

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053306.D
 Acq On : 8 Jan 2019 9:44
 Operator : MD\SY
 Sample : VN0108WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBL01

Quant Time: Jan 09 00:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1084078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1690892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1556202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	627628	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	548824	48.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.32%	
35) Dibromofluoromethane	7.59	113	486129	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
50) Toluene-d8	10.09	98	2082012	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	702035	48.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.58%	

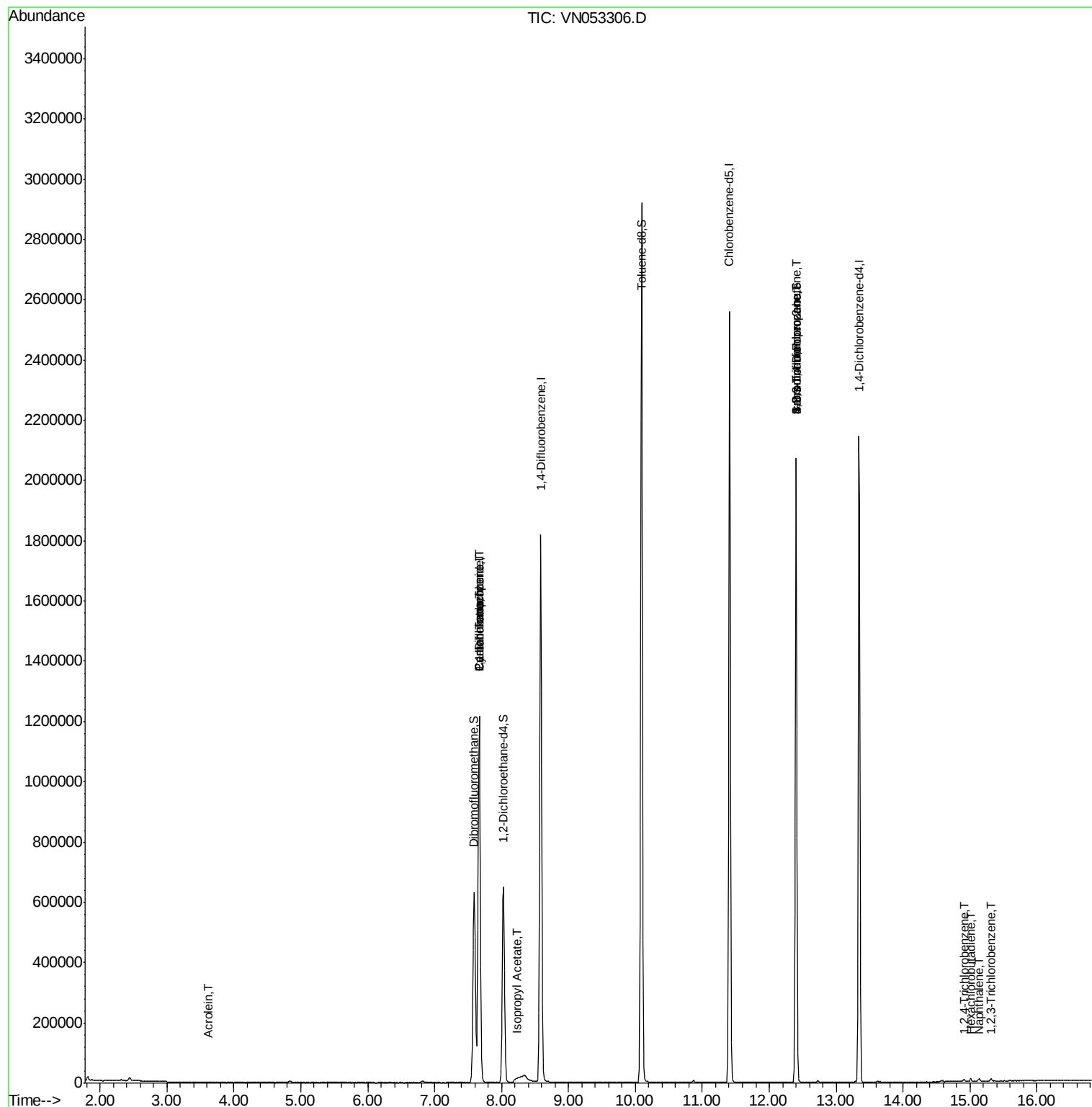
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	497	0.583	ug/l	90
16) Acetone	3.82	43	1994	Below Cal		95
31) Cyclohexane	7.67	56	18272	0.758	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	70797	4.485	ug/l #	48
38) Carbon Tetrachloride	7.67	117	94499	6.486	ug/l #	16
43) Isopropyl Acetate	8.23	43	13724	0.678	ug/l #	52
71) Bromoform	12.40	173	4627	0.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	326226	35.636	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	326226	104.848	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	2950	0.456	ug/l	96
94) Hexachlorobutadiene	15.01	225	2190	0.414	ug/l	99
95) Naphthalene	15.14	128	7972	0.722	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	3234	0.764	ug/l	91

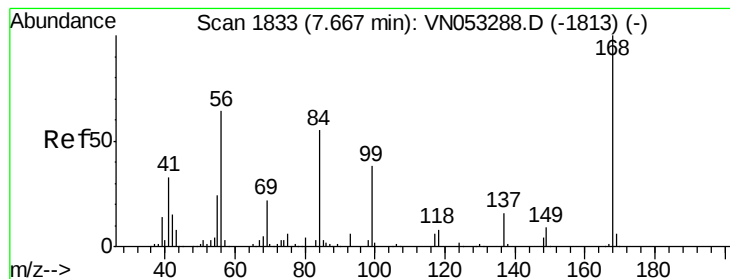
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010819\
Data File : VN053306.D
Acq On : 8 Jan 2019 9:44
Operator : MD\SY
Sample : VN0108WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0108WBL01

Quant Time: Jan 09 00:05:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

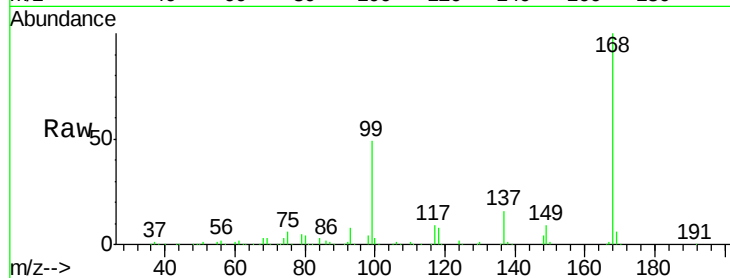
VN0108WBL01

Tot Ion:168 Resp: 1084078

Ion Ratio Lower Upper

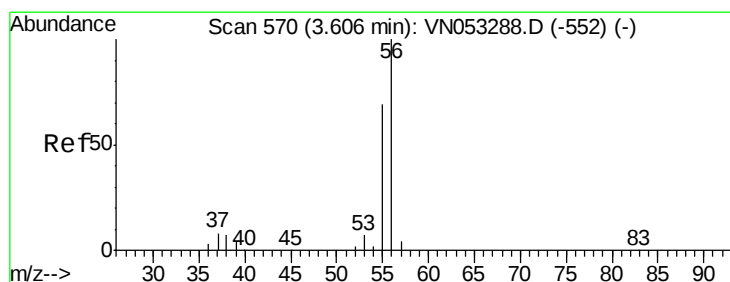
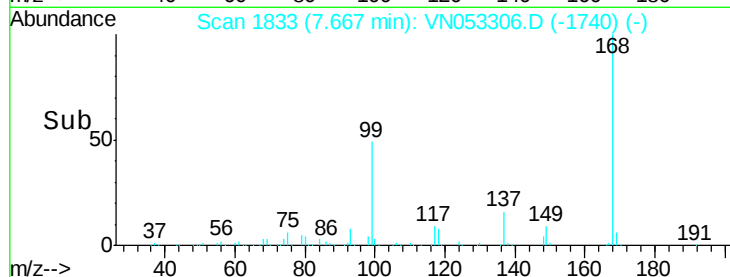
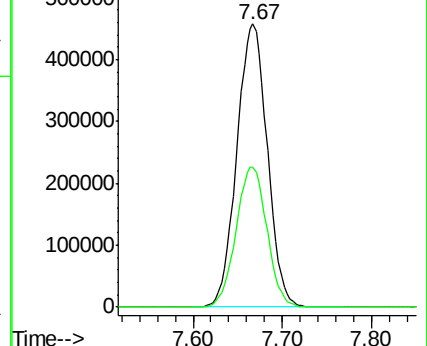
168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.583 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053306.D

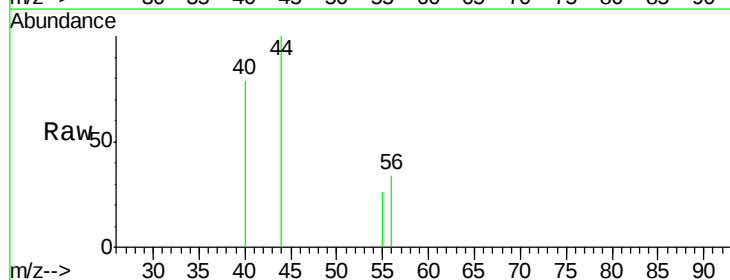
Acq: 8 Jan 2019 9:44

Tgt Ion: 56 Resp: 497

Ion Ratio Lower Upper

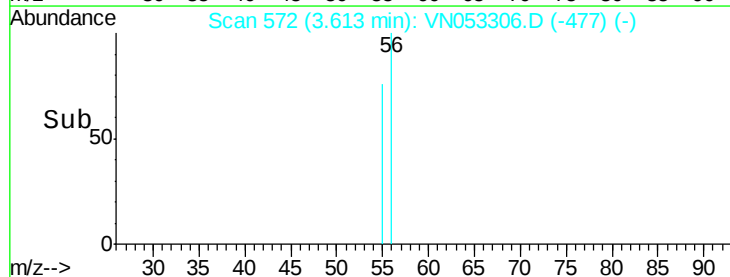
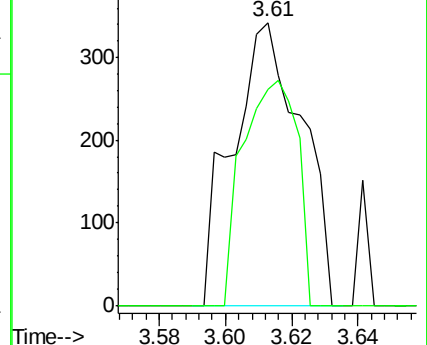
56 100

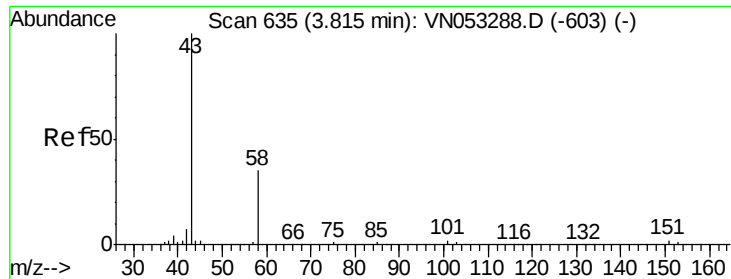
55 62.4 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

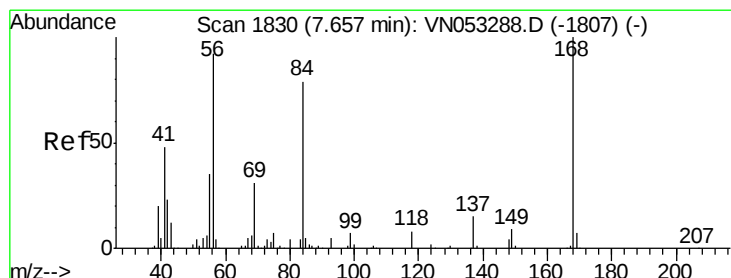
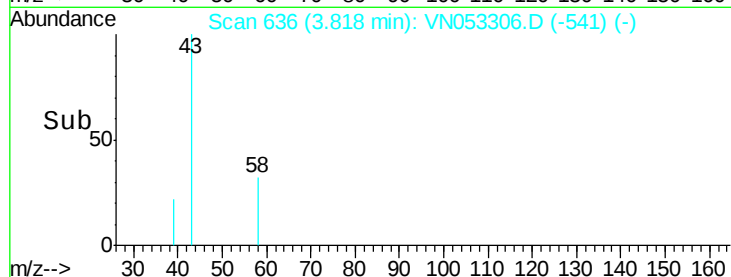
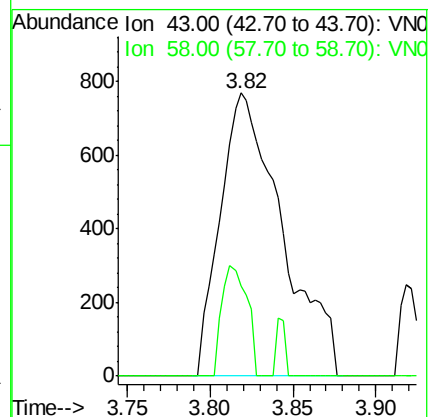
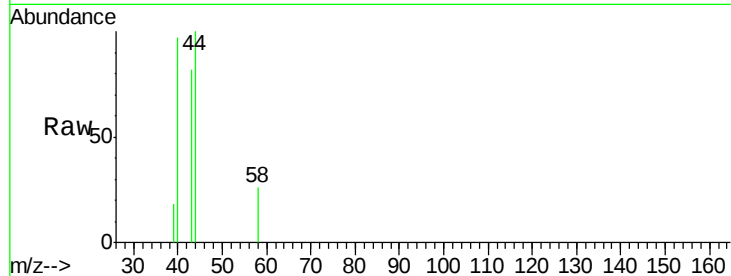
VN0108WBL01

Tot Ion: 43 Resp: 1994

Ion Ratio Lower Upper

43 100

58 31.8 27.8 41.6



#31

Cyclohexane

Concen: 0.758 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

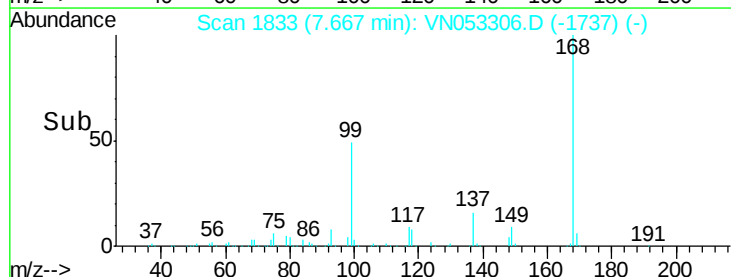
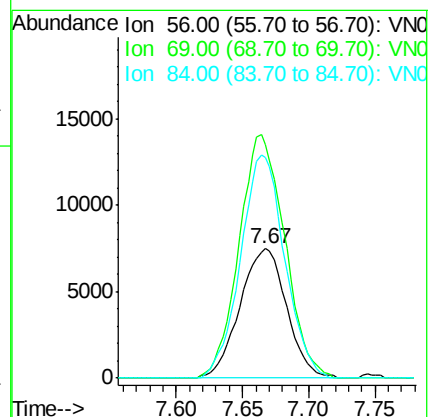
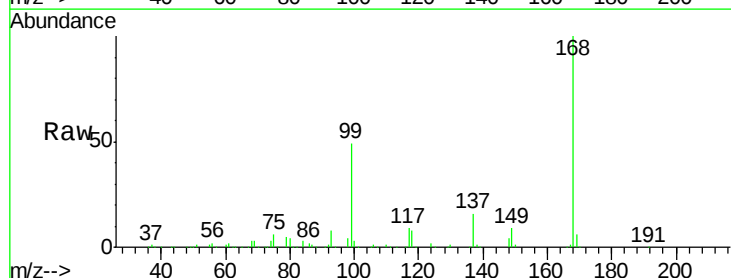
Tgt Ion: 56 Resp: 18272

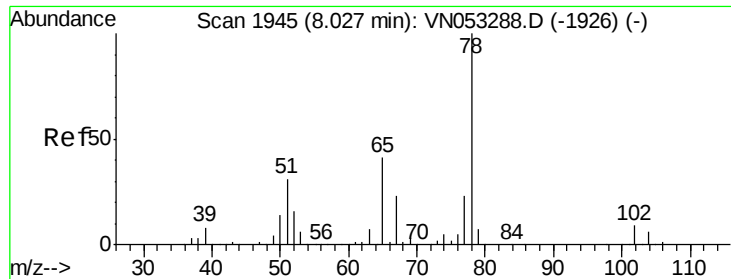
Ion Ratio Lower Upper

56 100

69 180.2 26.7 40.1#

84 170.9 68.2 102.4#

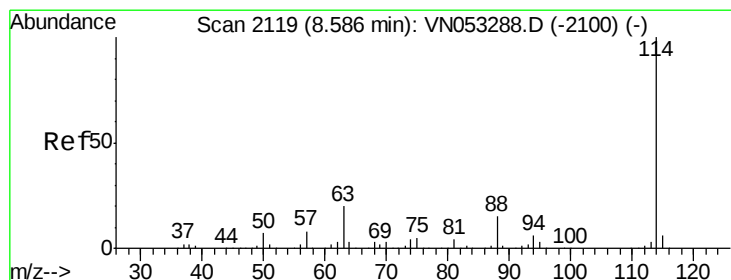
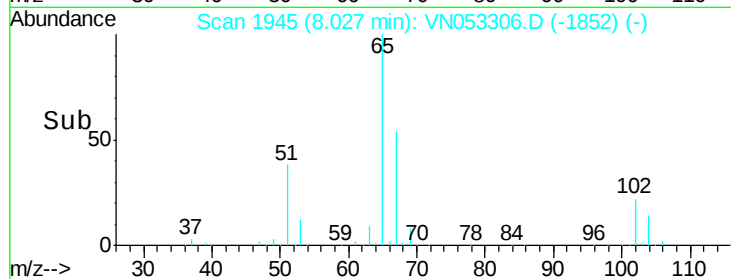
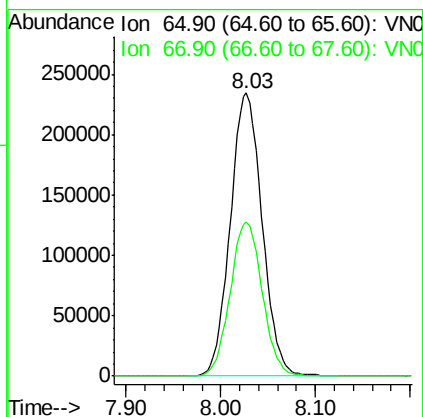
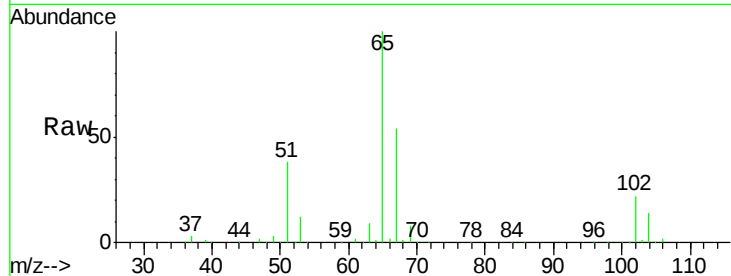




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053306.D
 Acq: 8 Jan 2019 9:44

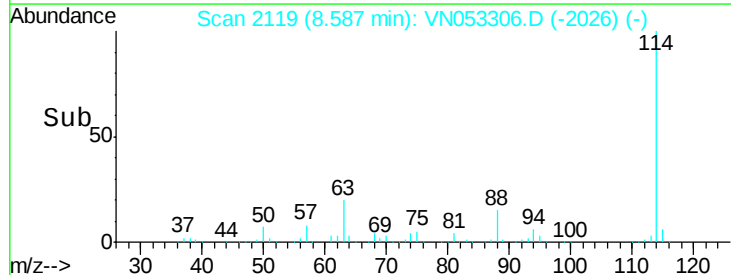
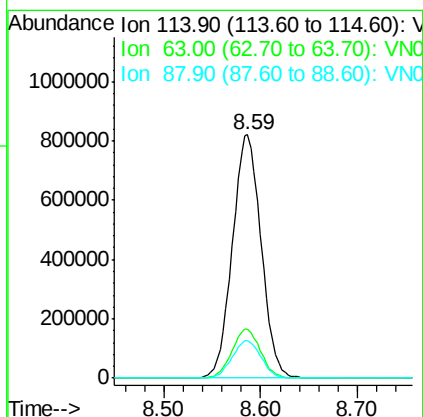
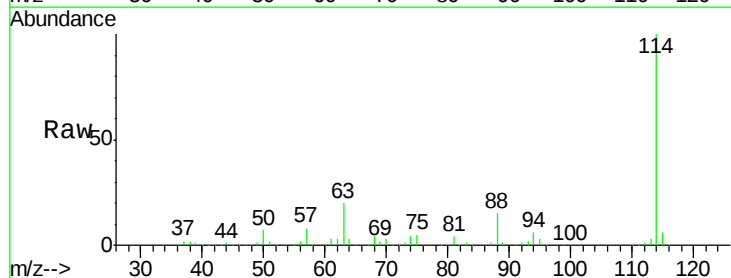
Instrument :
 MSVOA_N
 ClientSampled :
 VN0108WBL01

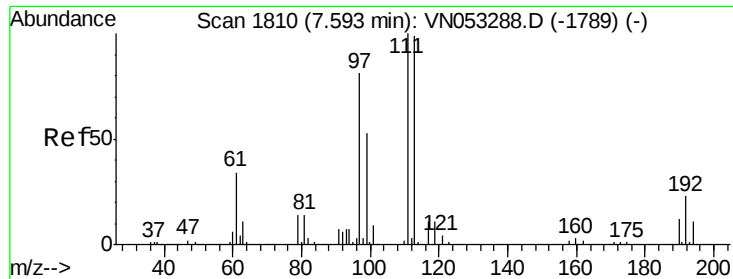
Tot Ion: 65 Resp: 548824
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053306.D
 Acq: 8 Jan 2019 9:44

Tgt Ion: 114 Resp: 1690892
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.5 0.0 30.8

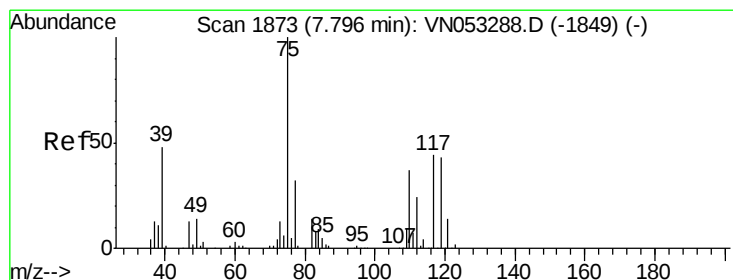
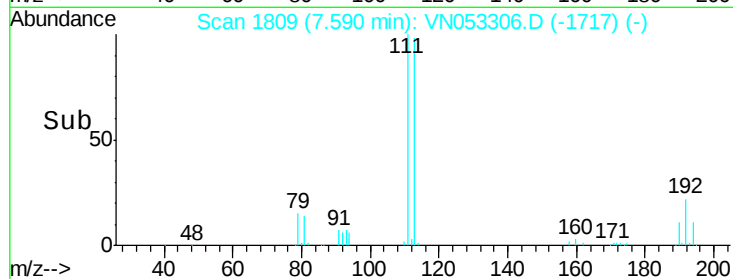
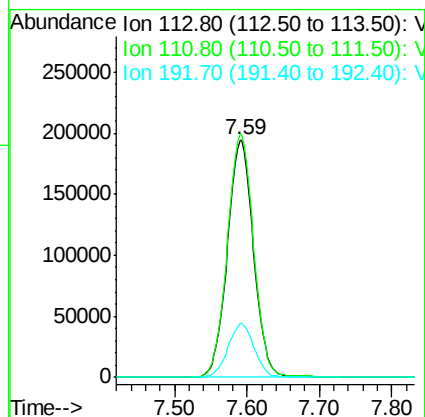
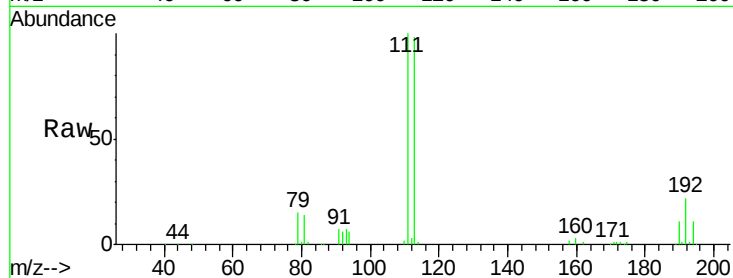




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053306.D
 Acq: 8 Jan 2019 9:44

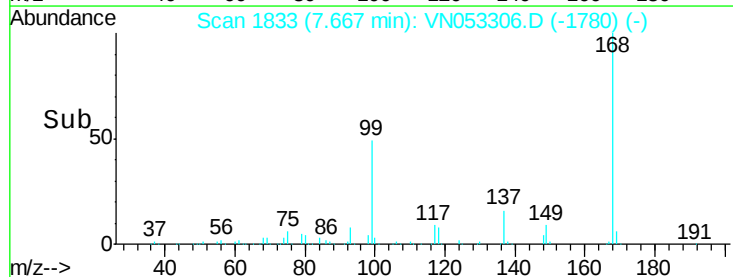
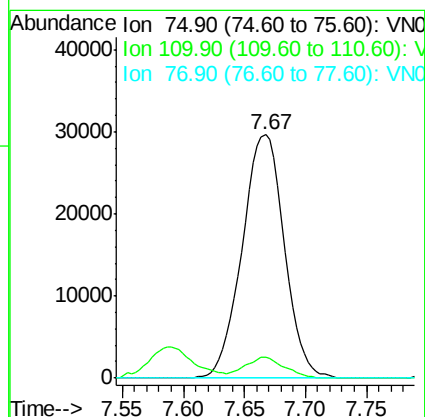
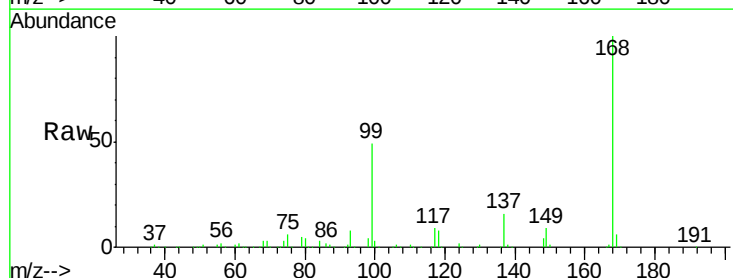
Instrument :
 MSVOA_N
 ClientSampled :
 VN0108WBL01

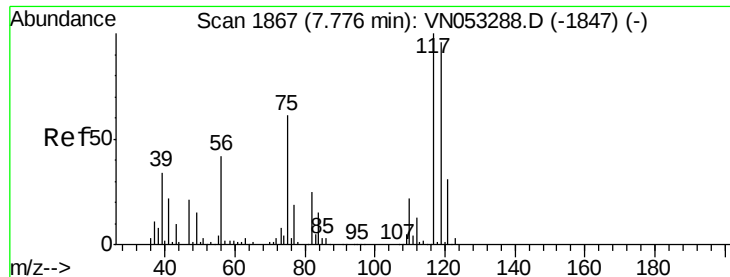
Tot Ion:113 Resp: 486129
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.2
 192 22.7 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.485 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053306.D
 Acq: 8 Jan 2019 9:44

Tgt Ion: 75 Resp: 70797
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.4 55.0#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.486 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VN0108WBL01

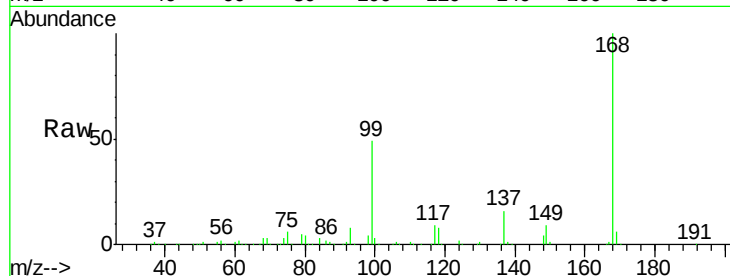
Tot Ion:117 Resp: 94499

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

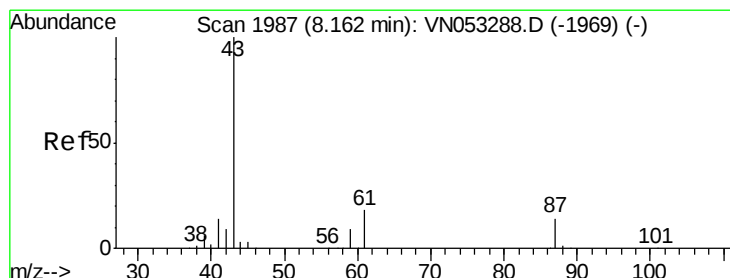
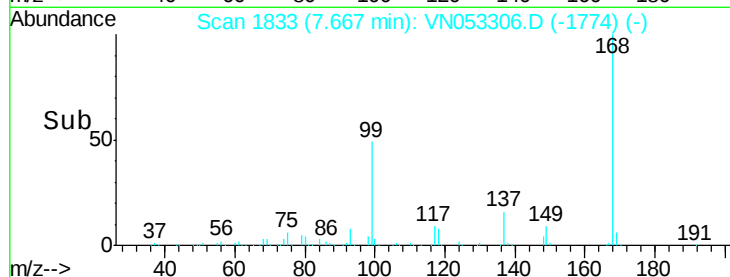
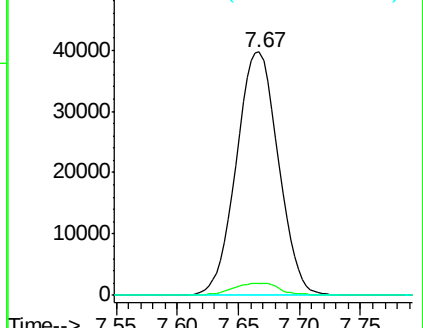
121 0.0 25.0 37.4#



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: 0.678 ug/l

RT: 8.23 min Scan# 2007

Delta R.T. 0.06 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

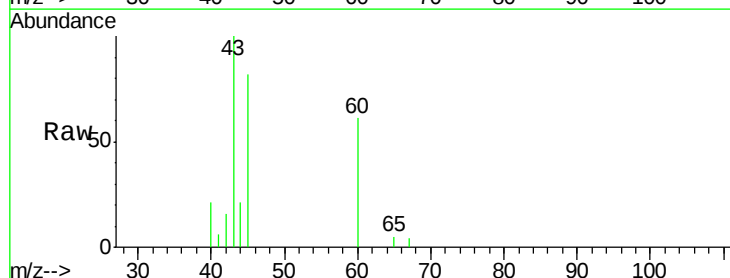
Tgt Ion: 43 Resp: 13724

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

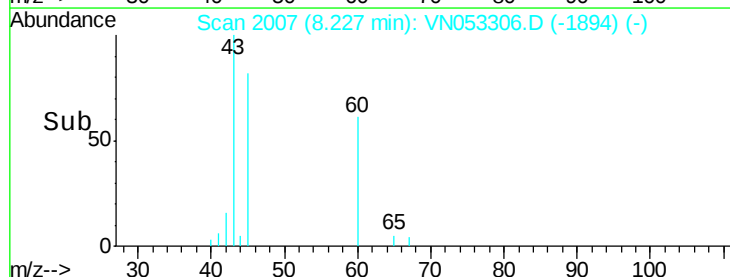
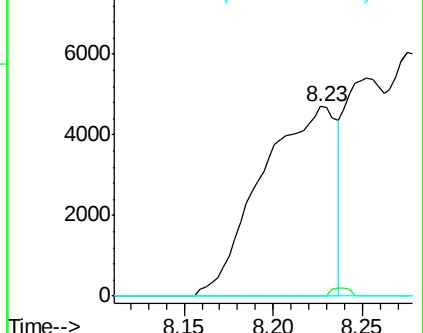
87 0.0 10.8 16.2#

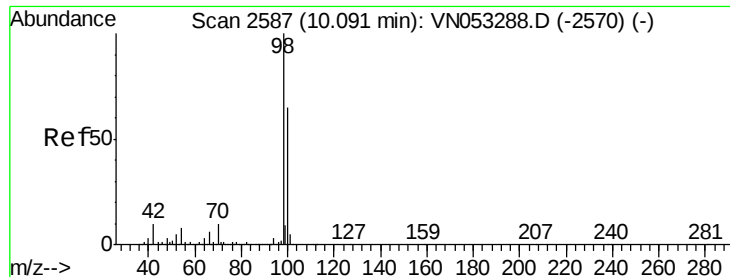


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

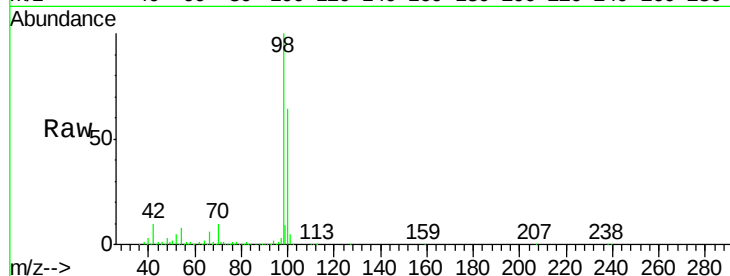
VN0108WBL01

Tot Ion: 98 Resp: 2082012

Ion Ratio Lower Upper

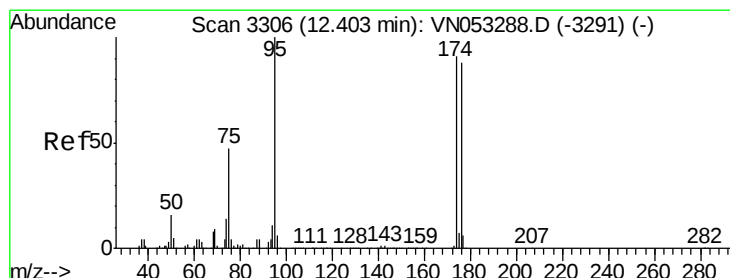
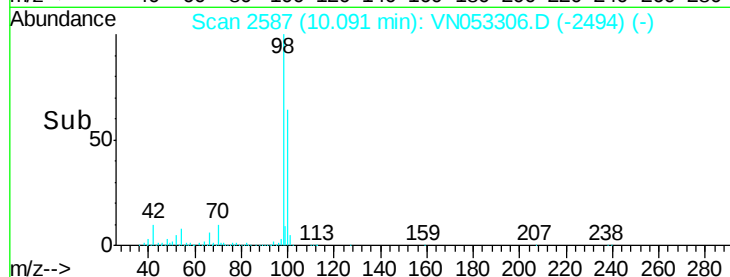
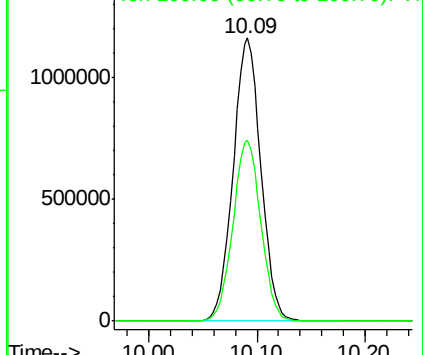
98 100

100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

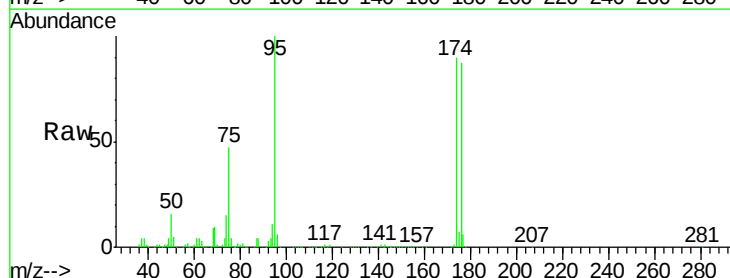
Tgt Ion: 95 Resp: 702035

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.4

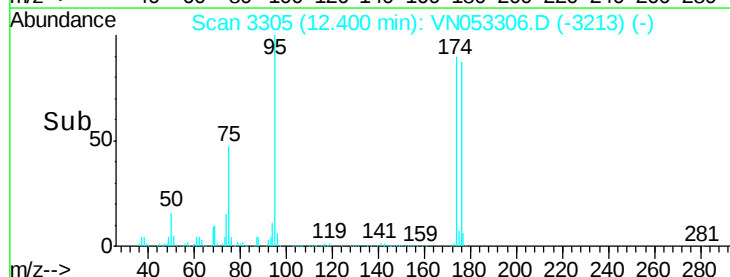
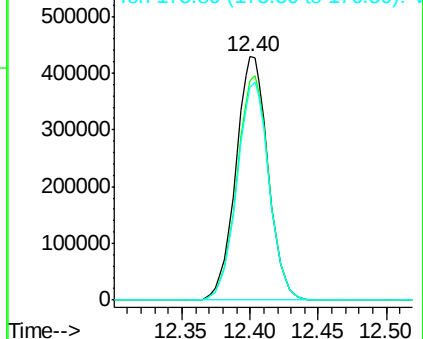
176 88.7 0.0 175.6

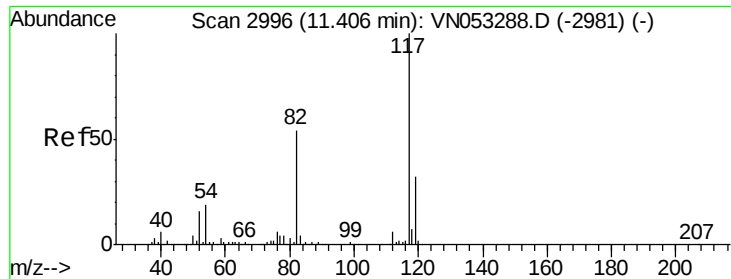


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

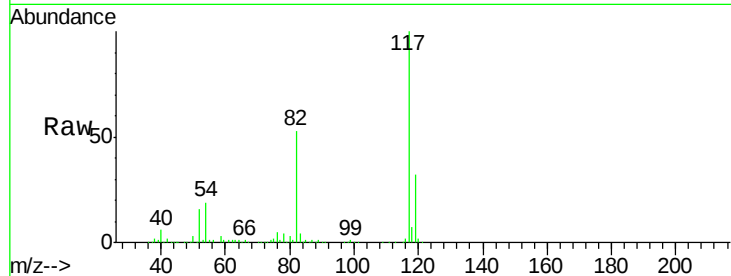




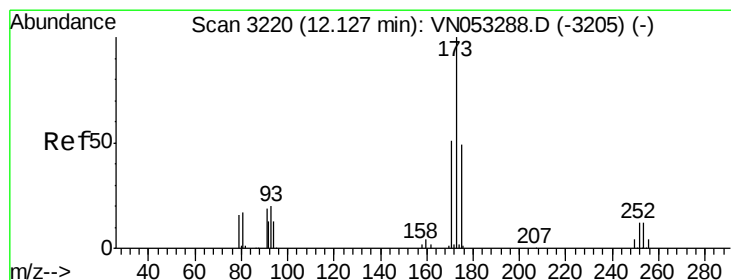
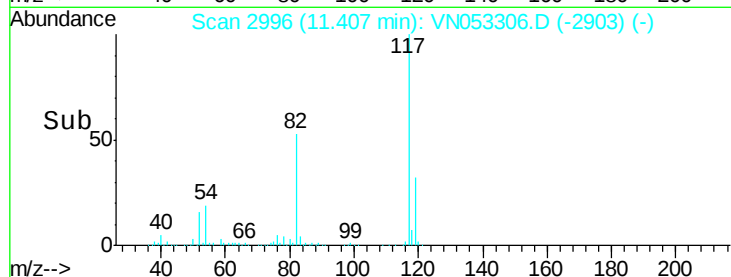
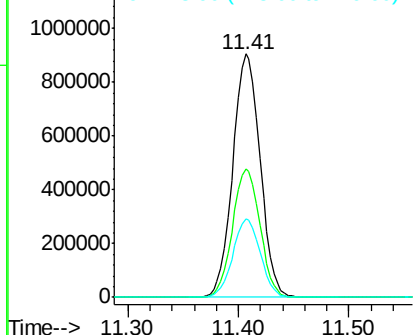
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053306.D
Acq: 8 Jan 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VN0108WBL01

Tot Ion:117 Resp: 1556202
Ion Ratio Lower Upper
117 100
82 52.9 42.9 64.3
119 32.3 25.6 38.4

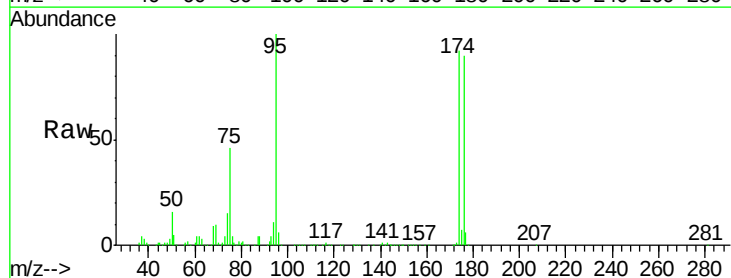


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

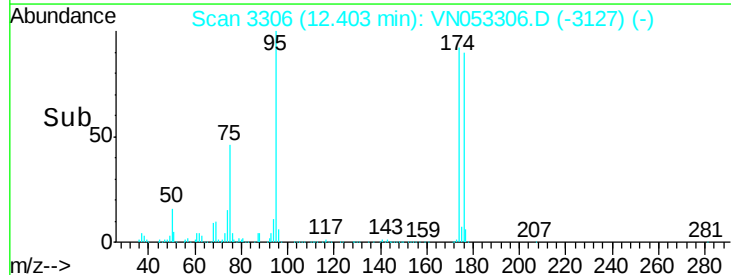
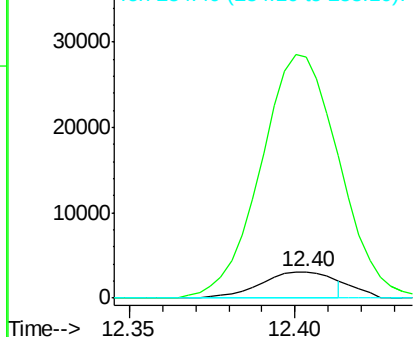


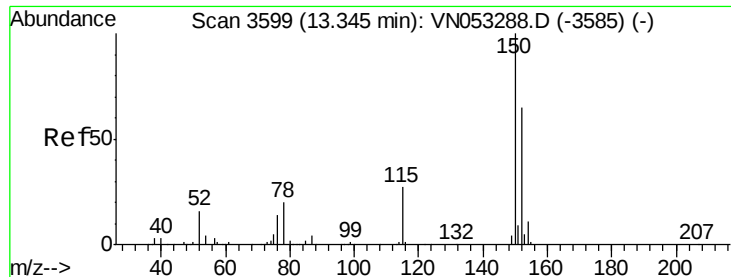
#71
Bromoform
Concen: 0.554 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053306.D
Acq: 8 Jan 2019 9:44

Tgt Ion:173 Resp: 4627
Ion Ratio Lower Upper
173 100
175 896.5 24.3 72.8#
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: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VN0108WBL01

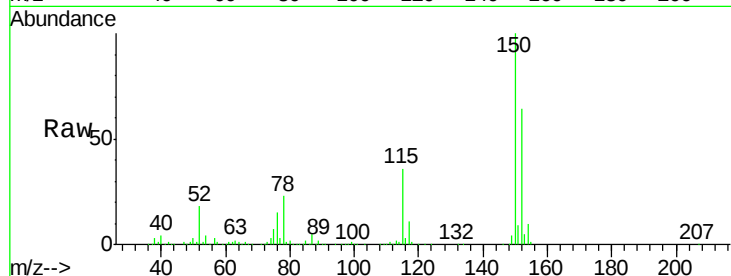
Tot Ion:152 Resp: 627628

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

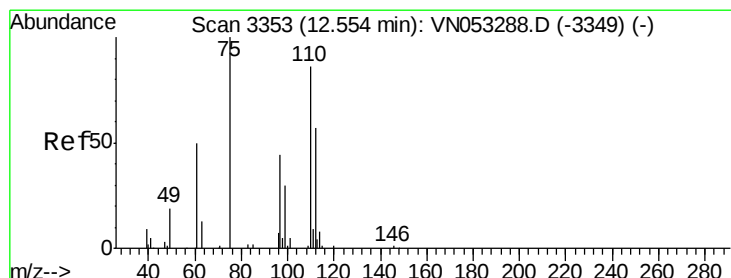
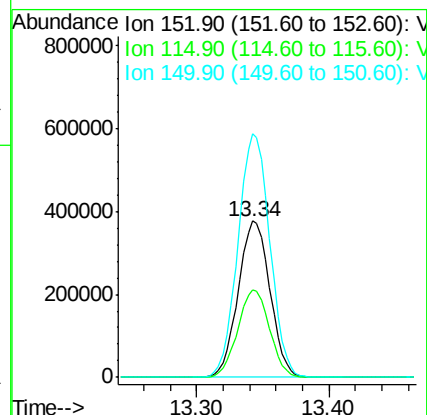
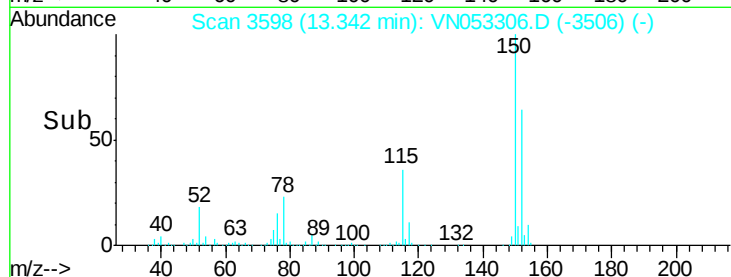
150 156.2 0.0 346.6



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: 35.636 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053306.D

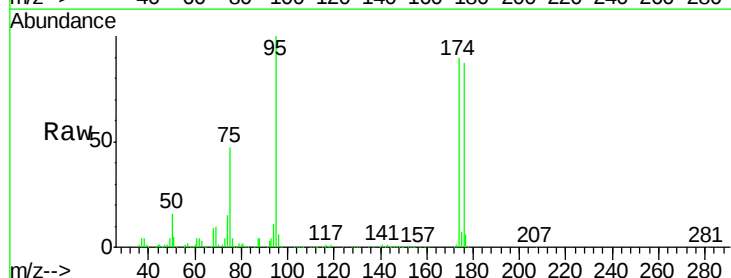
Acq: 8 Jan 2019 9:44

Tgt Ion: 75 Resp: 326226

Ion Ratio Lower Upper

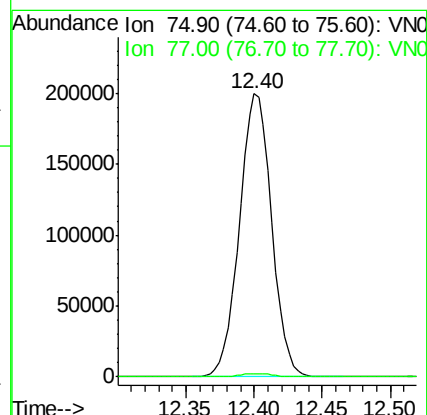
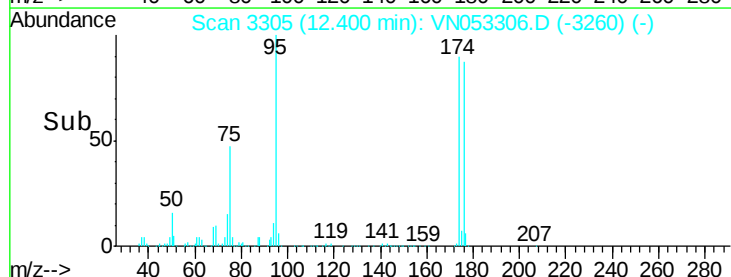
75 100

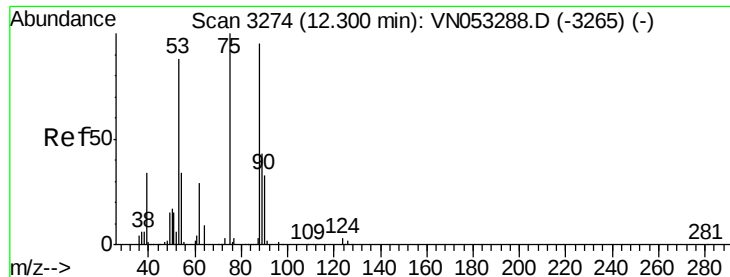
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 104.848 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VN0108WBL01

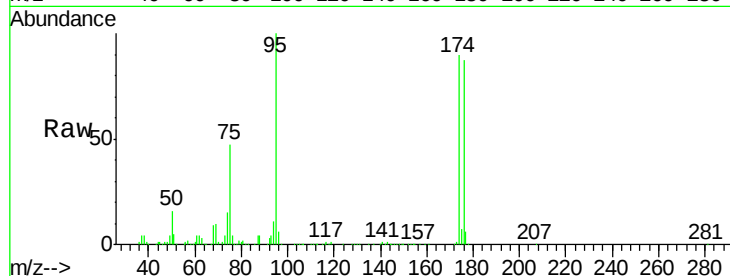
Tot Ion: 75 Resp: 326226

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 35.4 53.0#

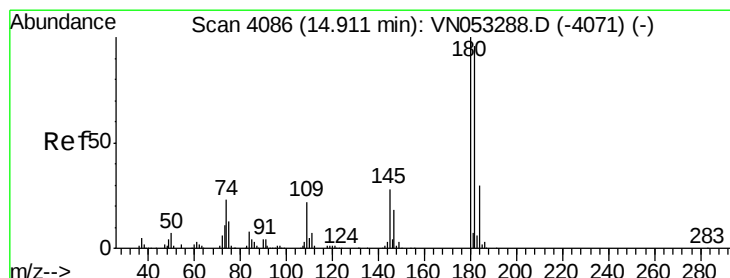
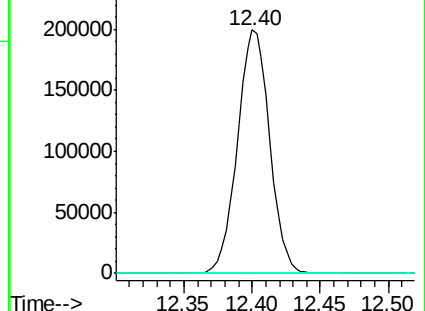
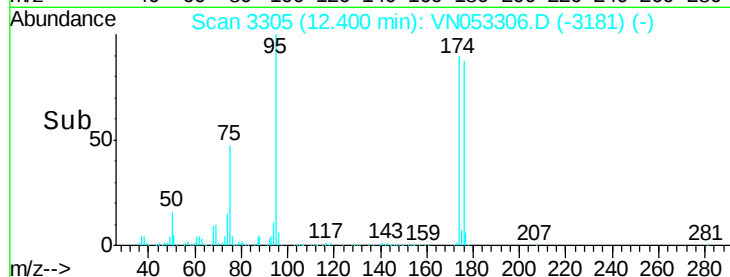


Abundance Ion 74.90 (74.60 to 75.60): VN053288.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN053288.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN053288.D (-3265) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.456 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

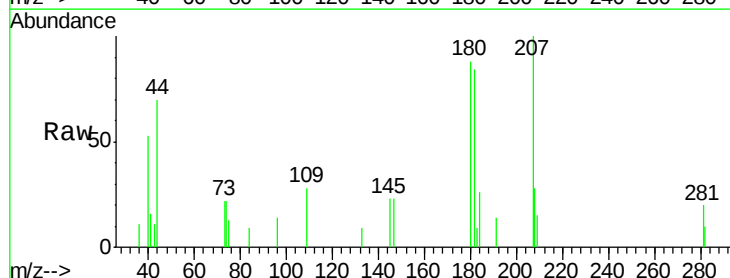
Tgt Ion: 180 Resp: 2950

Ion Ratio Lower Upper

180 100

182 92.7 47.8 143.4

145 23.6 14.4 43.0

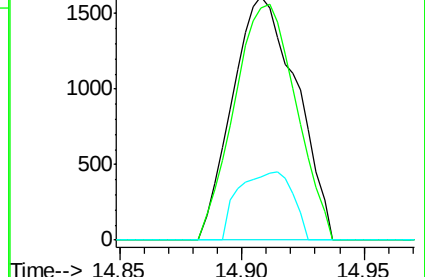
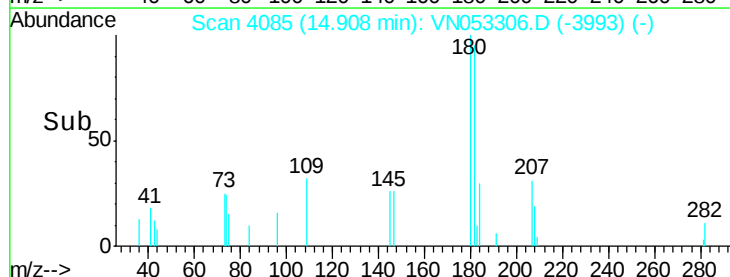


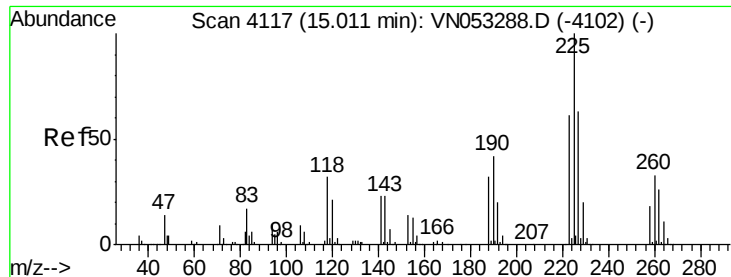
Abundance Ion 179.80 (179.50 to 180.50): VN053288.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053288.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053288.D (-4071) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.414 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VN0108WBL01

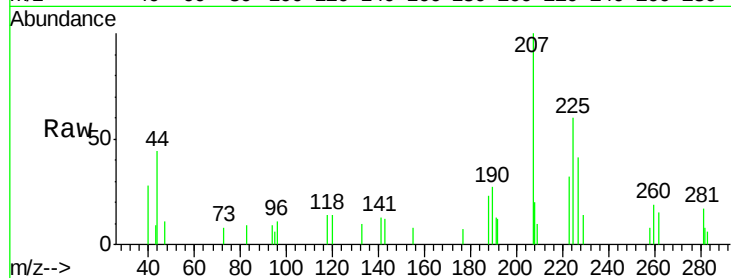
Tot Ion:225 Resp: 2190

Ion Ratio Lower Upper

225 100

223 60.0 30.9 92.8

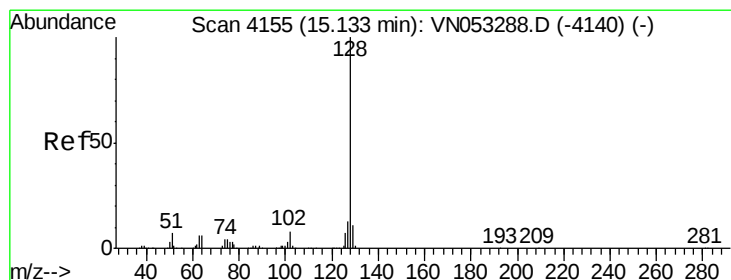
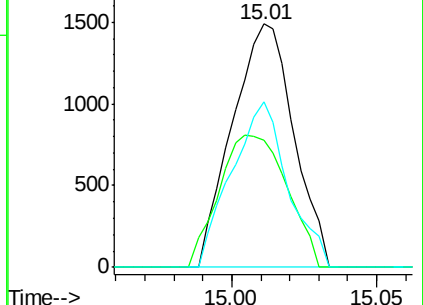
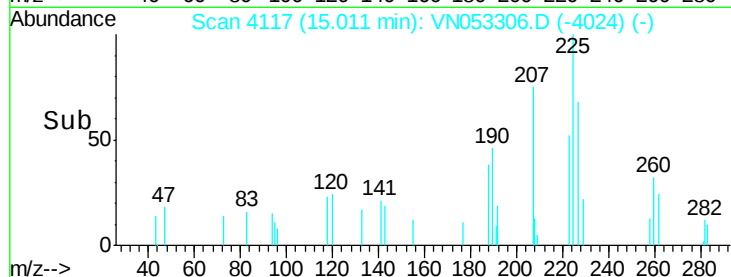
227 62.4 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.722 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053306.D

Acq: 8 Jan 2019 9:44

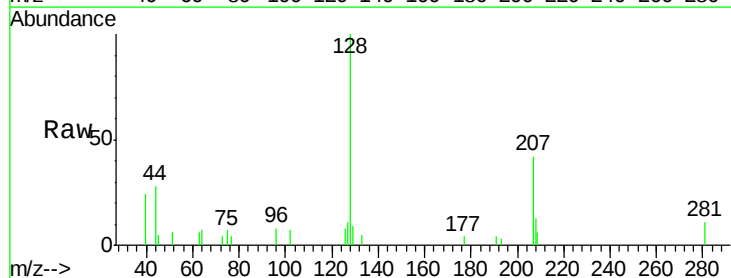
Tgt Ion:128 Resp: 7972

Ion Ratio Lower Upper

128 100

127 10.7 10.4 15.6

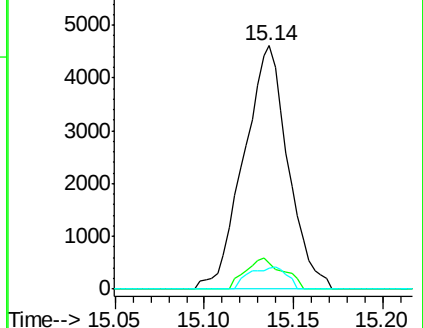
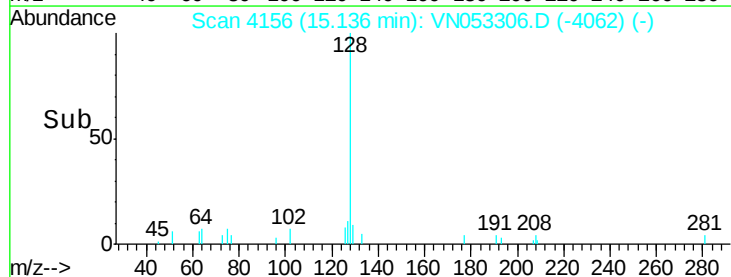
129 7.7 8.7 13.1#

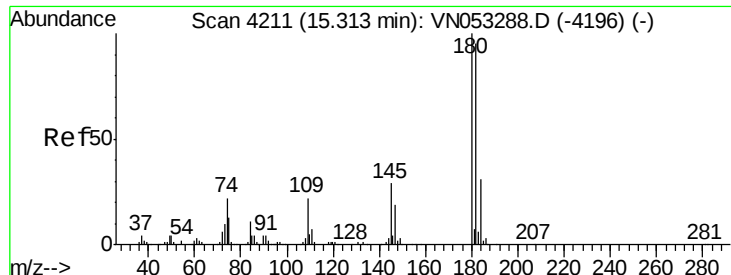


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

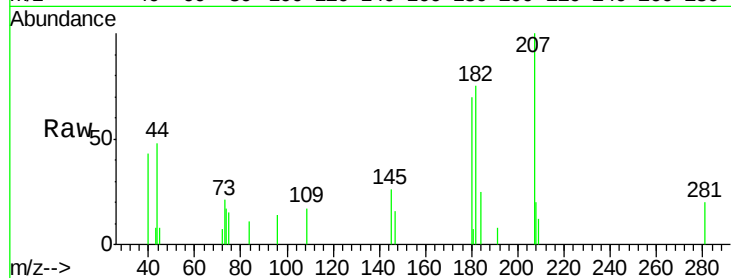




#96
 1,2,3-Trichlorobenzene
 Concen: 0.764 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053306.D
 Acq: 8 Jan 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.1	48.4	145.0
145	31.9	14.9	44.5



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

