

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061695.D
 Acq On : 8 Jun 2020 14:57
 Operator : JC/MD
 Sample : L2886-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GEN

Quant Time: Jun 09 03:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	320980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	541532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	542630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	246411	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	178717	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
35) Dibromofluoromethane	7.55	113	154076	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	
50) Toluene-d8	10.06	98	655556	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.37	95	233393	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	

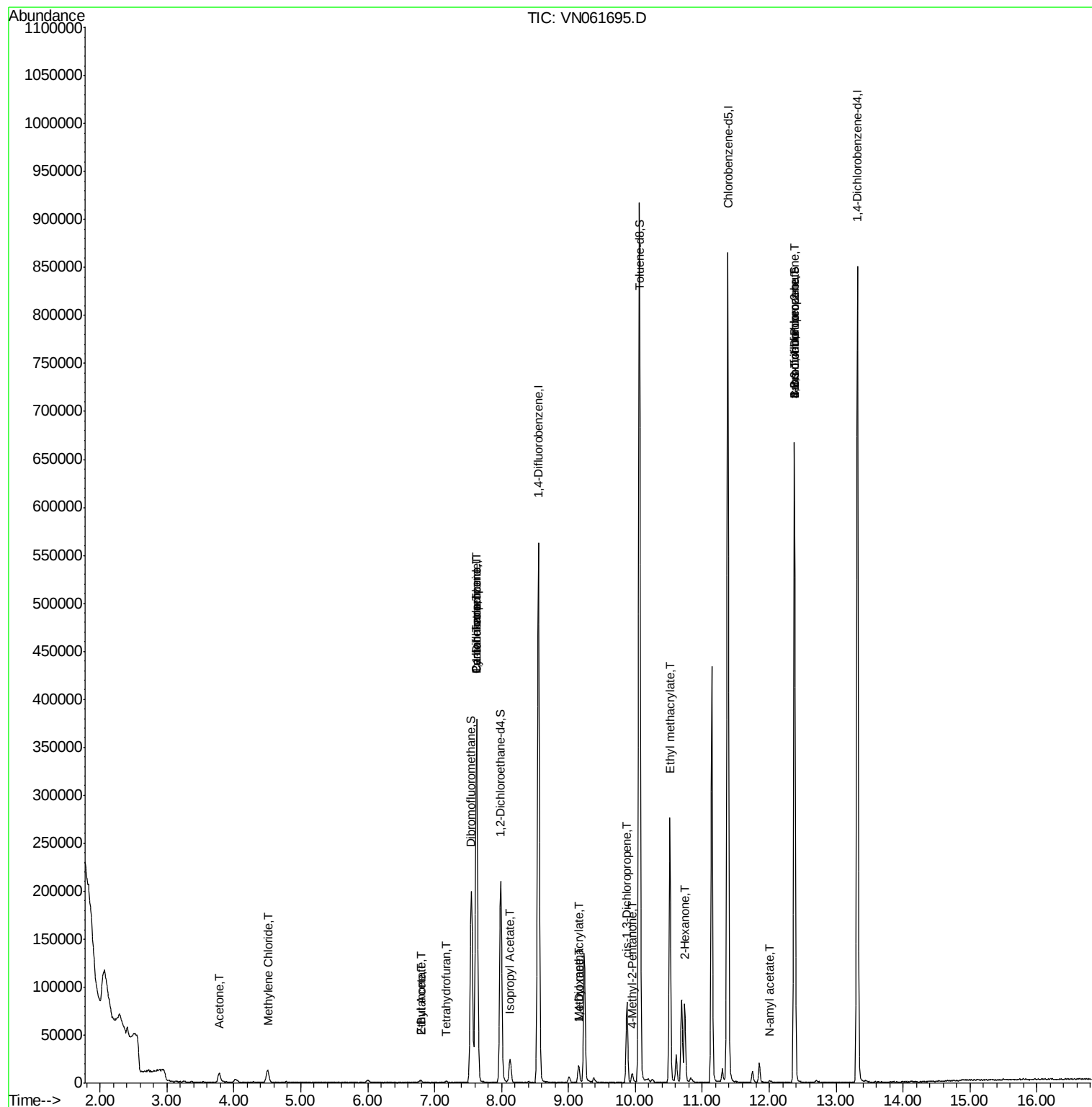
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	16162	9.37	ug/l	93
20) Methylene Chloride	4.50	84	10666	1.38	ug/l	90
25) 2-Butanone	6.79	43	3372	1.86	ug/l	93
29) Tetrahydrofuran	7.16	42	385	0.32	ug/l #	25
31) Cyclohexane	7.62	56	5663	1.05	ug/l #	26
36) 1,1-Dichloropropene	7.63	75	21608	4.51	ug/l #	48
37) Ethyl Acetate	6.79	43	3372	0.87	ug/l #	66
38) Carbon Tetrachloride	7.63	117	30554	6.61	ug/l #	16
43) Isopropyl Acetate	8.12	43	28097	4.04	ug/l #	90
48) Methyl methacrylate	9.15	41	3040	0.97	ug/l #	16
49) 1,4-Dioxane	9.17	88	61	1.26	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	5503	1.41	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	16946	2.74	ug/l #	68
56) Ethyl methacrylate	10.52	69	1319	0.25	ug/l #	1
59) 2-Hexanone	10.73	43	10573	3.76	ug/l #	53
71) Bromoform	12.37	173	1996	0.62	ug/l #	1
74) N-amyl acetate	12.00	43	2493	0.44	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	113261	25.28	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	113261	64.64	ug/l #	15

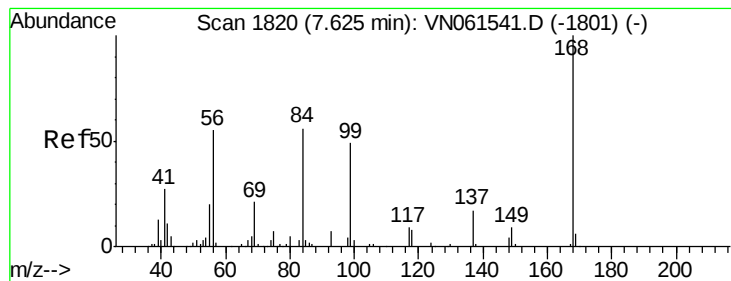
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampled :

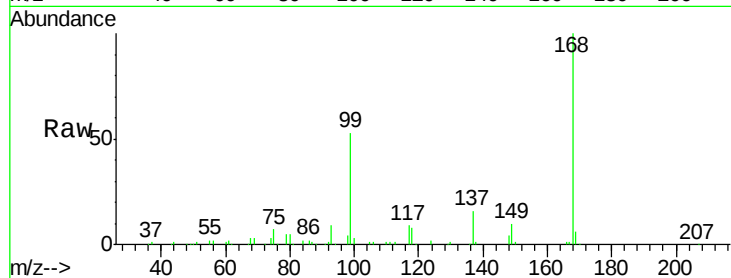
GEN

Tgt Ion:168 Resp: 320980

Ion Ratio Lower Upper

168 100

99 52.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

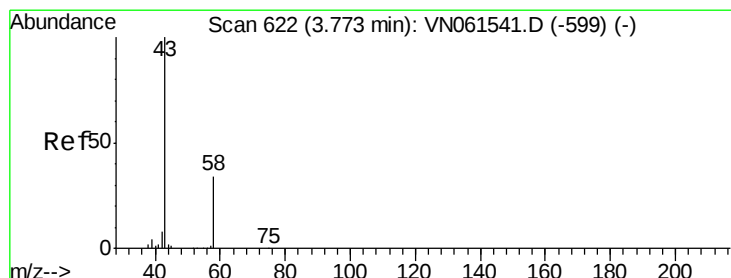
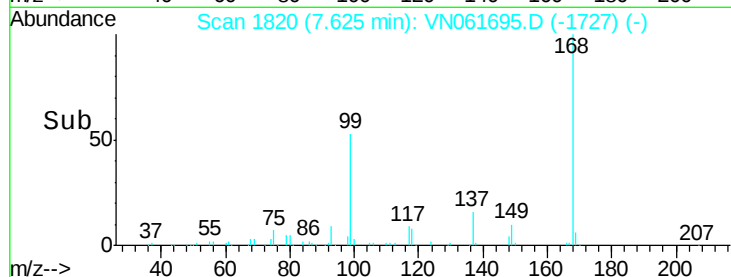
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 9.37 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061695.D

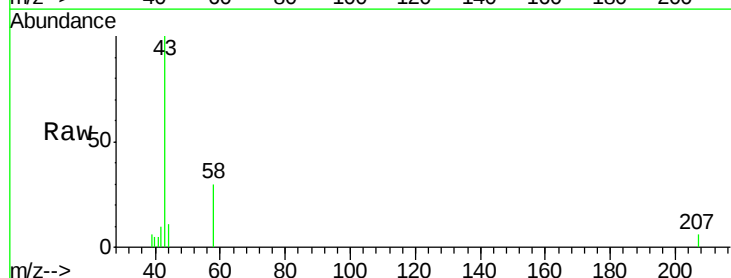
Acq: 8 Jun 2020 14:57

Tgt Ion: 43 Resp: 16162

Ion Ratio Lower Upper

43 100

58 29.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

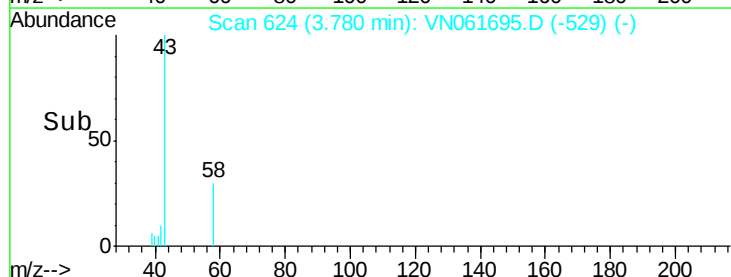
6000

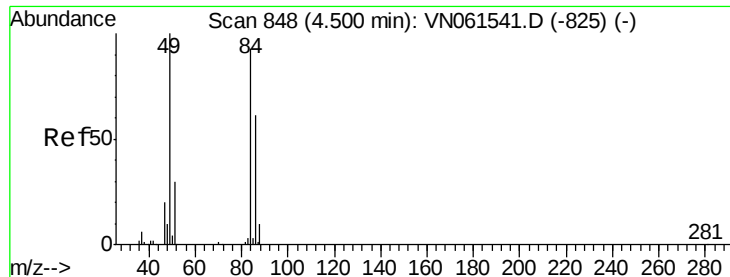
4000

2000

0

Time--> 3.70 3.75 3.80 3.85

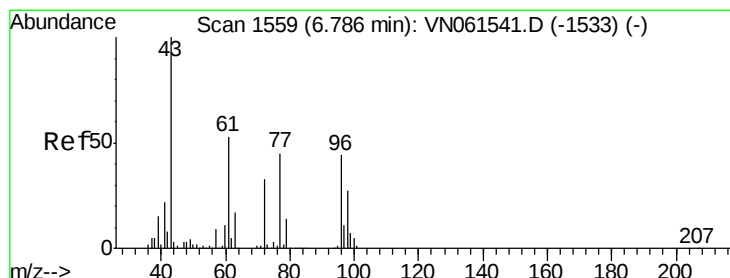
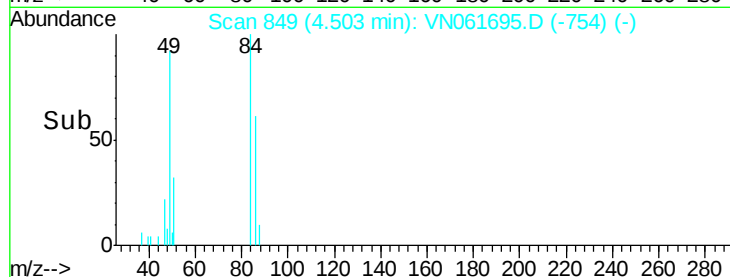
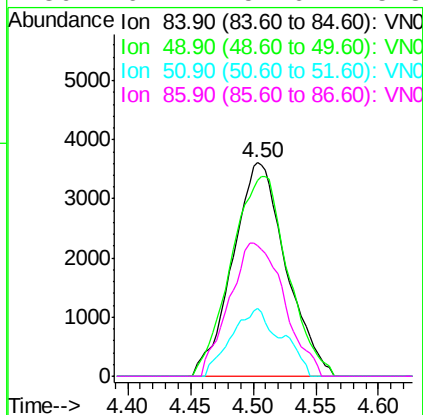
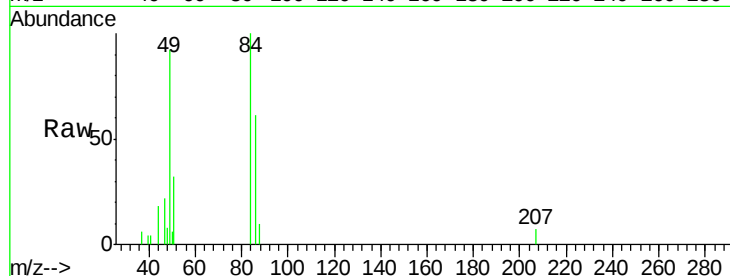




#20
Methylene Chloride
Concen: 1.38 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061695.D
Acq: 8 Jun 2020 14:57

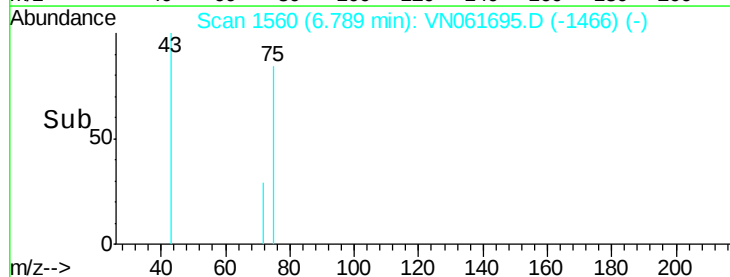
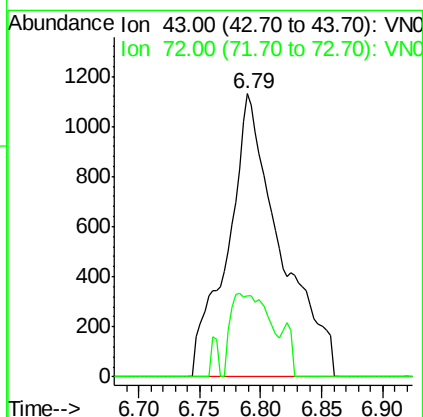
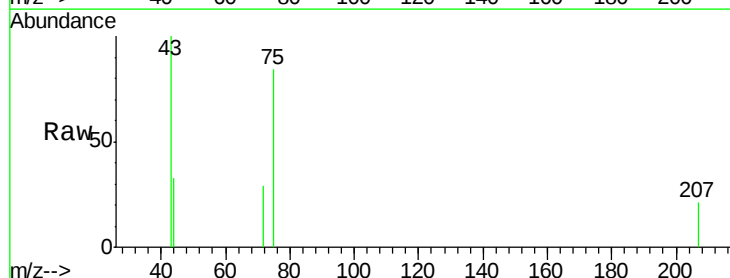
Instrument :
MSVOA_N
ClientSampled :
GEN

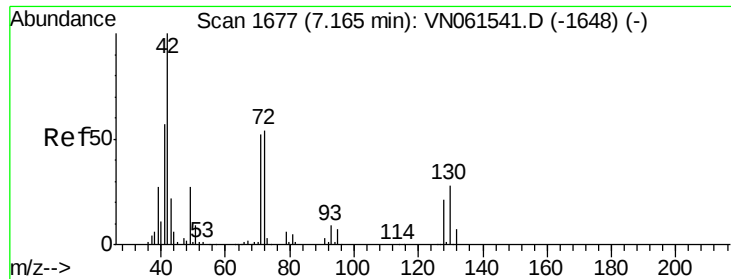
Tgt Ion: 84 Resp: 10666
Ion Ratio Lower Upper
84 100
49 92.0 85.8 128.8
51 32.1 26.2 39.2
86 61.2 52.6 78.8



#25
2-Butanone
Concen: 1.86 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN061695.D
Acq: 8 Jun 2020 14:57

Tgt Ion: 43 Resp: 3372
Ion Ratio Lower Upper
43 100
72 28.8 26.0 39.0

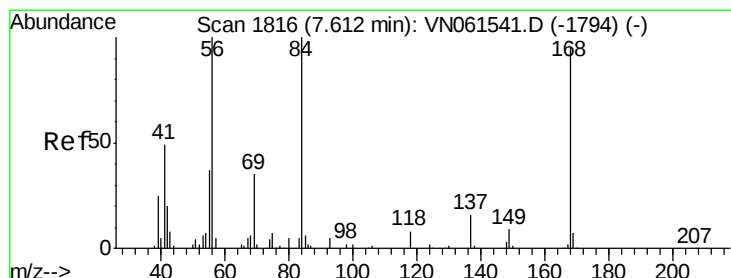
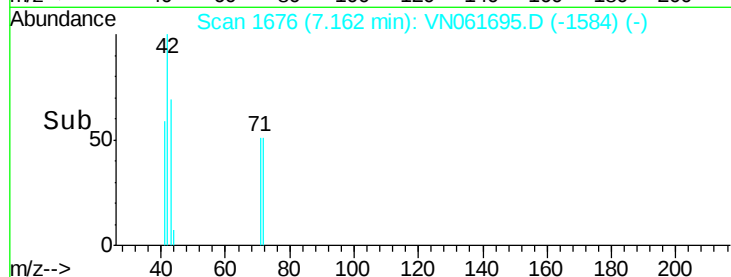
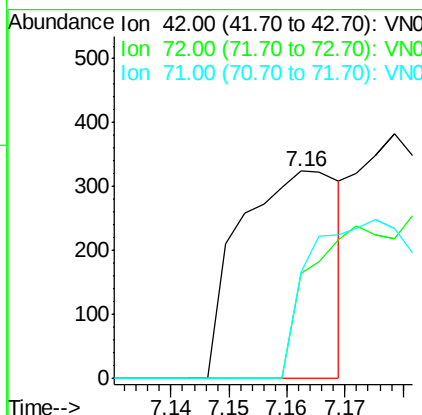
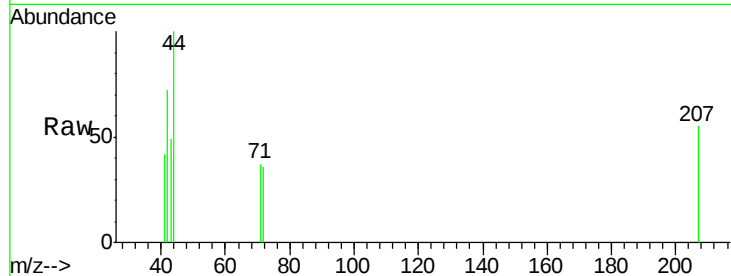




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN061695.D
Acq: 8 Jun 2020 14:57

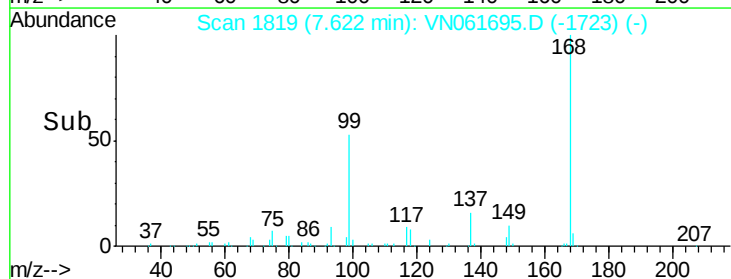
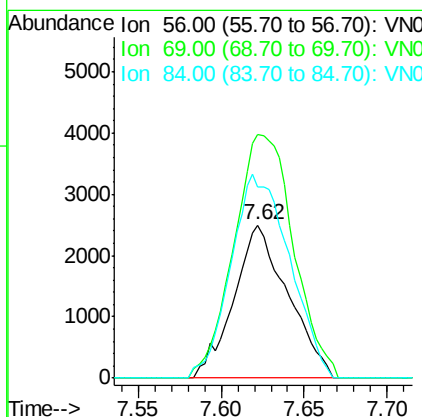
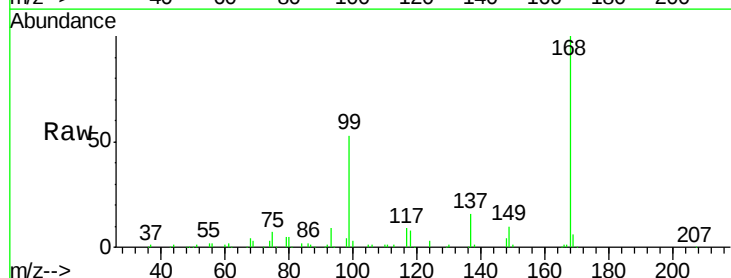
Instrument :
MSVOA_N
ClientSampleId :
GEN

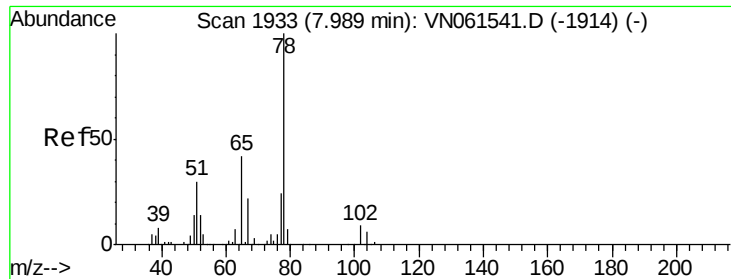
Tgt Ion: 42 Resp: 385
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 0.0 41.2 61.8#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061695.D
Acq: 8 Jun 2020 14:57

Tgt Ion: 56 Resp: 5663
Ion Ratio Lower Upper
56 100
69 159.1 27.8 41.8#
84 125.3 79.9 119.9#

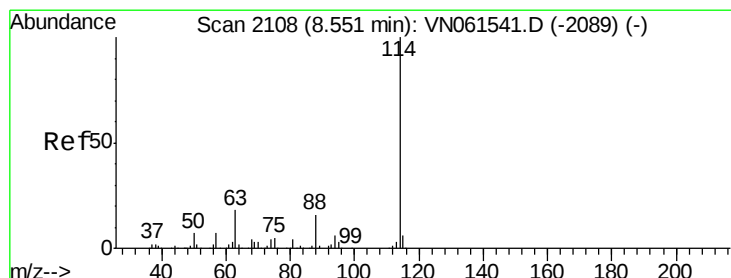
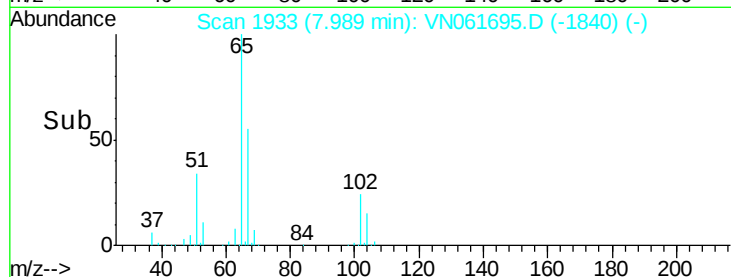
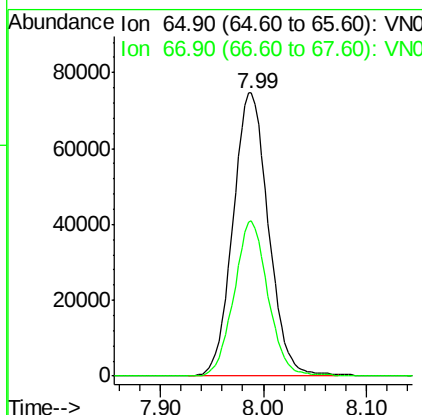
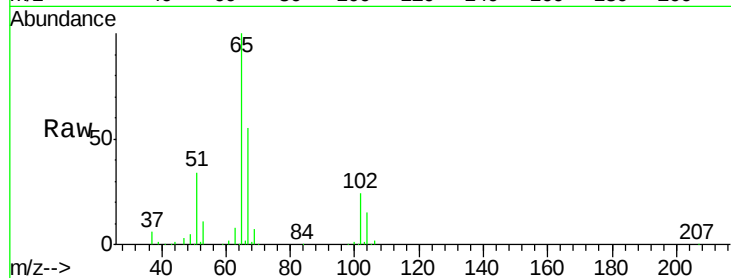




#33
 1,2-Dichloroethane-d4
 Concen: 46.73 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

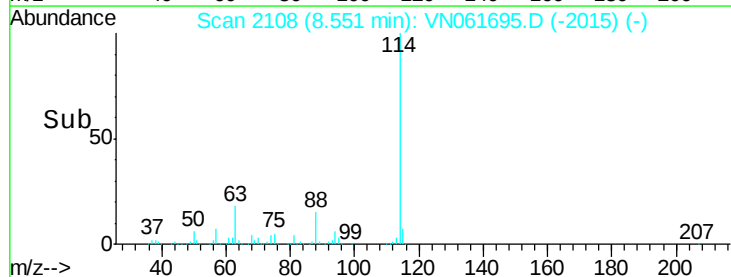
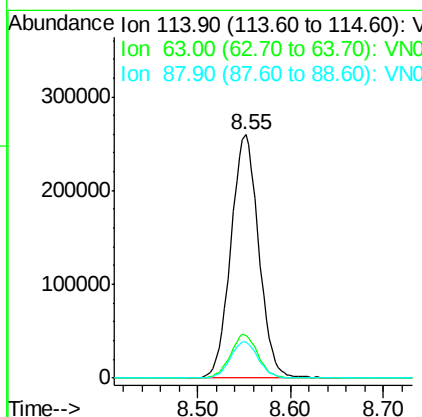
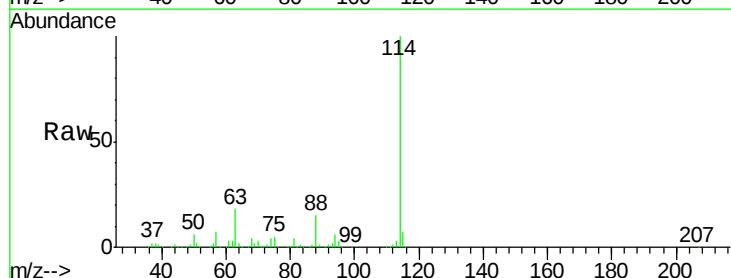
Instrument :
 MSVOA_N
 ClientSampleId :
 GEN

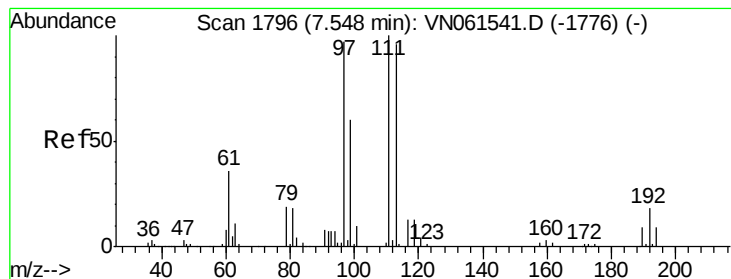
Tgt Ion: 65 Resp: 178717
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

Tgt Ion: 114 Resp: 541532
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.8
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 56.09 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampleId :

GEN

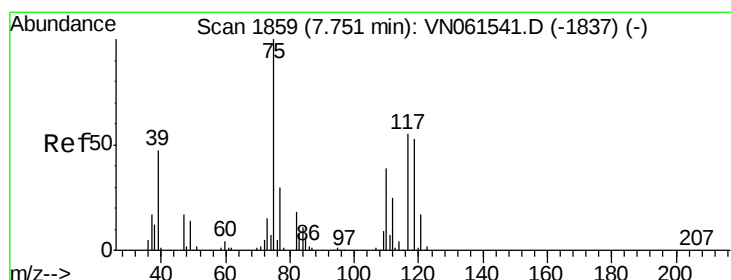
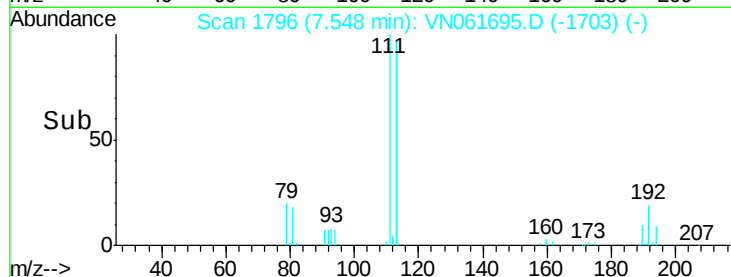
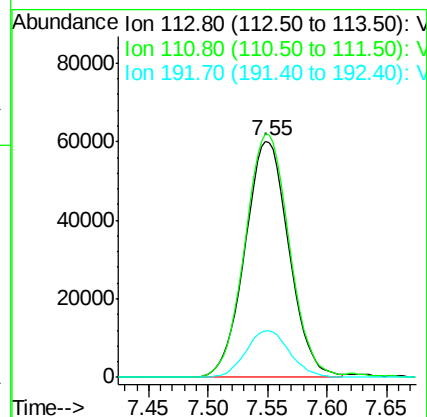
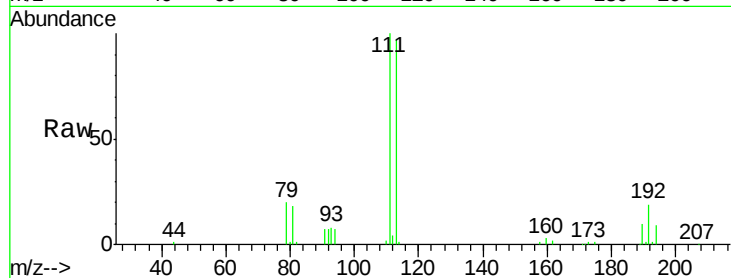
Tgt Ion:113 Resp: 154076

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.0

192 19.7 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.51 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

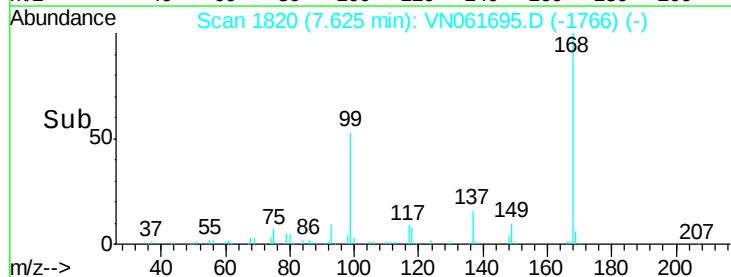
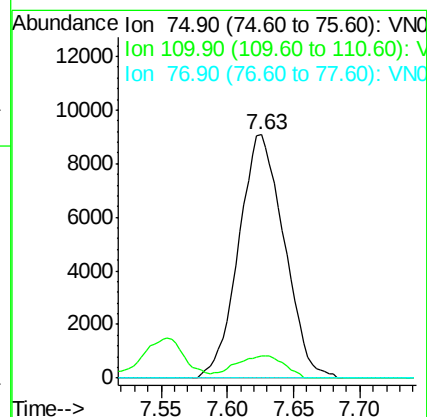
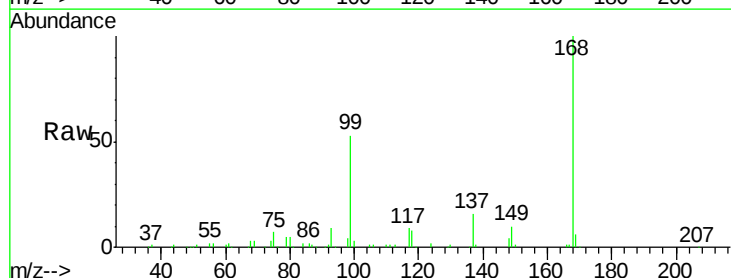
Tgt Ion: 75 Resp: 21608

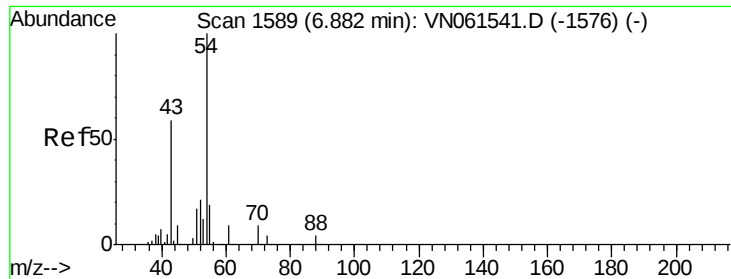
Ion Ratio Lower Upper

75 100

110 9.7 19.5 58.5#

77 0.0 24.7 37.1#

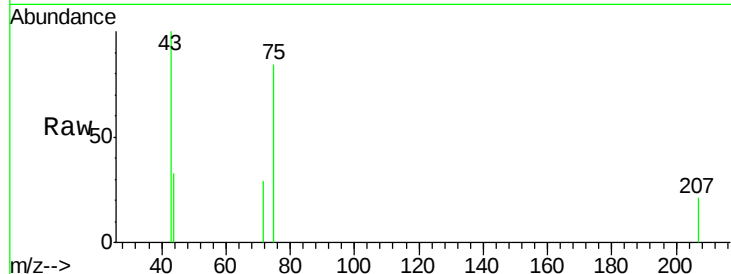




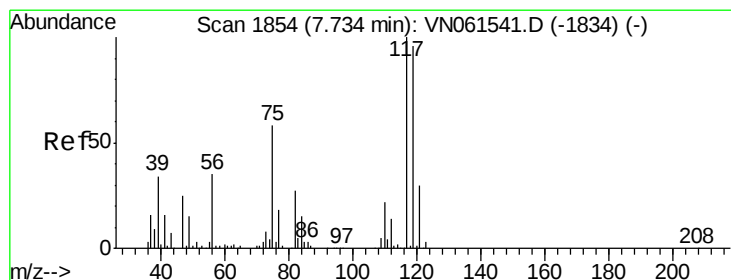
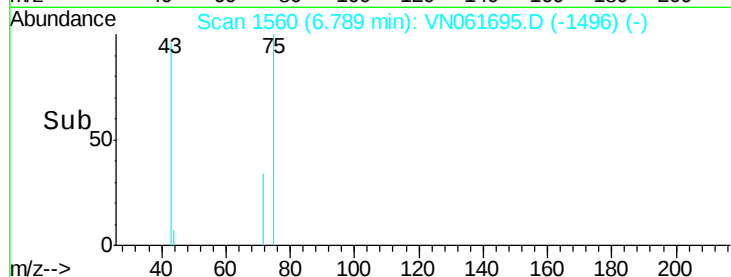
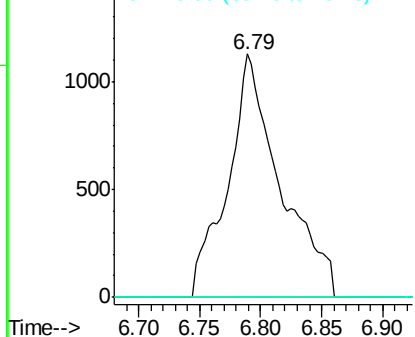
#37
Ethyl Acetate
 Concen: 0.87 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.09 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

Instrument :
 MSVOA_N
 ClientSampled :
 GEN

Tgt Ion: 43 Resp: 3372
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.2 18.4#
 70 0.0 9.4 14.2#

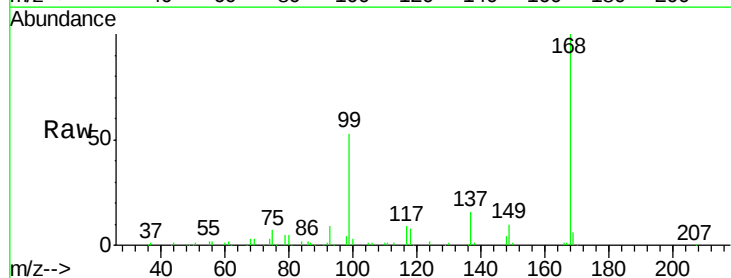


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

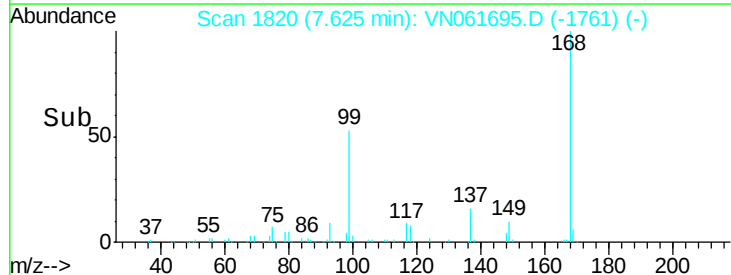
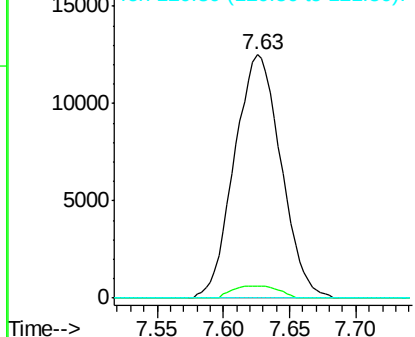


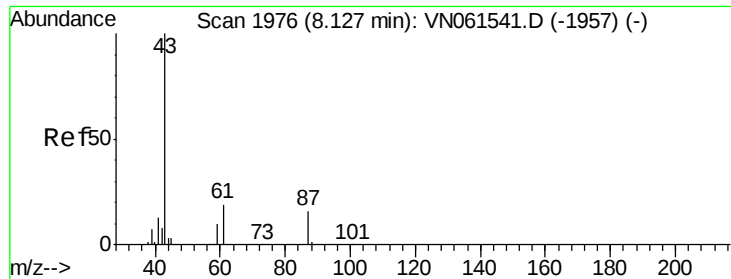
#38
Carbon Tetrachloride
 Concen: 6.61 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

Tgt Ion: 117 Resp: 30554
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.5 114.7#
 121 0.0 24.1 36.1#



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: 4.04 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampleId :

GEN

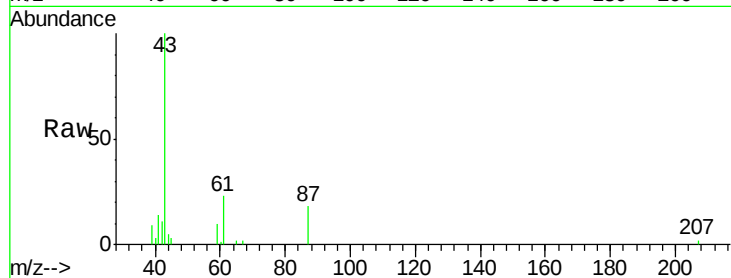
Tgt Ion: 43 Resp: 28097

Ion Ratio Lower Upper

43 100

61 21.3 23.6 35.4#

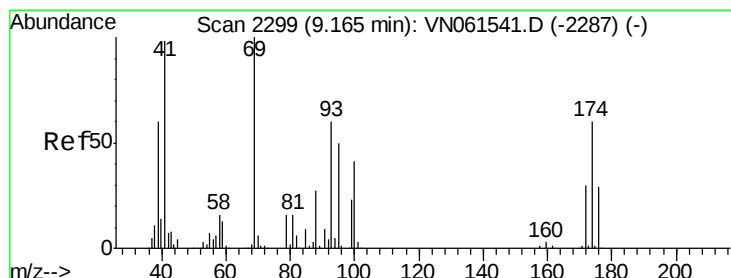
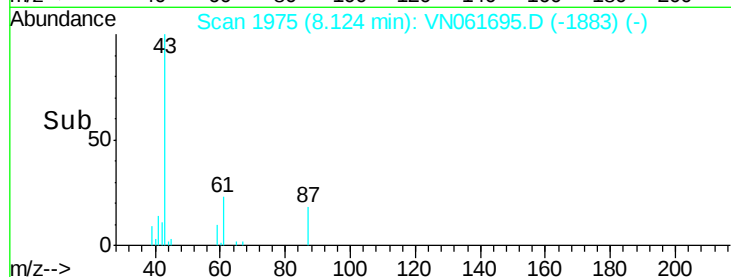
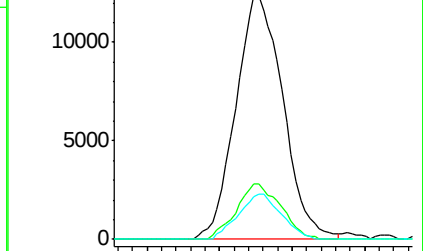
87 16.7 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN061695.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN061695.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN061695.D (-1883) (-)



#48

Methyl methacrylate

Concen: 0.97 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

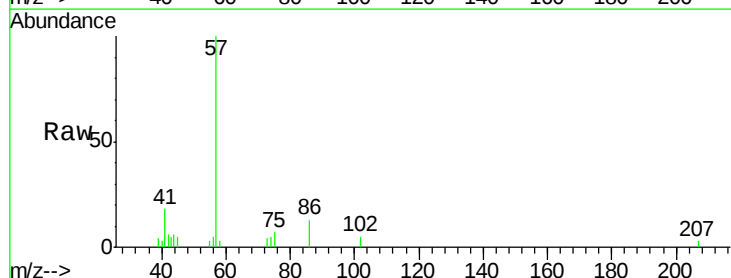
Tgt Ion: 41 Resp: 3040

Ion Ratio Lower Upper

41 100

69 0.0 83.9 125.9#

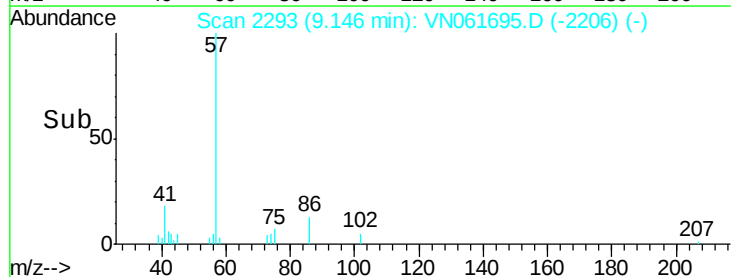
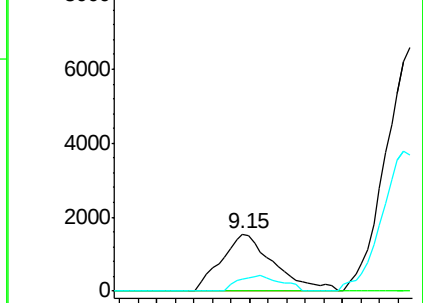
39 22.1 52.1 78.1#

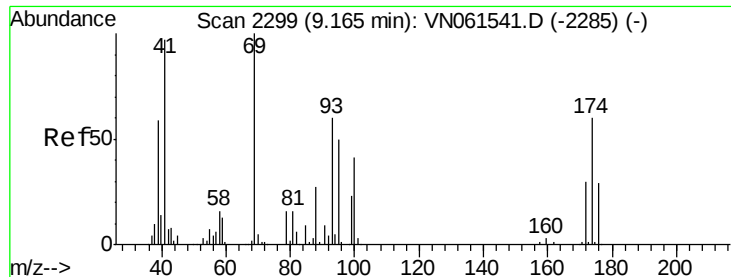


Abundance Ion 41.00 (40.70 to 41.70): VN061695.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061695.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061695.D (-2206) (-)

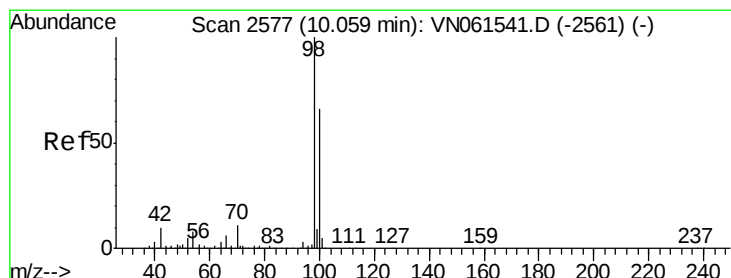
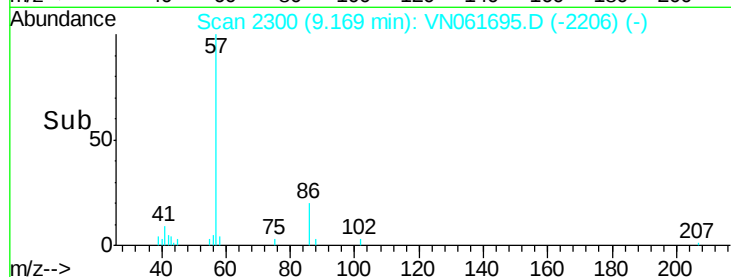
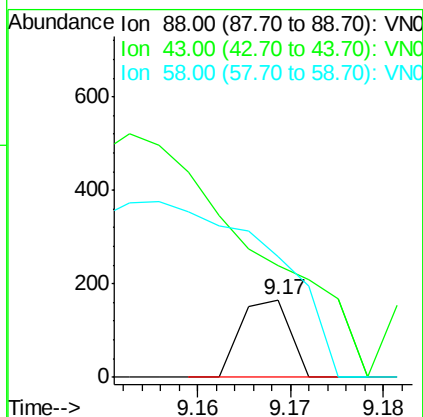
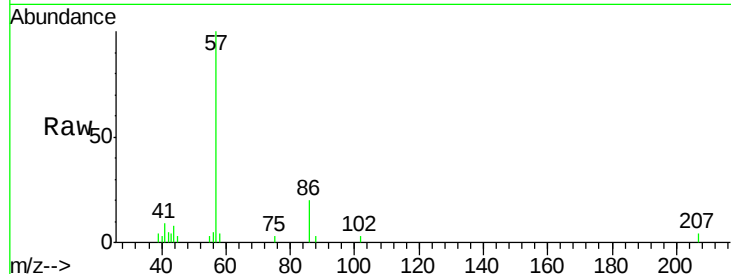




#49
 1,4-Dioxane
 Concen: 1.26 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

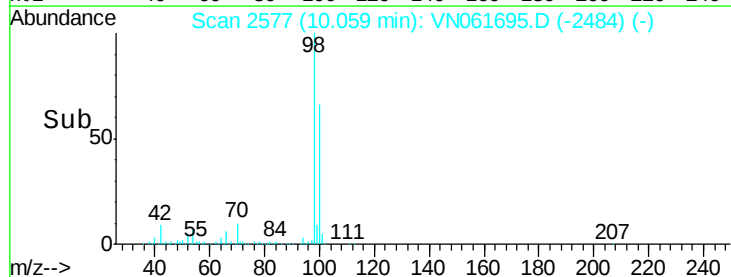
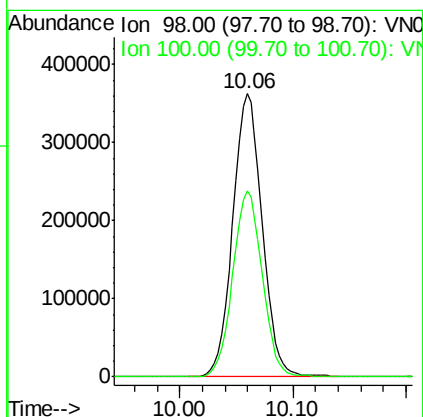
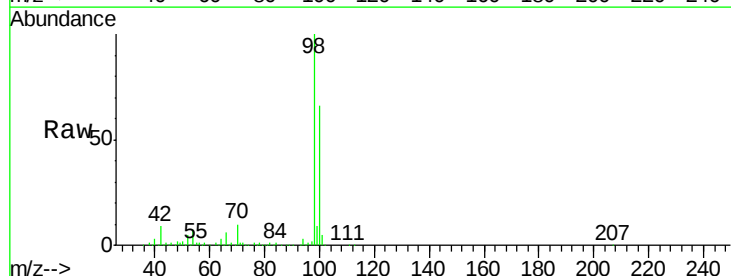
Instrument :
 MSVOA_N
 ClientSampleId :
 GEN

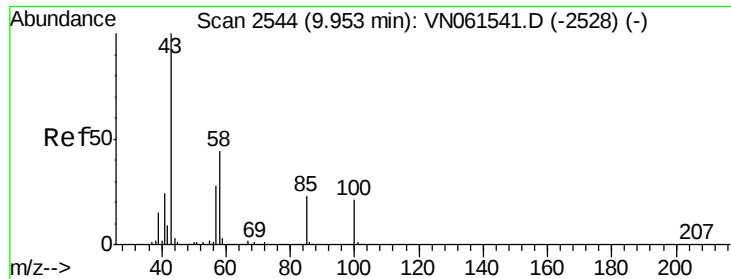
Tgt Ion: 88 Resp: 61
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.1 34.7#
 58 1214.8 48.3 72.5#



#50
 Toluene-d8
 Concen: 51.50 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

Tgt Ion: 98 Resp: 655556
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.8 79.2

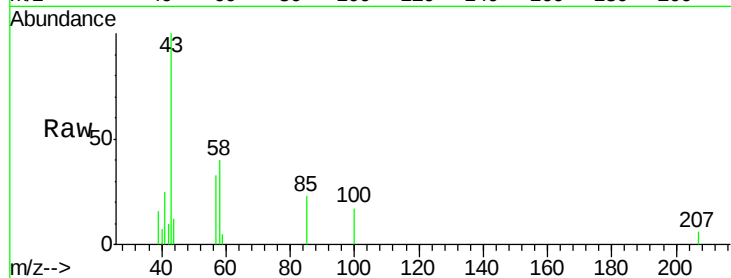




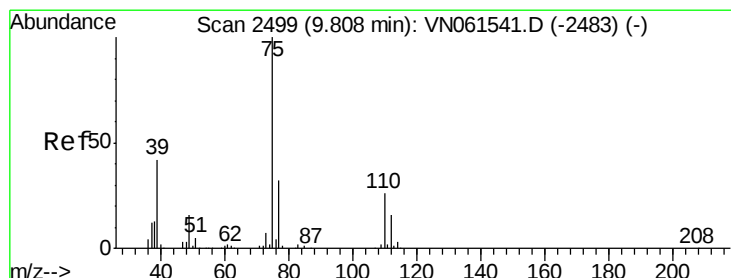
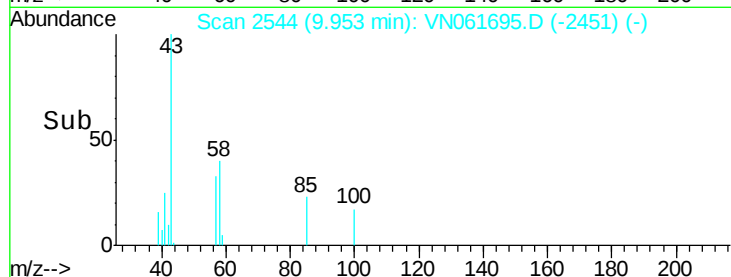
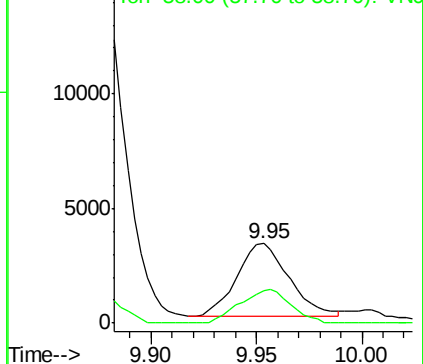
#51
 4-Methyl-2-Pentanone
 Concen: 1.41 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

Instrument :
 MSVOA_N
 ClientSampled :
 GEN

Tgt Ion: 43 Resp: 5503
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.0 52.6

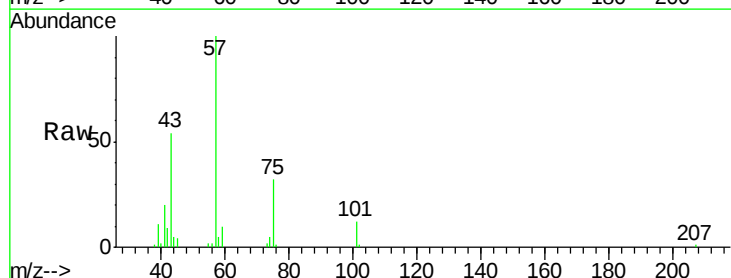


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

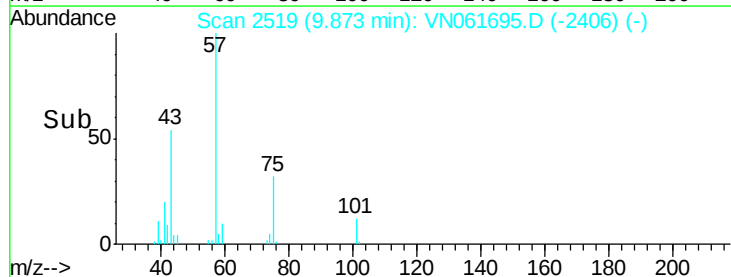
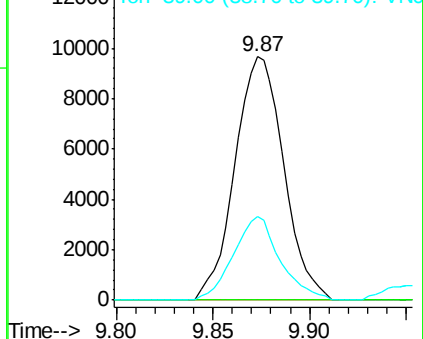


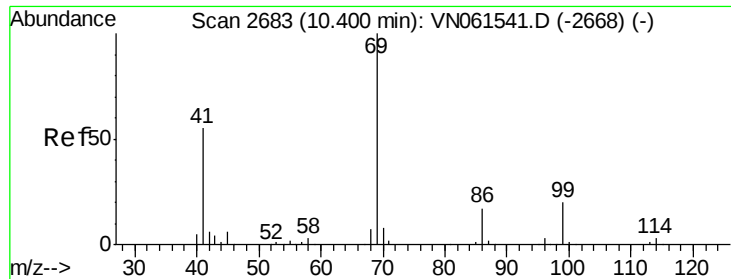
#54
 cis-1,3-Dichloropropene
 Concen: 2.74 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061695.D
 Acq: 8 Jun 2020 14:57

Tgt Ion: 75 Resp: 16946
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 34.3 33.8 50.6



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





#56

Ethyl methacrylate

Concen: 0.25 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampled :

GEN

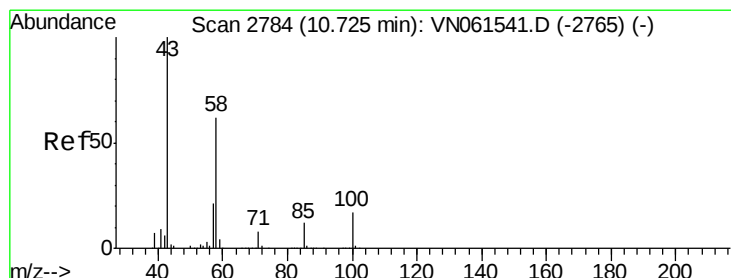
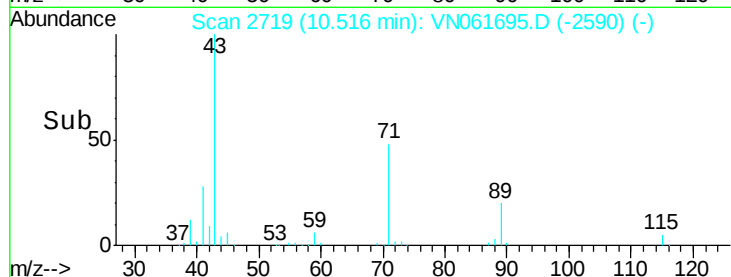
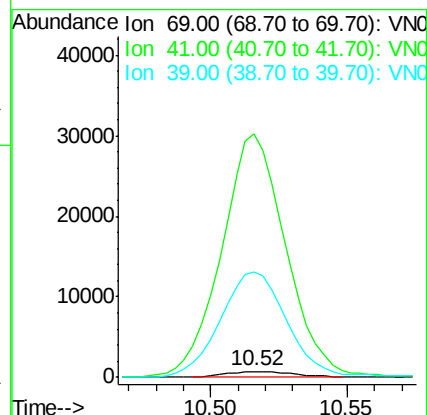
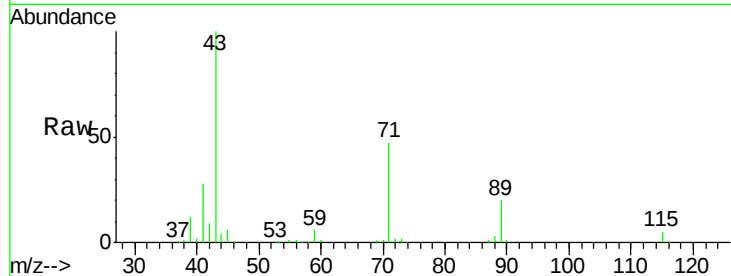
Tgt Ion: 69 Resp: 1319

Ion Ratio Lower Upper

69 100

41 3764.2 43.5 65.3#

39 1683.3 27.0 40.6#



#59

2-Hexanone

Concen: 3.76 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.01 min

Lab File: VN061695.D

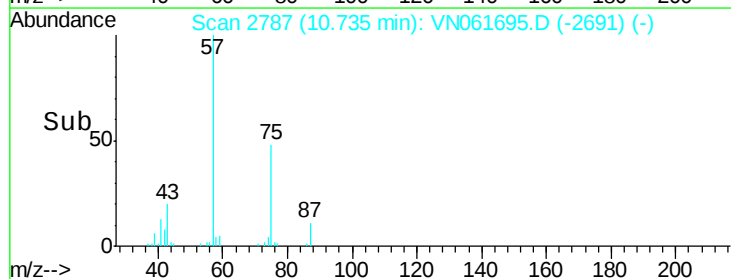
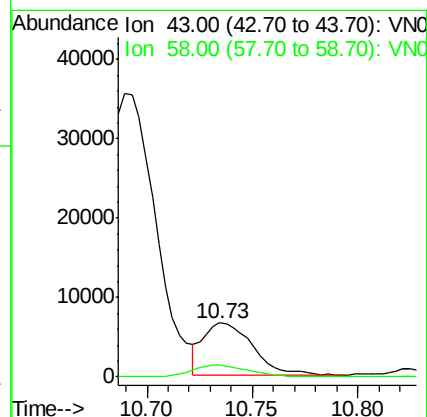
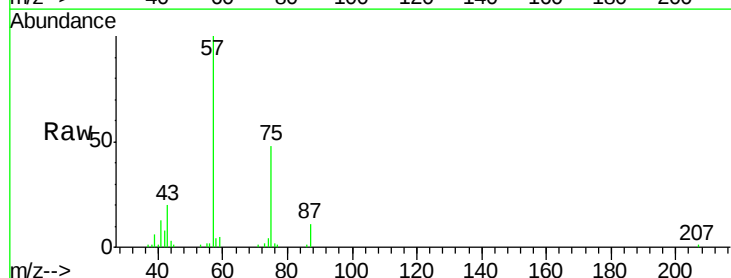
Acq: 8 Jun 2020 14:57

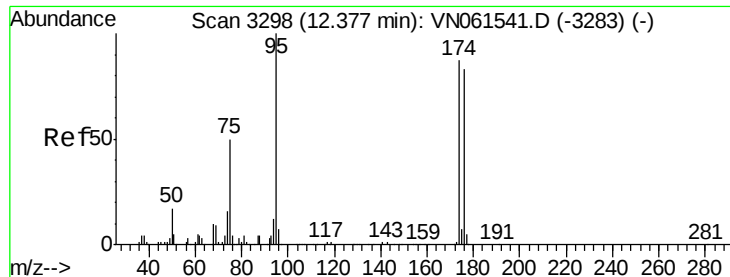
Tgt Ion: 43 Resp: 10573

Ion Ratio Lower Upper

43 100

58 25.1 30.7 92.1#





#62

4-Bromofluorobenzene

Concen: 50.25 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampleId :

GEN

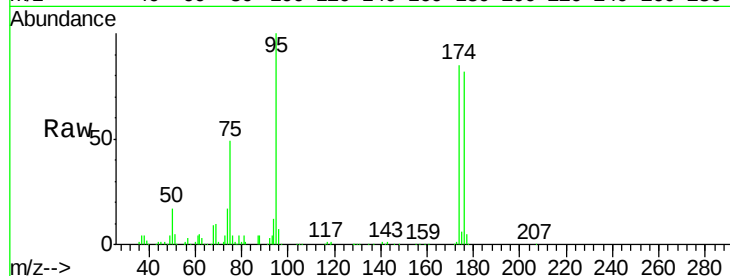
Tgt Ion: 95 Resp: 233393

Ion Ratio Lower Upper

95 100

174 86.9 0.0 172.8

176 82.7 0.0 164.8

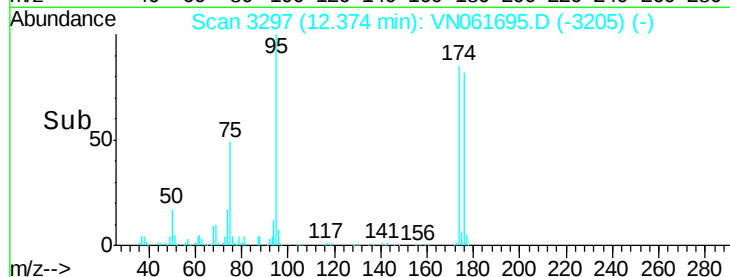


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)

Time-->

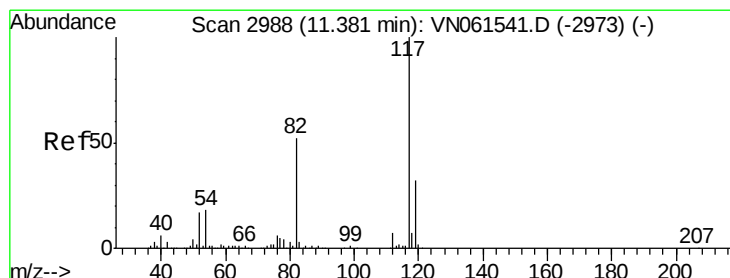


Abundance Ion 94.90 (94.60 to 95.60): VN061695.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061695.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061695.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

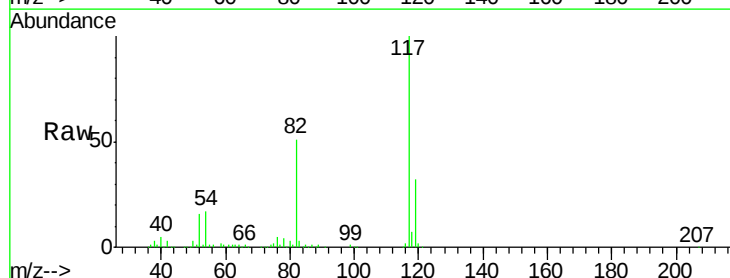
Tgt Ion: 117 Resp: 542630

Ion Ratio Lower Upper

117 100

82 50.6 41.5 62.3

119 31.9 25.6 38.4

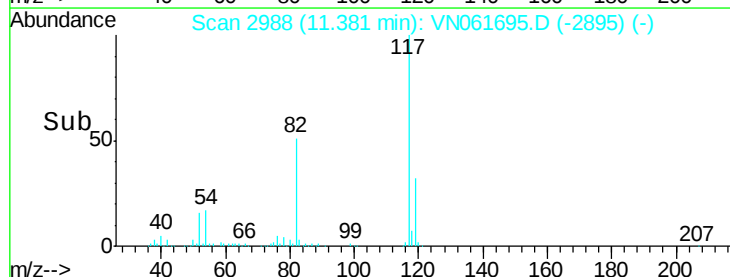


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)

Time-->

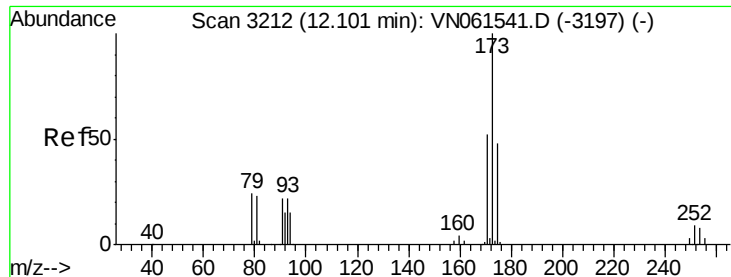


Abundance Ion 116.90 (116.60 to 117.60): VN061695.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061695.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061695.D (-2895) (-)

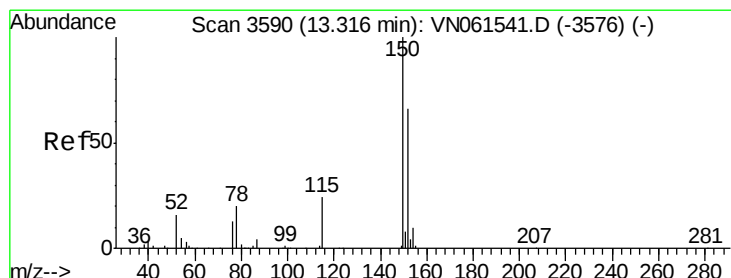
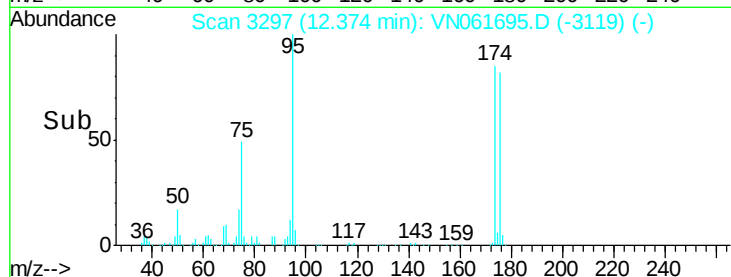
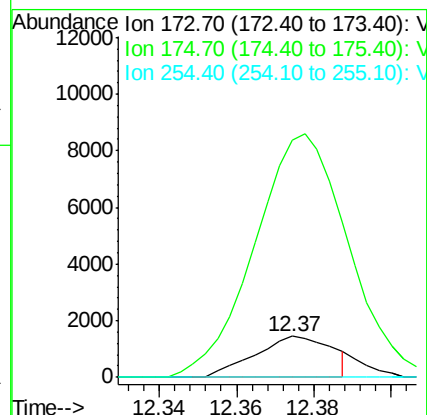
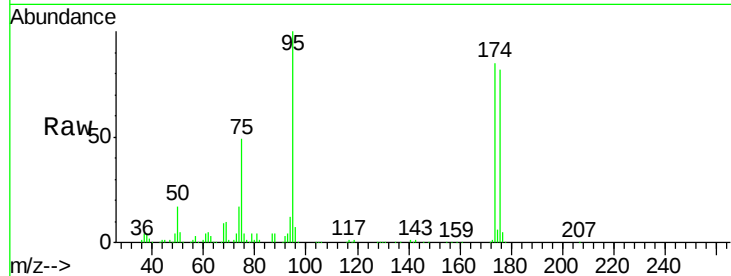
Time-->



#71
Bromoform
Concen: 0.62 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061695.D
Acq: 8 Jun 2020 14:57

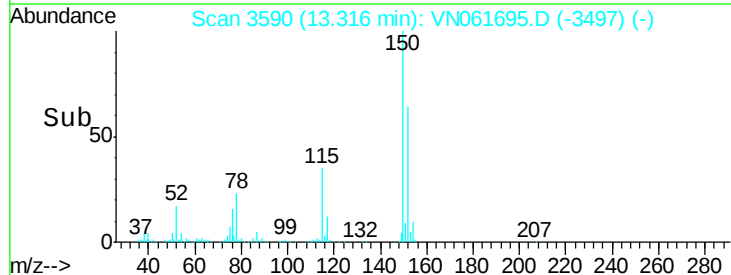
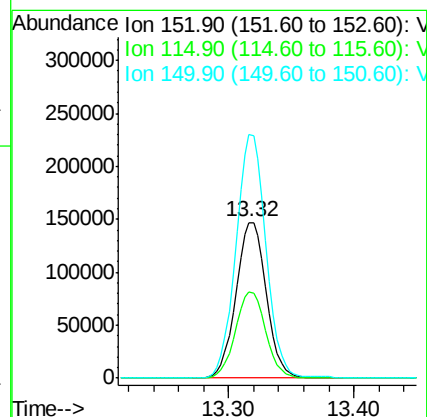
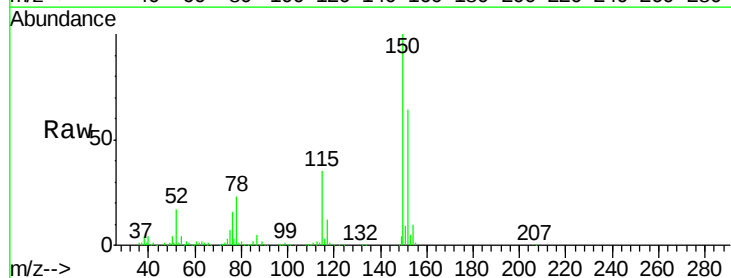
Instrument :
MSVOA_N
ClientSampleId :
GEN

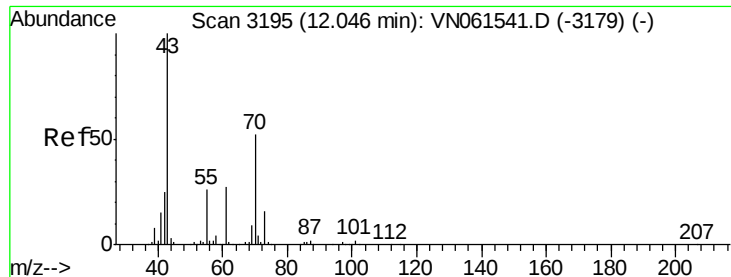
Tgt Ion:173 Resp: 1996
Ion Ratio Lower Upper
173 100
175 620.2 24.4 73.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061695.D
Acq: 8 Jun 2020 14:57

Tgt Ion:152 Resp: 246411
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 154.6 0.0 344.0





#74

N-ethyl acetate

Concen: 0.44 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampled :

GEN

Tgt Ion: 43 Resp: 2493

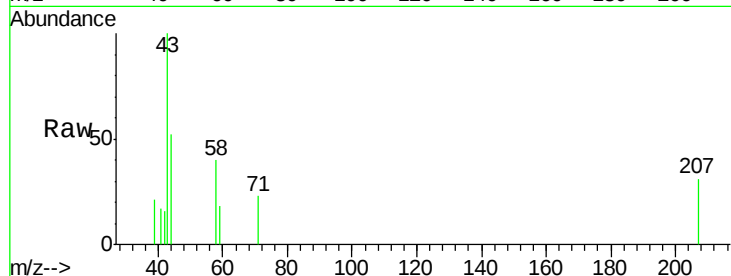
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

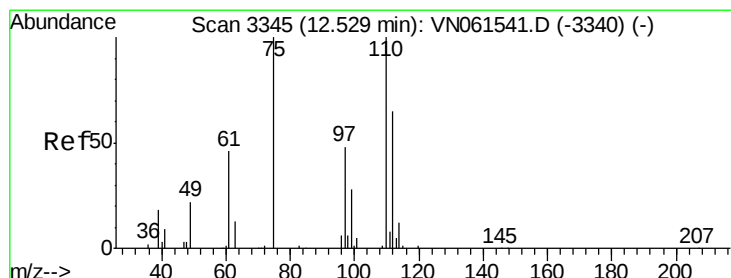
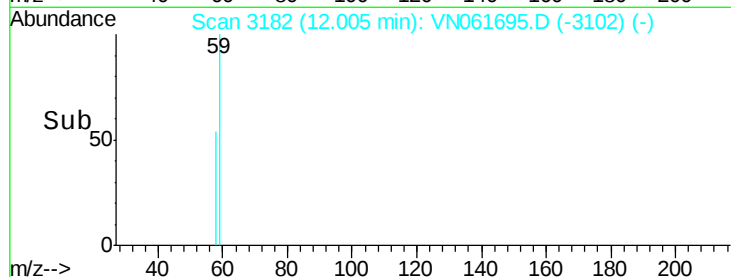
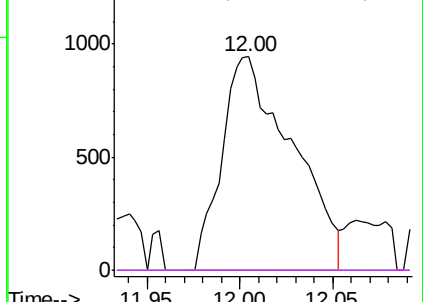


Abundance Ion 43.00 (42.70 to 43.70): VN061695.D (-3182) (-)

Ion 70.00 (69.70 to 70.70): VN061695.D (-3182) (-)

Ion 55.00 (54.70 to 55.70): VN061695.D (-3182) (-)

Ion 61.00 (60.70 to 61.70): VN061695.D (-3182) (-)



#76

1,2,3-Trichloropropane

Concen: 25.28 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061695.D

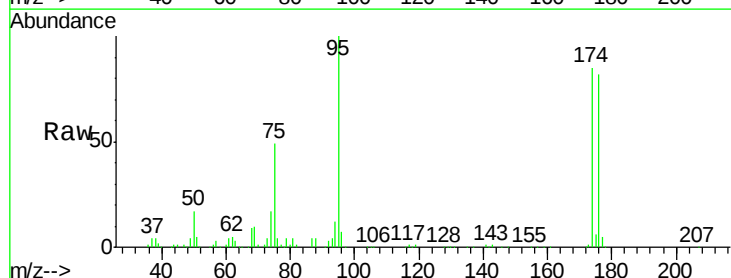
Acq: 8 Jun 2020 14:57

Tgt Ion: 75 Resp: 113261

Ion Ratio Lower Upper

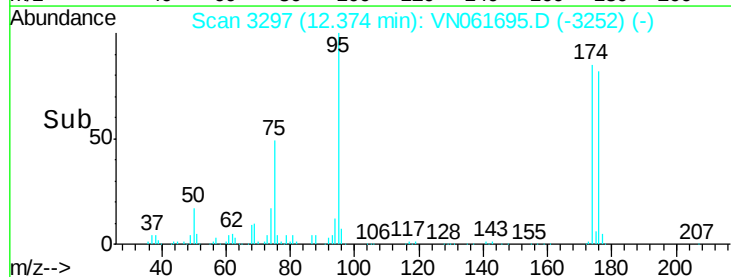
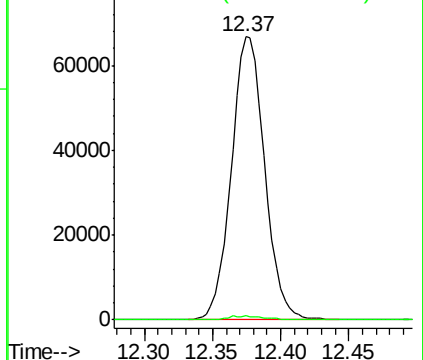
75 100

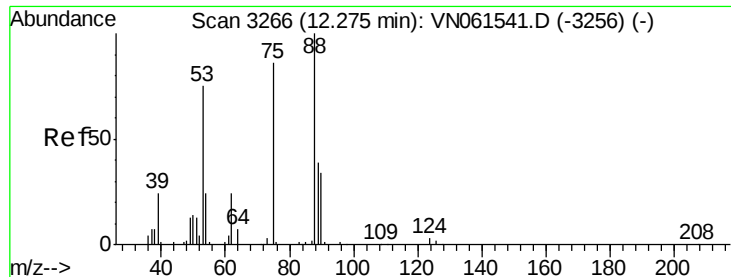
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061695.D (-3297) (-)

Ion 77.00 (76.70 to 77.70): VN061695.D (-3297) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 64.64 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061695.D

Acq: 8 Jun 2020 14:57

Instrument :

MSVOA_N

ClientSampleId :

GEN

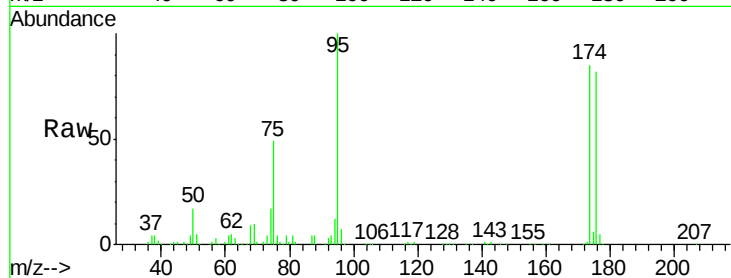
Tgt Ion: 75 Resp: 113261

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061695.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061695.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061695.D (-3173) (-)

