampleId :

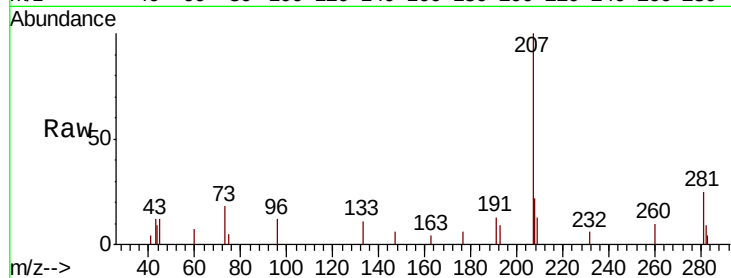
Tot Ion: 75 Resp: 101

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): VN060125.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060125.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060125.D (-3791) (-)

