

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060095.D
 Acq On : 13 Feb 2020 15:22
 Operator : JC/MD
 Sample : PB126782ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:57:06 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	187102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	296010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125034	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	111027	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
35) Dibromofluoromethane	7.57	113	90310	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	10.08	98	360324	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	127763	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

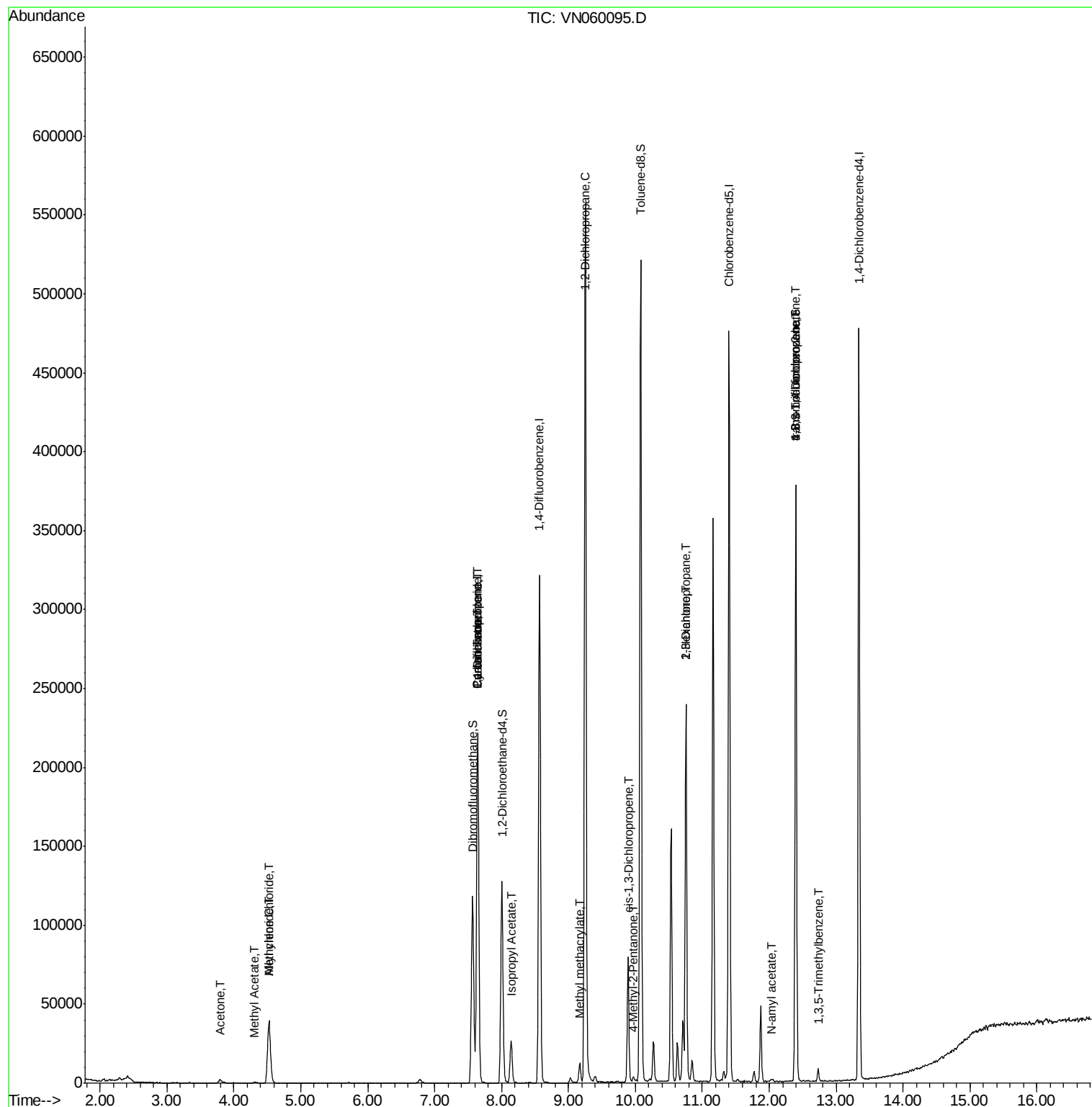
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.53	41	812	0.312	ug/l #	16
16) Acetone	3.79	43	3818	3.845	ug/l	96
18) Methyl Acetate	4.31	43	751	0.403	ug/l #	76
20) Methylene Chloride	4.52	84	31217	15.756	ug/l	98
31) Cyclohexane	7.65	56	3598	1.117	ug/l #	22
36) 1,1-Dichloropropene	7.64	75	13813	5.038	ug/l #	44
38) Carbon Tetrachloride	7.64	117	18074	6.070	ug/l #	15
43) Isopropyl Acetate	8.14	43	31915	7.535	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	547	0.272	ug/l #	43
48) Methyl methacrylate	9.16	41	1680	0.884	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2307	0.941	ug/l	88
54) cis-1,3-Dichloropropene	9.89	75	14591	4.243	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	2742	0.817	ug/l #	43
59) 2-Hexanone	10.75	43	34698	18.321	ug/l #	51
74) N-amyl acetate	12.03	43	1327	0.394	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	65455	27.362	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5040	0.649	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	65455	66.996	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	59	Below Cal	#	1

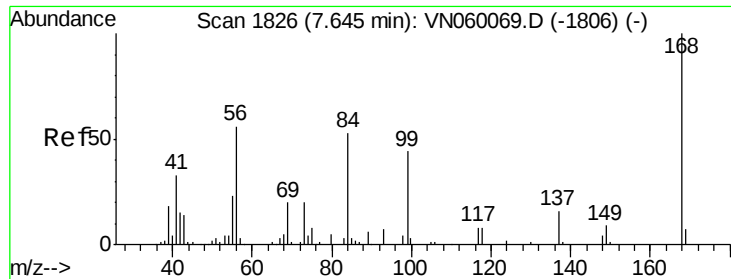
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 14 04:57:06 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: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

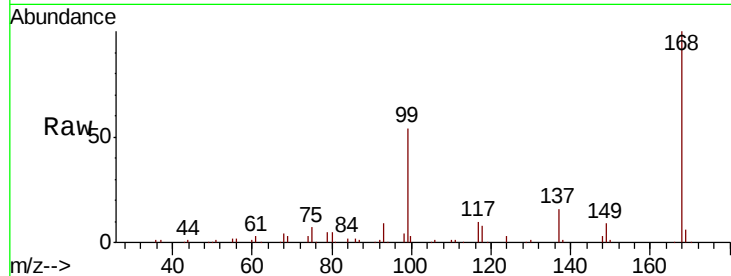
ClientSampled :

Tot Ion:168 Resp: 187102

Ion Ratio Lower Upper

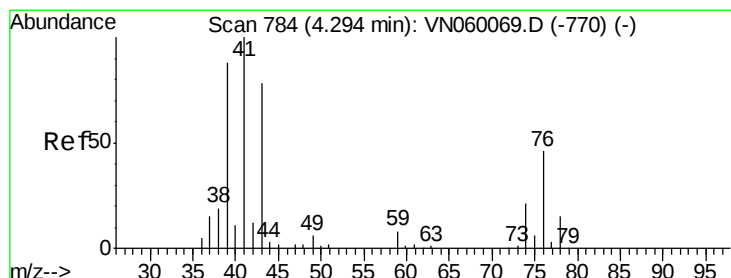
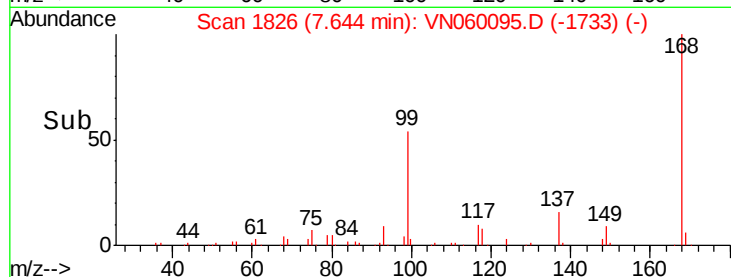
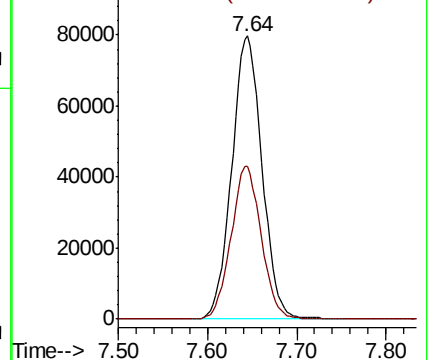
168 100

99 54.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#14

Allyl chloride

Concen: 0.312 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.23 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

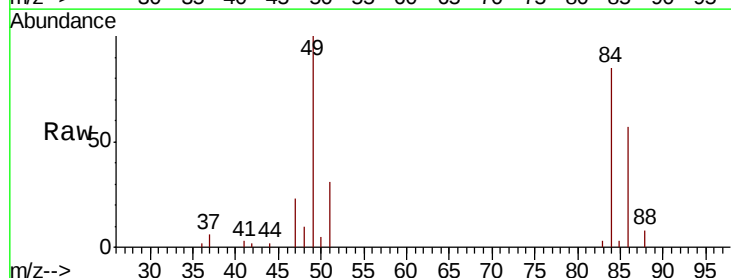
Tgt Ion: 41 Resp: 812

Ion Ratio Lower Upper

41 100

39 0.0 67.8 101.8#

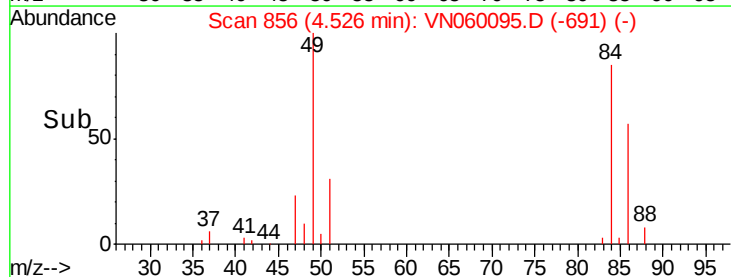
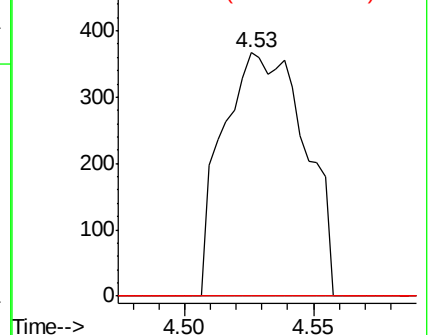
76 0.0 33.9 50.9#

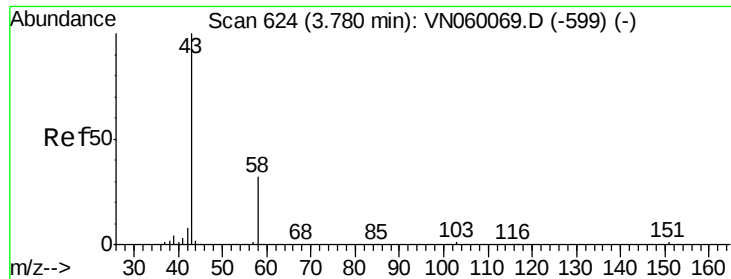


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN





#16

Acetone

Concen: 3.845 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

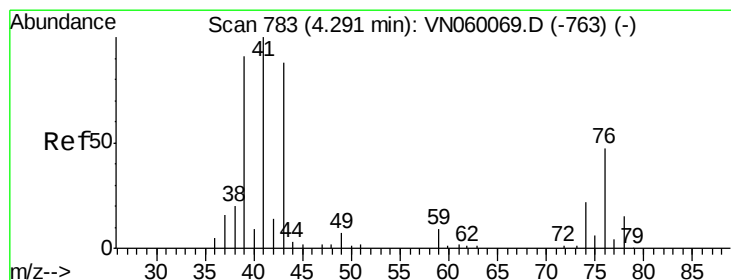
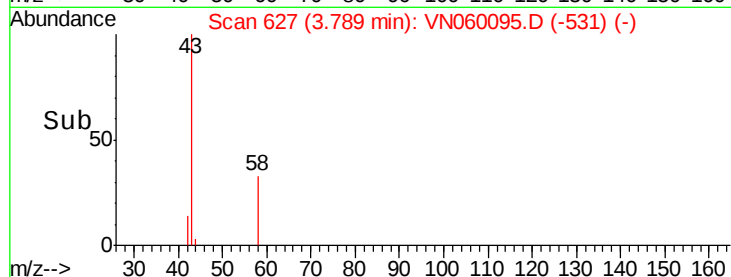
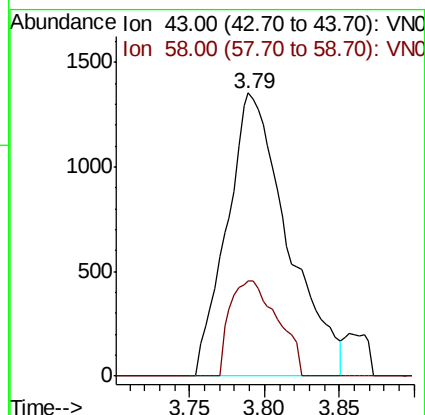
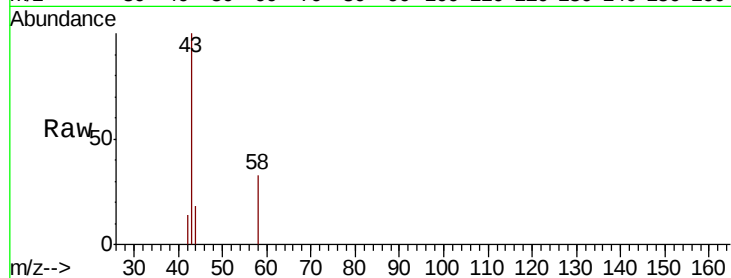
ClientSampled :

Tot Ion: 43 Resp: 3818

Ion Ratio Lower Upper

43 100

58 33.5 25.2 37.8



#18

Methyl Acetate

Concen: 0.403 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN060095.D

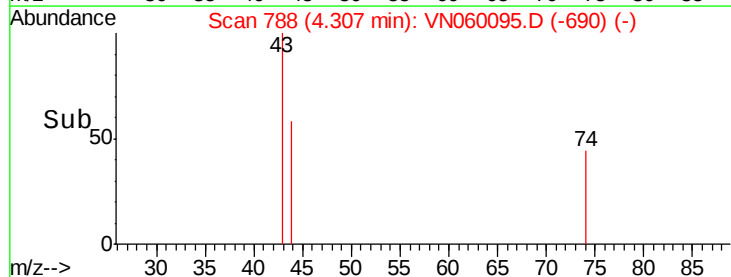
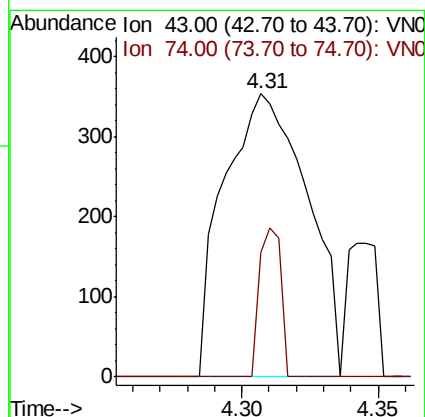
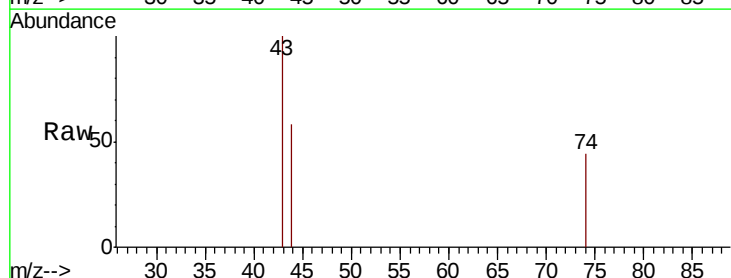
Acq: 13 Feb 2020 15:22

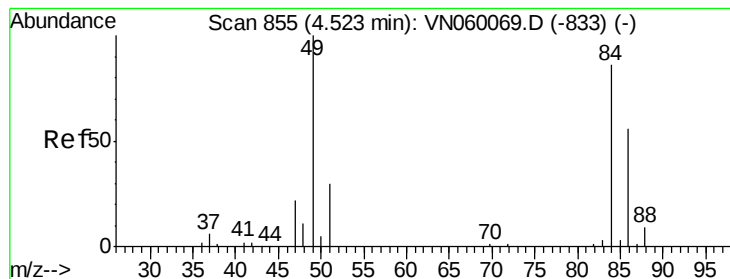
Tgt Ion: 43 Resp: 751

Ion Ratio Lower Upper

43 100

74 13.2 20.3 30.5#





#20

Methylene Chloride

Concen: 15.756 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 31217

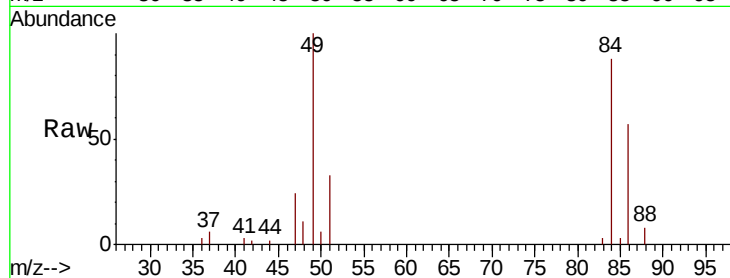
Ion Ratio Lower Upper

84 100

49 113.1 93.4 140.0

51 36.9 28.4 42.6

86 64.9 52.5 78.7

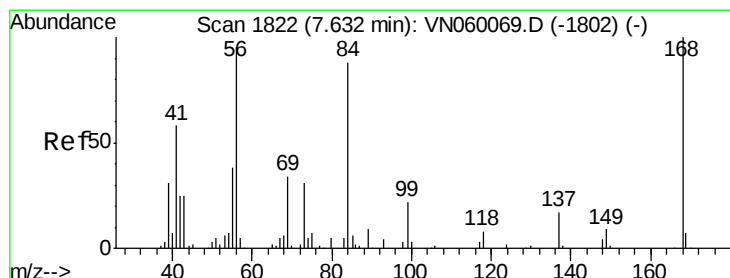
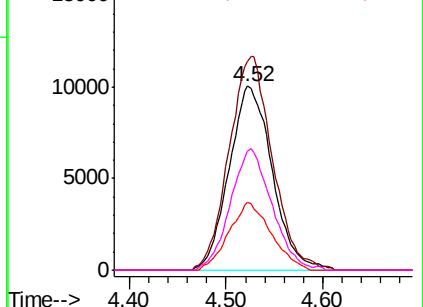
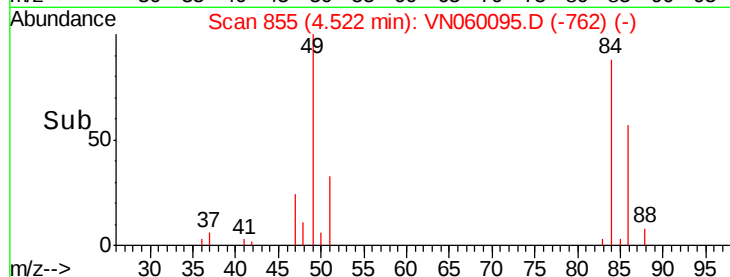


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

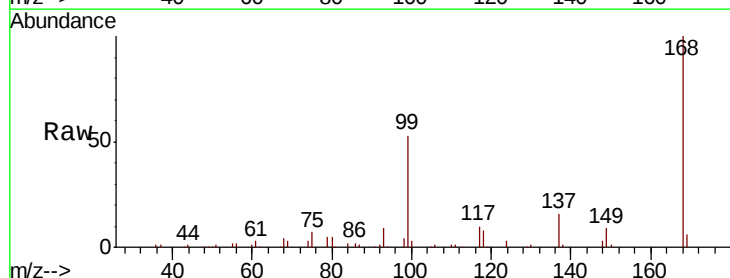
Tgt Ion: 56 Resp: 3598

Ion Ratio Lower Upper

56 100

69 157.1 28.3 42.5#

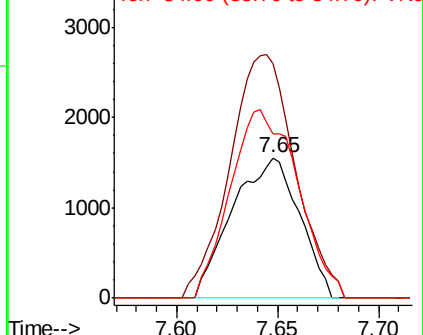
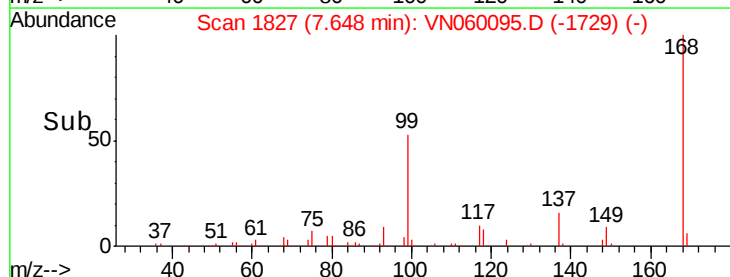
84 116.7 72.6 108.8#

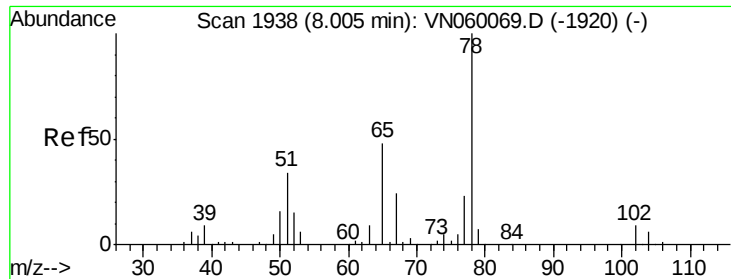


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

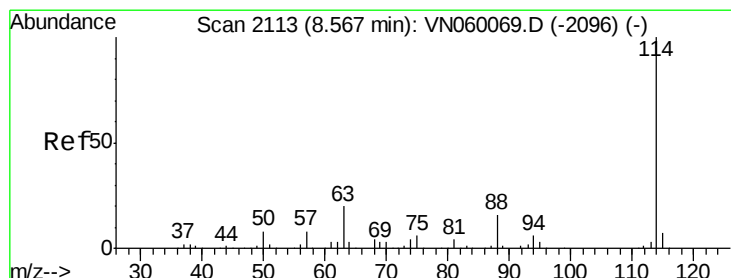
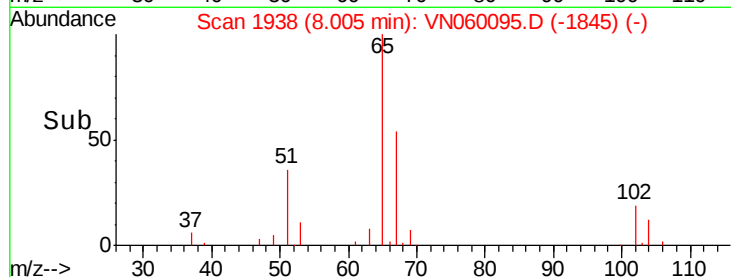
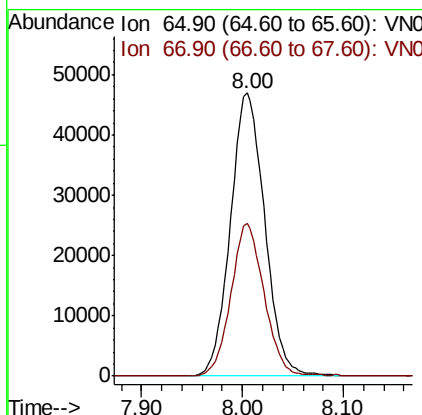
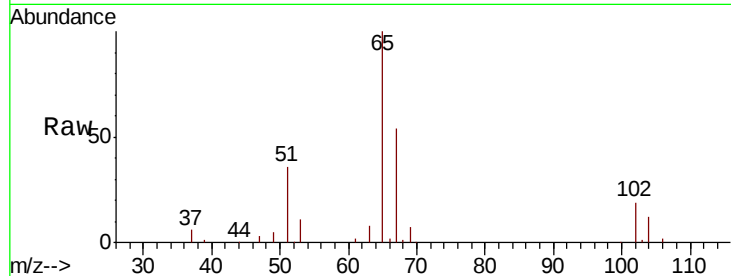




#33
 1,2-Dichloroethane-d4
 Concen: 48.766 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

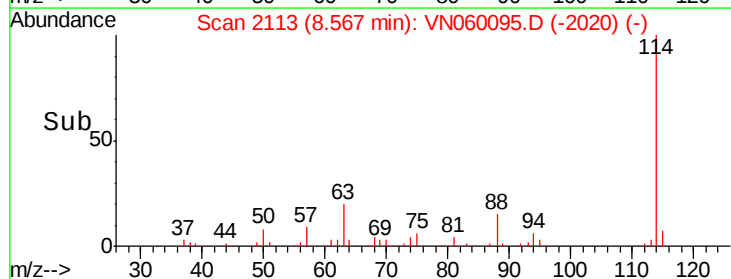
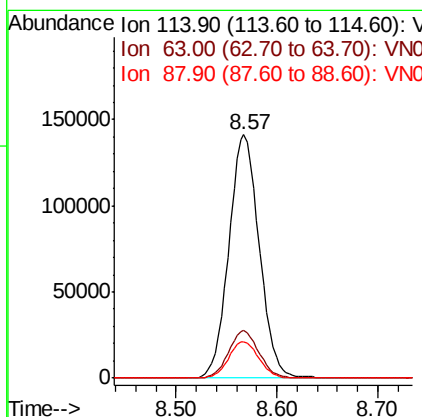
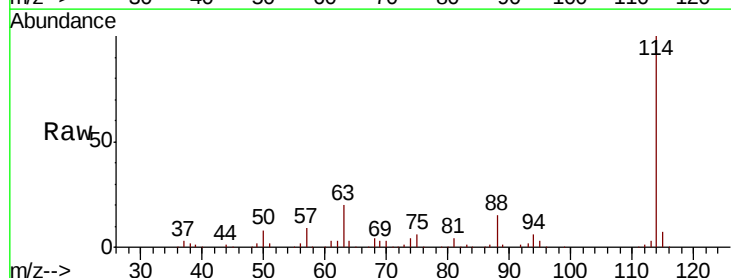
Instrument :
 MSVOA_N
 ClientSampled :

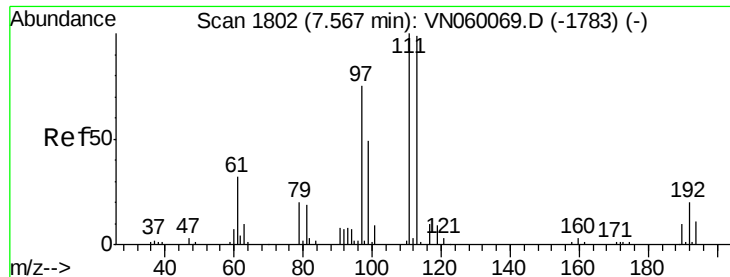
Tot Ion: 65 Resp: 111027
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

Tgt Ion: 114 Resp: 296010
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.9 0.0 31.6

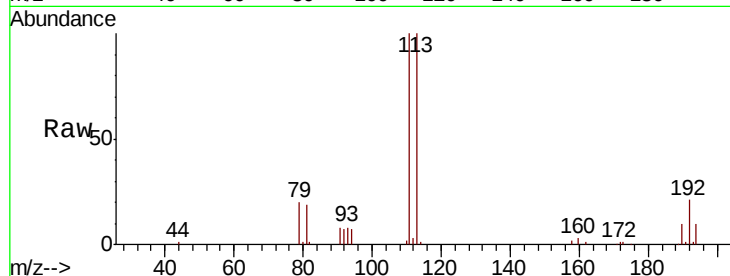




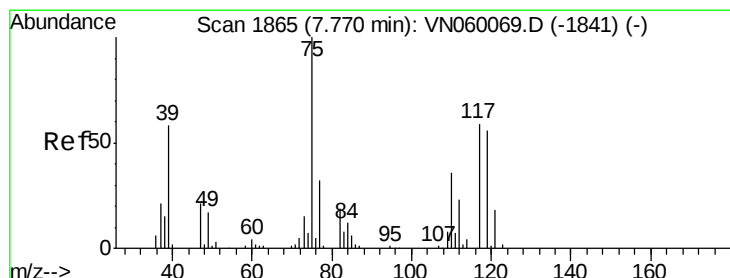
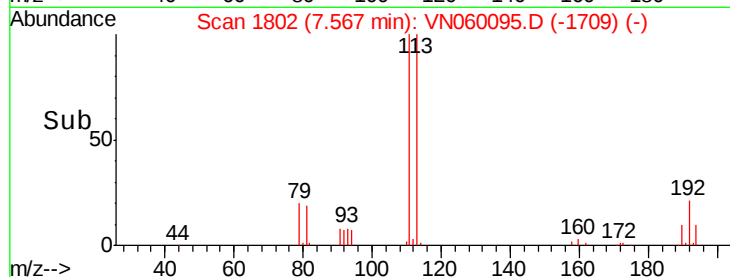
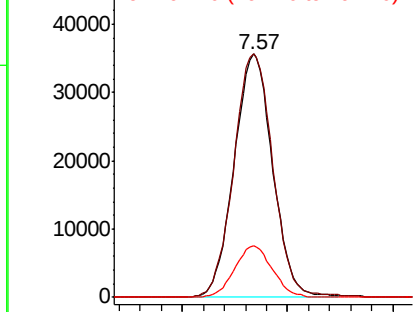
#35
 Dibromofluoromethane
 Concen: 49.632 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 90310
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.2
 192 20.6 16.2 24.2

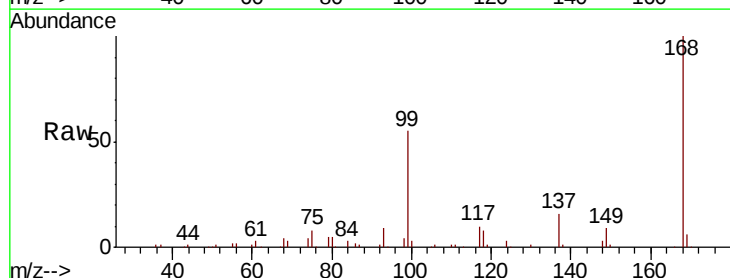


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

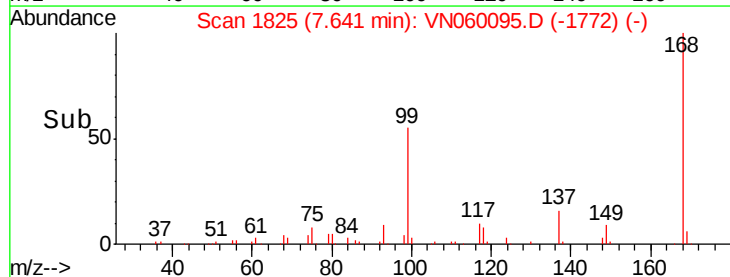
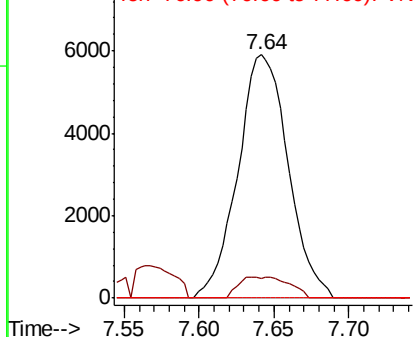


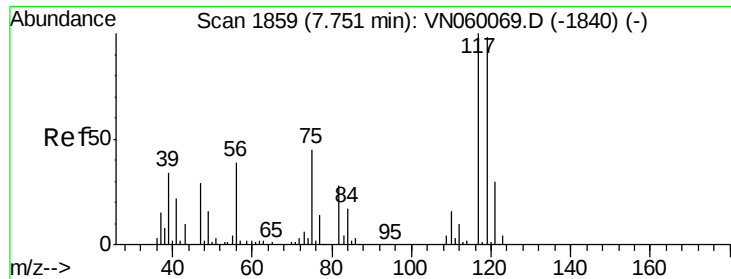
#36
 1,1-Dichloropropene
 Concen: 5.038 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

Tgt Ion: 75 Resp: 13813
 Ion Ratio Lower Upper
 75 100
 110 4.1 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

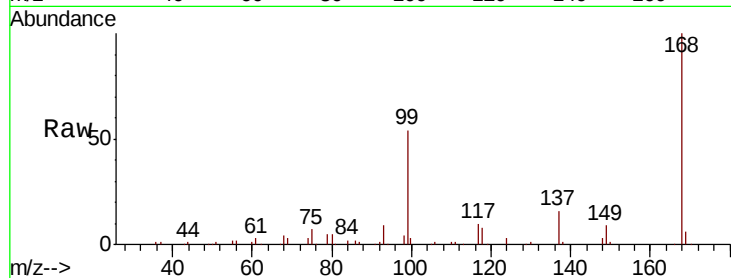




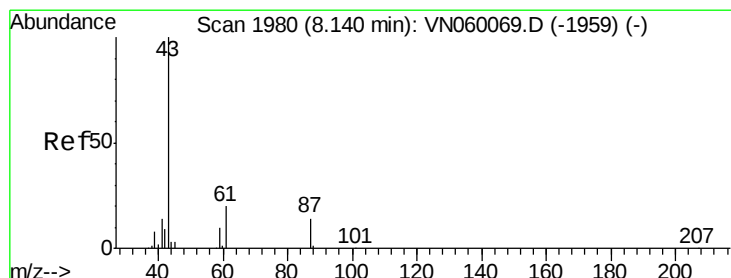
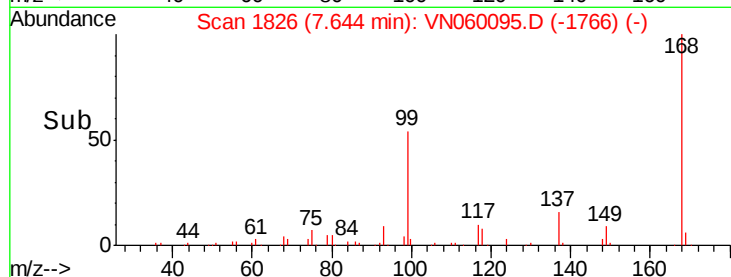
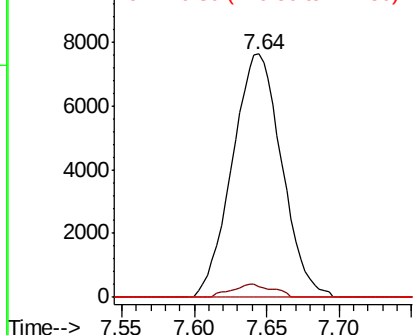
#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060095.D
Acq: 13 Feb 2020 15:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 18074
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.4#
121 0.0 24.2 36.2#

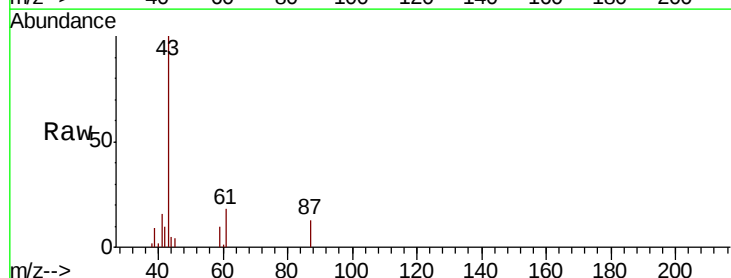


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

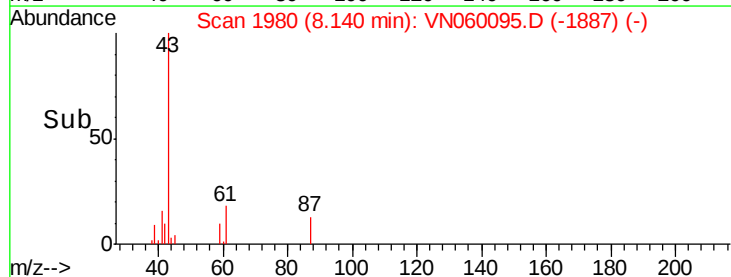
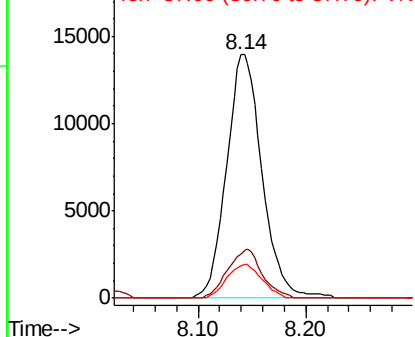


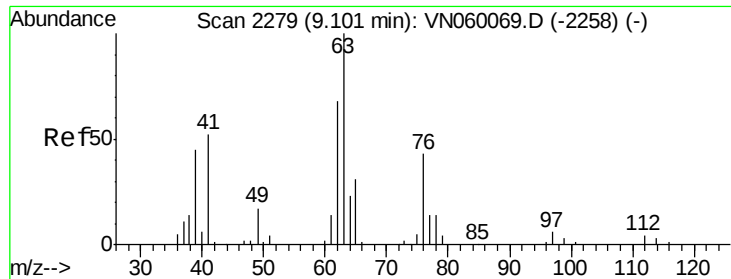
#43
Isopropyl Acetate
Concen: 7.535 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060095.D
Acq: 13 Feb 2020 15:22

Tgt Ion: 43 Resp: 31915
Ion Ratio Lower Upper
43 100
61 19.4 21.8 32.6#
87 13.7 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

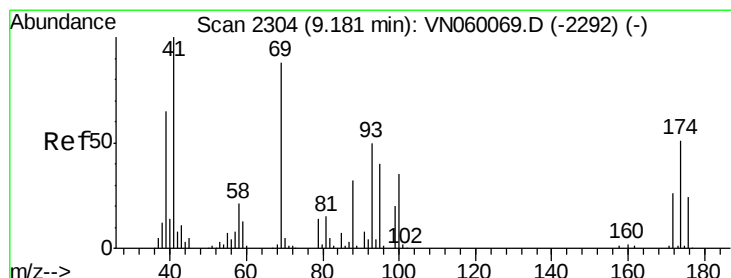
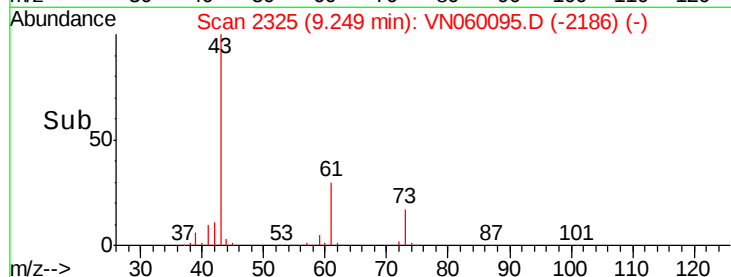
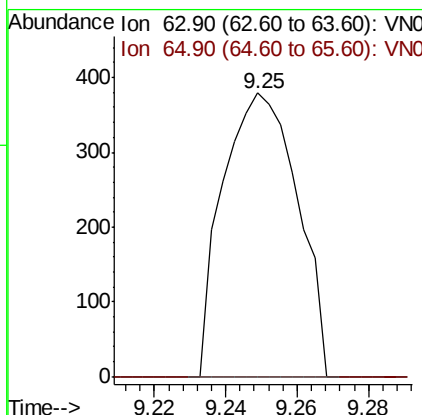
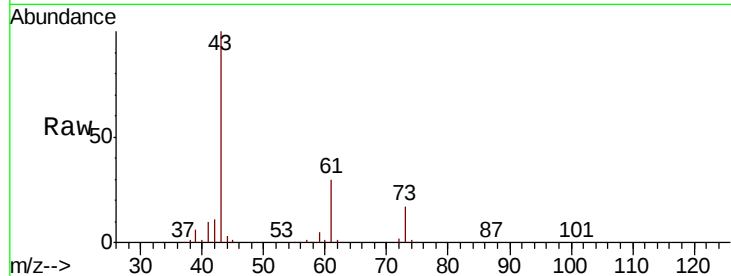




#45
 1,2-Dichloropropane
 Concen: 0.272 ug/l
 RT: 9.25 min Scan# 2325
 Delta R.T. 0.15 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

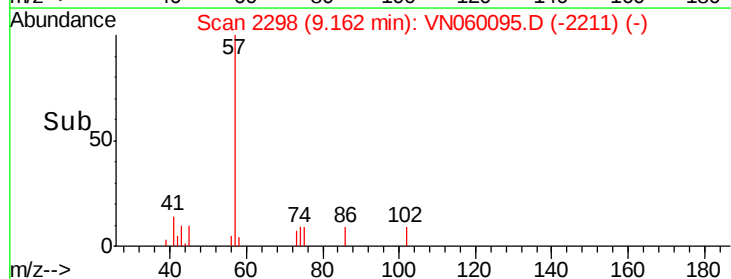
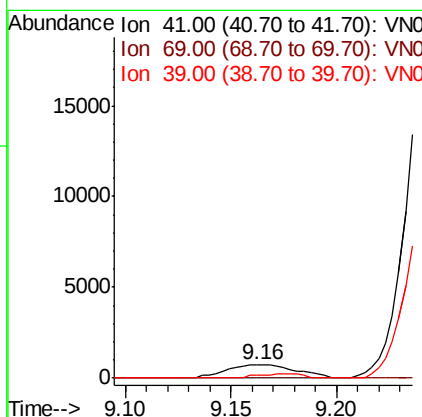
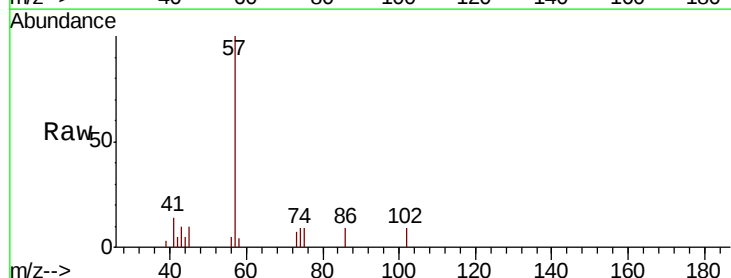
Instrument :
 MSVOA_N
 ClientSampled :

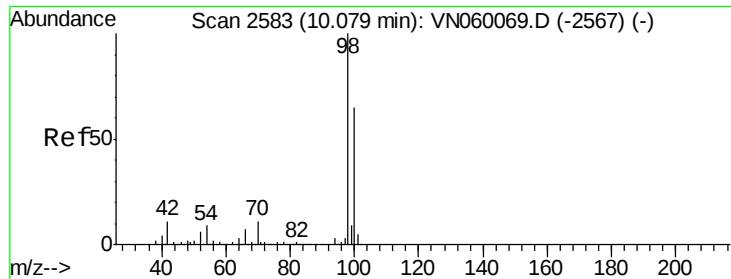
Tot Ion: 63 Resp: 547
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 0.884 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.02 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

Tgt Ion: 41 Resp: 1680
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.0 108.0#
 39 0.0 54.1 81.1#





#50

Toluene-d8

Concen: 50.287 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

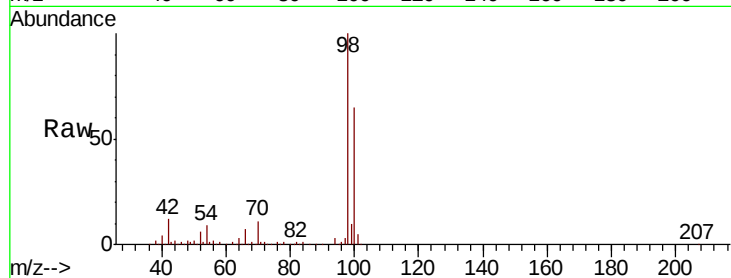
ClientSampled :

Tot Ion: 98 Resp: 360324

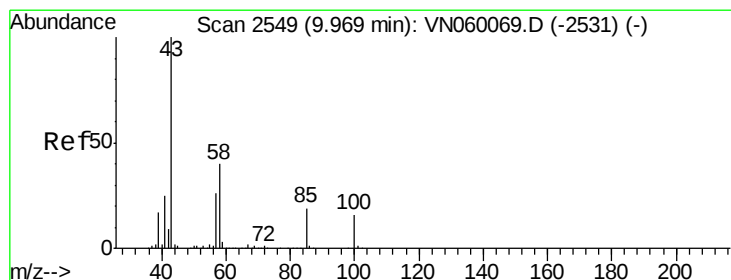
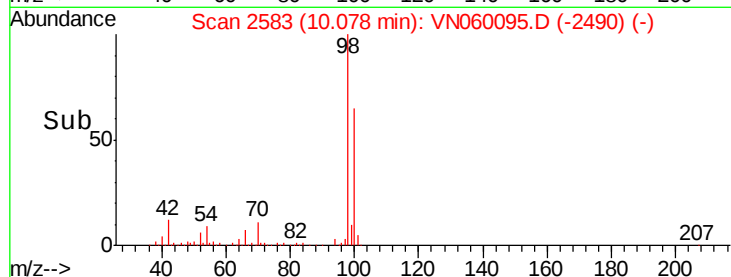
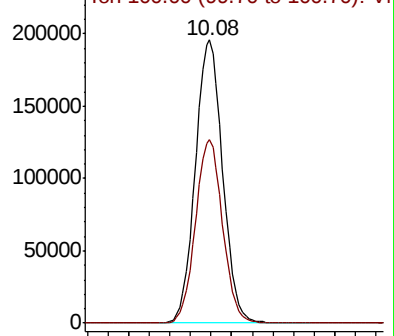
Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.941 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060095.D

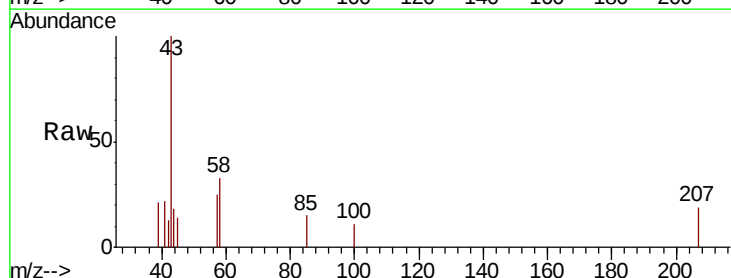
Acq: 13 Feb 2020 15:22

Tgt Ion: 43 Resp: 2307

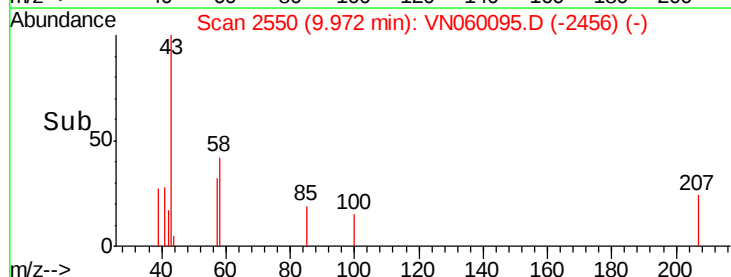
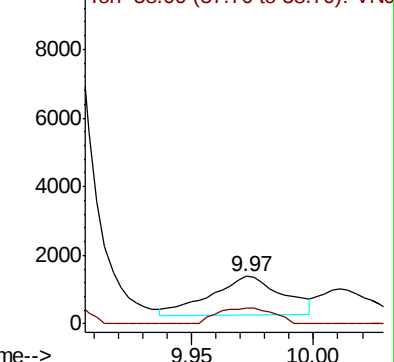
Ion Ratio Lower Upper

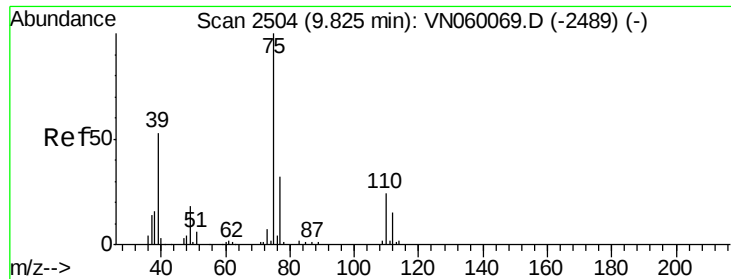
43 100

58 32.5 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

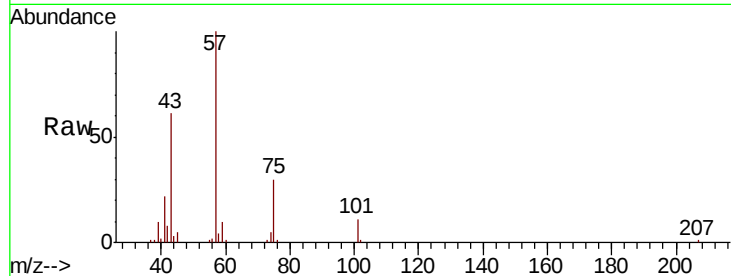




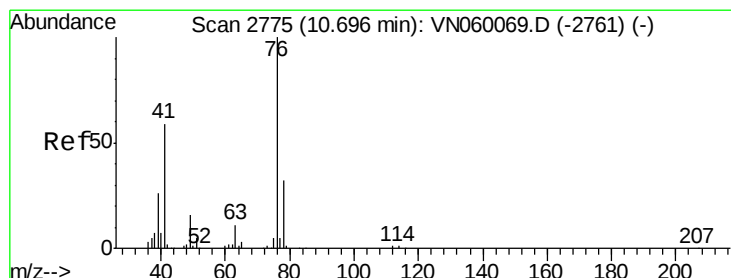
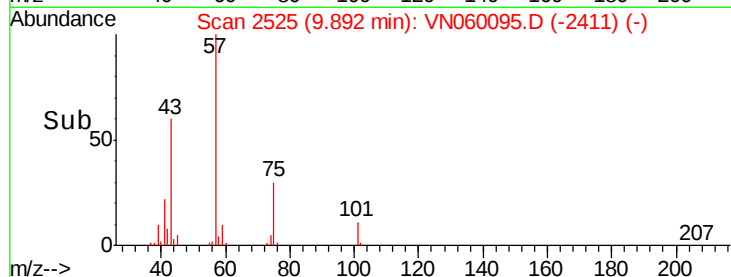
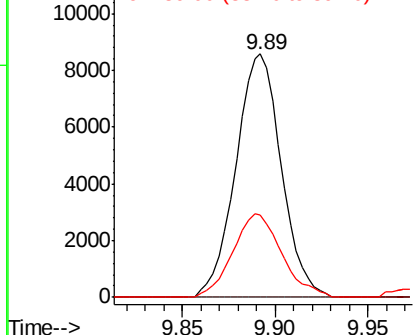
#54
 cis-1,3-Dichloropropene
 Concen: 4.243 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 14591
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 33.8 42.2 63.4#

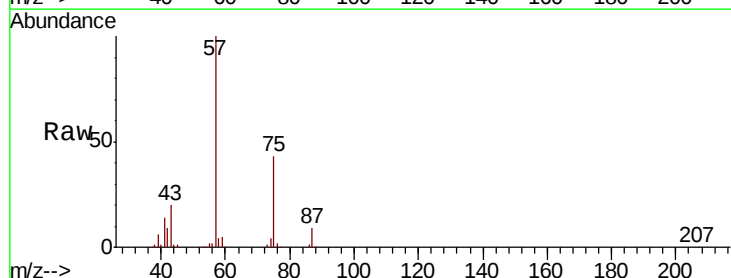


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

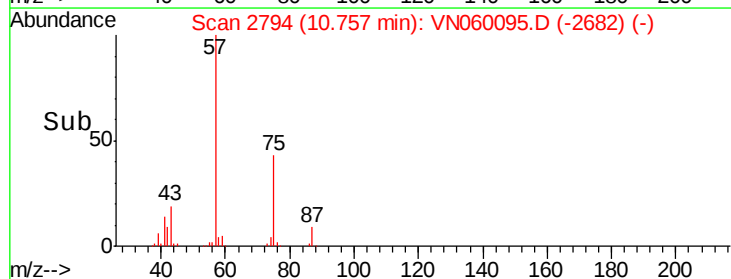
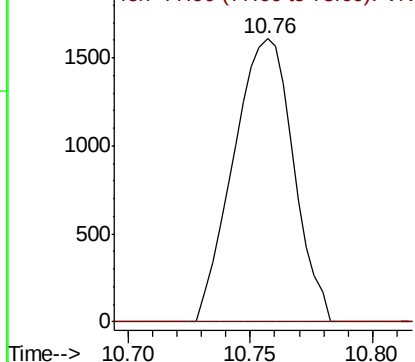


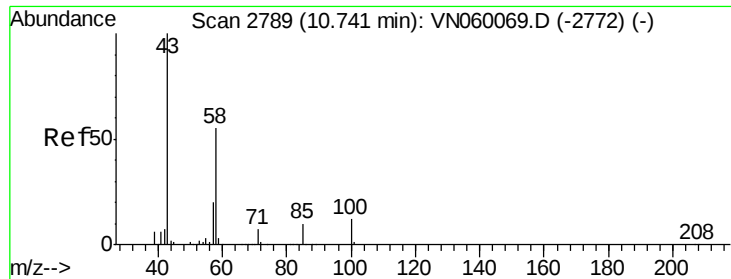
#57
 1,3-Dichloropropane
 Concen: 0.817 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060095.D
 Acq: 13 Feb 2020 15:22

Tgt Ion: 76 Resp: 2742
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

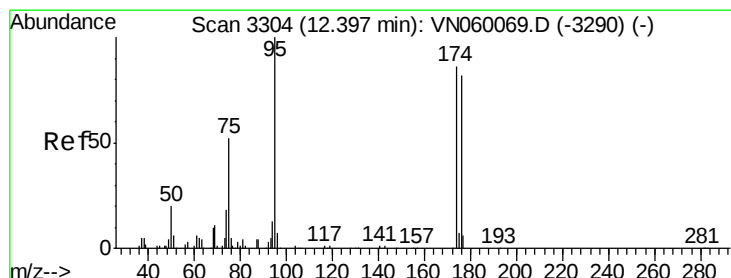
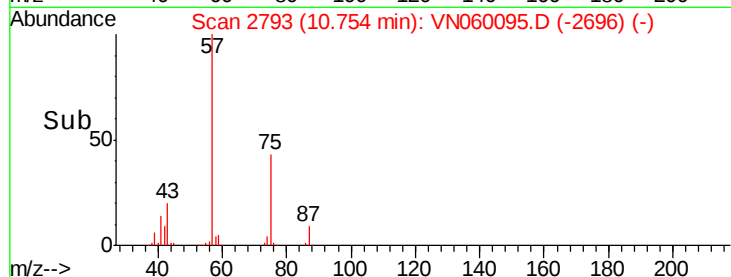
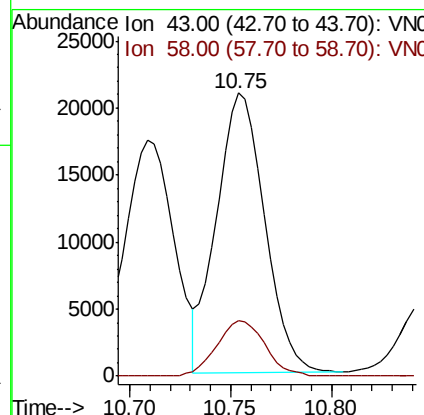
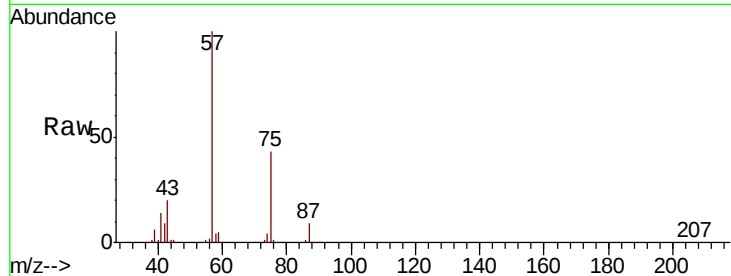




#59
2-Hexanone
Concen: 18.321 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060095.D
Acq: 13 Feb 2020 15:22

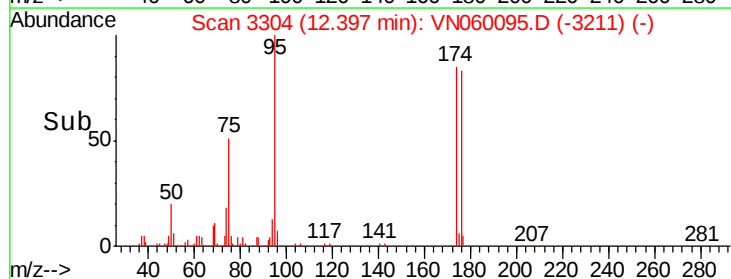
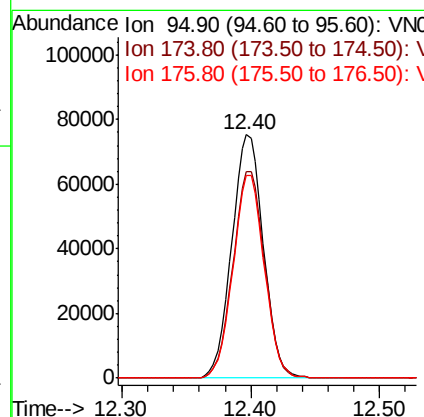
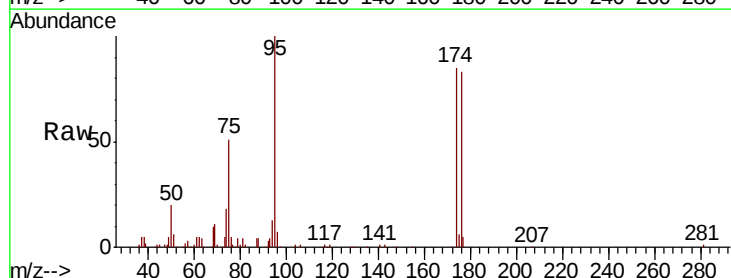
Instrument :
MSVOA_N
ClientSampled :

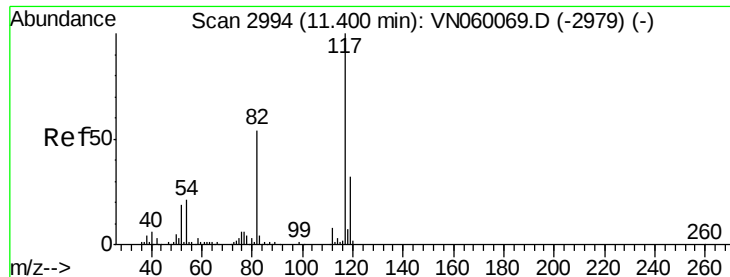
Tot Ion: 43 Resp: 34698
Ion Ratio Lower Upper
43 100
58 19.7 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.525 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060095.D
Acq: 13 Feb 2020 15:22

Tgt Ion: 95 Resp: 127763
Ion Ratio Lower Upper
95 100
174 85.3 0.0 169.8
176 82.5 0.0 164.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

ClientSampled :

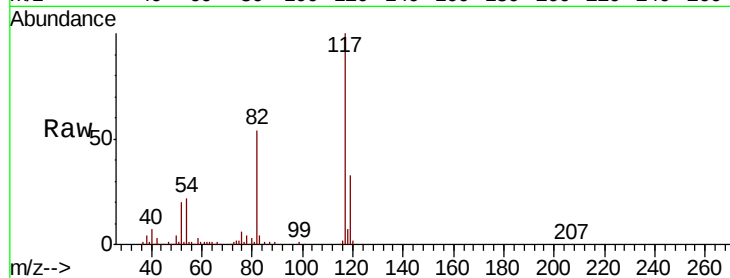
Tot Ion:117 Resp: 275901

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

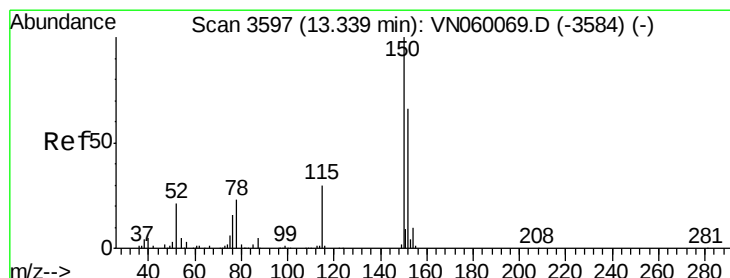
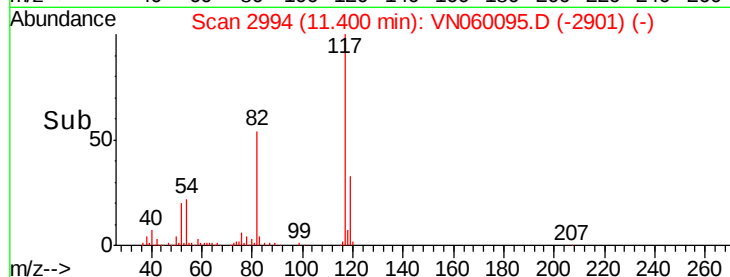
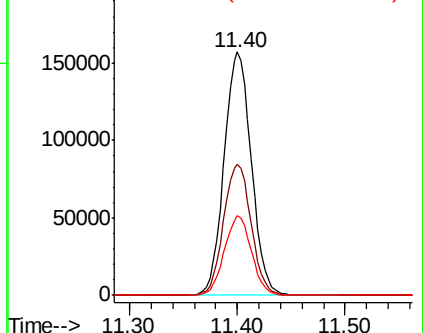
119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VN060095.D

Acq: 13 Feb 2020 15:22

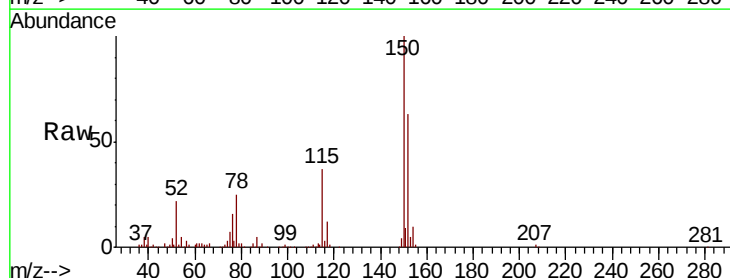
Tgt Ion:152 Resp: 125034

Ion Ratio Lower Upper

152 100

115 58.4 28.9 86.8

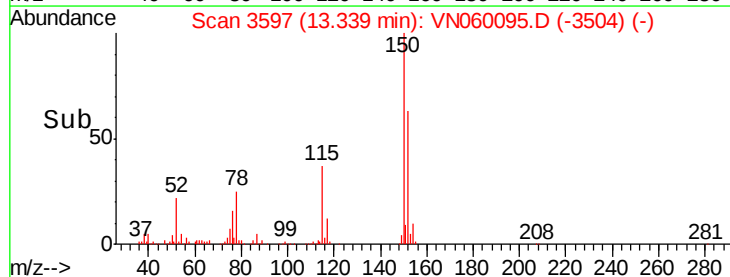
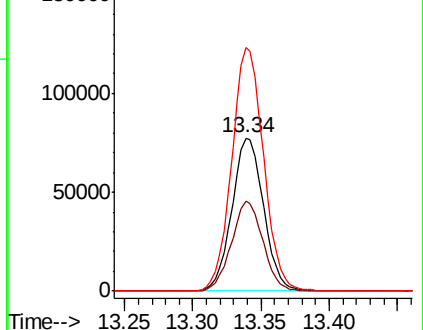
150 159.7 0.0 342.4

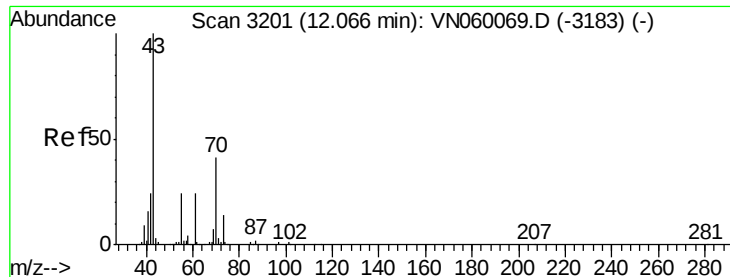


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.394 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1327

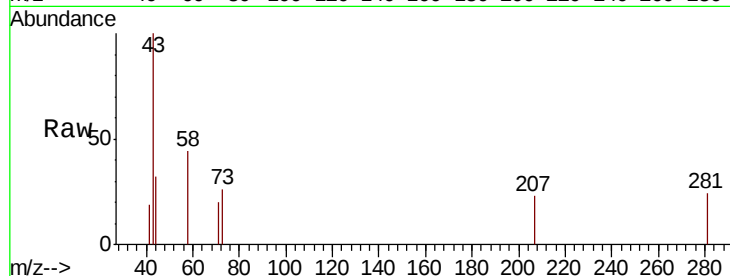
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

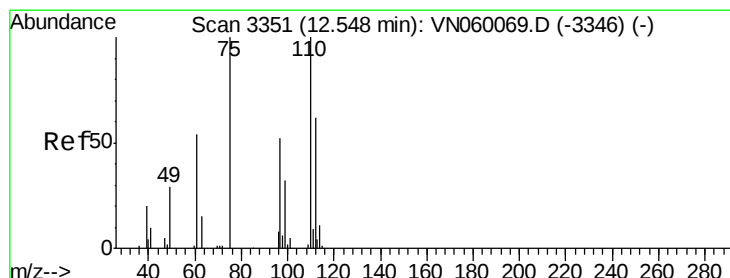
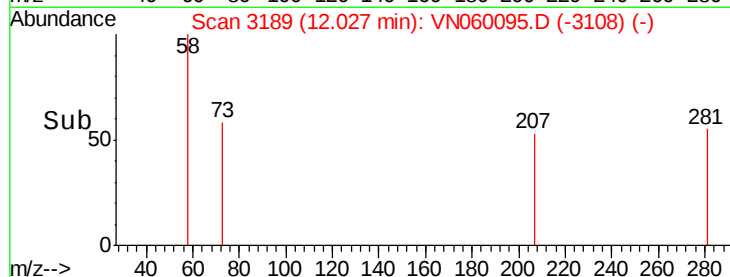
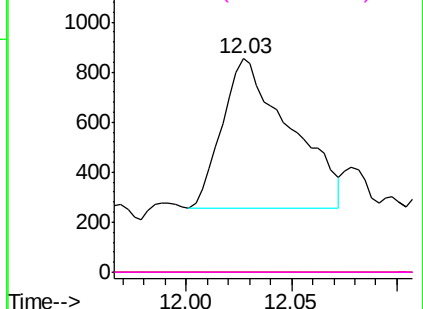


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 27.362 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060095.D

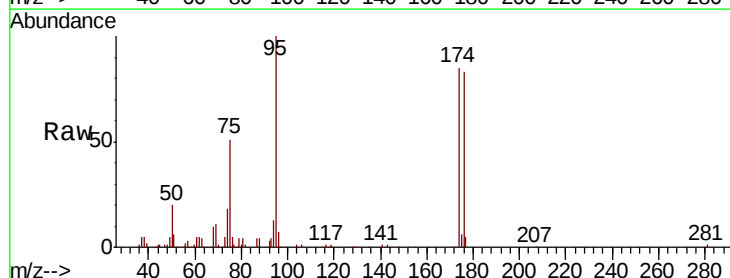
Acq: 13 Feb 2020 15:22

Tgt Ion: 75 Resp: 65455

Ion Ratio Lower Upper

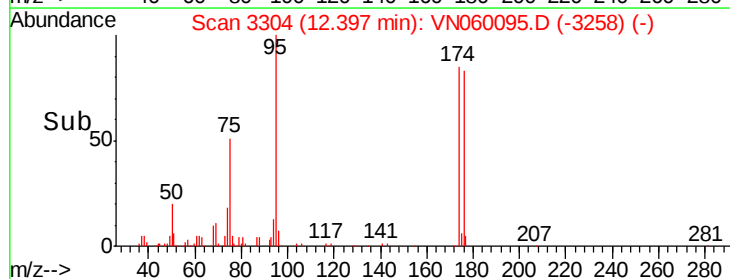
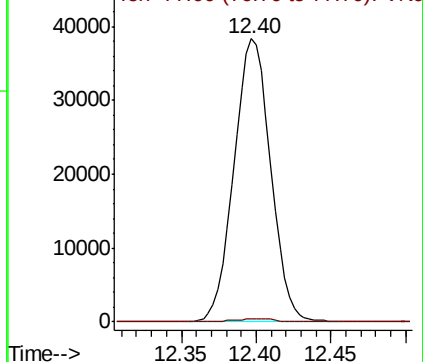
75 100

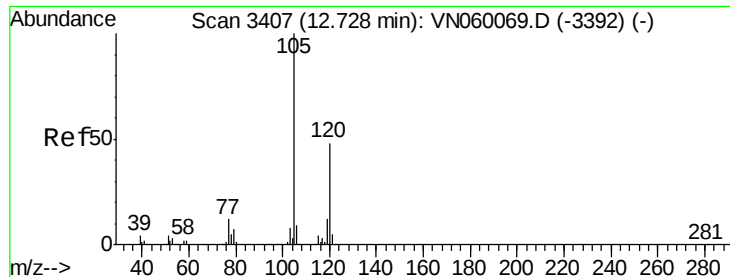
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.649 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

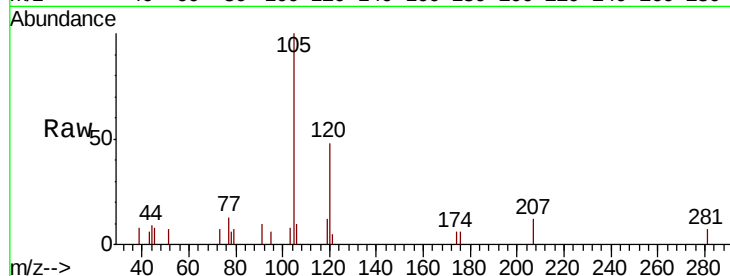
ClientSampleId :

Tot Ion:105 Resp: 5040

Ion Ratio Lower Upper

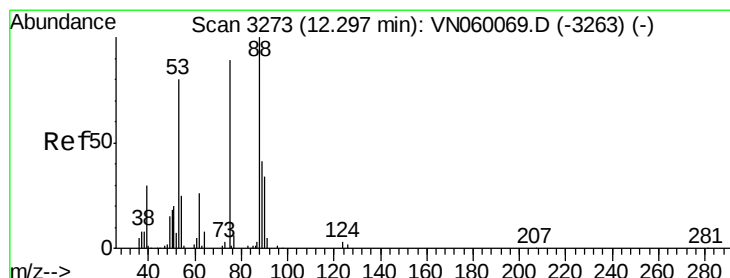
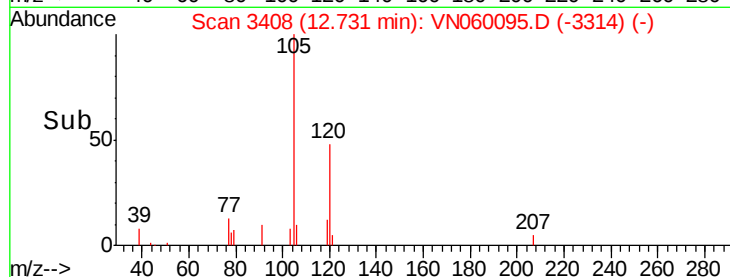
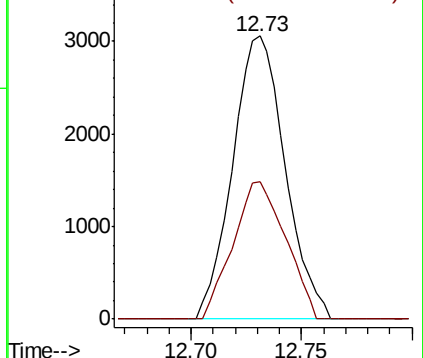
105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.996 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

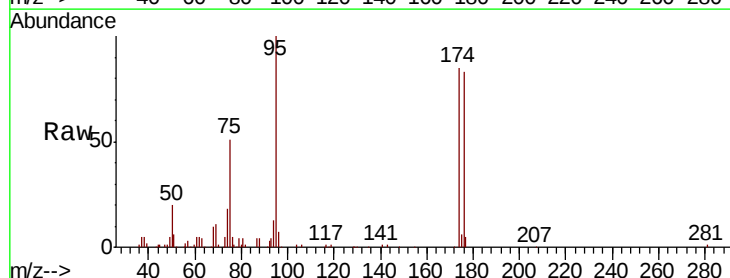
Tgt Ion: 75 Resp: 65455

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

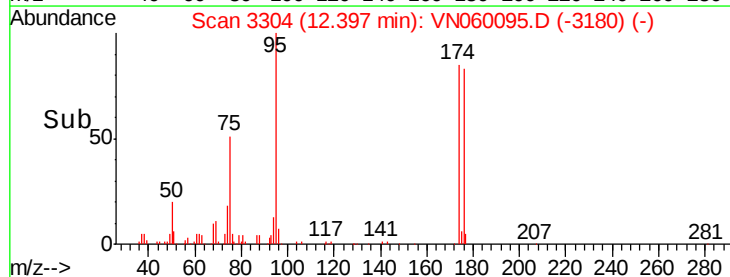
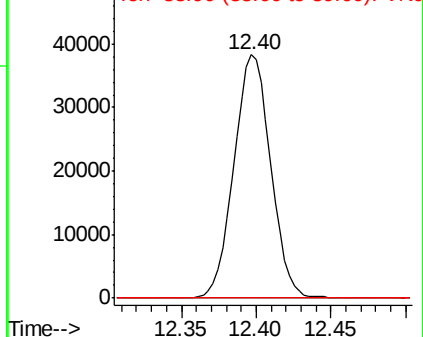
89 0.0 37.0 55.4#

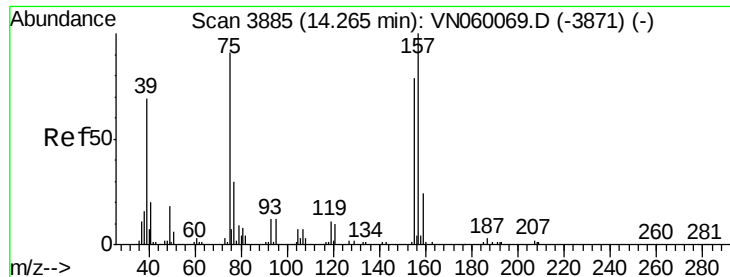


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN060095.D

Acq: 13 Feb 2020 15:22

Instrument :

MSVOA_N

ClientSampleId :

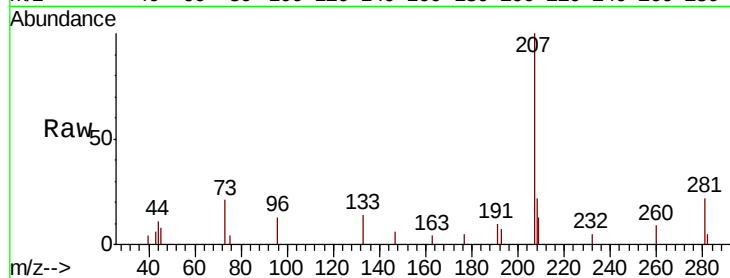
Tot Ion: 75 Resp: 59

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): VN060095.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060095.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060095.D (-3791) (-)

