

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020320\
 Data File : VN059973.D
 Acq On : 3 Feb 2020 14:39
 Operator : JC/MD
 Sample : L1343-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NW-SP

Quant Time: Feb 03 15:21:50 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	194877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	305058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130903	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	111976	51.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.48%	
35) Dibromofluoromethane	7.57	113	93491	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.78%	
50) Toluene-d8	10.08	98	365782	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.40	95	131531	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	

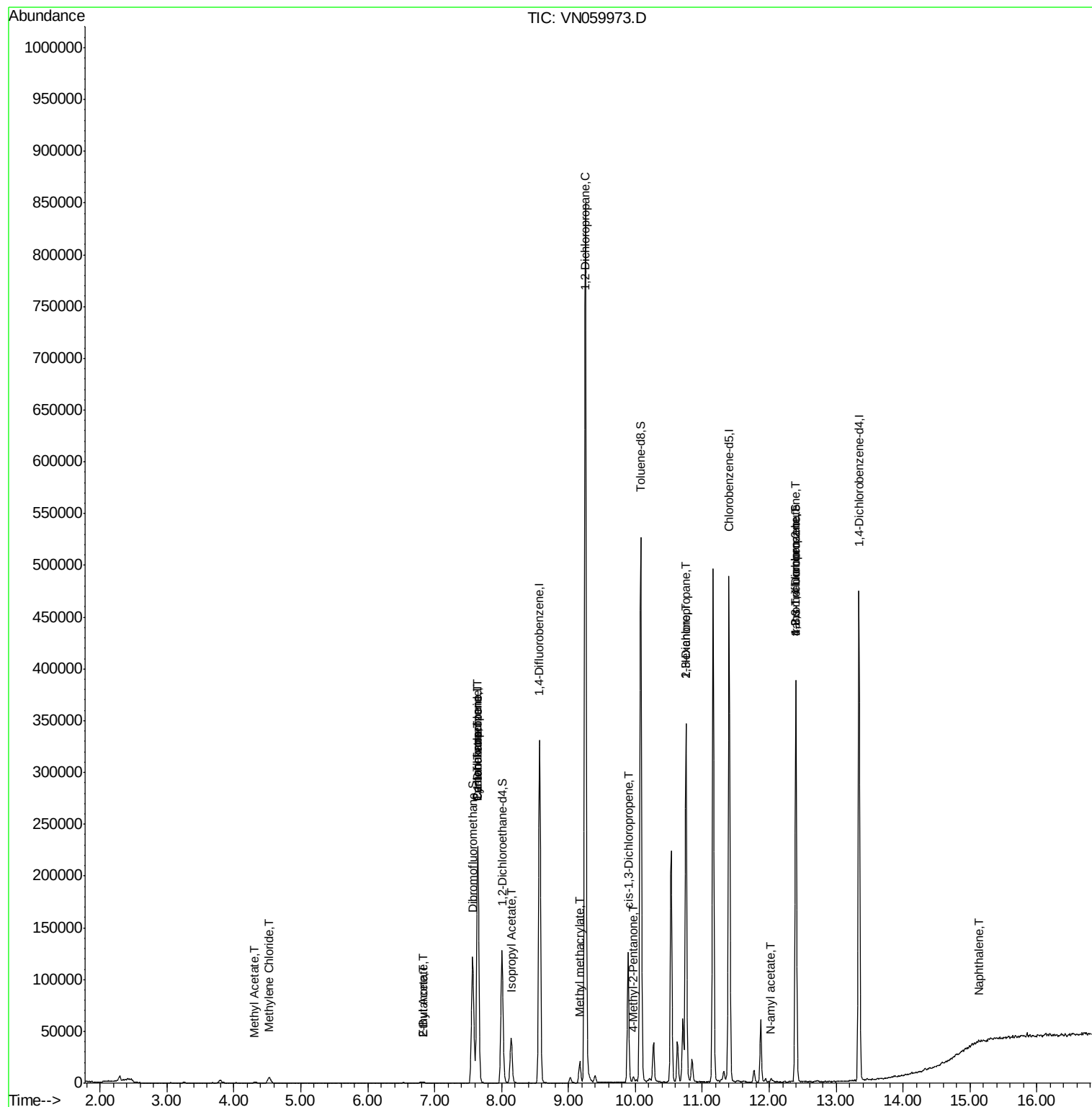
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	5670	Below Cal		97
18) Methyl Acetate	4.30	43	817	0.32 ug/l	#	78
20) Methylene Chloride	4.52	84	4538	1.05 ug/l		89
25) 2-Butanone	6.82	43	1934	1.58 ug/l		96
31) Cyclohexane	7.64	56	3785	1.18 ug/l	#	1
36) 1,1-Dichloropropene	7.64	75	13720	5.16 ug/l	#	50
37) Ethyl Acetate	6.82	43	1934	0.78 ug/l	#	69
38) Carbon Tetrachloride	7.64	117	18183	6.29 ug/l	#	16
43) Isopropyl Acetate	8.14	43	51645	12.05 ug/l	#	91
45) 1,2-Dichloropropane	9.26	63	929	0.47 ug/l	#	44
48) Methyl methacrylate	9.17	41	3260	1.70 ug/l	#	13
51) 4-Methyl-2-Pentanone	9.97	43	3611	1.46 ug/l	#	87
54) cis-1,3-Dichloropropene	9.89	75	22876	6.99 ug/l	#	58
57) 1,3-Dichloropropane	10.75	76	3798	1.21 ug/l	#	42
59) 2-Hexanone	10.75	43	50730	27.80 ug/l	#	55
74) N-amyl acetate	12.02	43	2857	0.77 ug/l	#	45
76) 1,2,3-Trichloropropane	12.40	75	66245	30.07 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	66245	64.58 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	103	Below Cal	#	6
95) Naphthalene	15.13	128	1676	0.23 ug/l	#	81

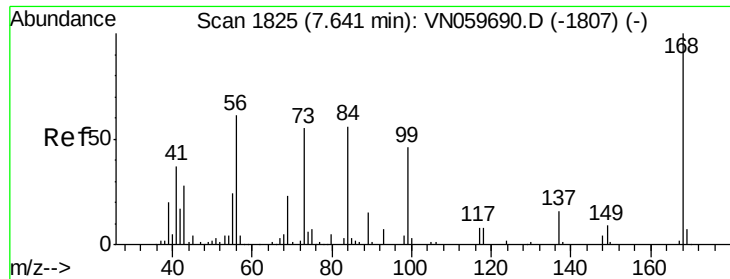
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

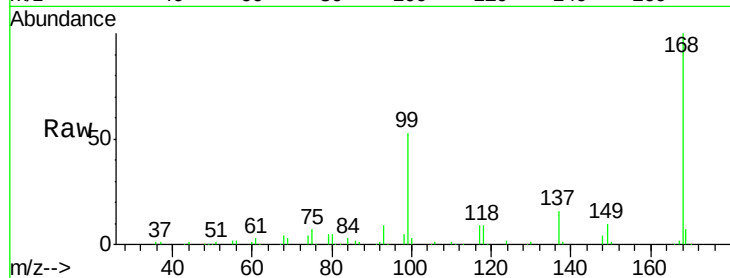
NW-SP

Tgt Ion:168 Resp: 194877

Ion Ratio Lower Upper

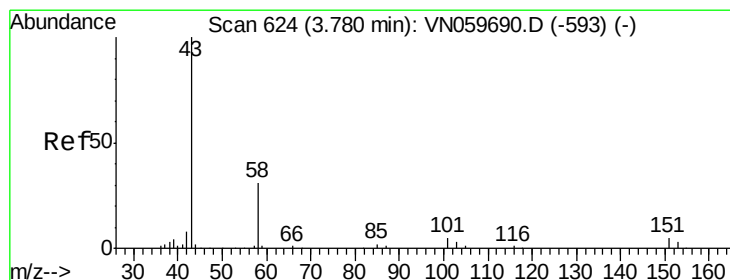
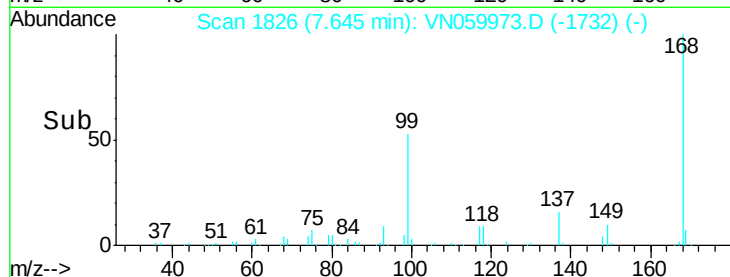
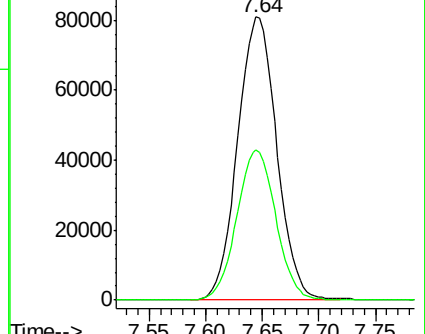
168 100

99 53.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059973.D

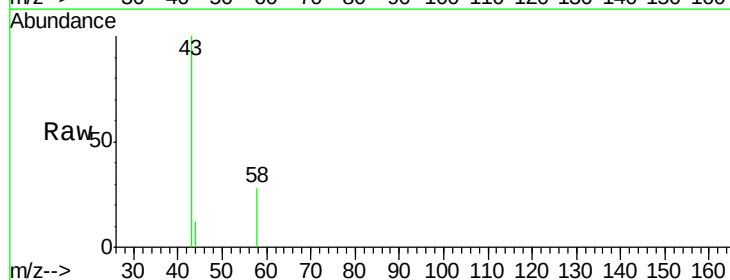
Acq: 3 Feb 2020 14:39

Tgt Ion: 43 Resp: 5670

Ion Ratio Lower Upper

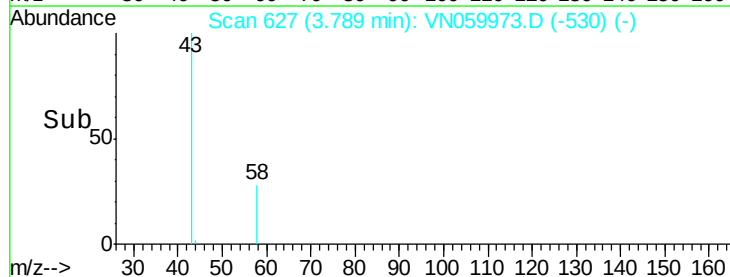
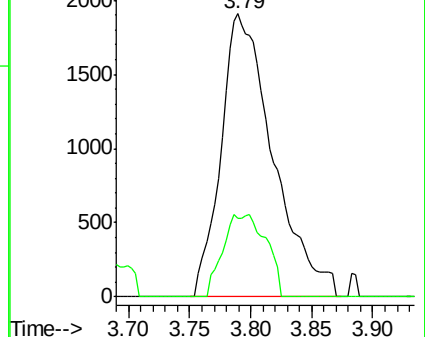
43 100

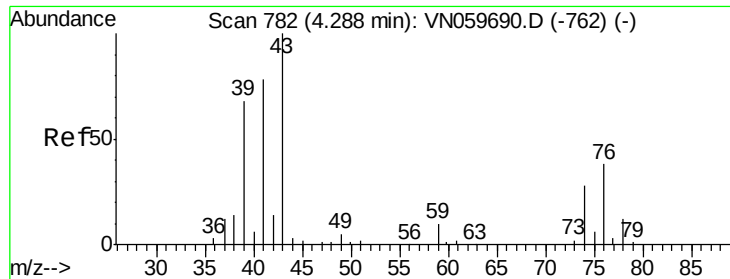
58 28.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

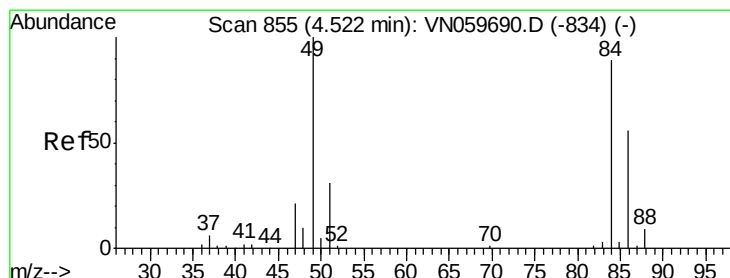
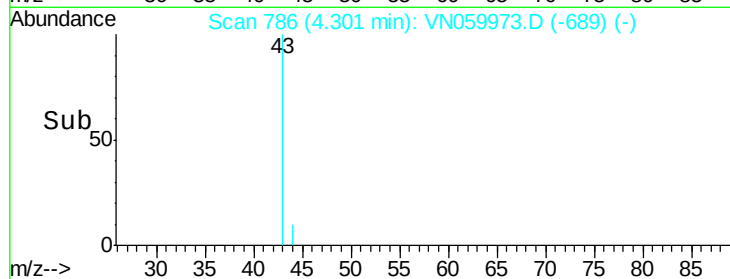
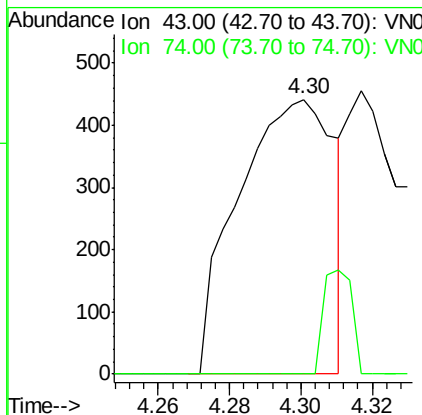
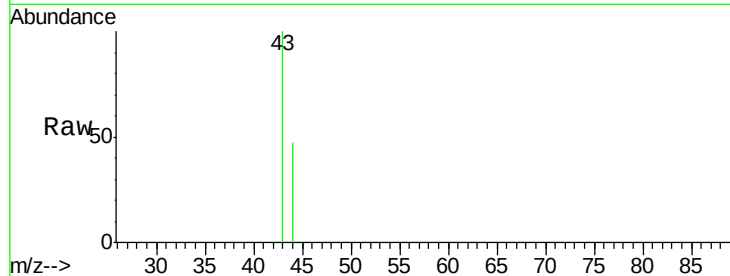




#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059973.D
Acq: 3 Feb 2020 14:39

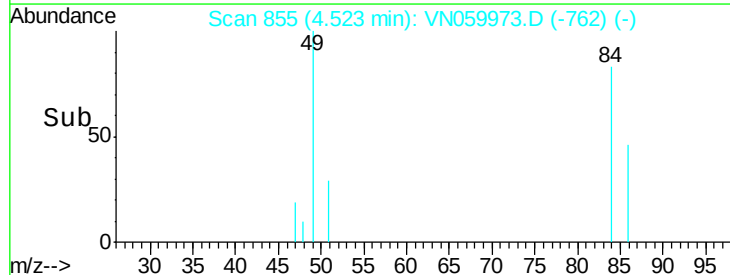
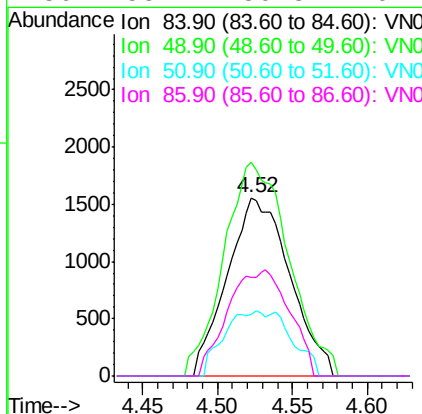
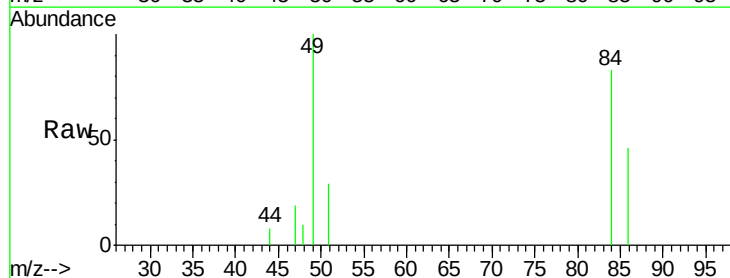
Instrument :
MSVOA_N
ClientSampled :
NW-SP

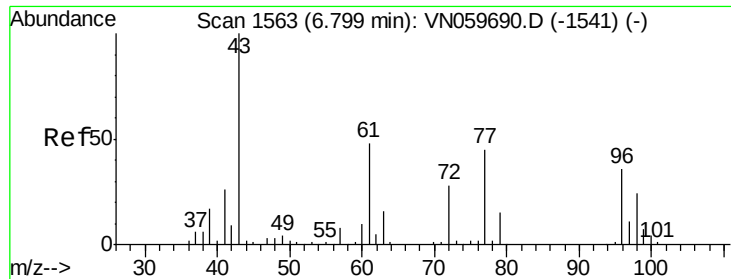
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
74 11.3 17.5 26.3#



#20
Methylene Chloride
Concen: 1.05 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059973.D
Acq: 3 Feb 2020 14:39

Tgt Ion: 84 Resp: 4538
Ion Ratio Lower Upper
84 100
49 119.8 106.6 160.0
51 34.8 31.9 47.9
86 55.4 50.8 76.2





#25

2-Butanone

Concen: 1.58 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

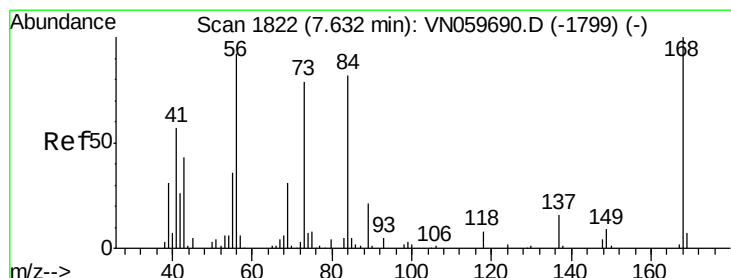
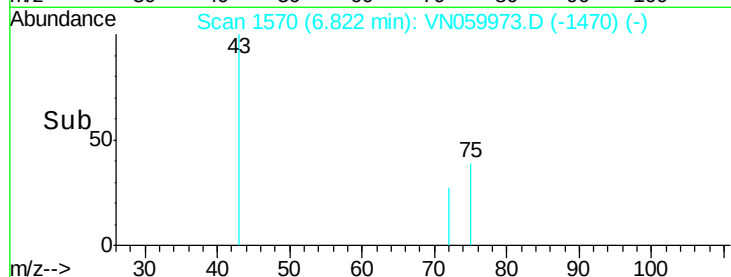
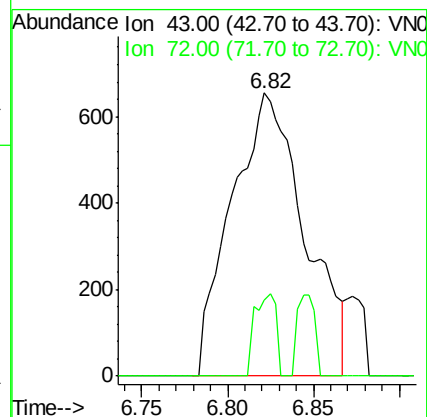
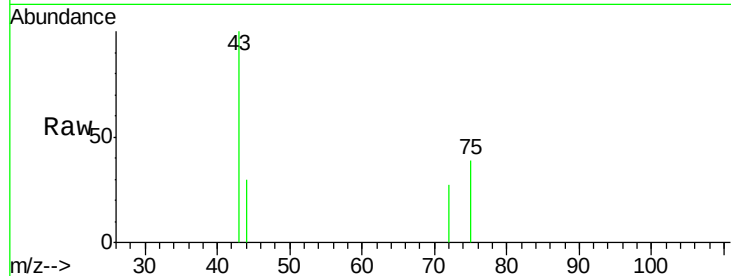
NW-SP

Tgt Ion: 43 Resp: 1934

Ion Ratio Lower Upper

43 100

72 26.9 19.9 29.9



#31

Cyclohexane

Concen: 1.18 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

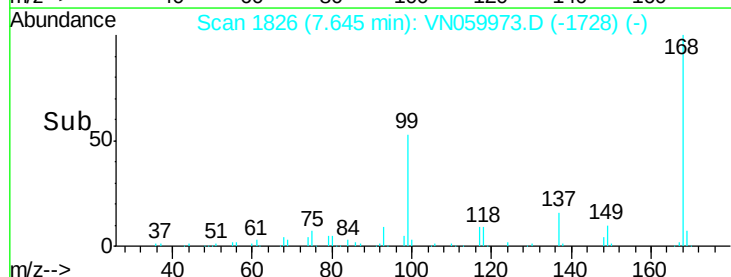
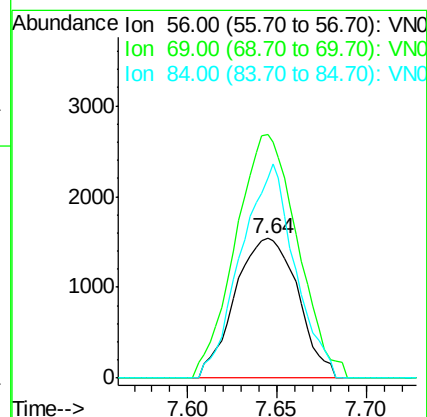
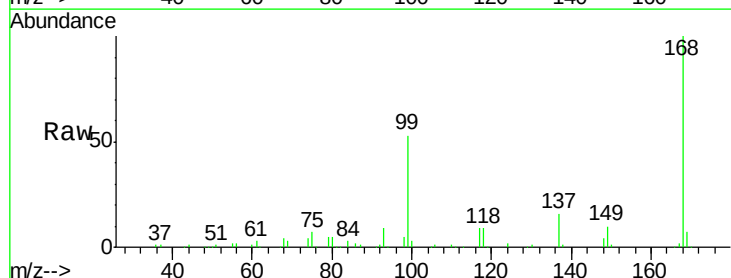
Tgt Ion: 56 Resp: 3785

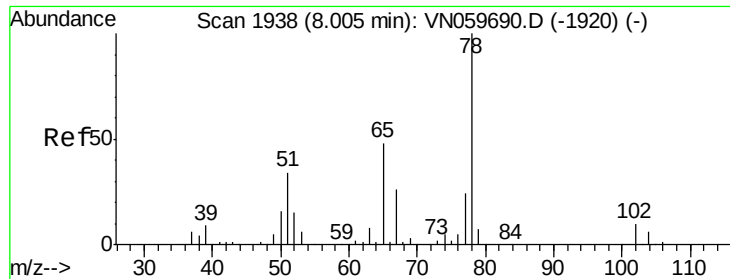
Ion Ratio Lower Upper

56 100

69 174.1 26.5 39.7#

84 143.3 65.3 97.9#

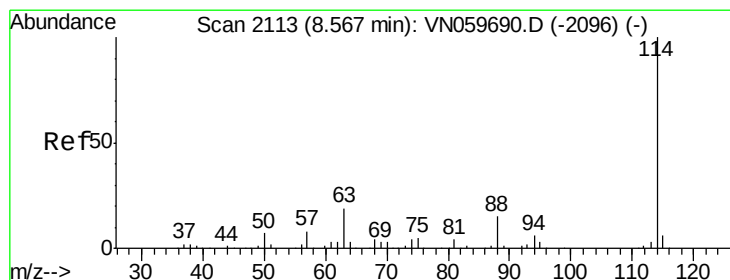
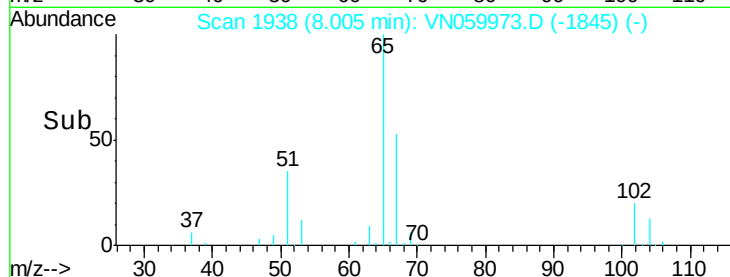
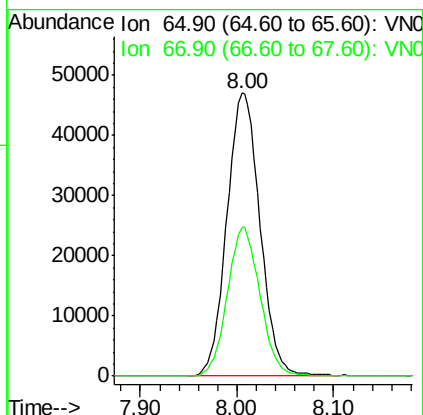
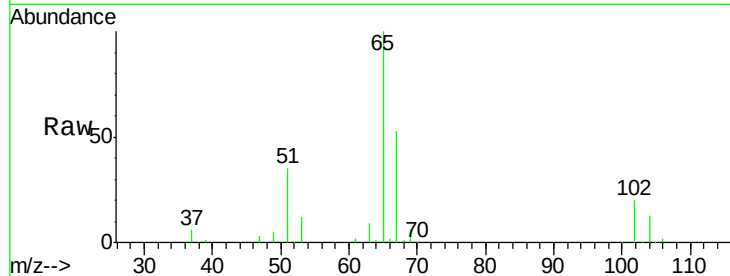




#33
 1,2-Dichloroethane-d4
 Concen: 51.74 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

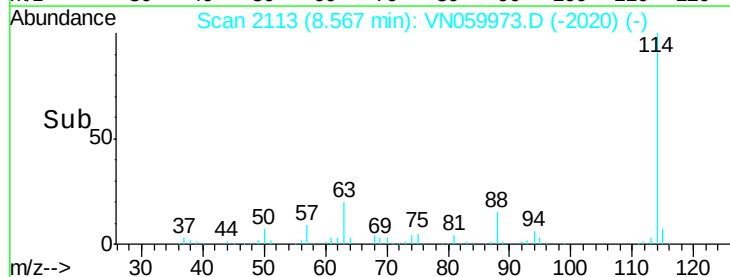
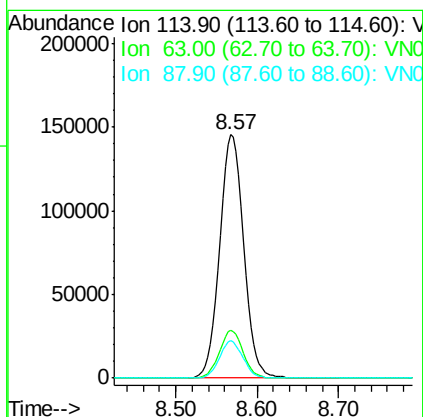
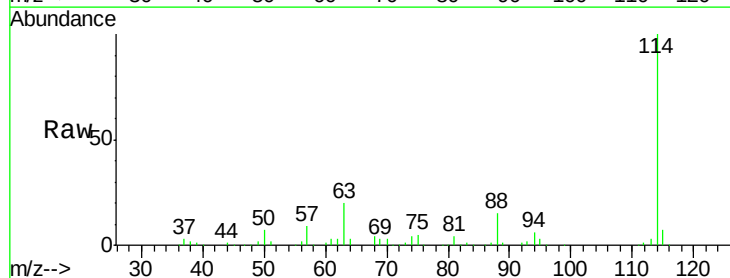
Instrument :
 MSVOA_N
 ClientSampleId :
 NW-SP

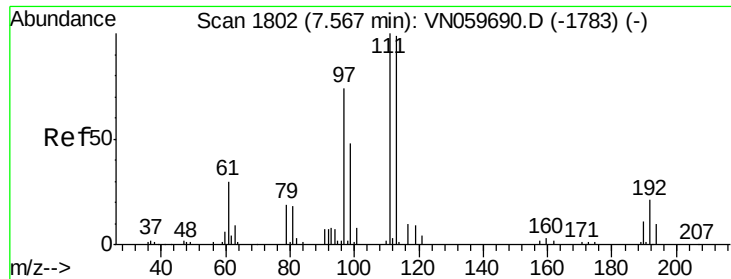
Tgt Ion: 65 Resp: 111976
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

Tgt Ion: 114 Resp: 305058
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.6
 88 15.3 0.0 31.4

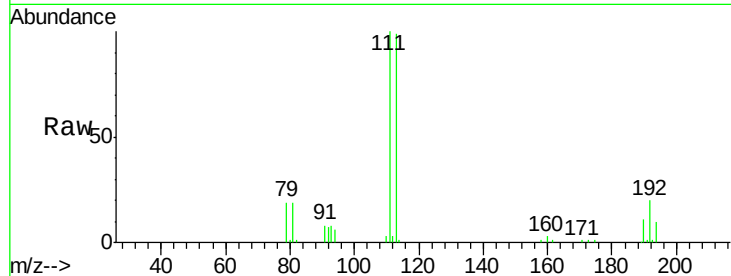




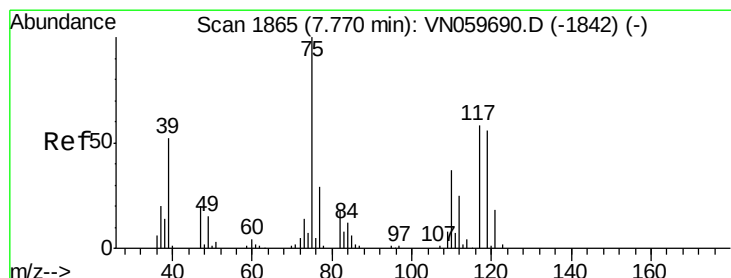
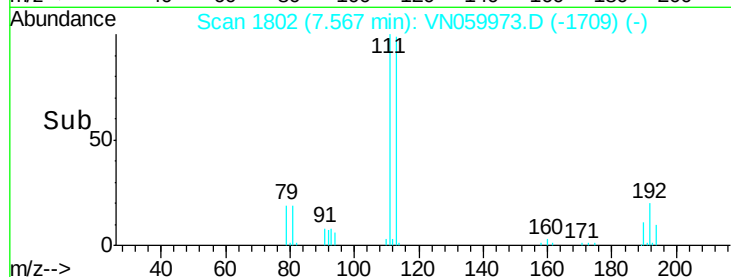
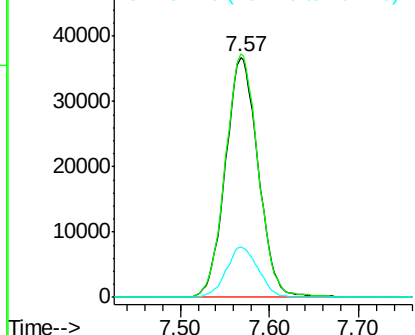
#35
 Dibromofluoromethane
 Concen: 51.39 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 NW-SP

Tgt Ion:113 Resp: 93491
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.5 125.3
 192 20.4 15.4 23.2

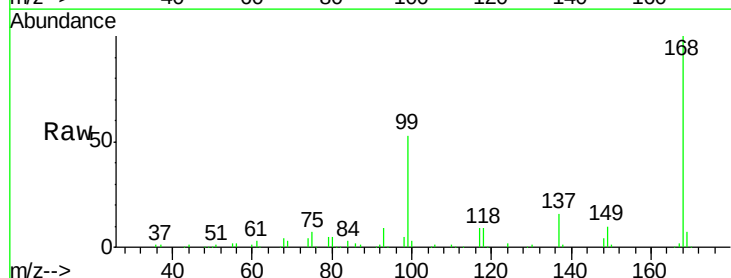


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

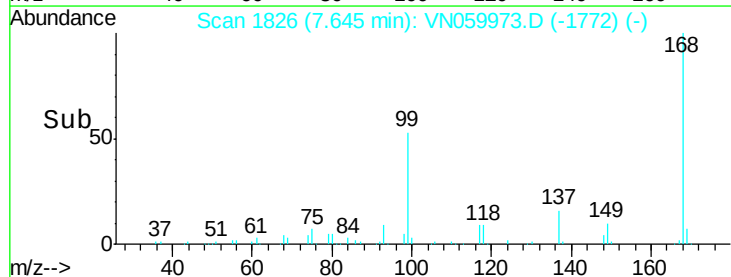
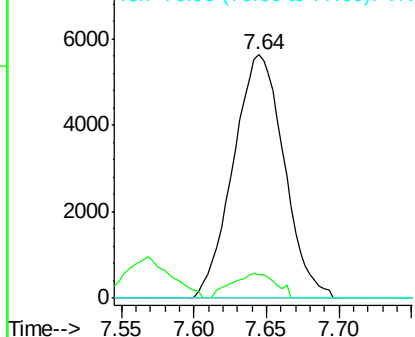


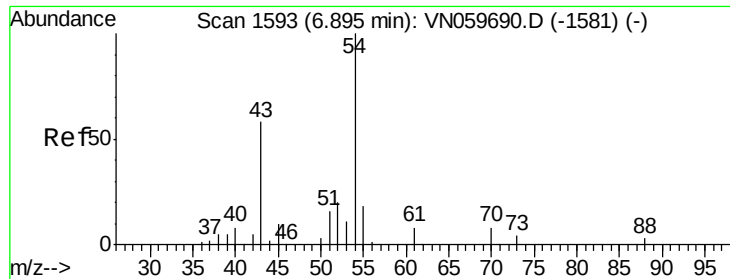
#36
 1,1-Dichloropropene
 Concen: 5.16 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

Tgt Ion: 75 Resp: 13720
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.6 49.7#
 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

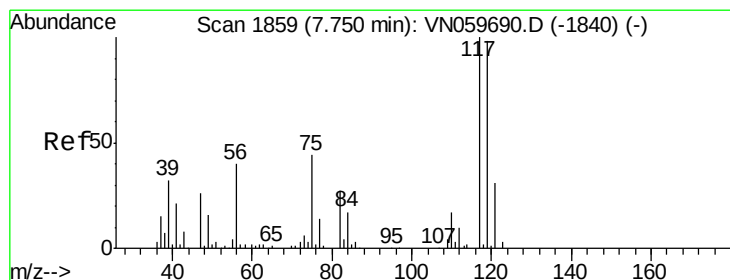
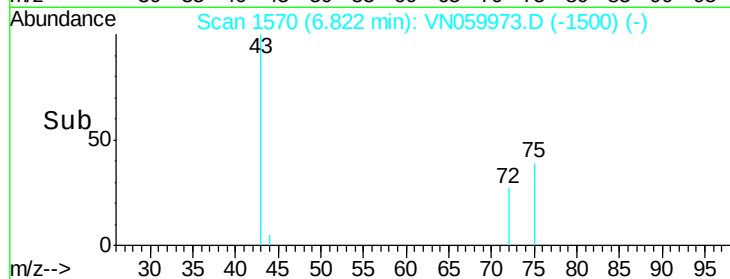
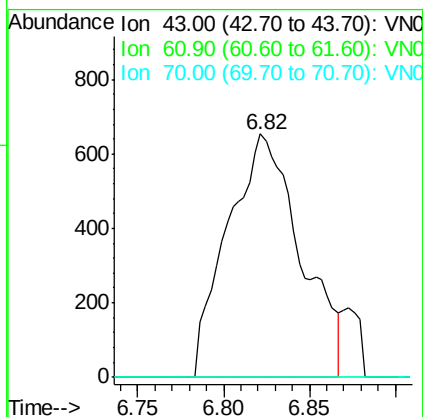
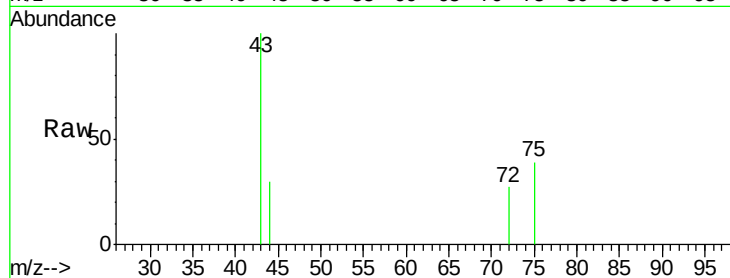




#37
Ethyl Acetate
 Concen: 0.78 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.07 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

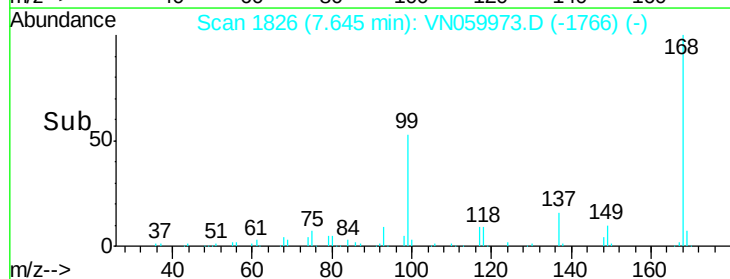
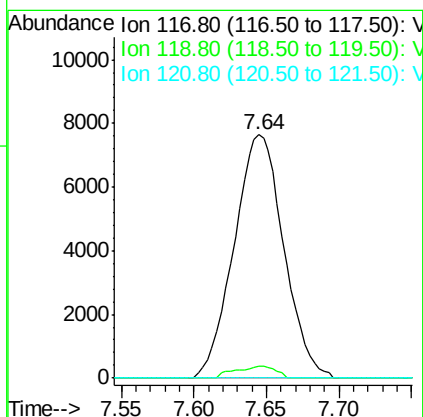
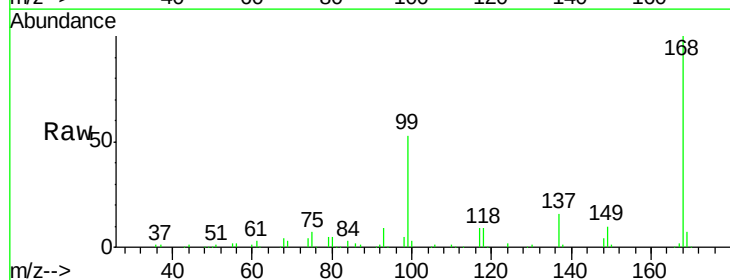
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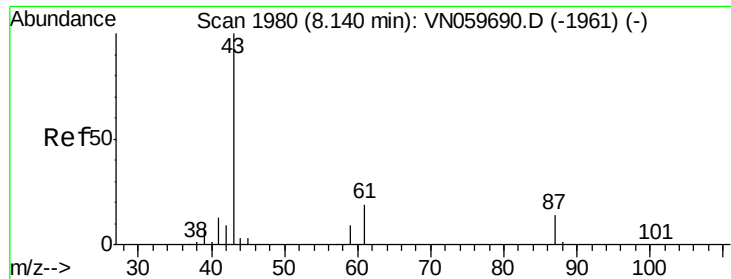
Tgt Ion: 43 Resp: 1934
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
 Concen: 6.29 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

Tgt Ion: 117 Resp: 18183
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 12.05 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

NW-SP

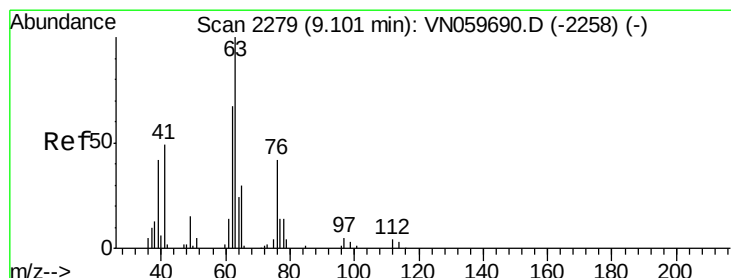
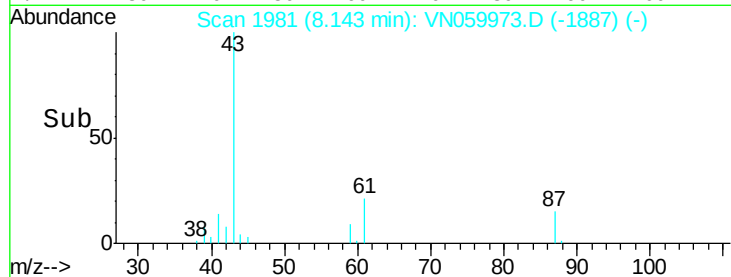
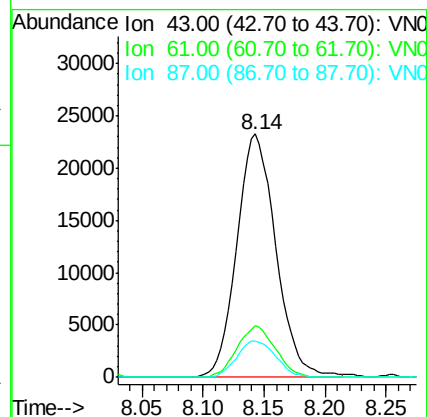
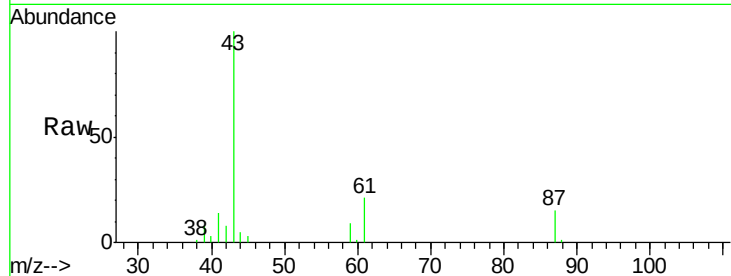
Tgt Ion: 43 Resp: 51645

Ion Ratio Lower Upper

43 100

61 20.7 20.2 30.2

87 14.8 9.5 14.3#



#45

1,2-Dichloropropane

Concen: 0.47 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059973.D

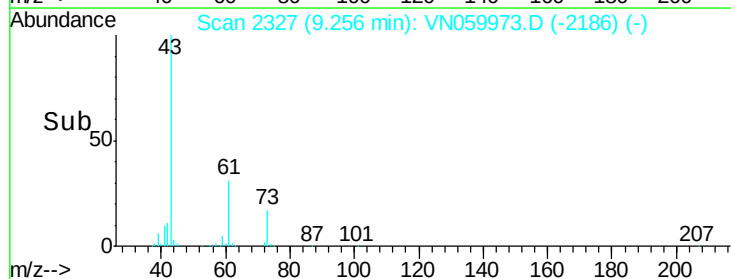
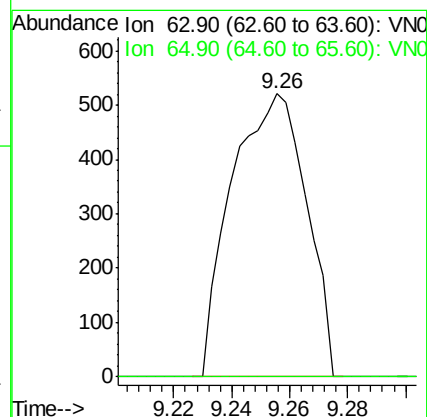
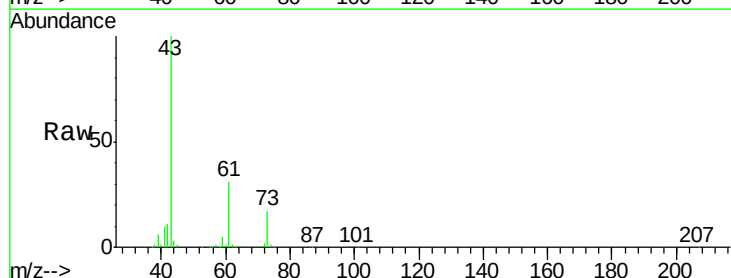
Acq: 3 Feb 2020 14:39

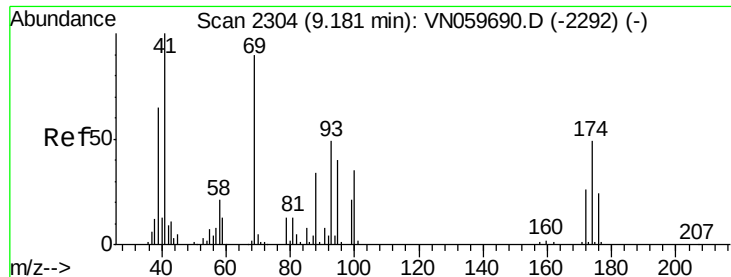
Tgt Ion: 63 Resp: 929

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

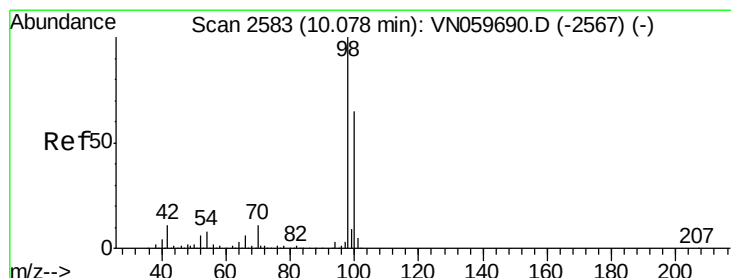
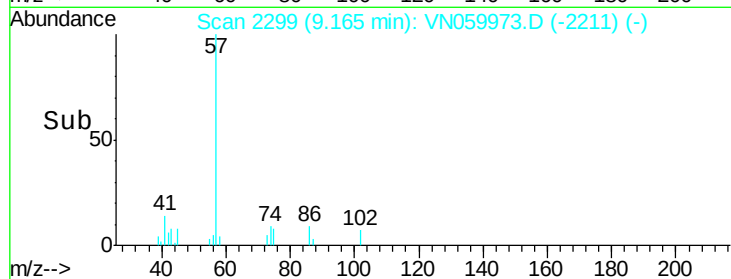
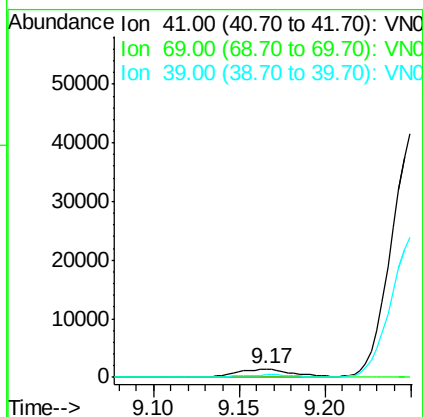
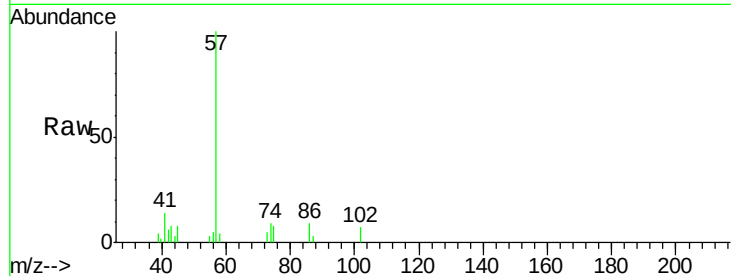




#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN059973.D
Acq: 3 Feb 2020 14:39

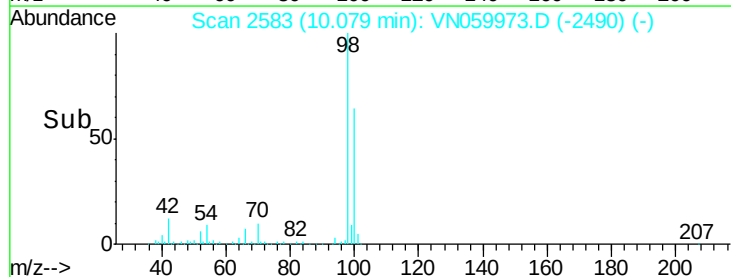
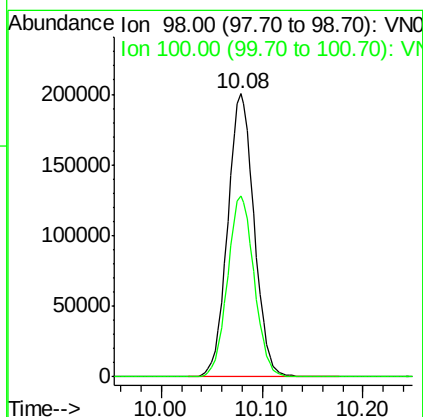
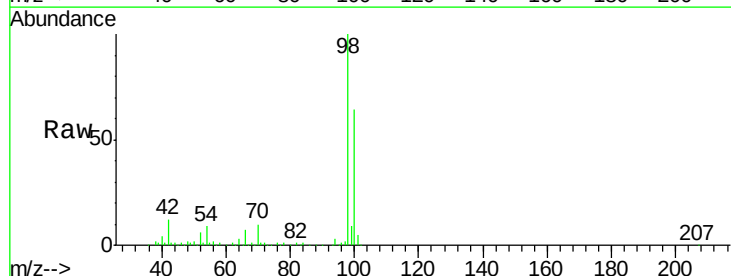
Instrument :
MSVOA_N
ClientSampled :
NW-SP

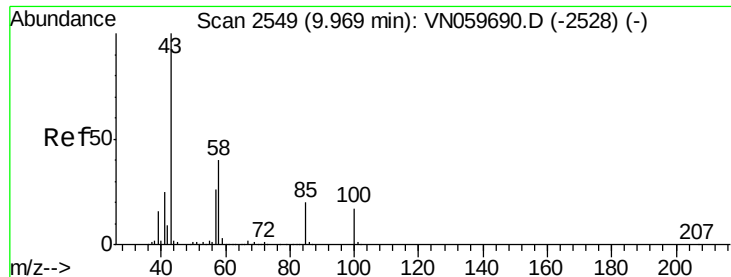
Tgt Ion: 41 Resp: 3260
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.90 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059973.D
Acq: 3 Feb 2020 14:39

Tgt Ion: 98 Resp: 365782
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.46 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

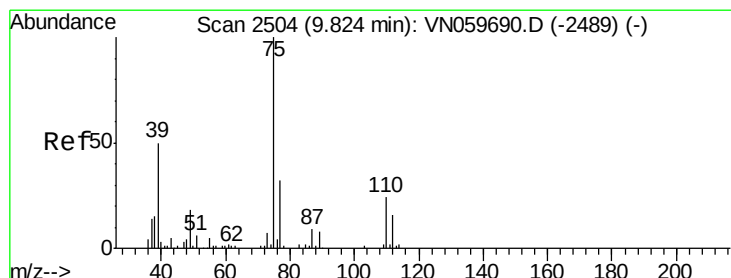
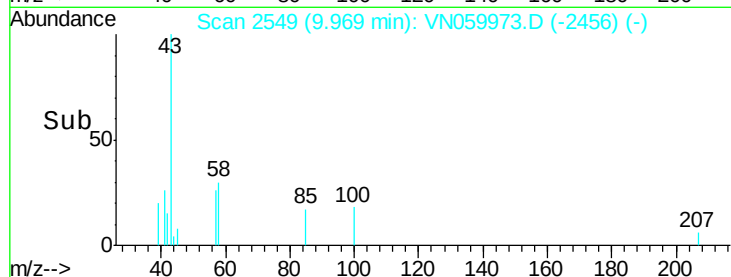
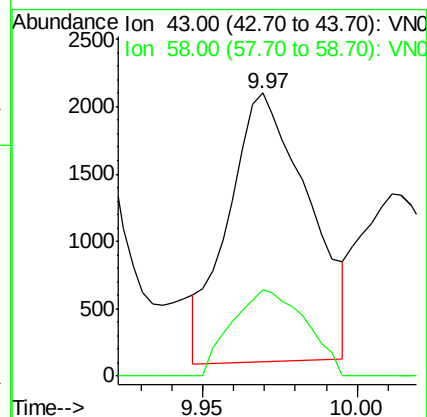
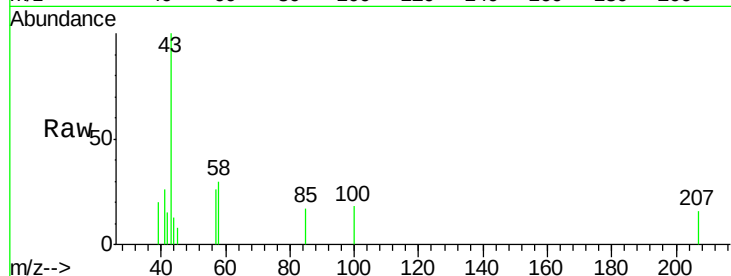
NW-SP

Tgt Ion: 43 Resp: 3611

Ion Ratio Lower Upper

43 100

58 29.6 29.8 44.8#



#54

cis-1,3-Dichloropropene

Concen: 6.99 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

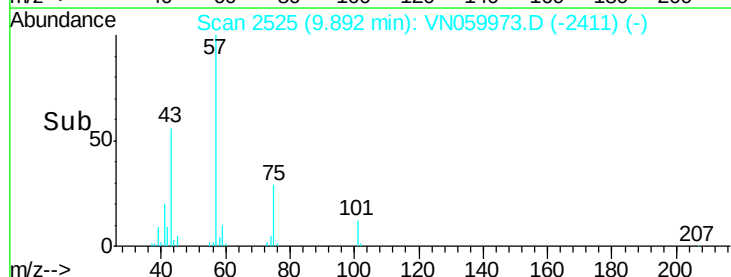
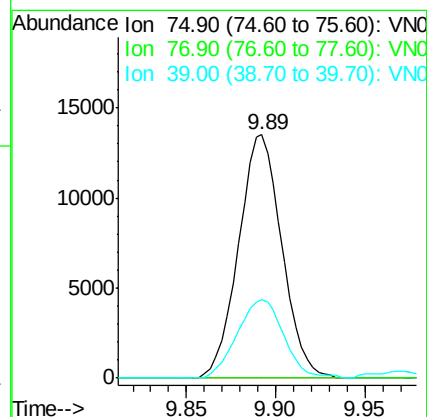
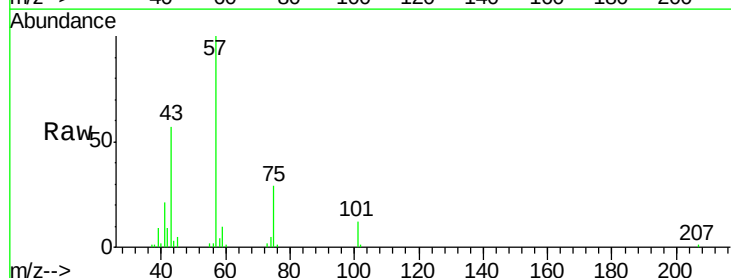
Tgt Ion: 75 Resp: 22876

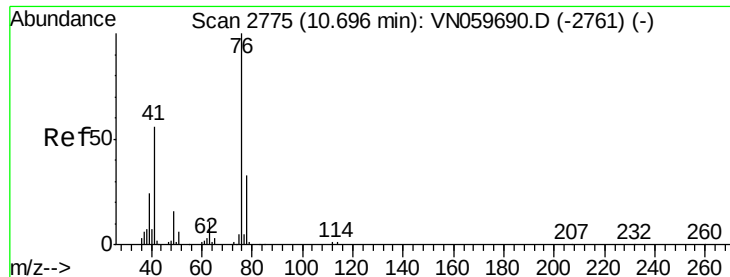
Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

39 32.2 46.1 69.1#

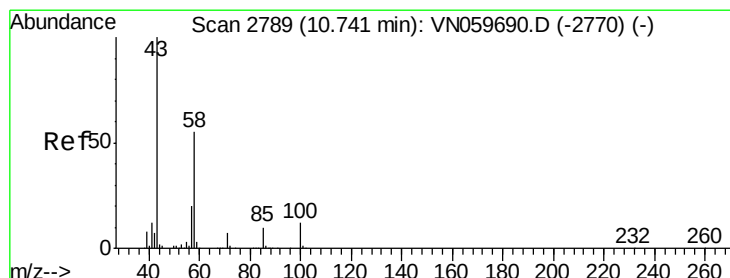
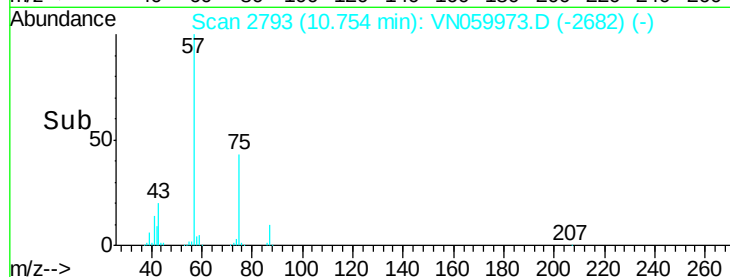
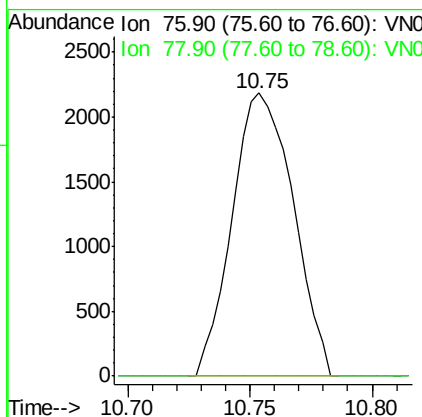
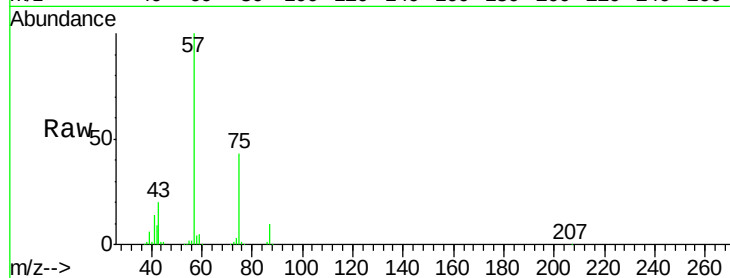




#57
 1,3-Dichloropropane
 Concen: 1.21 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

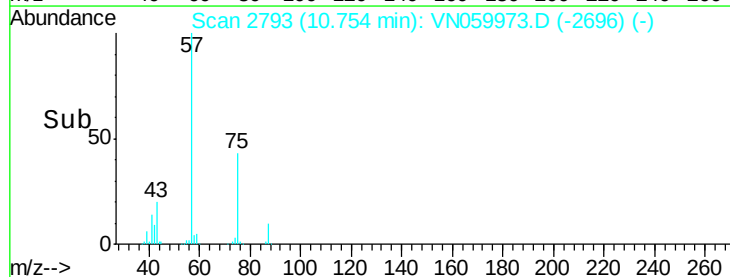
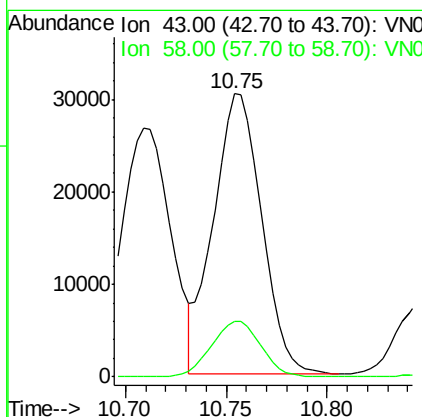
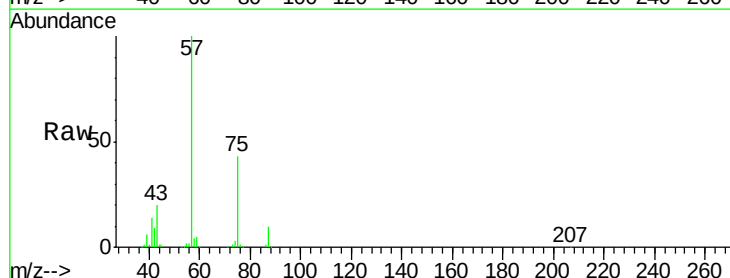
Instrument :
 MSVOA_N
 ClientSampleId :
 NW-SP

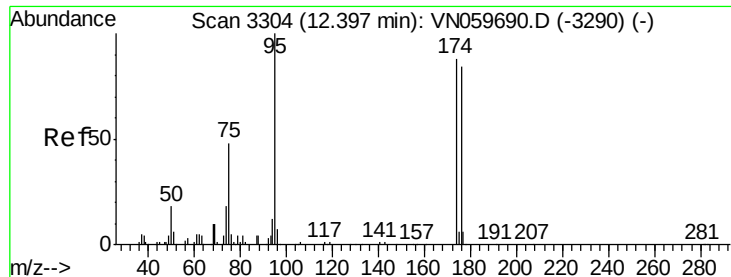
Tgt Ion: 76 Resp: 3798
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 27.80 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN059973.D
 Acq: 3 Feb 2020 14:39

Tgt Ion: 43 Resp: 50730
 Ion Ratio Lower Upper
 43 100
 58 20.1 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 51.76 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

NW-SP

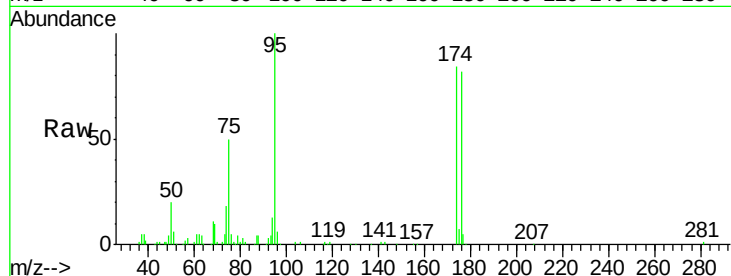
Tgt Ion: 95 Resp: 131531

Ion Ratio Lower Upper

95 100

174 86.1 0.0 151.4

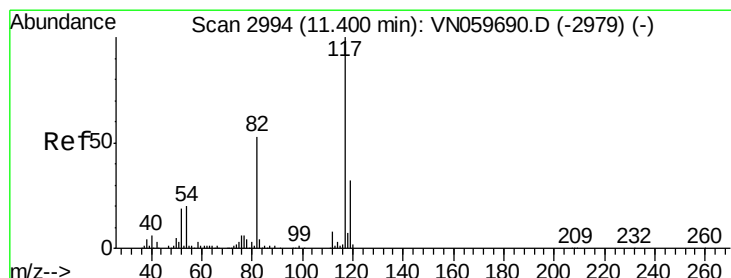
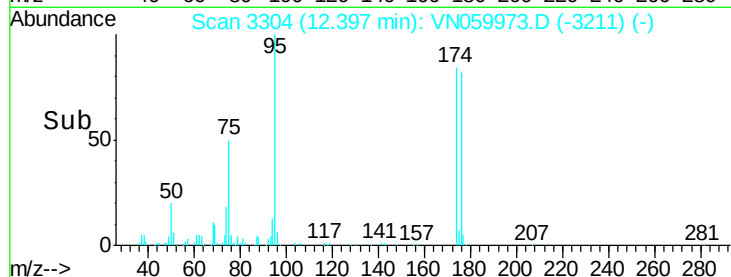
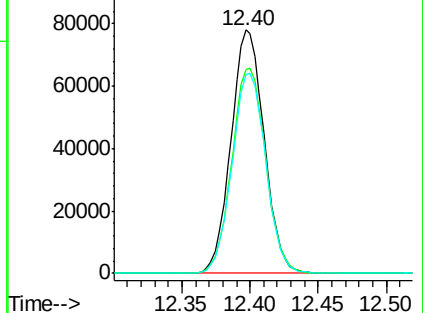
176 83.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059973.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059973.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059973.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

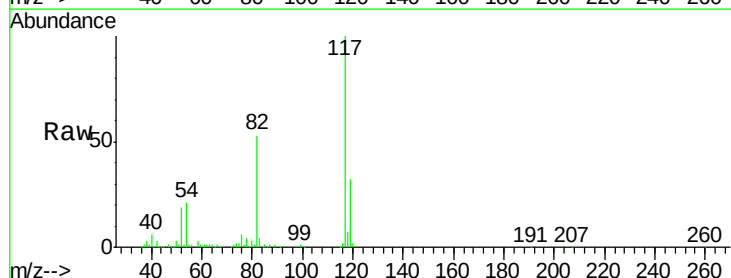
Tgt Ion: 117 Resp: 284704

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

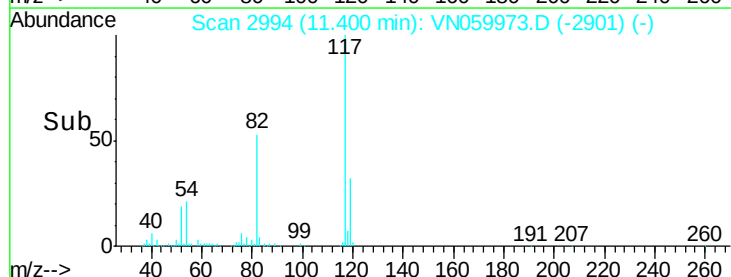
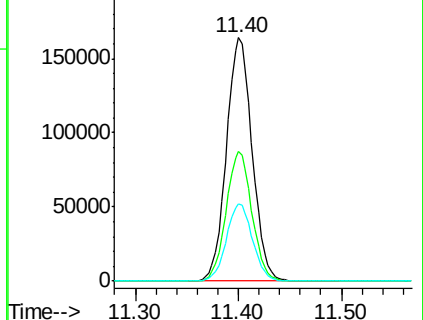
119 31.9 25.5 38.3

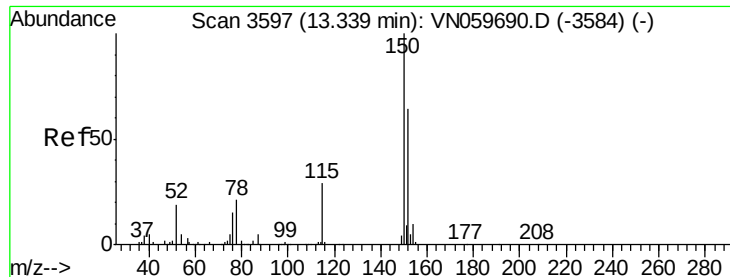


Abundance Ion 116.90 (116.60 to 117.60): VN059973.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059973.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059973.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

NW-SP

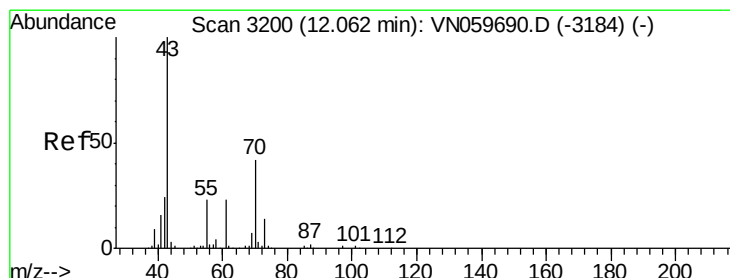
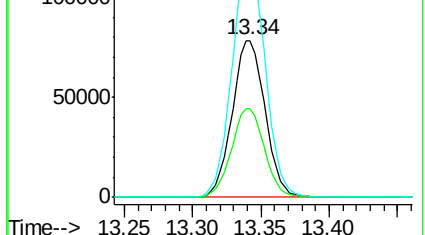
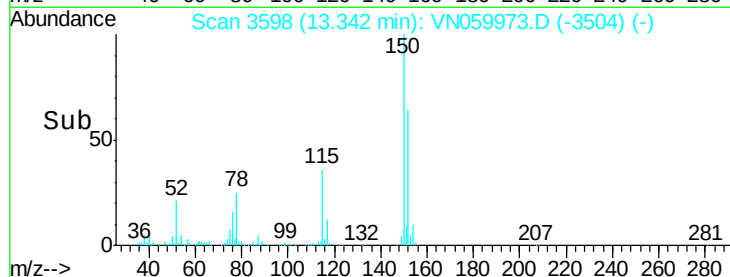
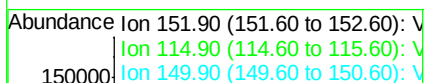
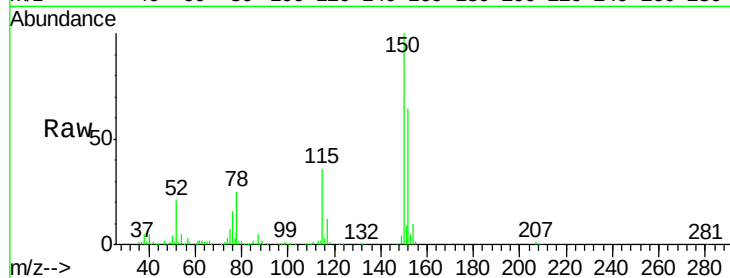
Tgt Ion:152 Resp: 130903

Ion Ratio Lower Upper

152 100

115 56.9 30.3 90.9

150 154.8 0.0 345.2



#74

N-ethyl acetate

Concen: 0.77 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Tgt Ion: 43 Resp: 2857

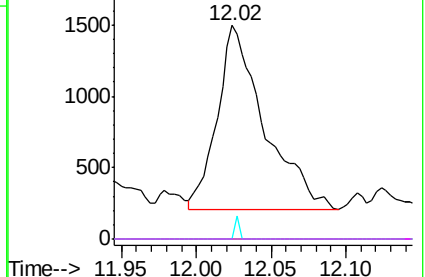
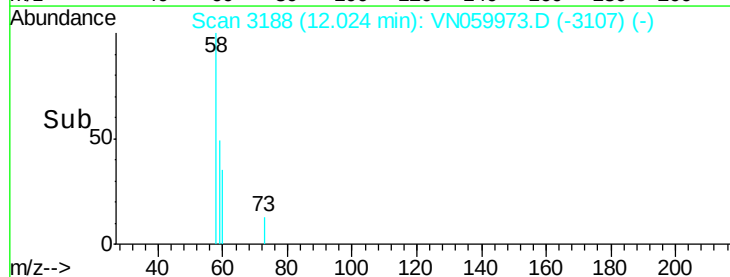
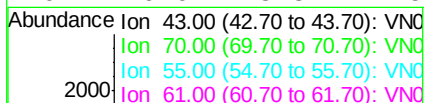
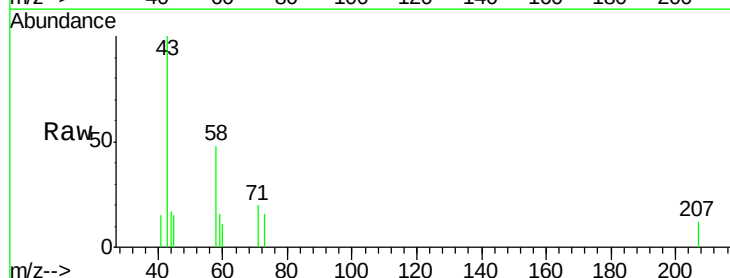
Ion Ratio Lower Upper

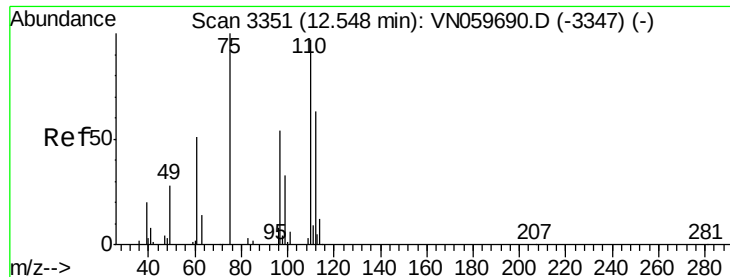
43 100

70 0.0 31.3 46.9#

55 1.1 19.8 29.6#

61 0.0 18.3 27.5#





#76

1,2,3-Trichloropropane

Concen: 30.07 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

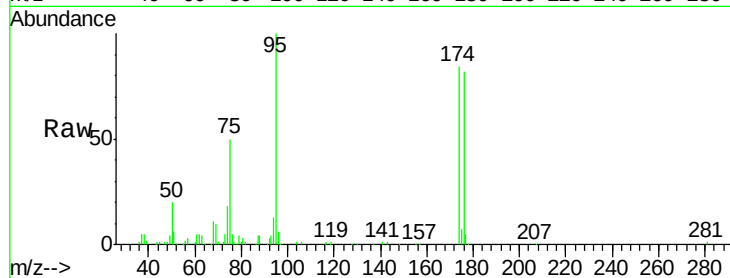
NW-SP

Tgt Ion: 75 Resp: 66245

Ion Ratio Lower Upper

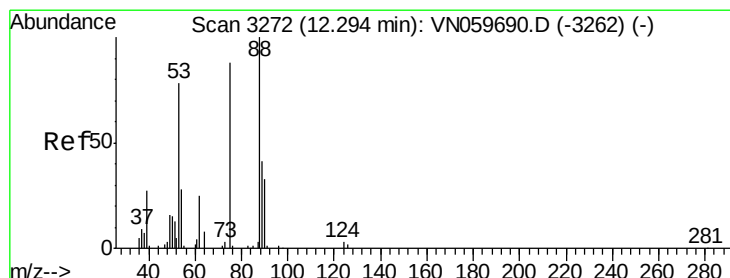
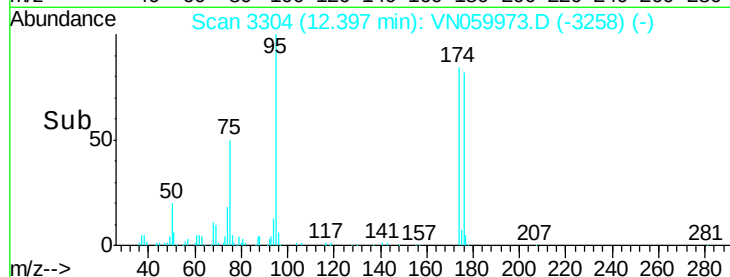
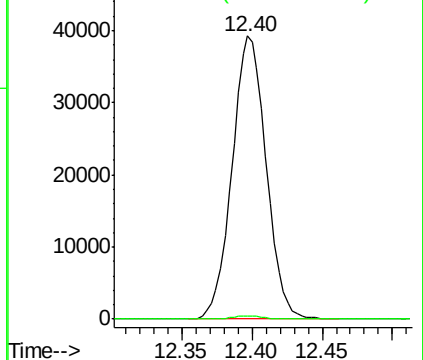
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 64.58 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

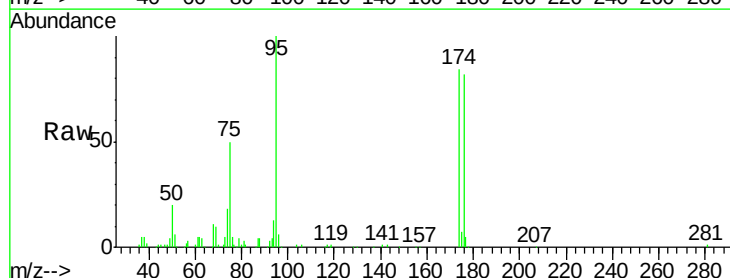
Tgt Ion: 75 Resp: 66245

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

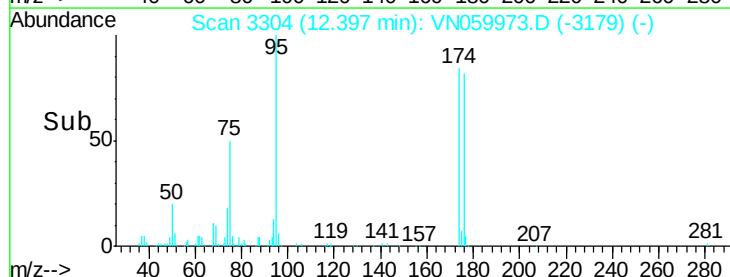
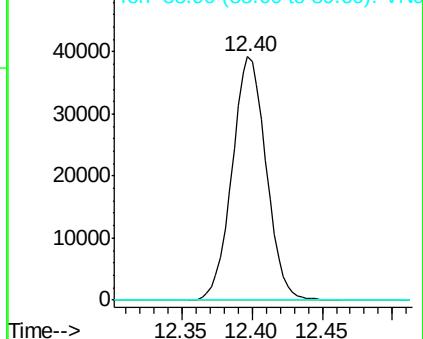
89 0.0 35.4 53.2#

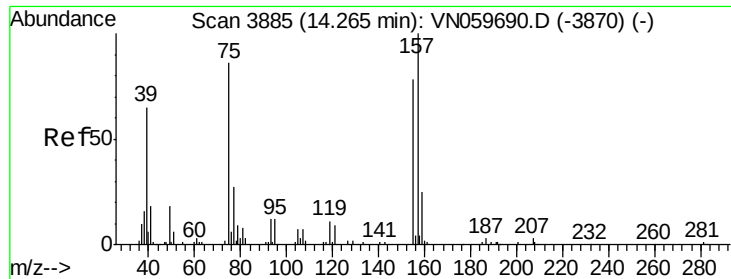


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

Instrument :

MSVOA_N

ClientSampled :

NW-SP

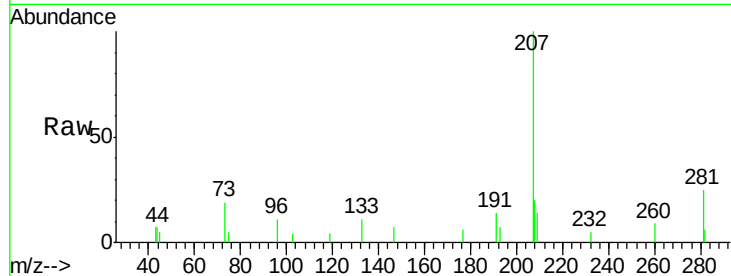
Tgt Ion: 75 Resp: 103

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

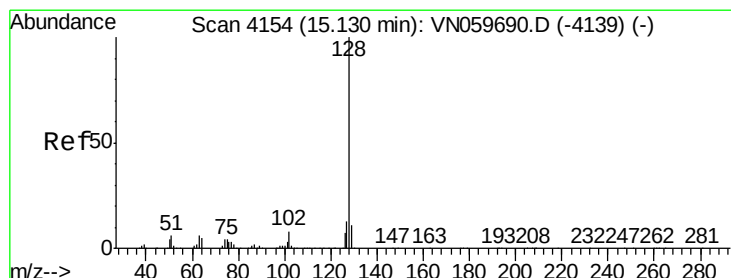
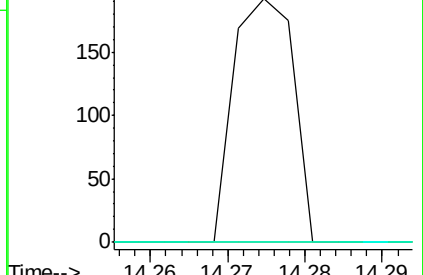
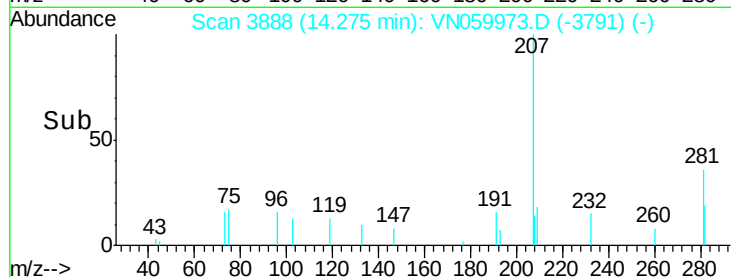
157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN059973.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN059973.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN059973.D (-3791) (-)



#95

Naphthalene

Concen: 0.23 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059973.D

Acq: 3 Feb 2020 14:39

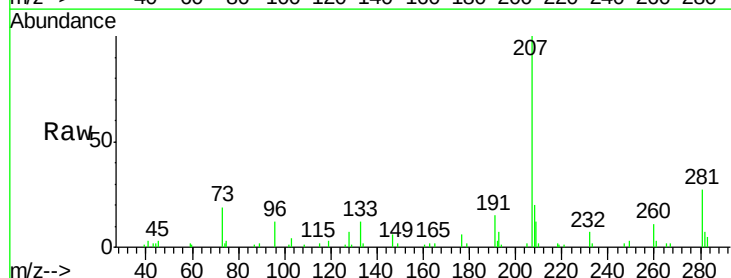
Tgt Ion: 128 Resp: 1676

Ion Ratio Lower Upper

128 100

127 3.6 10.4 15.6#

129 5.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059973.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN059973.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN059973.D (-4061) (-)

