

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059788.D
 Acq On : 20 Jan 2020 15:43
 Operator : JC/MD
 Sample : L1175-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 21 01:18:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	308790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	113392	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	108466	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
35) Dibromofluoromethane	7.57	113	93637	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
50) Toluene-d8	10.08	98	362402	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	120180	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

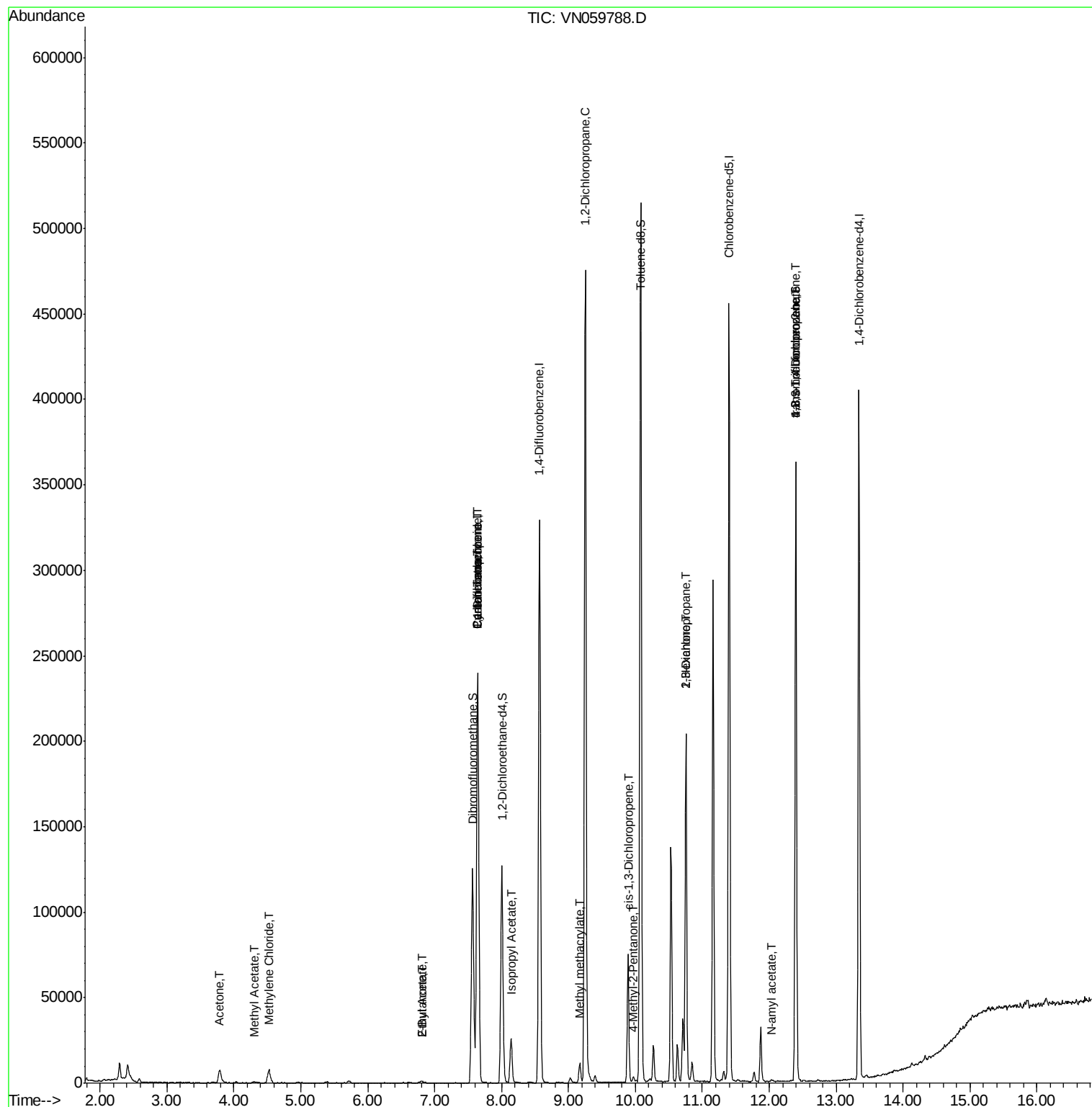
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	13242	7.132	ug/l	92
18) Methyl Acetate	4.30	43	1639	0.609	ug/l #	68
20) Methylene Chloride	4.52	84	6395	1.822	ug/l #	73
25) 2-Butanone	6.82	43	1573	1.206	ug/l #	50
31) Cyclohexane	7.64	56	3605	1.058	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13603	5.059	ug/l #	51
37) Ethyl Acetate	6.82	43	1573	0.624	ug/l #	69
38) Carbon Tetrachloride	7.64	117	18764	6.415	ug/l #	16
43) Isopropyl Acetate	8.14	43	30873	7.117	ug/l	92
45) 1,2-Dichloropropane	9.25	63	636	0.320	ug/l #	44
48) Methyl methacrylate	9.17	41	1731	0.892	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2313	0.922	ug/l #	80
54) cis-1,3-Dichloropropene	9.89	75	14069	4.245	ug/l #	58
57) 1,3-Dichloropropane	10.75	76	2035	0.639	ug/l #	42
59) 2-Hexanone	10.75	43	28459	15.404	ug/l #	56
74) N-amyl acetate	12.03	43	1661	0.515	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	60258	31.577	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60258	67.812	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31	Below Cal	#	6

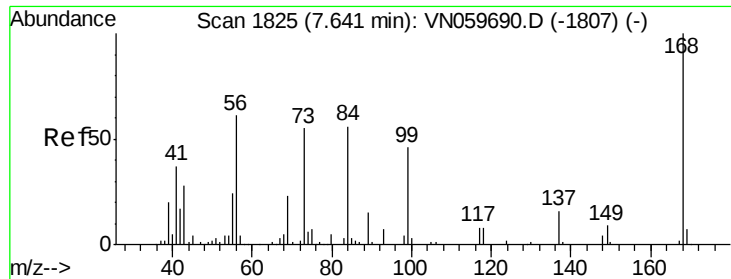
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 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: VN059788.D

Acq: 20 Jan 2020 15:43

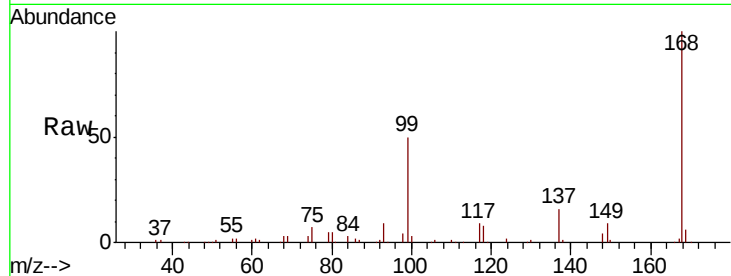
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 207392

Ion Ratio Lower Upper

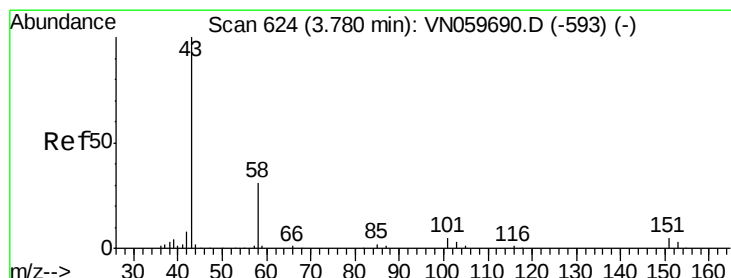
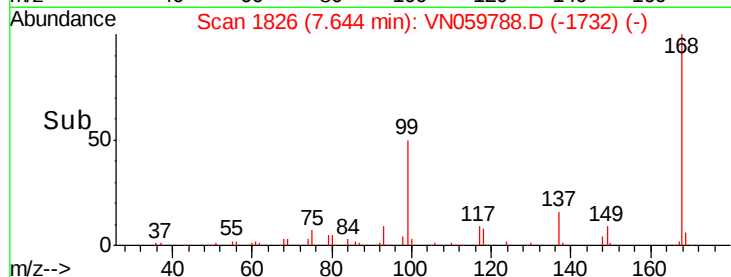
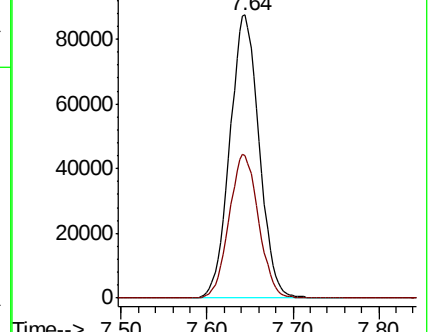
168 100

99 50.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 7.132 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN059788.D

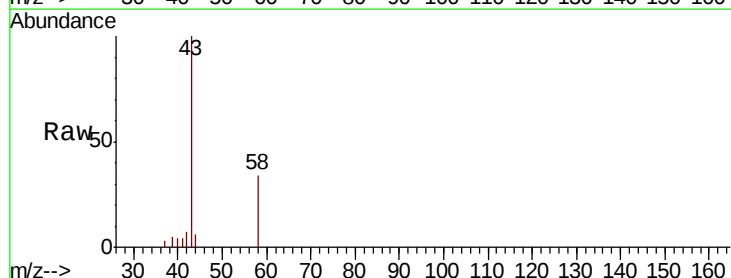
Acq: 20 Jan 2020 15:43

Tgt Ion: 43 Resp: 13242

Ion Ratio Lower Upper

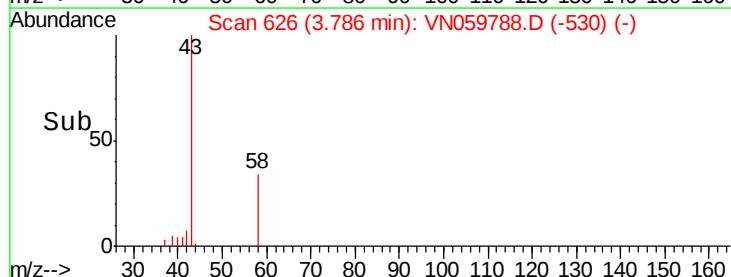
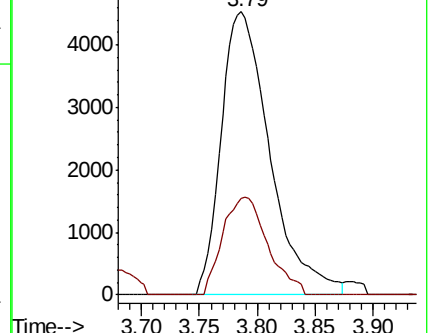
43 100

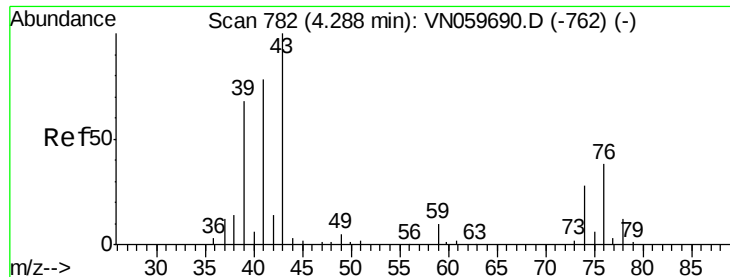
58 33.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

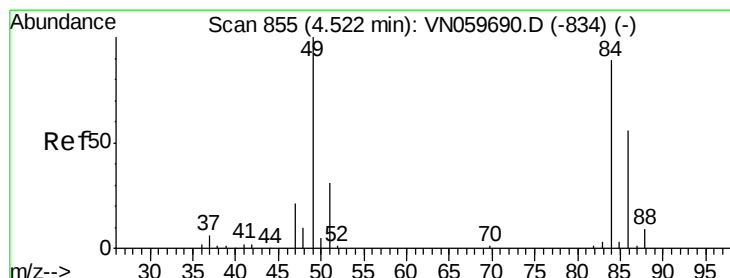
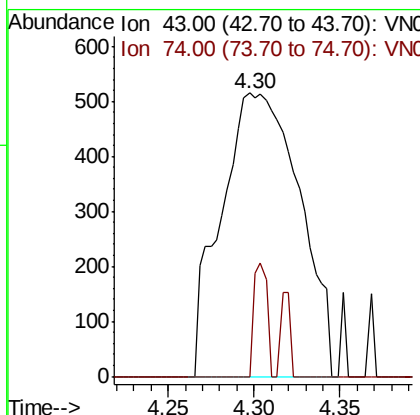
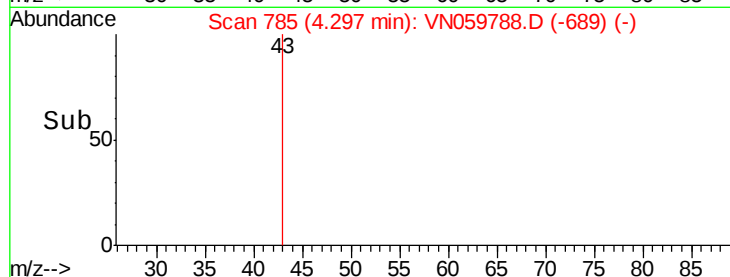
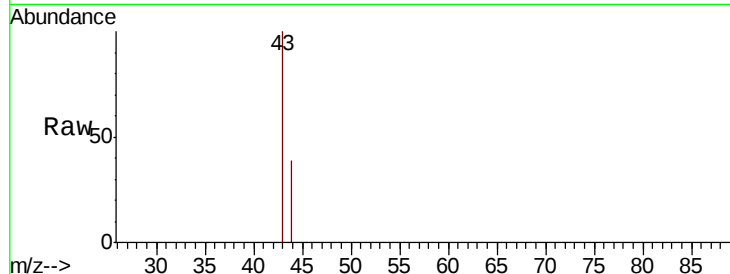




#18
Methvl Acetate
Concen: 0.609 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

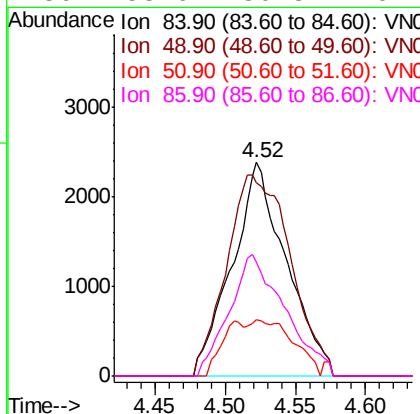
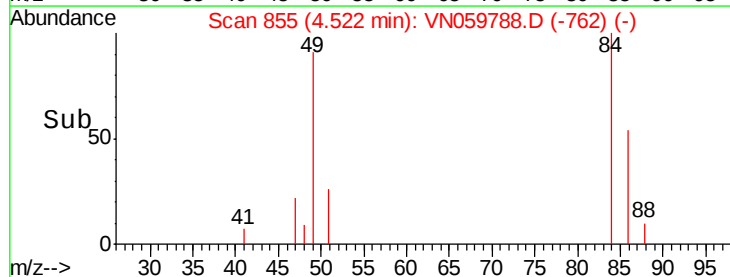
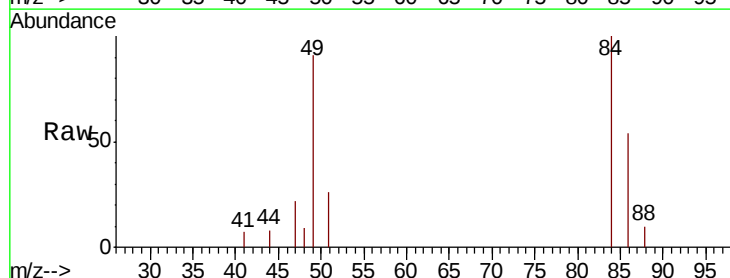
Instrument :
MSVOA_N
ClientSampleId :

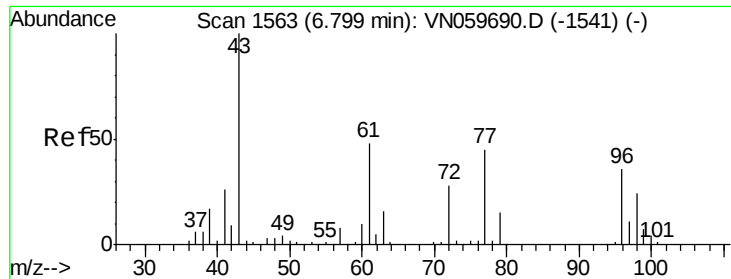
Tot Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
74 6.7 17.5 26.3#



#20
Methylene Chloride
Concen: 1.822 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

Tgt Ion: 84 Resp: 6395
Ion Ratio Lower Upper
84 100
49 90.8 106.6 160.0#
51 26.1 31.9 47.9#
86 53.6 50.8 76.2

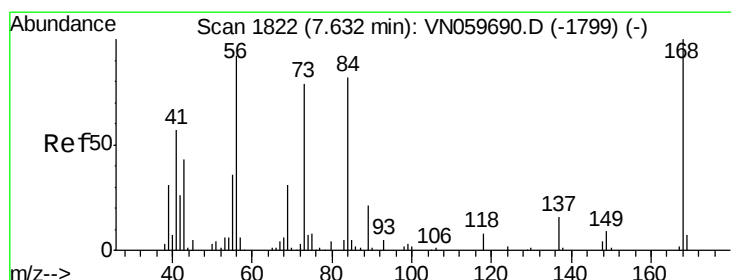
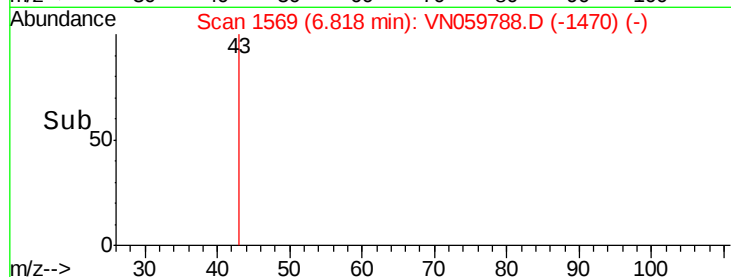
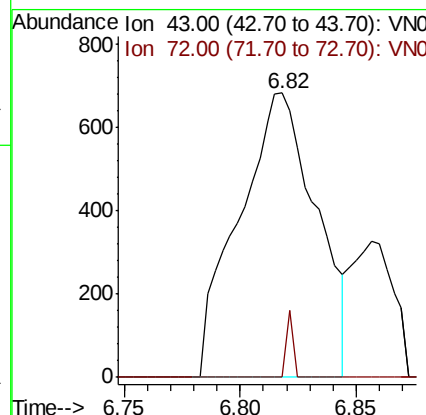
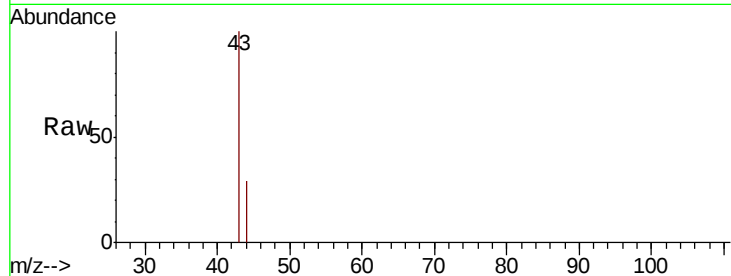




#25
2-Butanone
Concen: 1.206 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

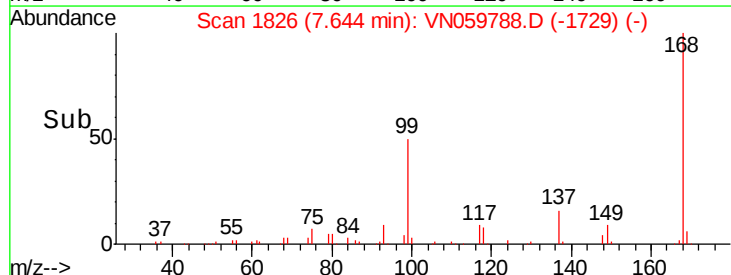
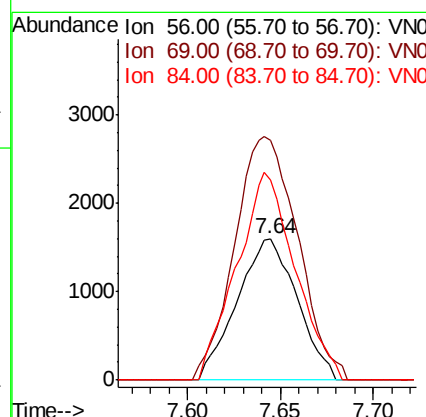
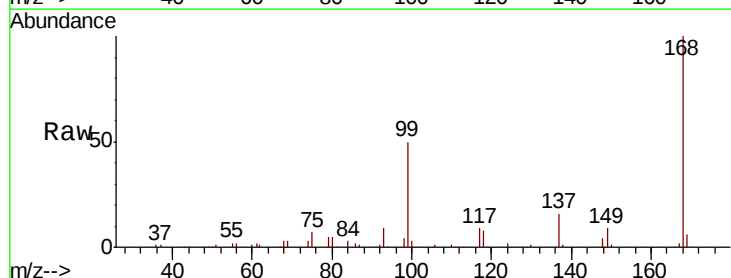
Instrument :
MSVOA_N
ClientSampleId :

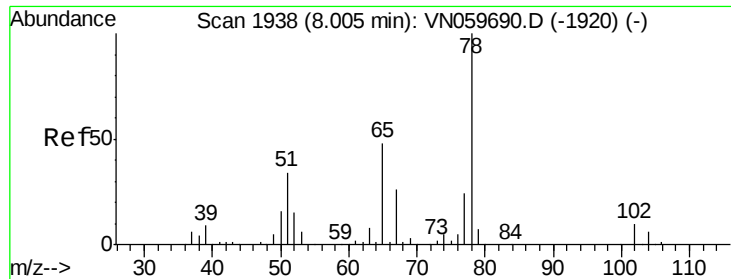
Tot Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#31
Cyclohexane
Concen: 1.058 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

Tgt Ion: 56 Resp: 3605
Ion Ratio Lower Upper
56 100
69 169.3 26.5 39.7#
84 142.0 65.3 97.9#

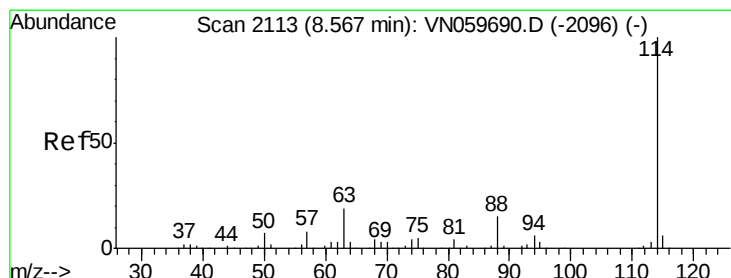
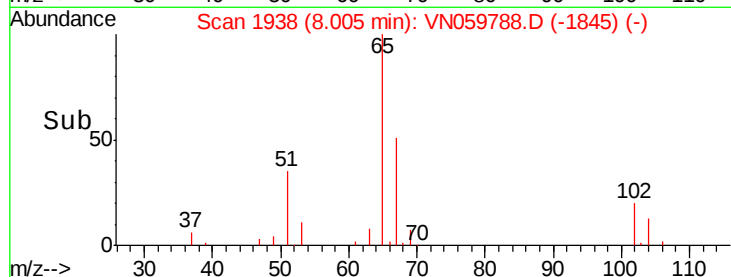
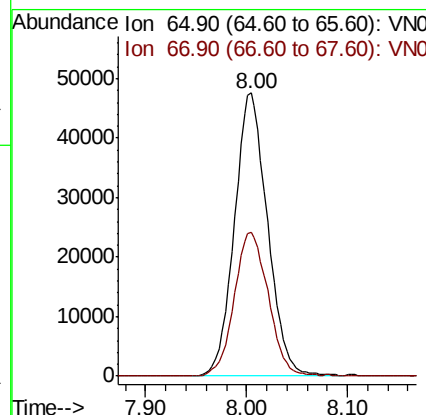
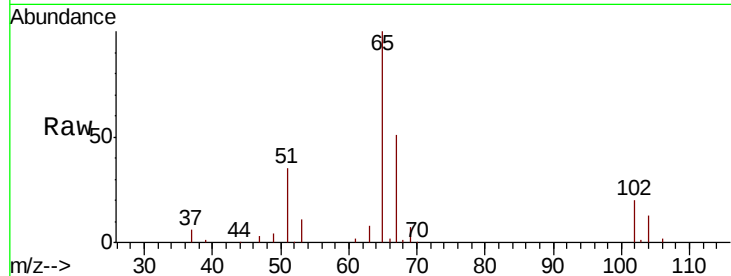




#33
 1,2-Dichloroethane-d4
 Concen: 47.095 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059788.D
 Acq: 20 Jan 2020 15:43

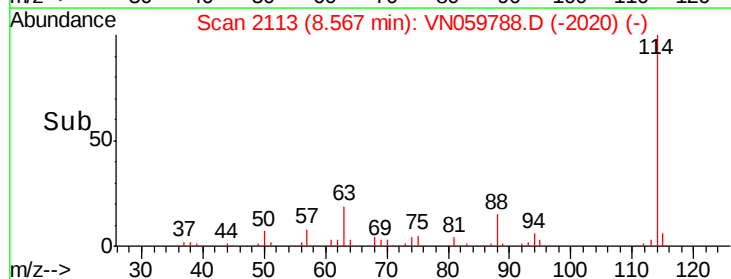
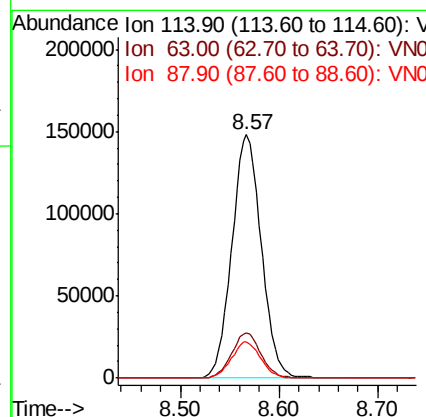
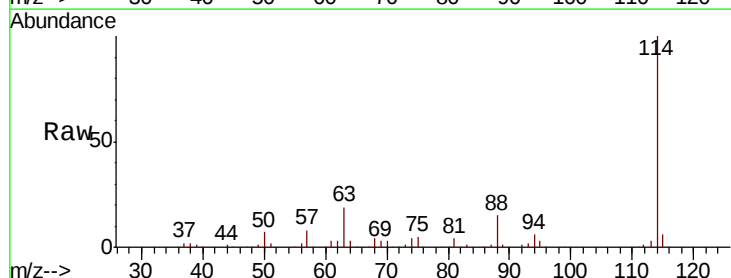
Instrument :
 MSVOA_N
 ClientSampleId :

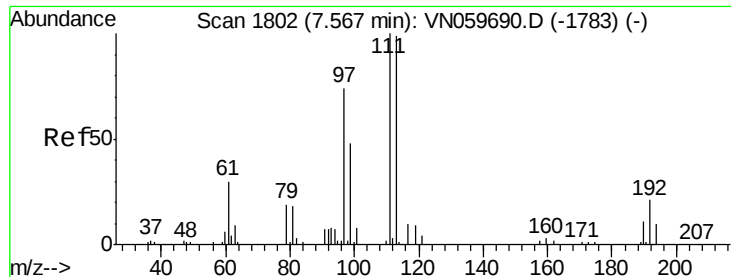
Tot Ion: 65 Resp: 108466
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059788.D
 Acq: 20 Jan 2020 15:43

Tgt Ion: 114 Resp: 308790
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 43.6
 88 14.8 0.0 31.4

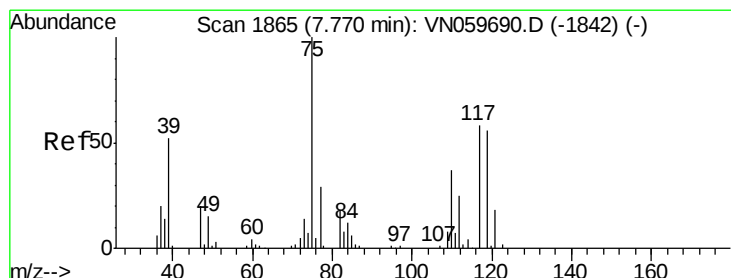
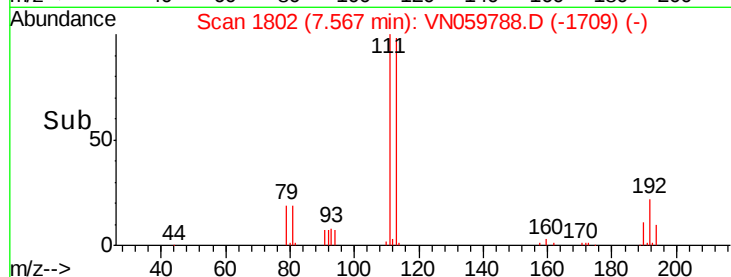
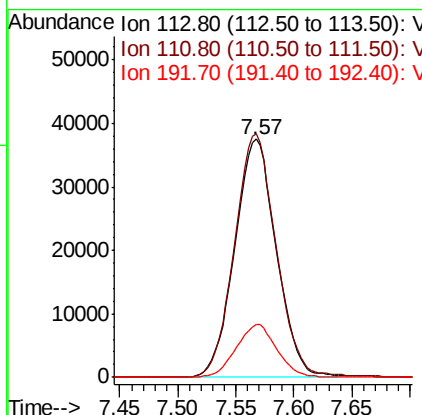
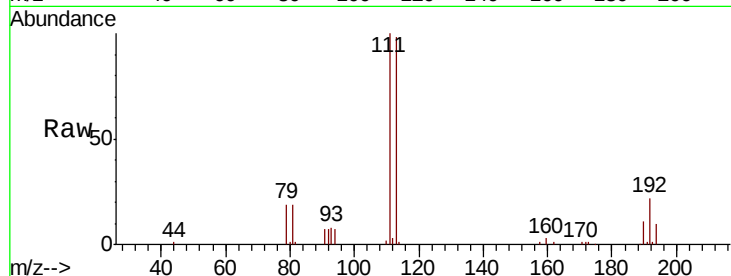




#35
 Dibromofluoromethane
 Concen: 50.850 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059788.D
 Acq: 20 Jan 2020 15:43

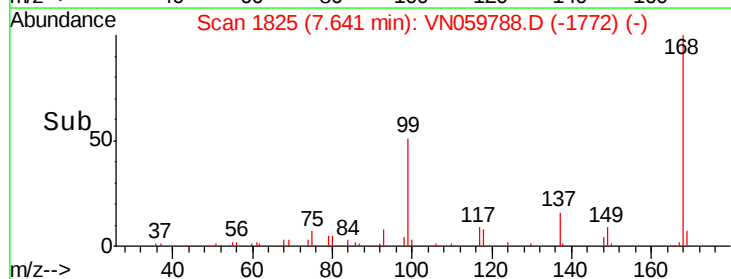
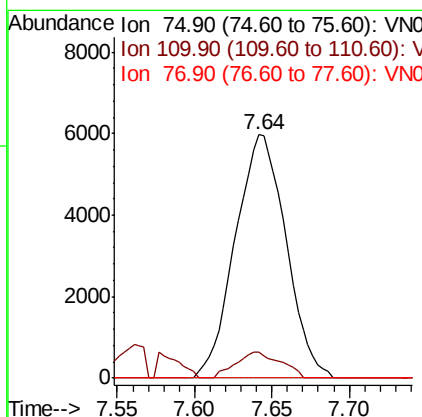
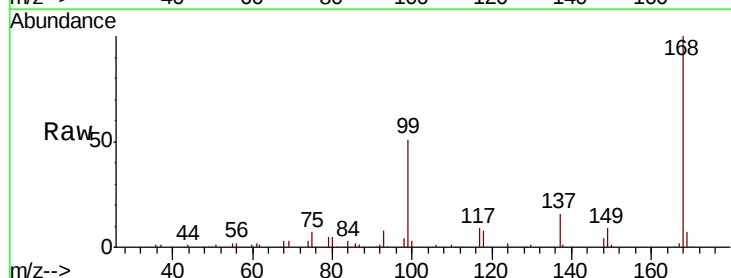
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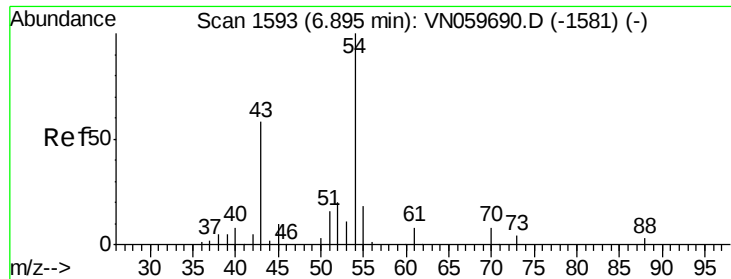
Tot Ion:113 Resp: 93637
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.5 125.3
 192 21.6 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059788.D
 Acq: 20 Jan 2020 15:43

Tgt Ion: 75 Resp: 13603
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.6 49.7#
 77 0.0 25.1 37.7#

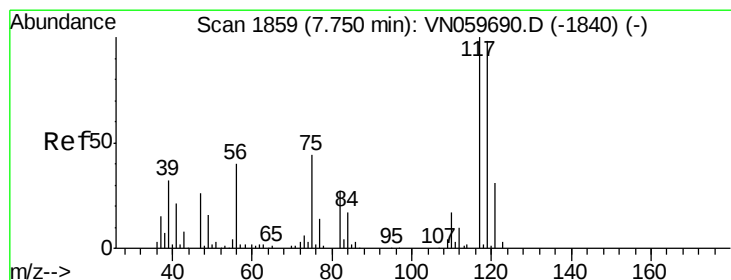
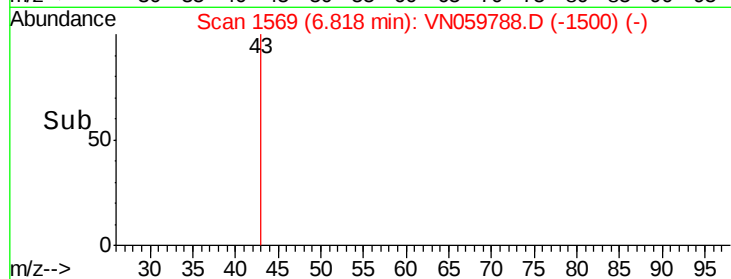
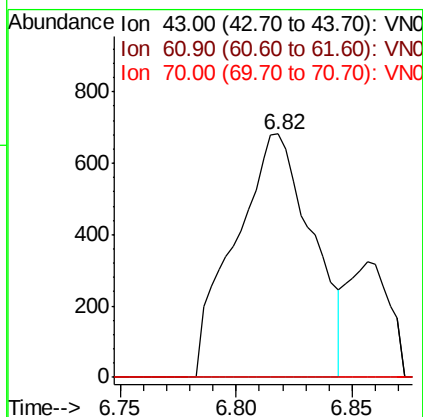
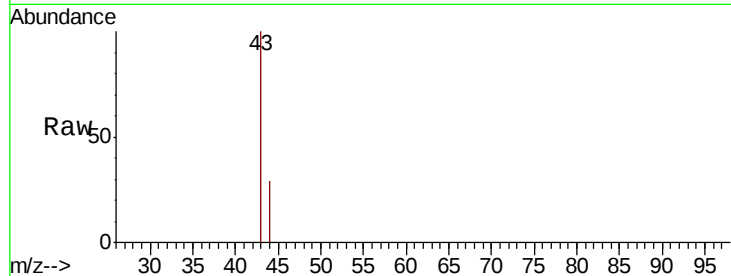




#37
Ethyl Acetate
Concen: 0.624 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.08 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

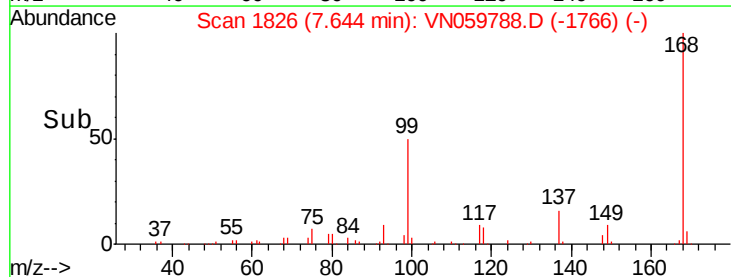
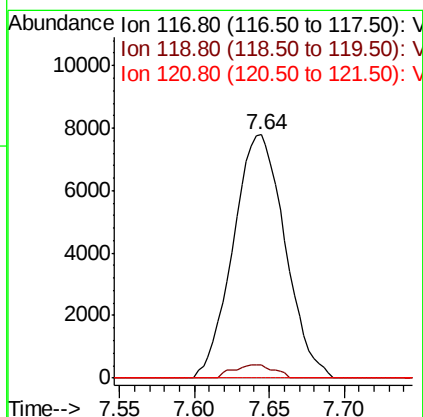
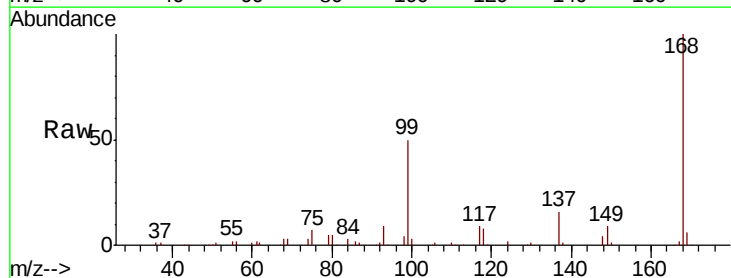
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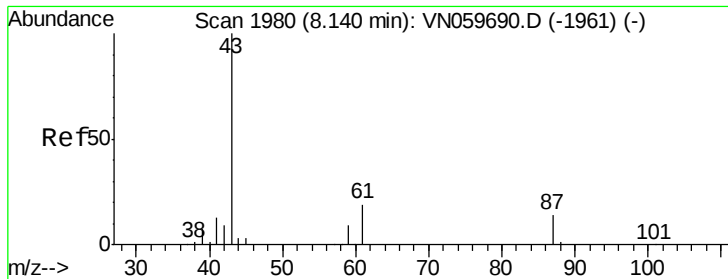
Tot Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.415 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

Tgt Ion: 117 Resp: 18764
Ion Ratio Lower Upper
117 100
119 5.2 76.5 114.7#
121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 7.117 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Instrument :

MSVOA_N

ClientSampleId :

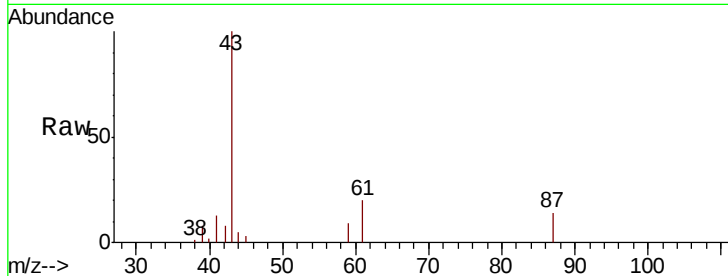
Tot Ion: 43 Resp: 30873

Ion Ratio Lower Upper

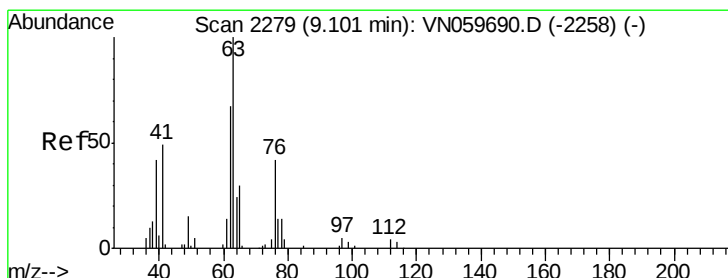
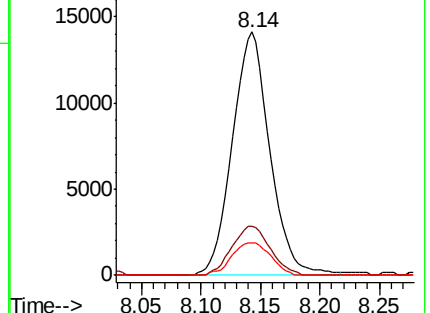
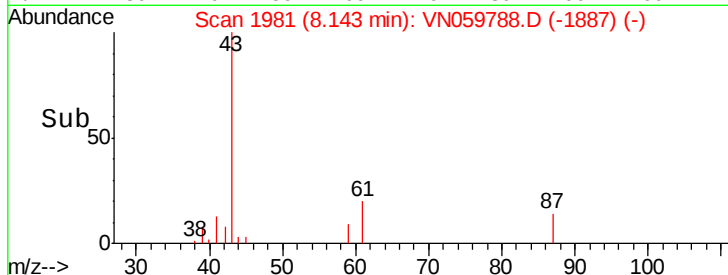
43 100

61 20.6 20.2 30.2

87 14.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059788.D (-1987) (-)



#45

1,2-Dichloropropane

Concen: 0.320 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN059788.D

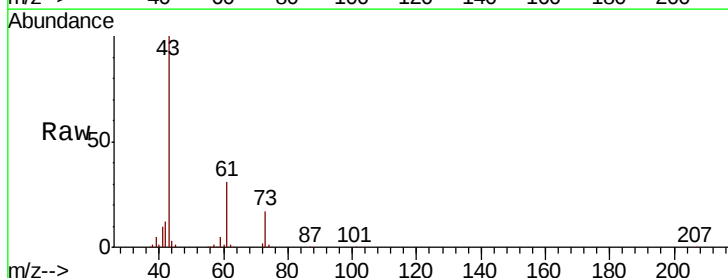
Acq: 20 Jan 2020 15:43

Tgt Ion: 63 Resp: 636

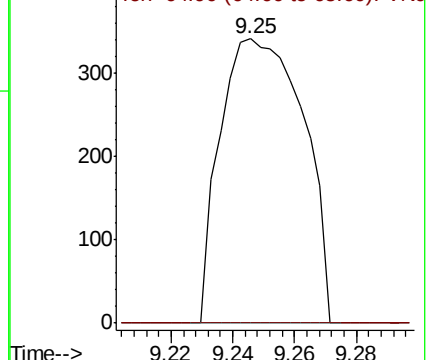
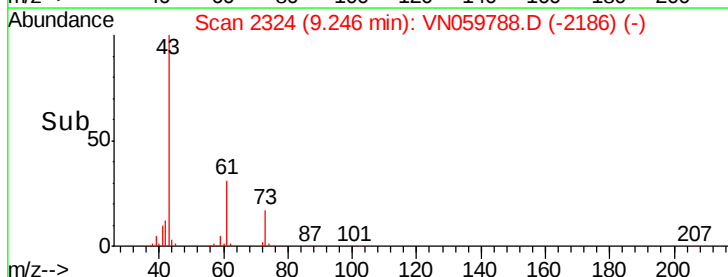
Ion Ratio Lower Upper

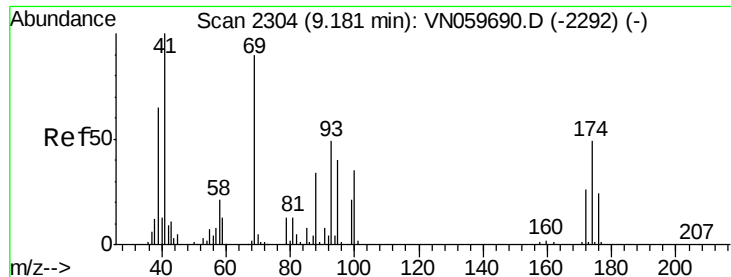
63 100

65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059788.D (-2186) (-)

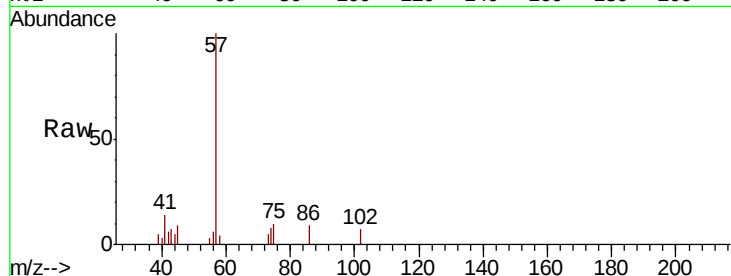




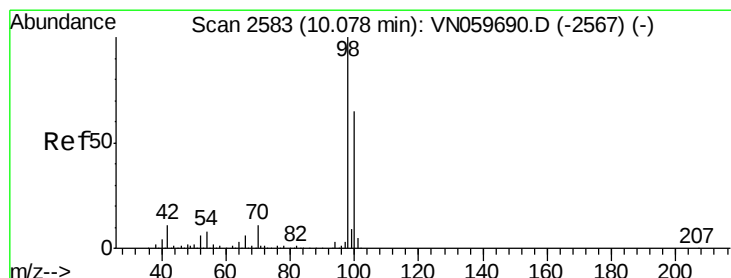
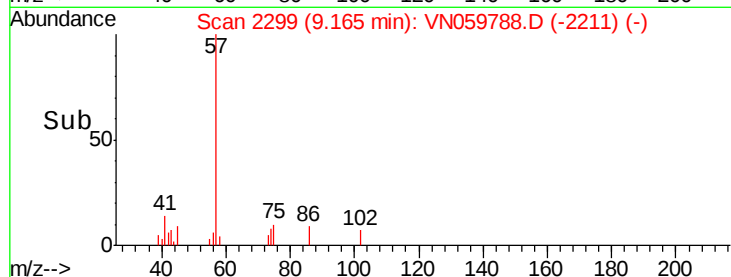
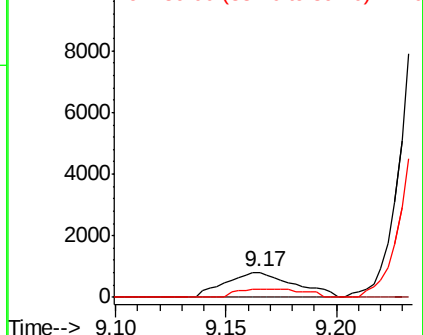
#48
Methvl methacrylate
Concen: 0.892 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 1731
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#

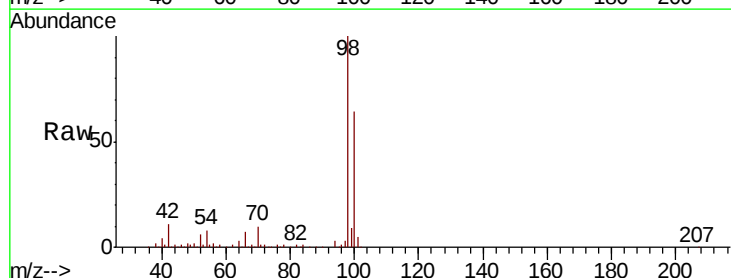


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

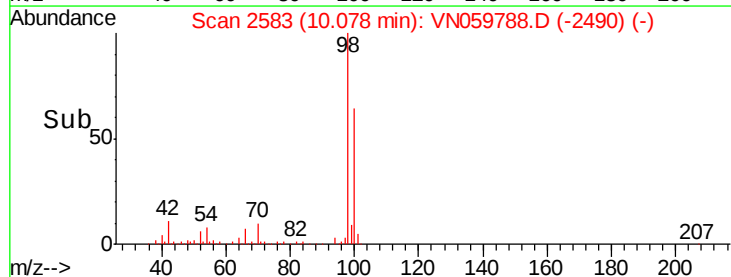
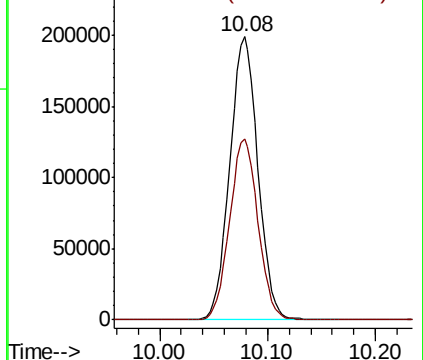


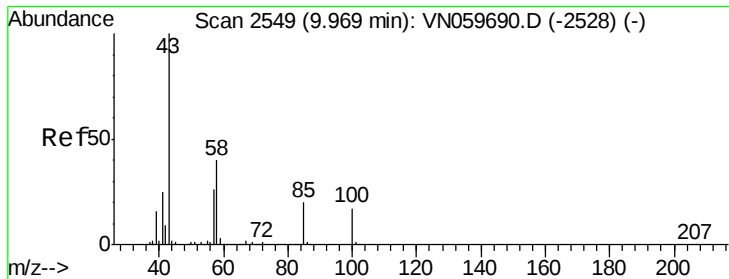
#50
Toluene-d8
Concen: 50.794 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059788.D
Acq: 20 Jan 2020 15:43

Tgt Ion: 98 Resp: 362402
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 0.922 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Instrument :

MSVOA_N

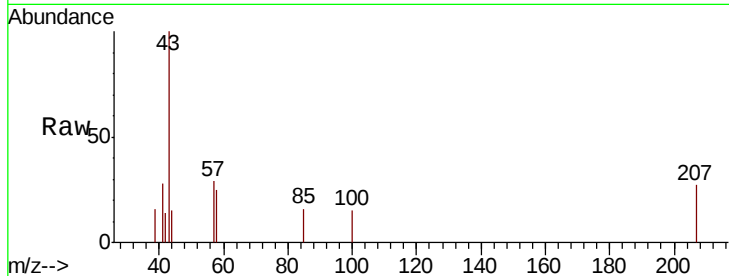
ClientSampled :

Tot Ion: 43 Resp: 2313

Ion Ratio Lower Upper

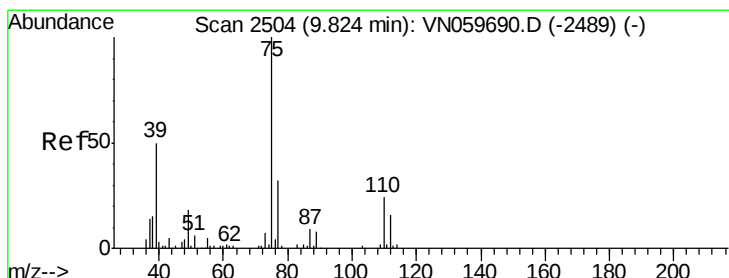
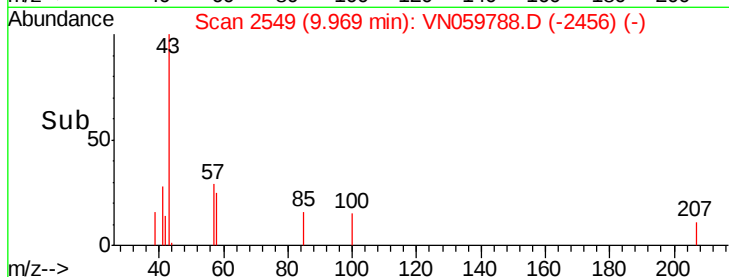
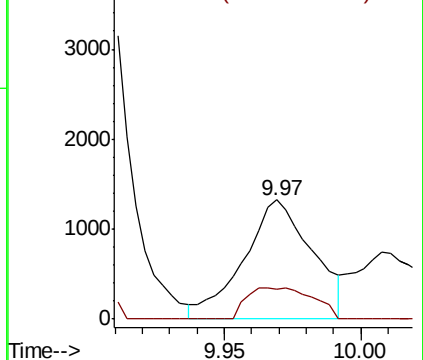
43 100

58 25.3 29.8 44.8#



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: 4.245 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

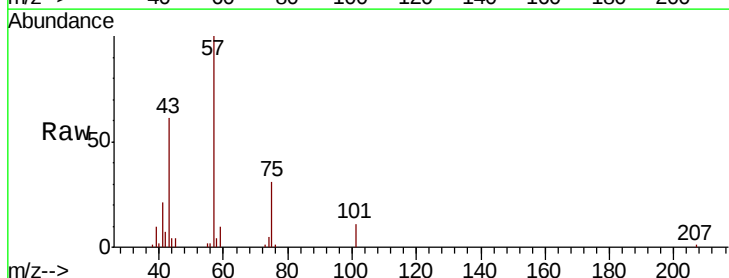
Tgt Ion: 75 Resp: 14069

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

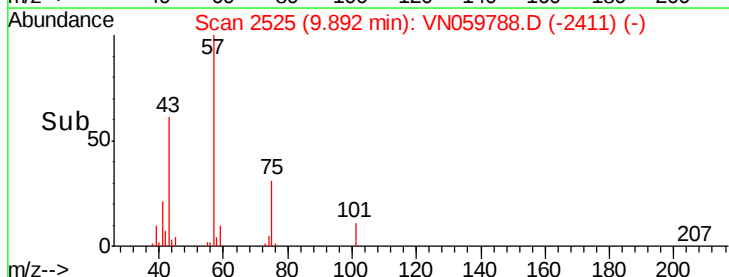
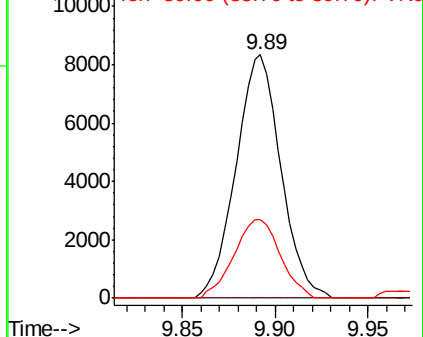
39 32.5 46.1 69.1#

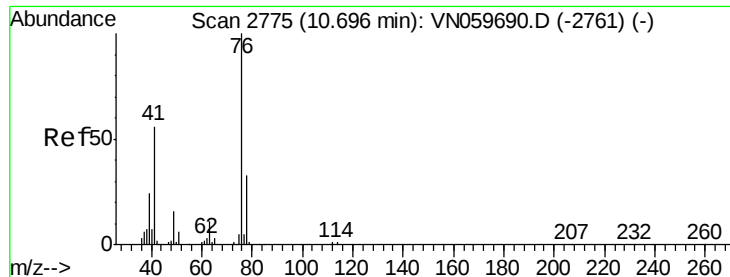


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

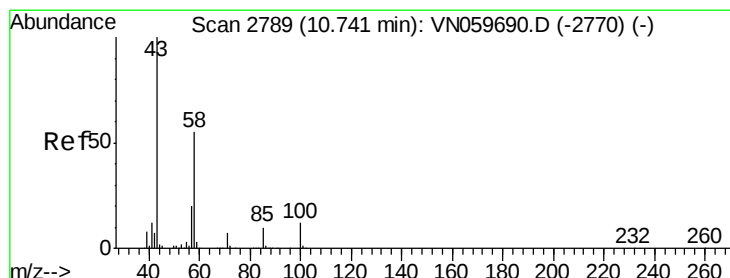
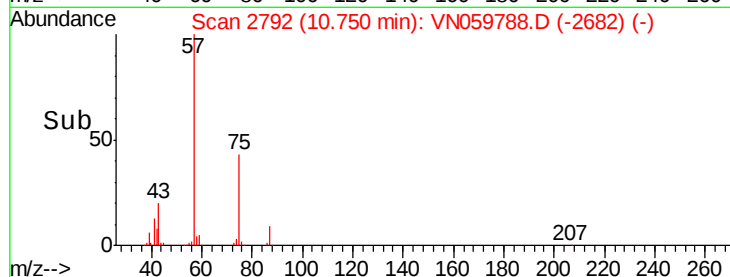
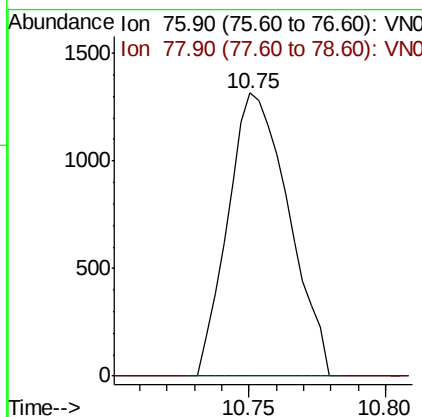
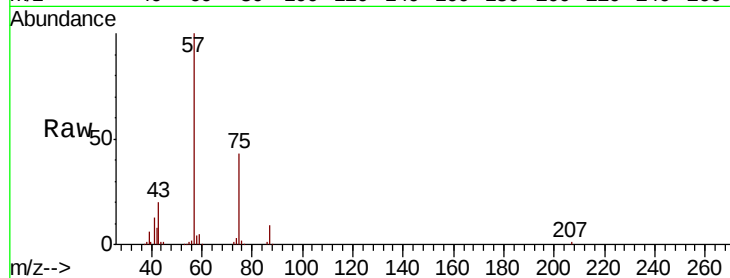




#57
 1,3-Dichloropropane
 Concen: 0.639 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.05 min
 Lab File: VN059788.D
 Acq: 20 Jan 2020 15:43

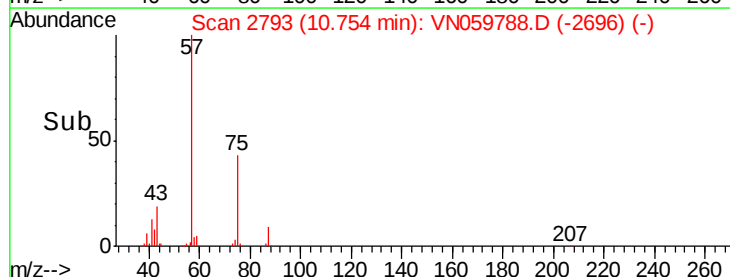
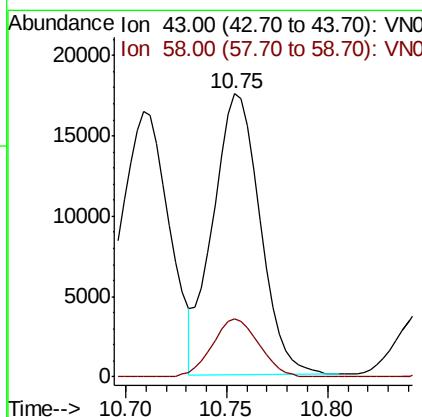
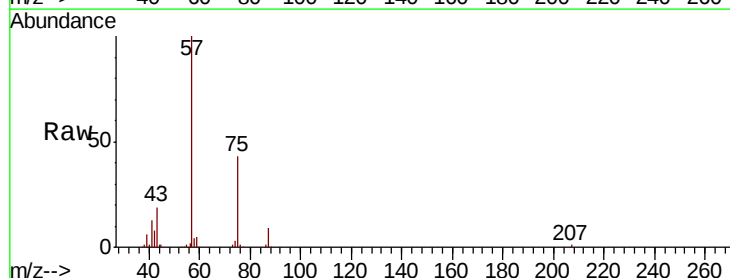
Instrument :
 MSVOA_N
 ClientSampled :

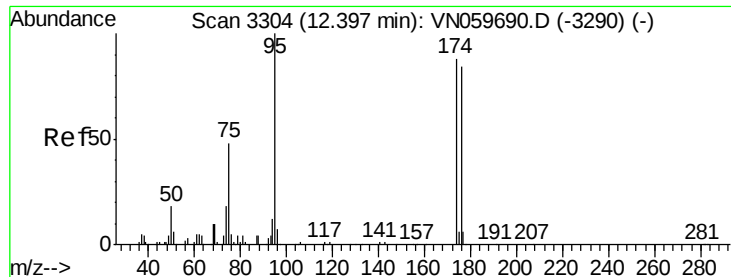
Tot Ion: 76 Resp: 2035
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 15.404 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059788.D
 Acq: 20 Jan 2020 15:43

Tgt Ion: 43 Resp: 28459
 Ion Ratio Lower Upper
 43 100
 58 20.4 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 46.725 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Instrument :

MSVOA_N

ClientSampled :

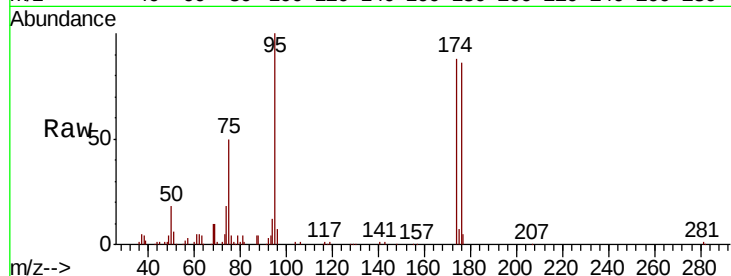
Tot Ion: 95 Resp: 120180

Ion Ratio Lower Upper

95 100

174 88.7 0.0 151.4

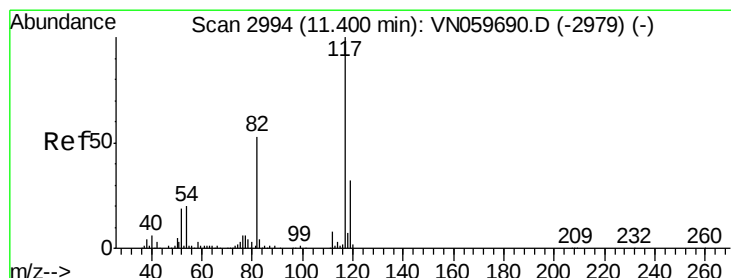
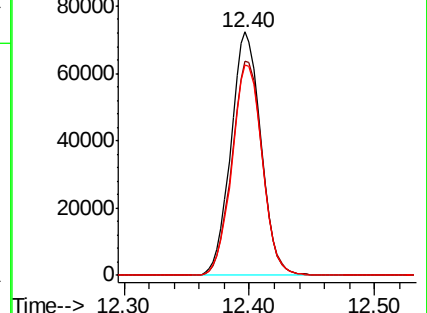
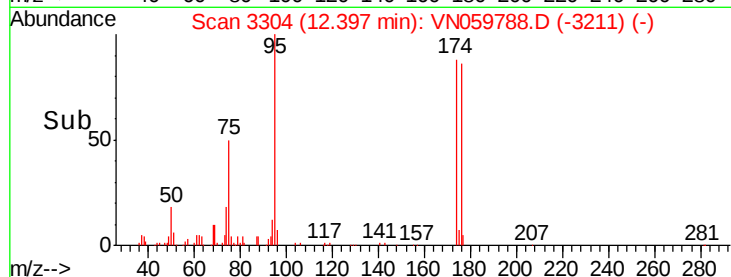
176 87.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059788.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059788.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059788.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

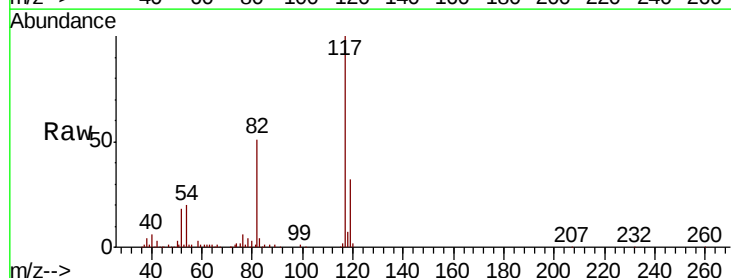
Tgt Ion: 117 Resp: 271928

Ion Ratio Lower Upper

117 100

82 51.4 45.9 68.9

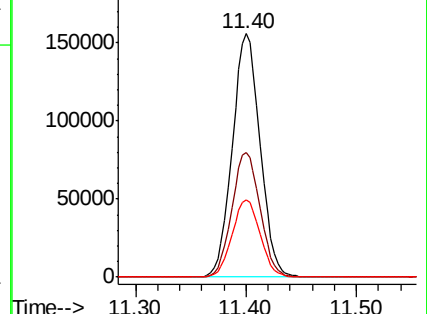
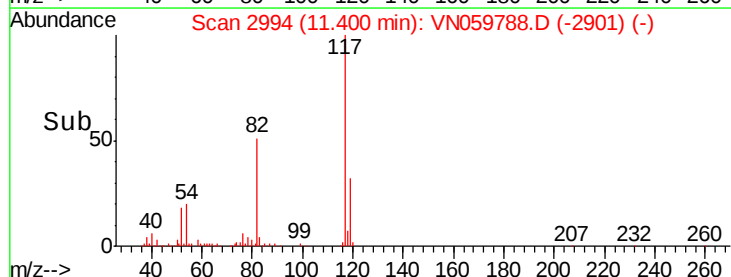
119 31.9 25.5 38.3

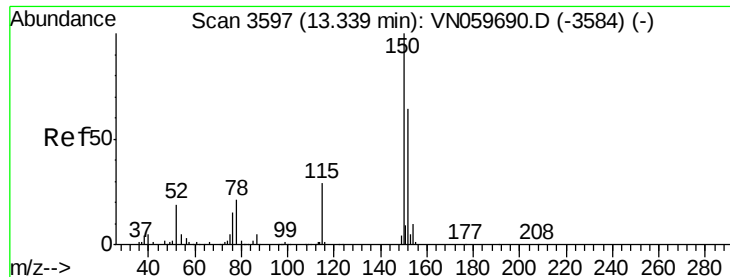


Abundance Ion 116.90 (116.60 to 117.60): VN059788.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059788.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059788.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Instrument :

MSVOA_N

ClientSampleId :

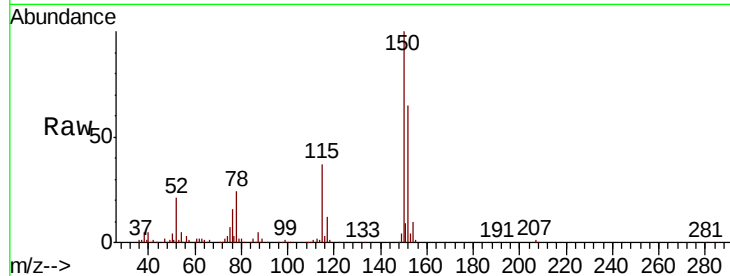
Tot Ion:152 Resp: 113392

Ion Ratio Lower Upper

152 100

115 56.2 30.3 90.9

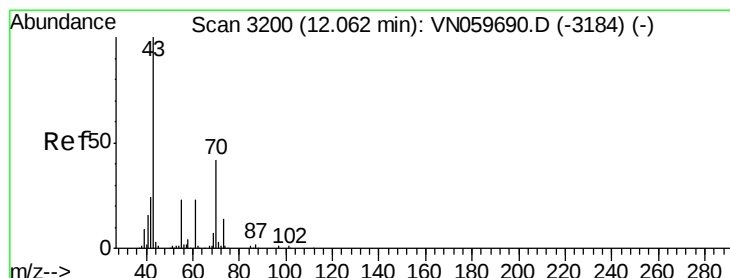
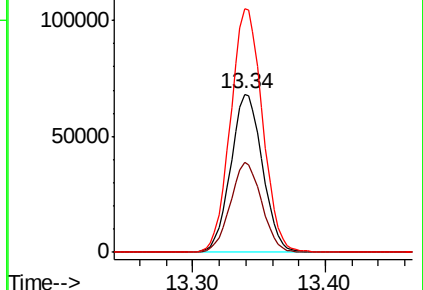
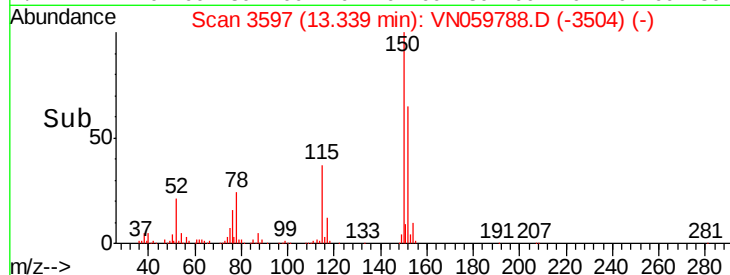
150 155.1 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.515 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Tgt Ion: 43 Resp: 1661

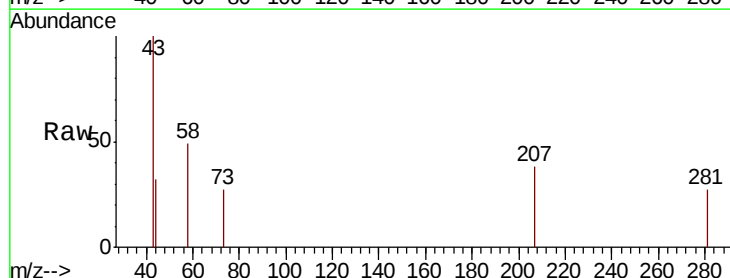
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

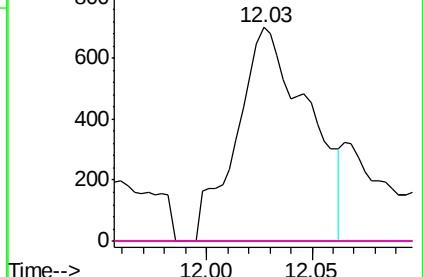
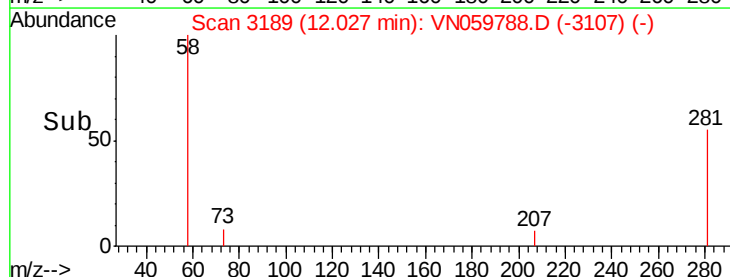


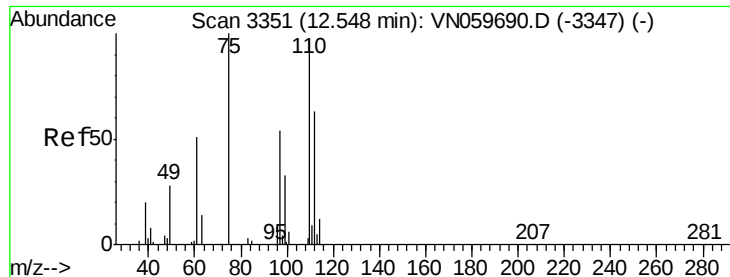
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 31.577 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Instrument :

MSVOA_N

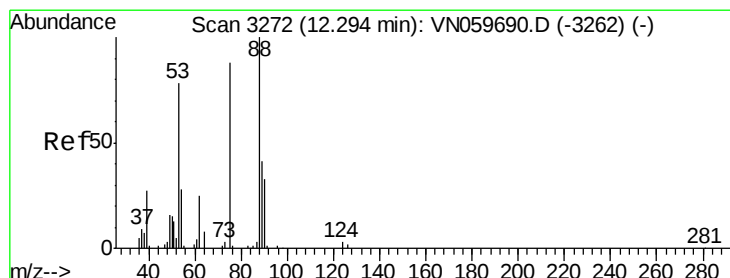
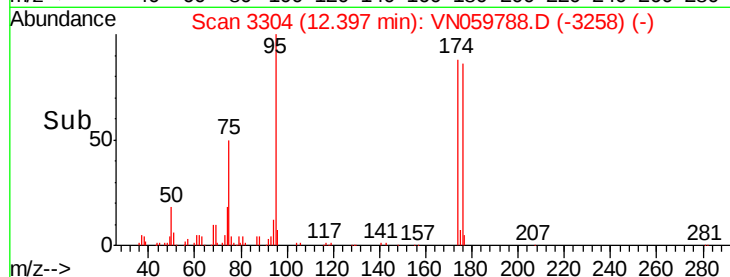
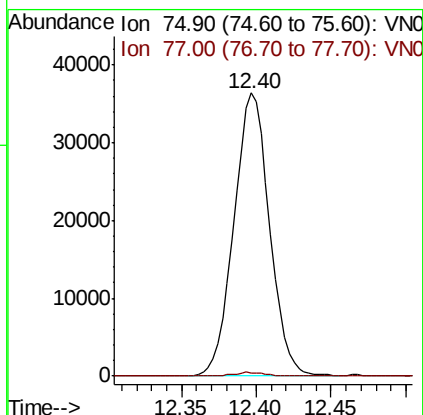
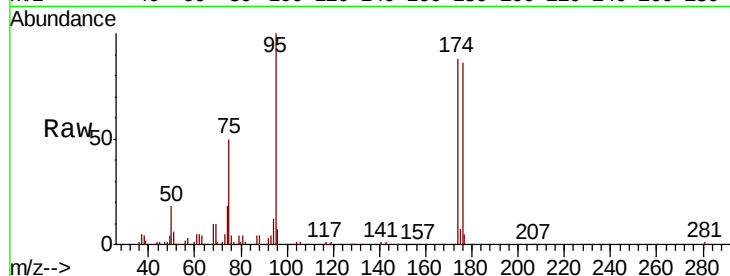
ClientSampled :

Tot Ion: 75 Resp: 60258

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.812 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

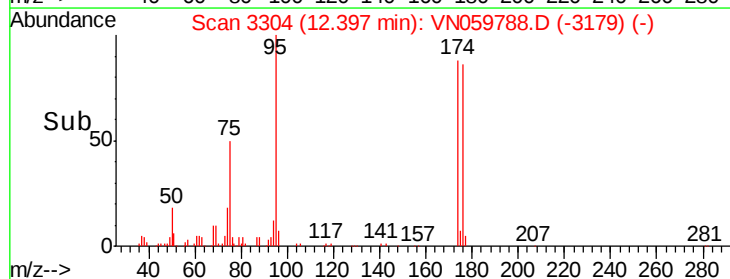
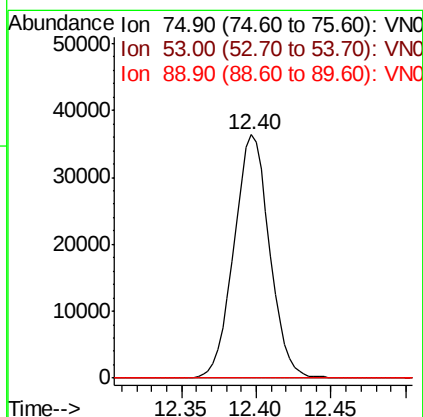
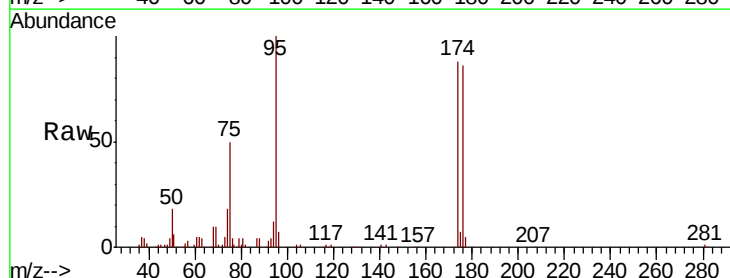
Tgt Ion: 75 Resp: 60258

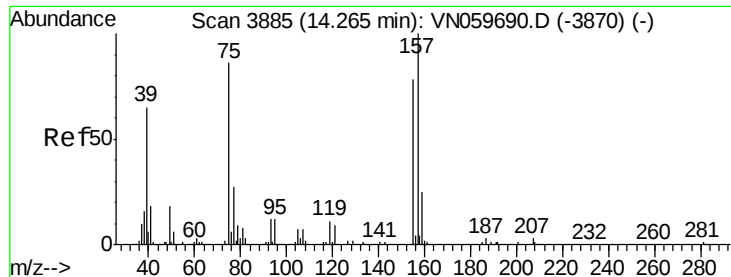
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059788.D

Acq: 20 Jan 2020 15:43

Instrument :

MSVOA_N

ClientSampleId :

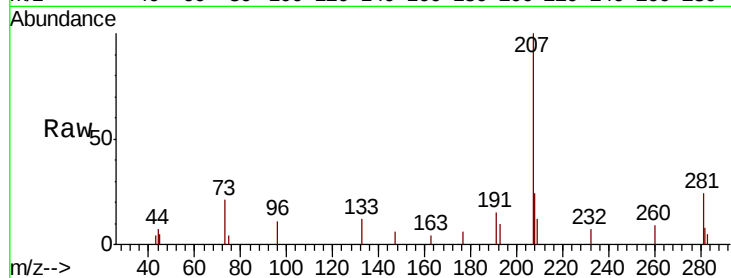
Tot Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

