

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053674.D
 Acq On : 8 Feb 2019 11:49
 Operator : JC/SP
 Sample : VN0208WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 02:33:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	662523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1094940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402018	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	354347	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	7.59	113	349989	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1311432	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.40	95	439067	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

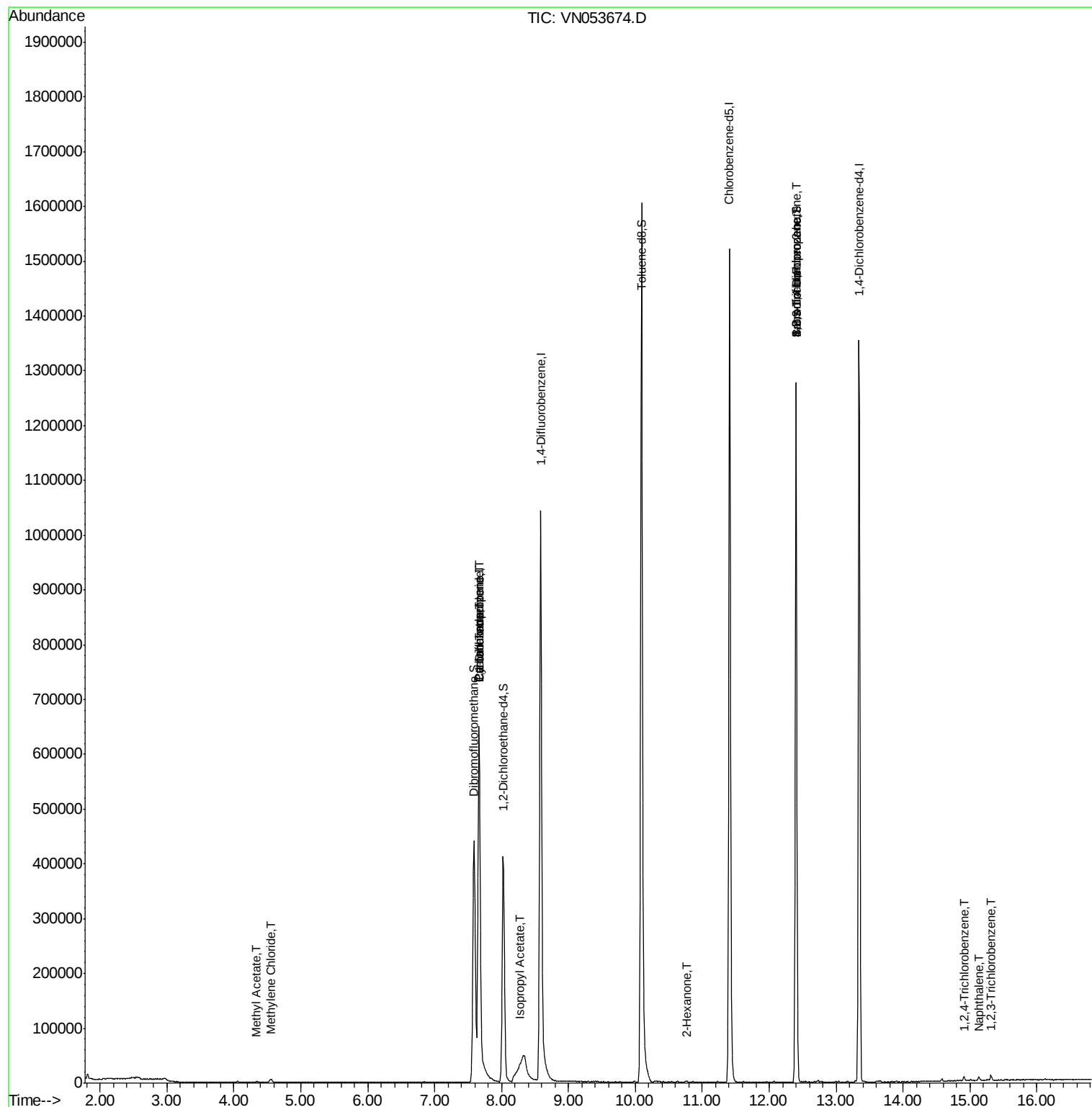
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.34	43	3193	0.632	ug/l #	83
20) Methylene Chloride	4.55	84	4754	0.665	ug/l #	90
31) Cyclohexane	7.66	56	9548	0.682	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	39060	3.957	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53355	5.366	ug/l #	16
43) Isopropyl Acetate	8.27	43	40231	3.779	ug/l #	53
59) 2-Hexanone	10.76	43	1886	0.531	ug/l	91
71) Bromoform	12.40	173	3259	0.642	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	199582	38.651	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	199582	108.684	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	3073	0.409	ug/l	95
95) Naphthalene	15.13	128	7376	2.139	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	3976	0.570	ug/l	96

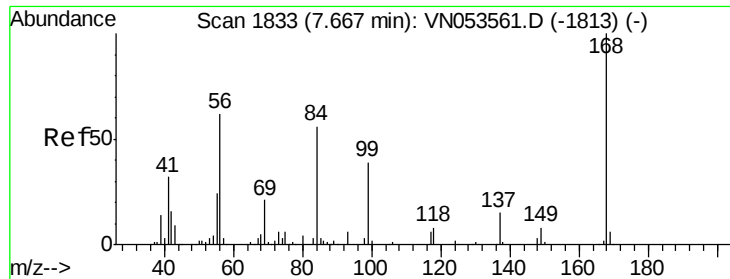
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 01 09:11:52 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

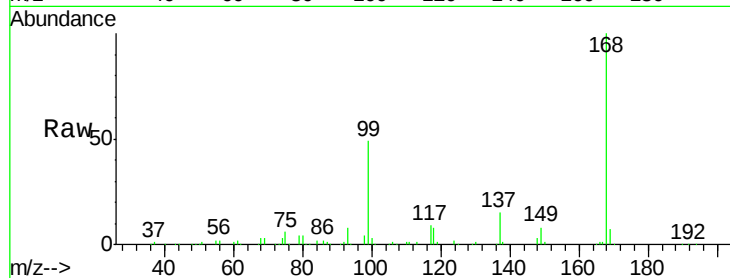
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 662523

Ion Ratio Lower Upper

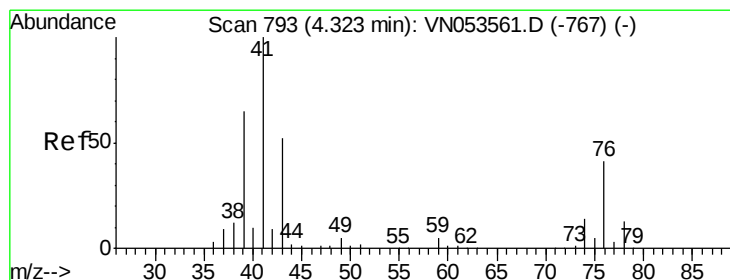
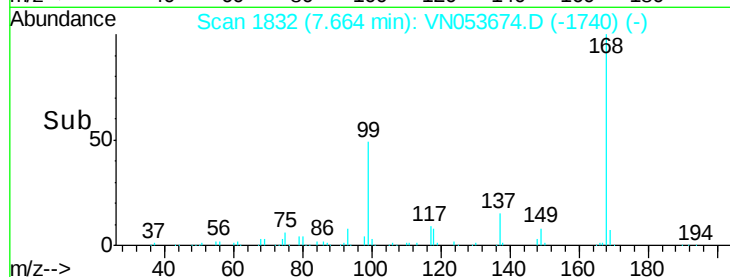
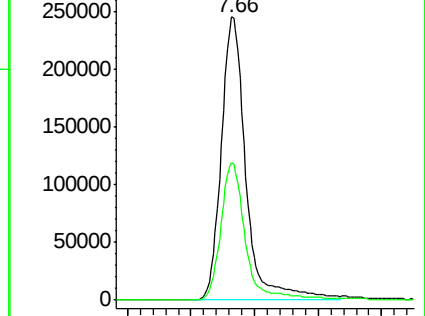
168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#18

Methyl Acetate

Concen: 0.632 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053674.D

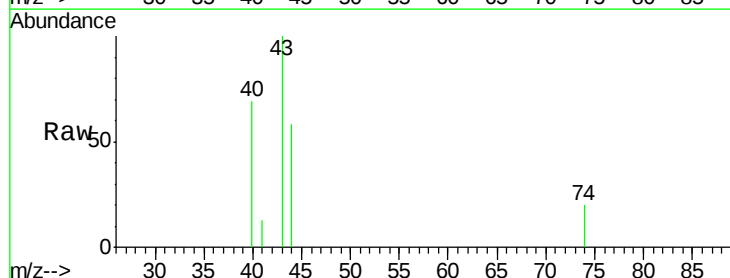
Acq: 8 Feb 2019 11:49

Tgt Ion: 43 Resp: 3193

Ion Ratio Lower Upper

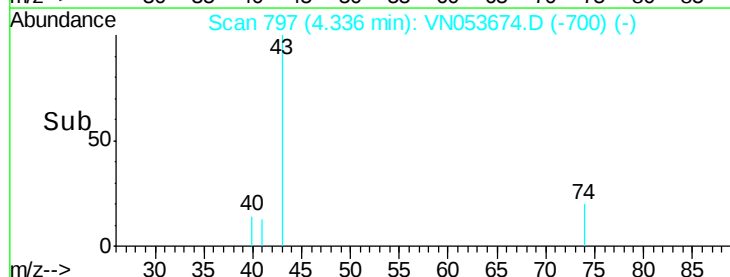
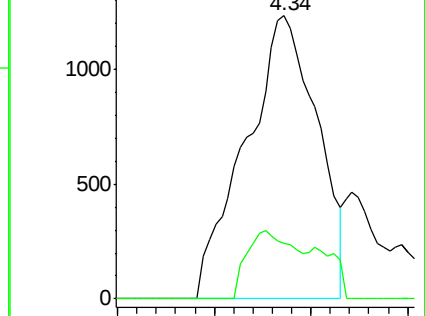
43 100

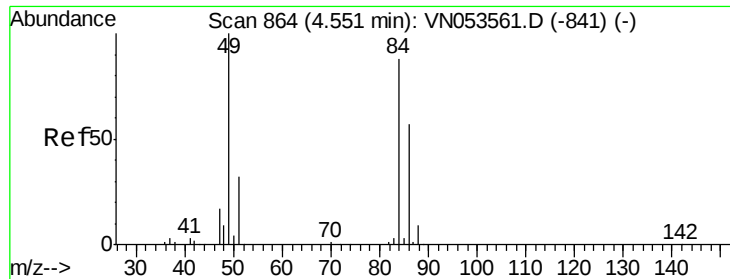
74 15.6 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

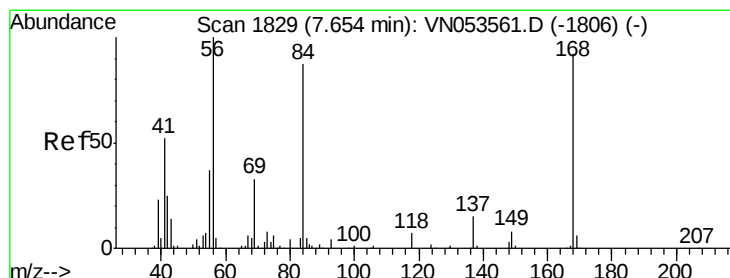
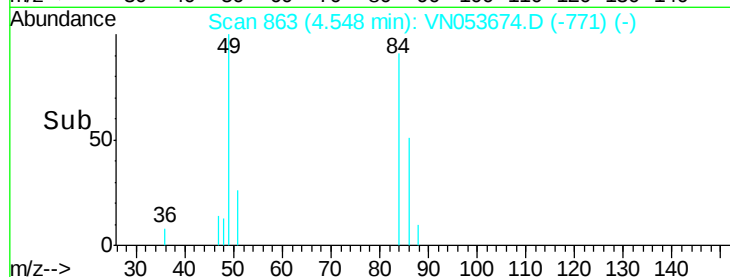
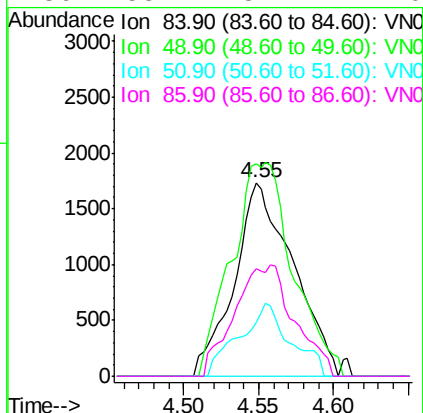
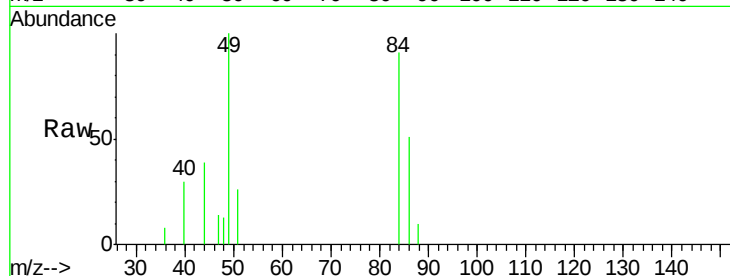




#20
Methvlene Chloride
Concen: 0.665 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN053674.D
Acq: 8 Feb 2019 11:49

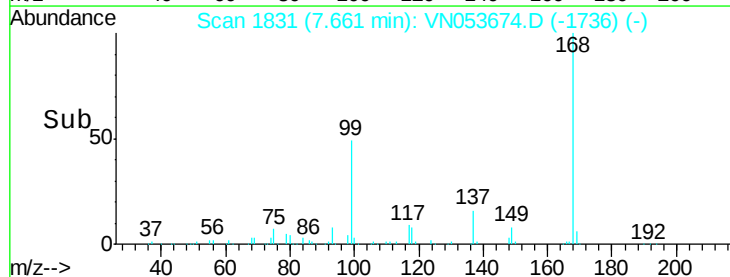
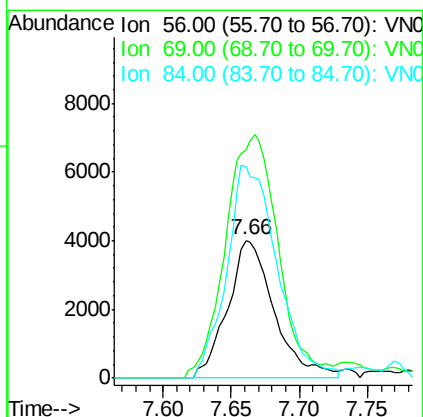
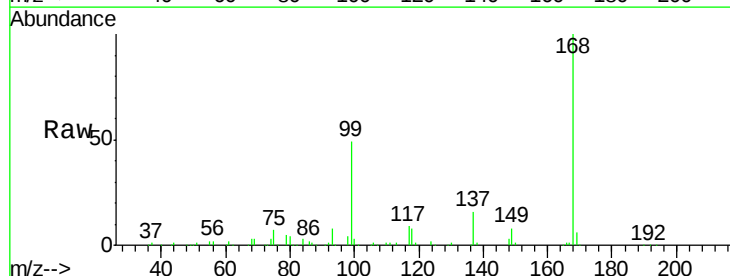
Instrument :
MSVOA_N
ClientSampled :

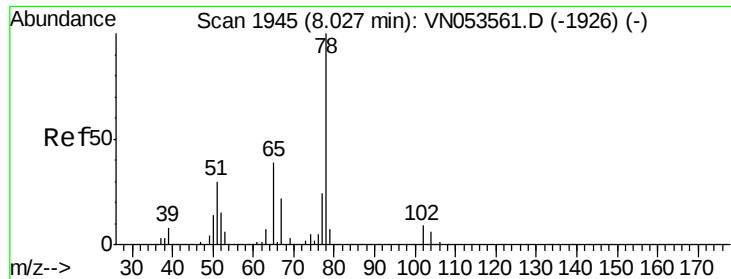
Tot Ion: 84 Resp: 4754
Ion Ratio Lower Upper
84 100
49 109.6 94.3 141.5
51 28.0 29.4 44.2#
86 55.4 51.4 77.0



#31
Cyclohexane
Concen: 0.682 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN053674.D
Acq: 8 Feb 2019 11:49

Tgt Ion: 56 Resp: 9548
Ion Ratio Lower Upper
56 100
69 160.0 26.4 39.6#
84 153.2 67.9 101.9#

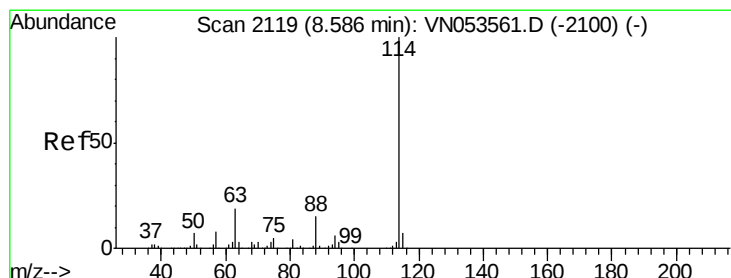
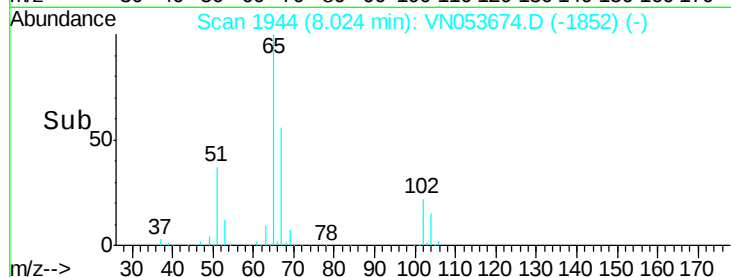
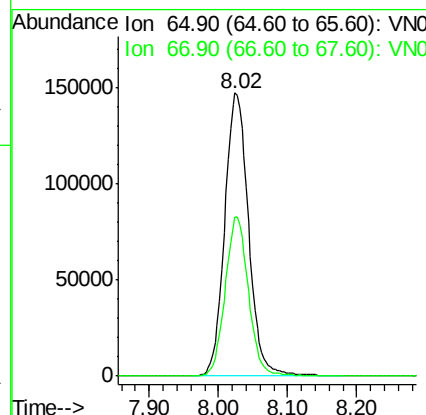
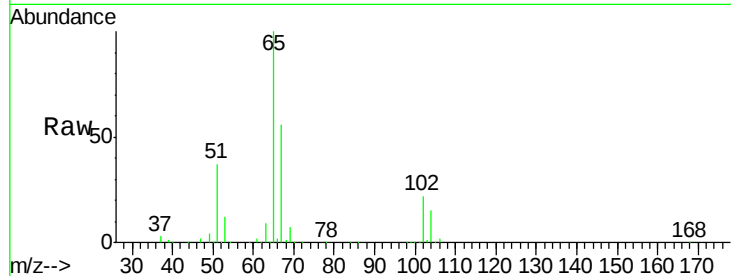




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053674.D
 Acq: 8 Feb 2019 11:49

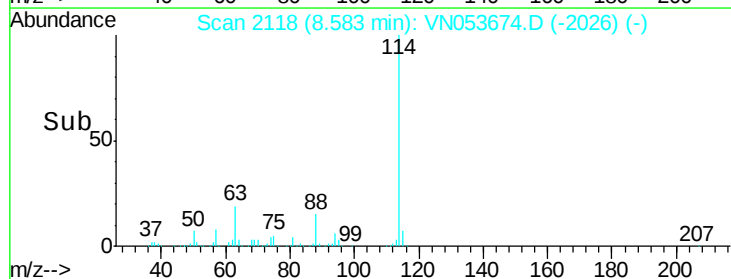
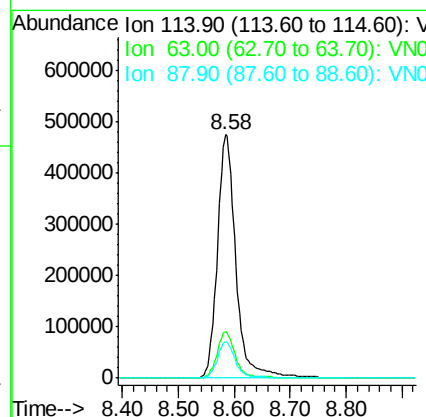
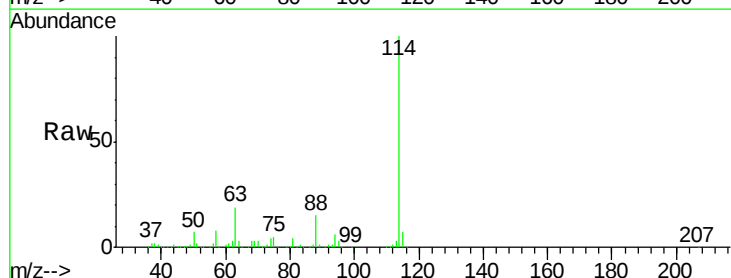
Instrument :
 MSVOA_N
 ClientSampleId :

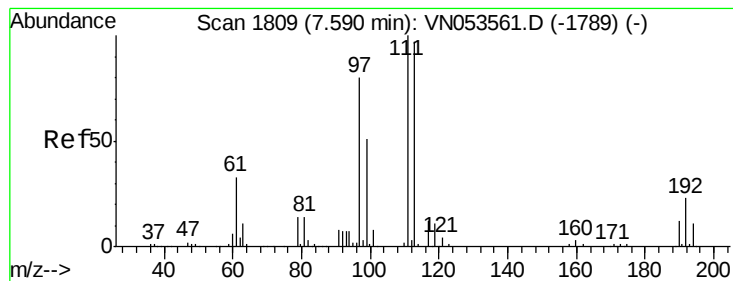
Tot Ion: 65 Resp: 354347
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053674.D
 Acq: 8 Feb 2019 11:49

Tgt Ion: 114 Resp: 1094940
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

Instrument :
MSVOA_N
ClientSampled :

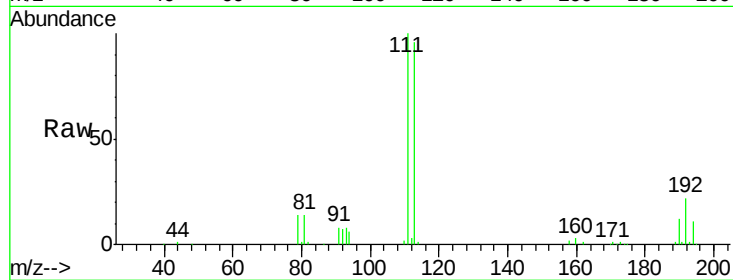
Tot Ion:113 Resp: 349989

Ion Ratio Lower Upper

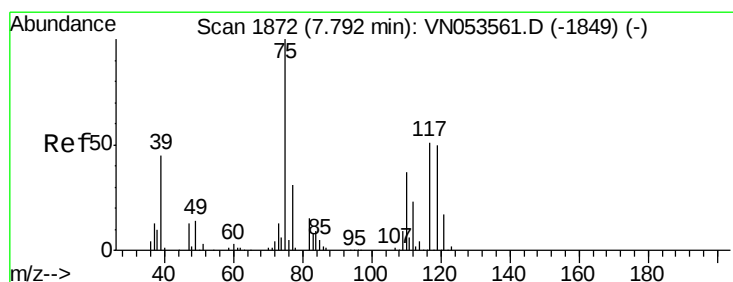
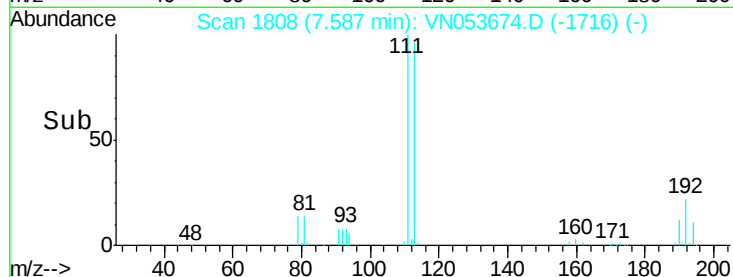
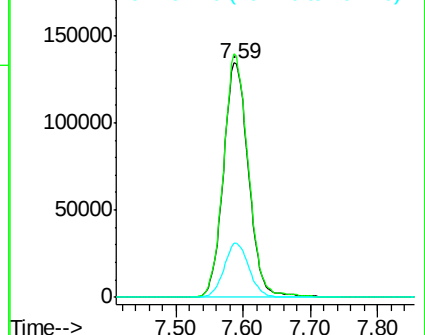
113 100

111 102.3 81.1 121.7

192 22.9 18.2 27.2



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: 3.957 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

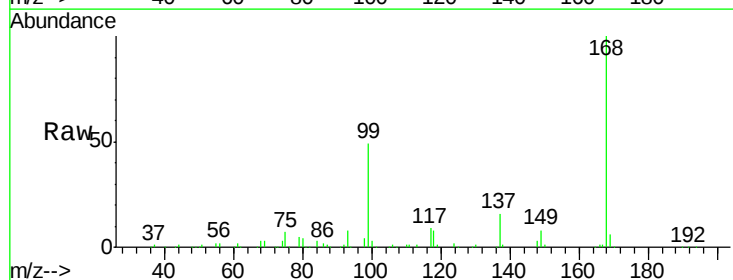
Tgt Ion: 75 Resp: 39060

Ion Ratio Lower Upper

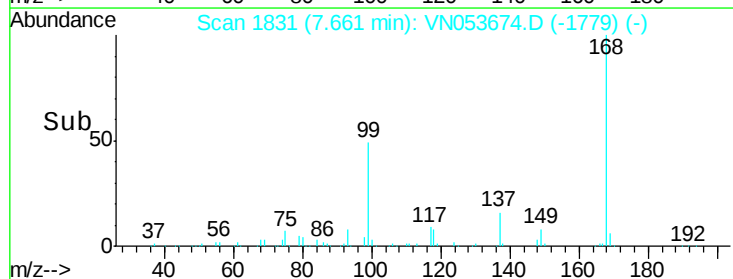
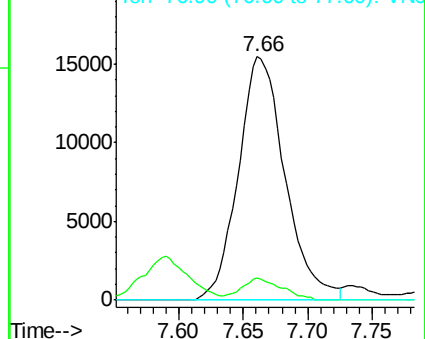
75 100

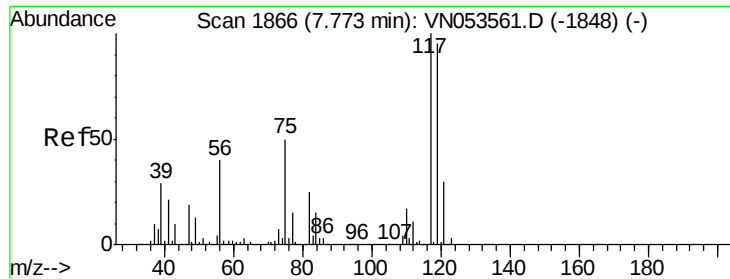
110 7.8 18.1 54.3#

77 0.0 25.1 37.7#



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





#38

Carbon Tetrachloride

Concen: 5.366 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

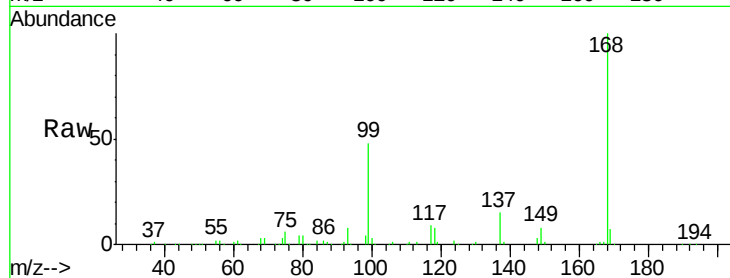
Tot Ion:117 Resp: 53355

Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

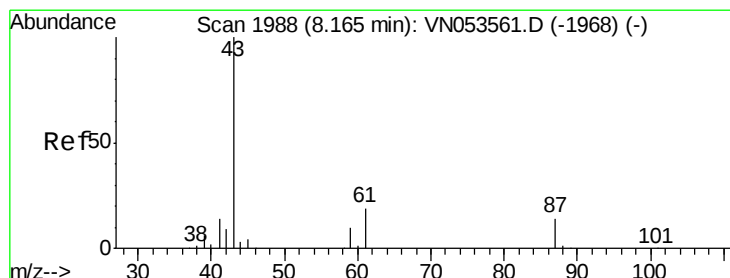
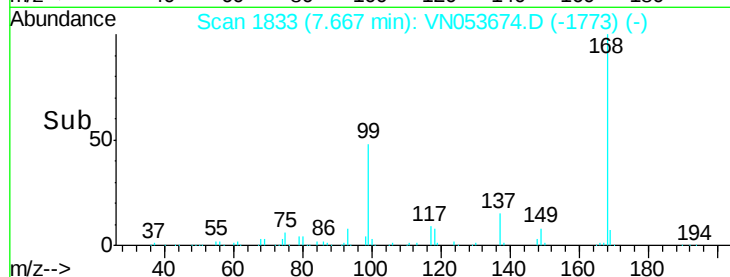
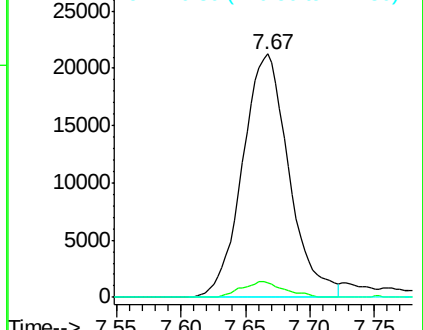
121 0.0 24.6 37.0#



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: 3.779 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.10 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

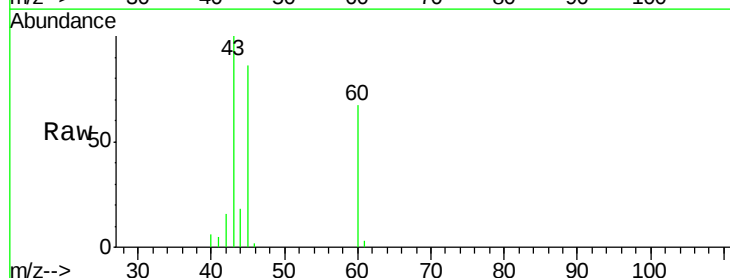
Tgt Ion: 43 Resp: 40231

Ion Ratio Lower Upper

43 100

61 1.2 23.9 35.9#

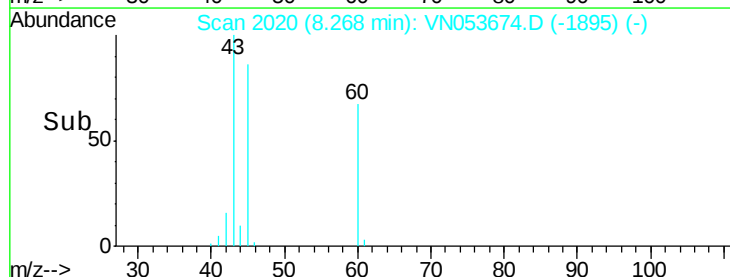
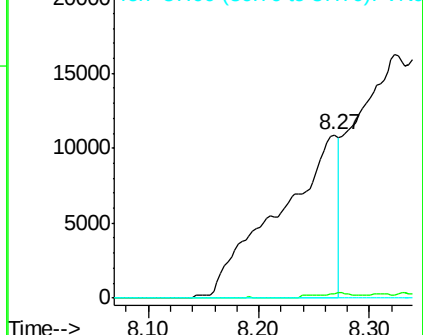
87 0.0 11.0 16.6#

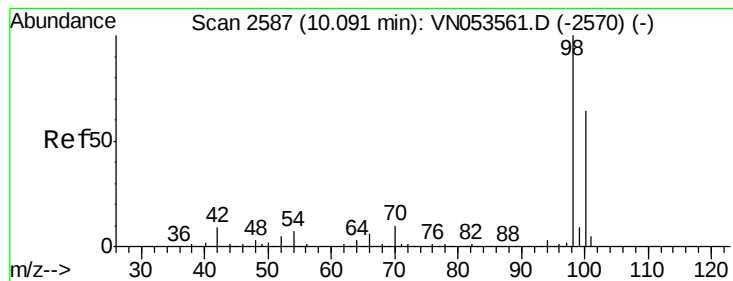


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

Instrument :

MSVOA_N

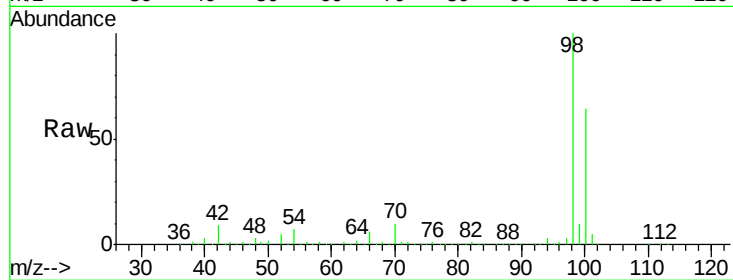
ClientSampled :

Tot Ion: 98 Resp: 1311432

Ion Ratio Lower Upper

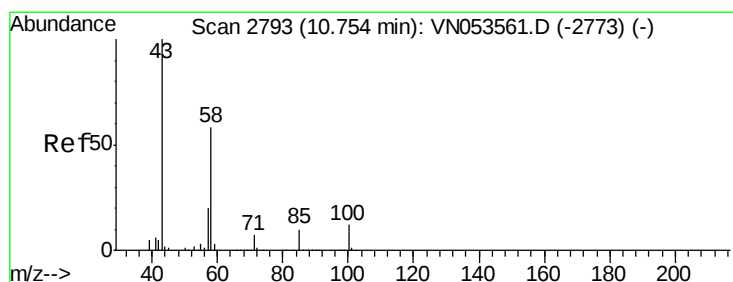
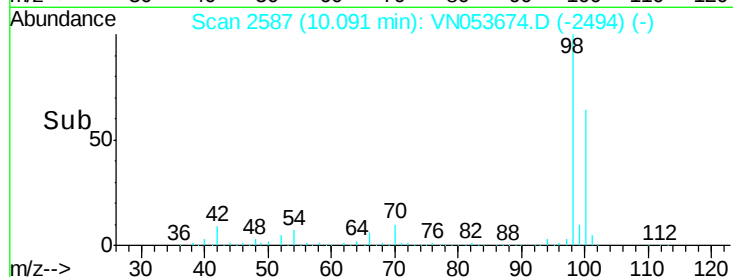
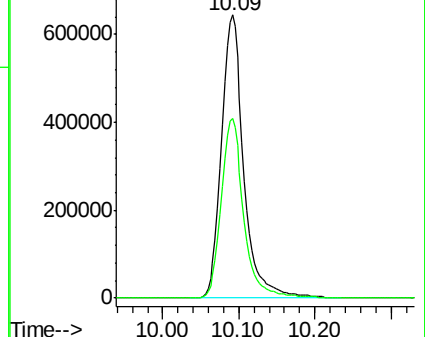
98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)



#59

2-Hexanone

Concen: 0.531 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN053674.D

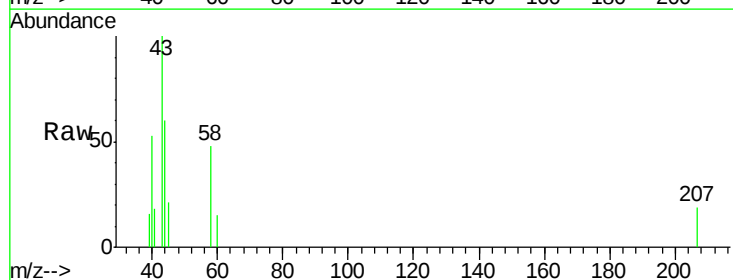
Acq: 8 Feb 2019 11:49

Tgt Ion: 43 Resp: 1886

Ion Ratio Lower Upper

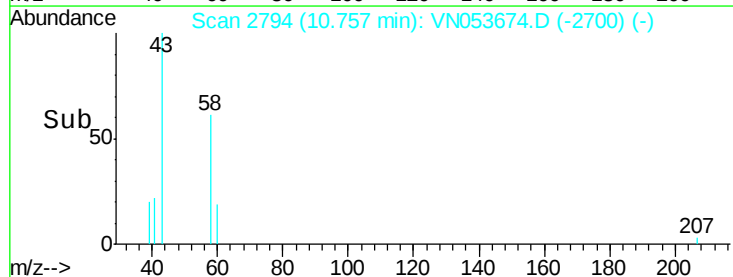
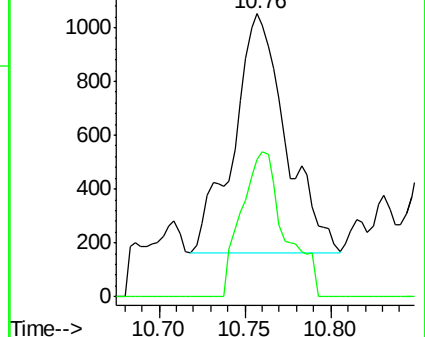
43 100

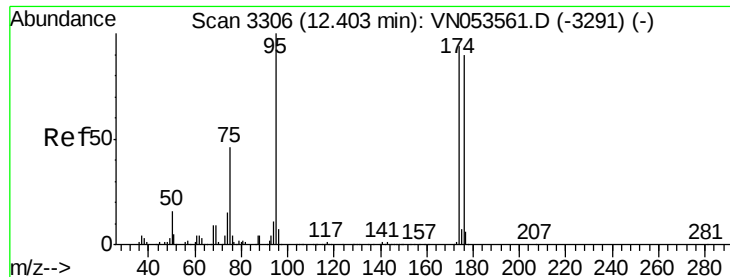
58 50.2 28.6 85.8



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2773) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2773) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampleId :

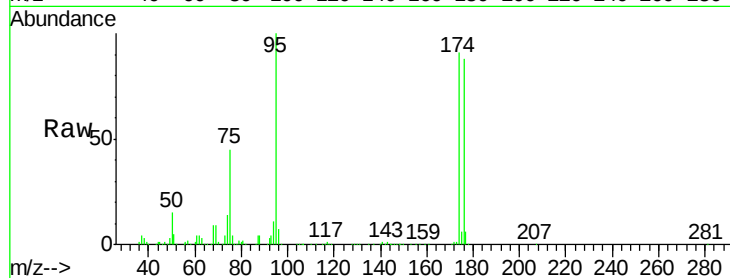
Tot Ion: 95 Resp: 439067

Ion Ratio Lower Upper

95 100

174 93.6 0.0 183.2

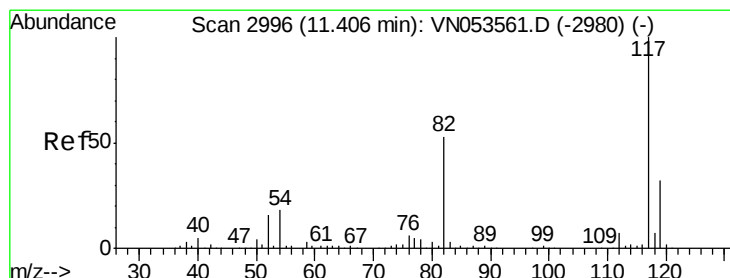
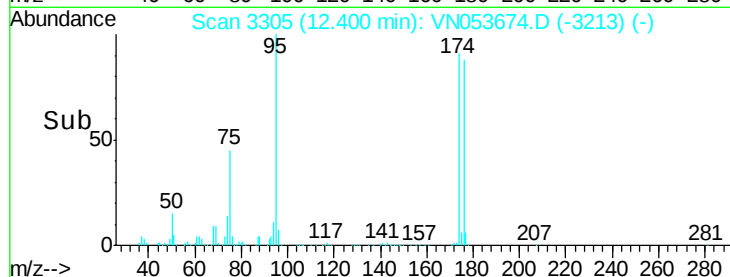
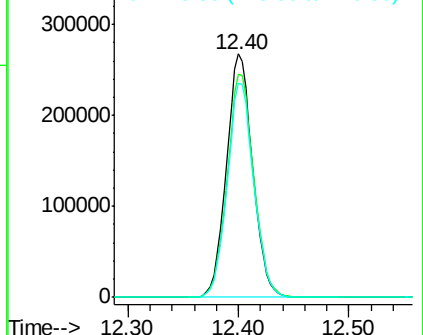
176 89.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

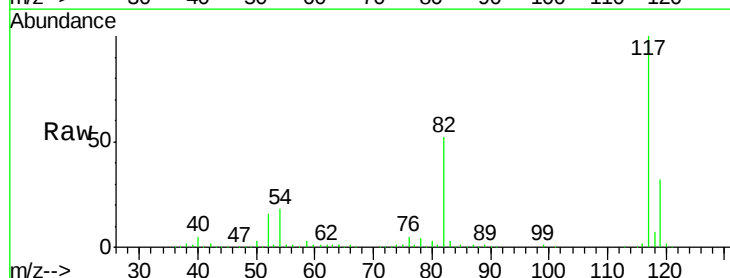
Tgt Ion: 117 Resp: 997584

Ion Ratio Lower Upper

117 100

82 52.2 42.9 64.3

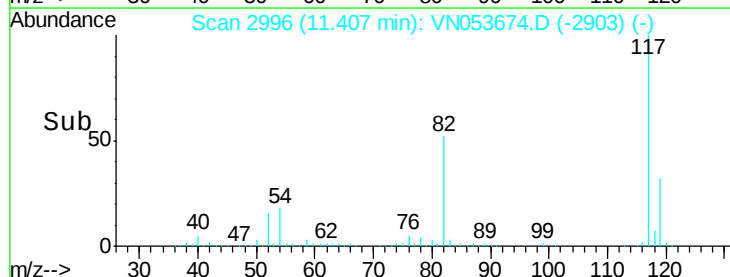
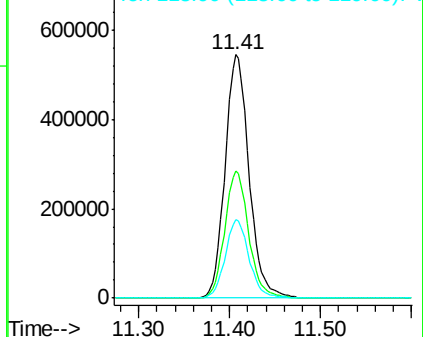
119 32.3 26.0 39.0

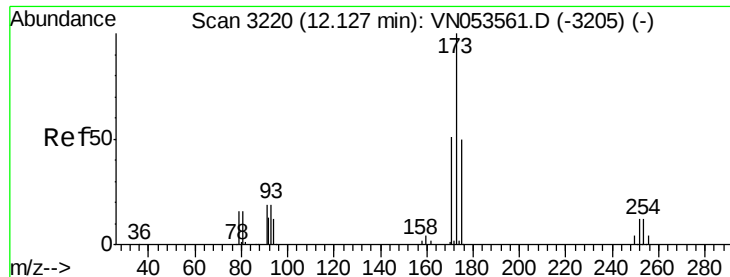


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.642 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

Instrument :

MSVOA_N

ClientSampled :

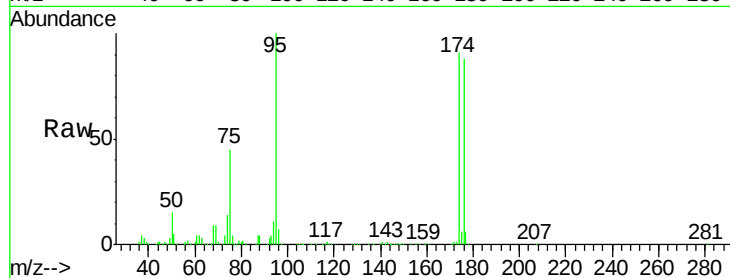
Tot Ion:173 Resp: 3259

Ion Ratio Lower Upper

173 100

175 779.7 24.6 74.0#

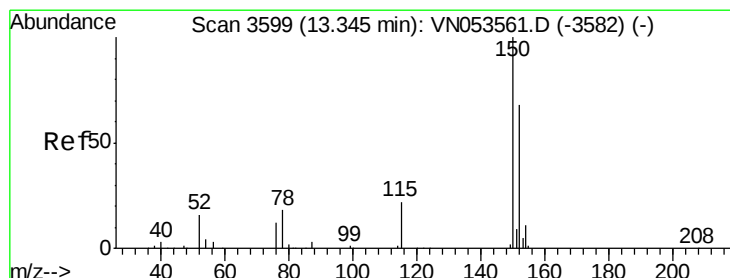
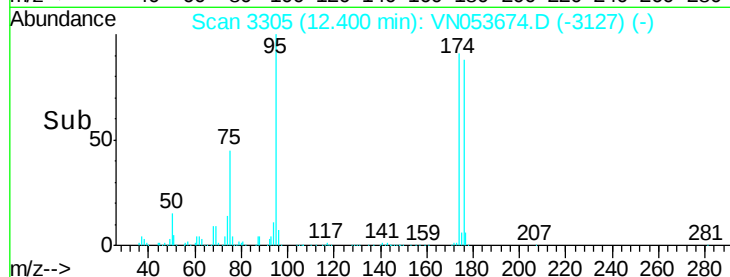
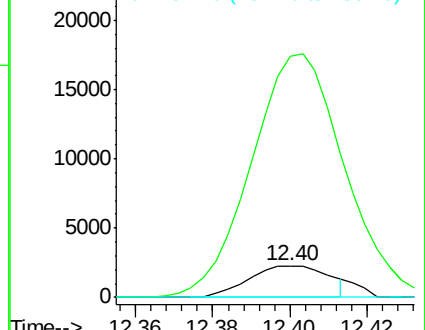
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

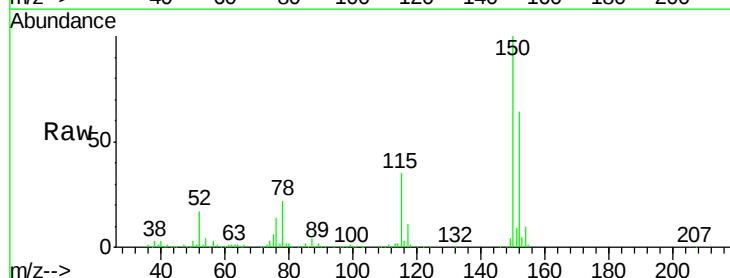
Tgt Ion:152 Resp: 402018

Ion Ratio Lower Upper

152 100

115 54.3 27.8 83.4

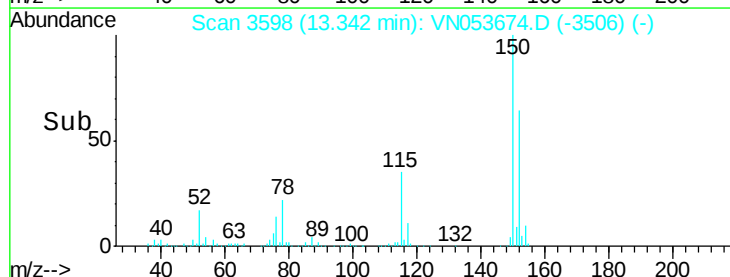
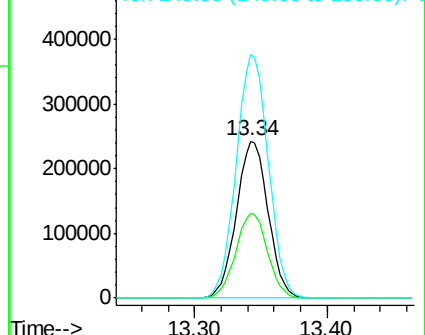
150 157.5 0.0 349.0

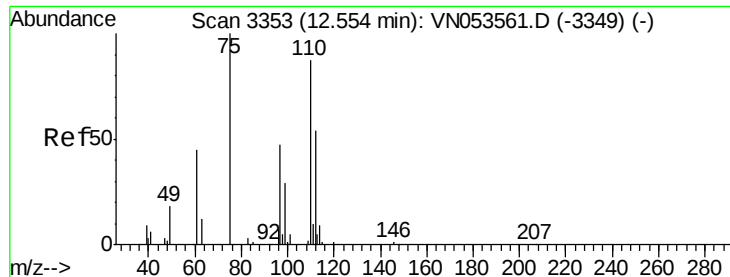


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.651 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

Instrument :

MSVOA_N

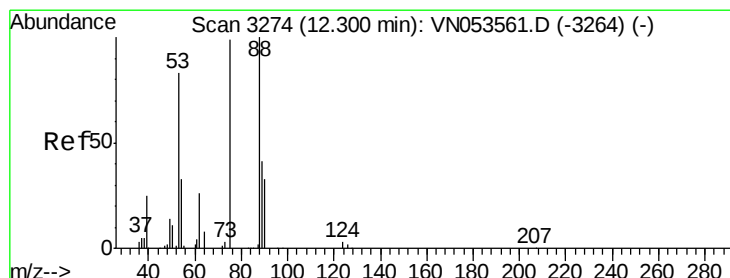
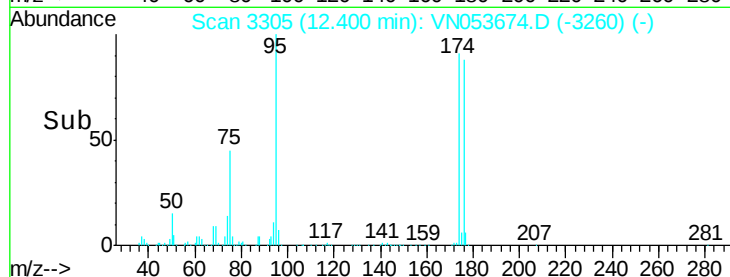
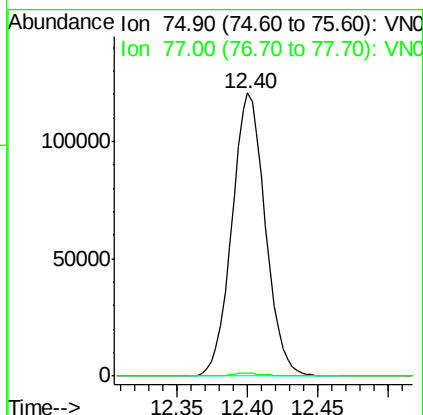
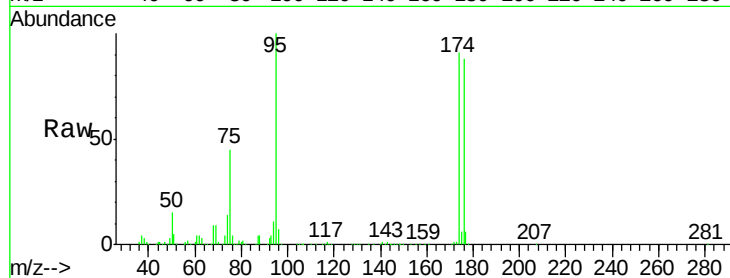
ClientSampled :

Tot Ion: 75 Resp: 199582

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 108.684 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053674.D

Acq: 8 Feb 2019 11:49

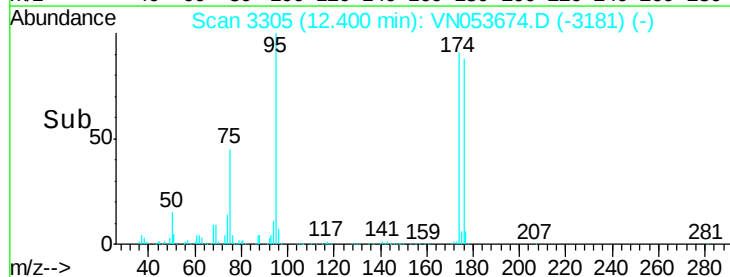
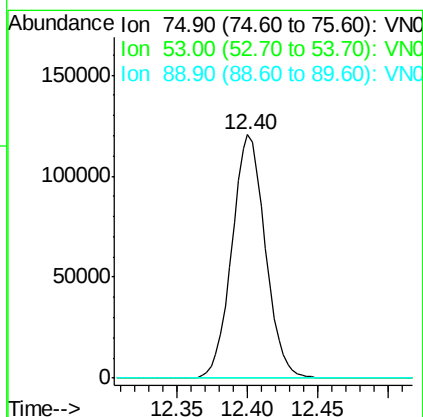
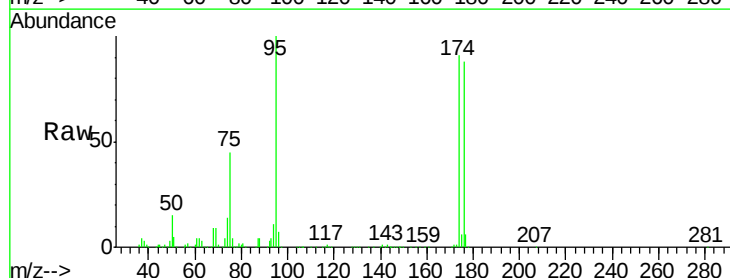
Tgt Ion: 75 Resp: 199582

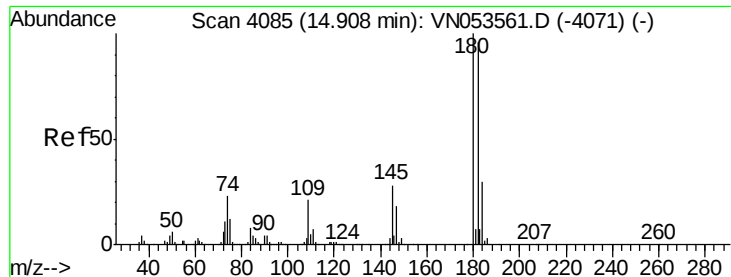
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

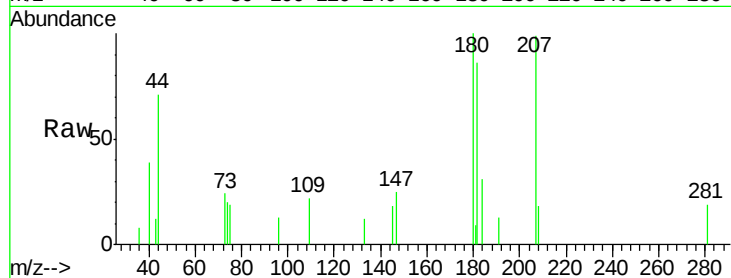




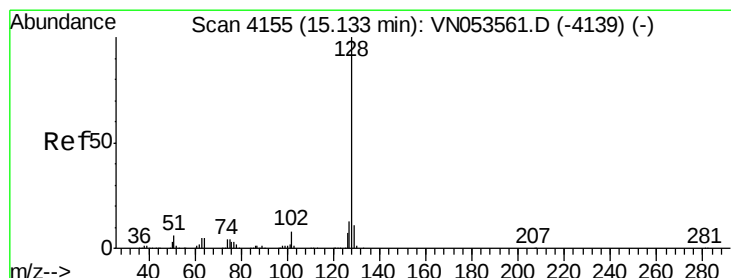
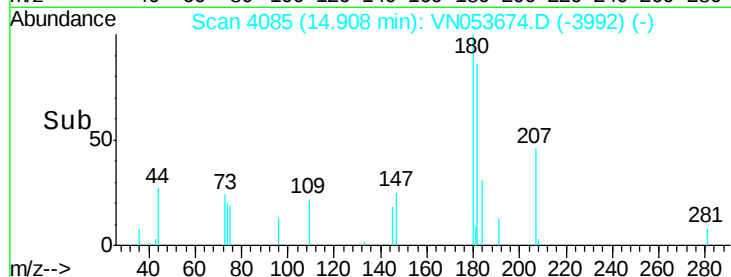
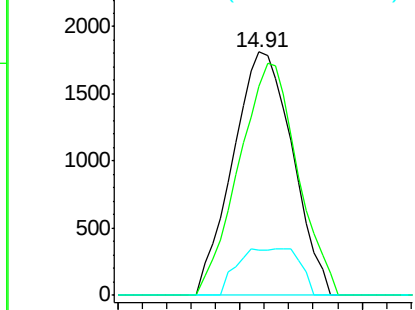
#93
 1,2,4-Trichlorobenzene
 Concen: 0.409 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053674.D
 Acq: 8 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 3073
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.1 144.3
 145 19.9 13.9 41.6

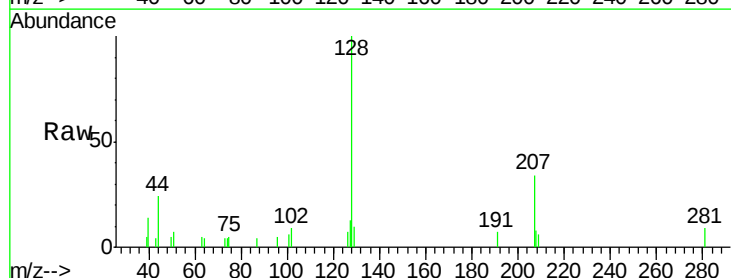


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

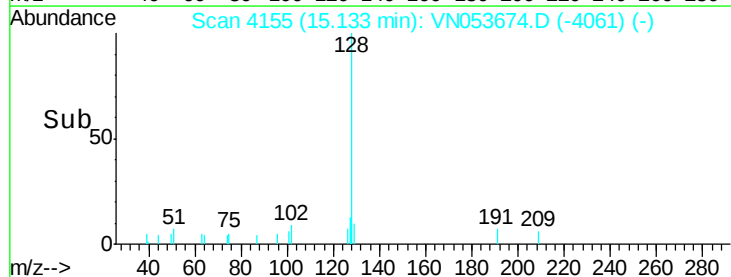
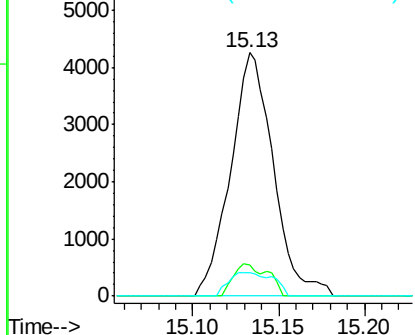


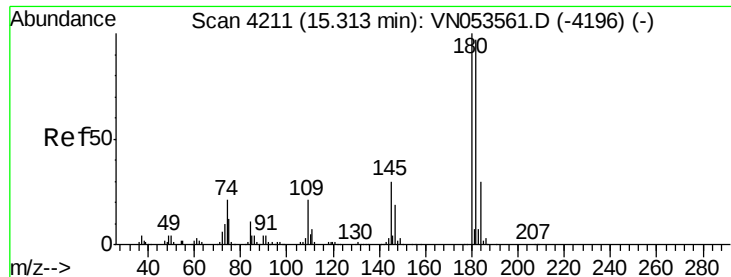
#95
 Naphthalene
 Concen: 2.139 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053674.D
 Acq: 8 Feb 2019 11:49

Tgt Ion:128 Resp: 7376
 Ion Ratio Lower Upper
 128 100
 127 10.5 10.3 15.5
 129 10.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

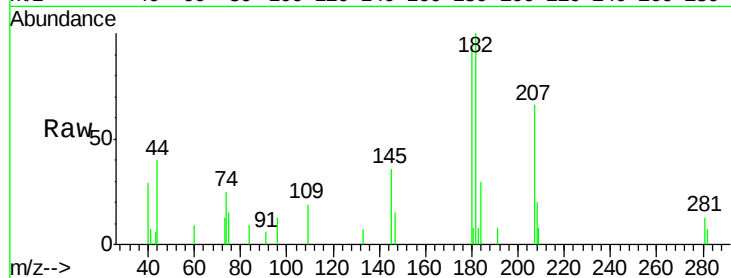




#96
 1,2,3-Trichlorobenzene
 Concen: 0.570 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053674.D
 Acq: 8 Feb 2019 11:49

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.9	143.8
145	33.8	14.7	44.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

