

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053747.D
 Acq On : 13 Feb 2019 11:30
 Operator : JC/SP
 Sample : VN0213WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01

Quant Time: Feb 14 00:07:19 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	7.67	168	627348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1072596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	983882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	384492	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	345624	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	7.59	113	345669	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	10.09	98	1299116	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	418824	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	

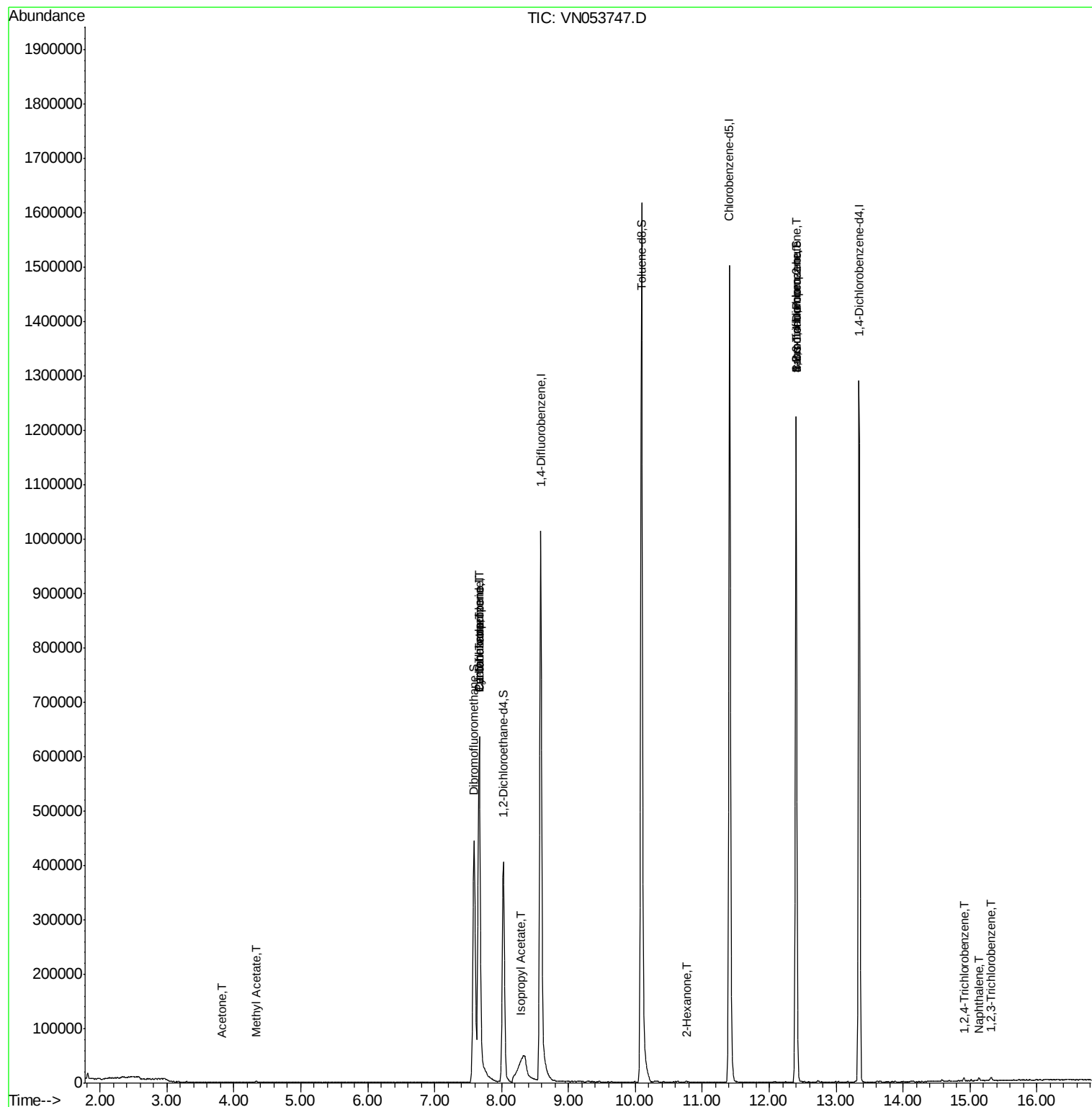
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1110	0.688	ug/l	99
18) Methyl Acetate	4.33	43	1031	0.216	ug/l #	54
31) Cyclohexane	7.67	56	8990	0.678	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38896	4.023	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52133	5.352	ug/l #	16
43) Isopropyl Acetate	8.28	43	53930	5.171	ug/l #	52
59) 2-Hexanone	10.77	43	1583	0.455	ug/l #	47
71) Bromoform	12.40	173	3164	0.632	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	193775	39.237	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	193775	110.332	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2468	0.343	ug/l	91
95) Naphthalene	15.13	128	5511	2.051	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	2966	0.445	ug/l	97

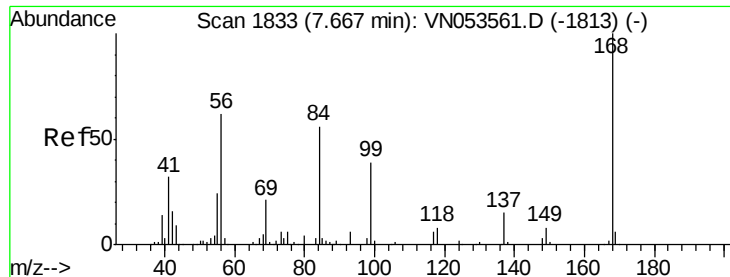
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053747.D

Acq: 13 Feb 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

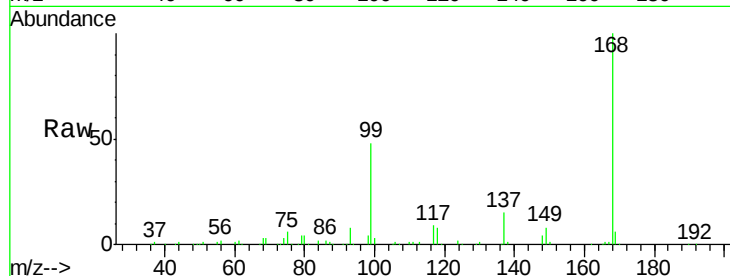
VN0213WBL01

Tot Ion:168 Resp: 627348

Ion Ratio Lower Upper

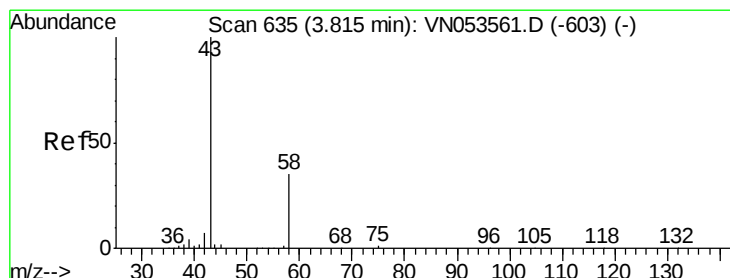
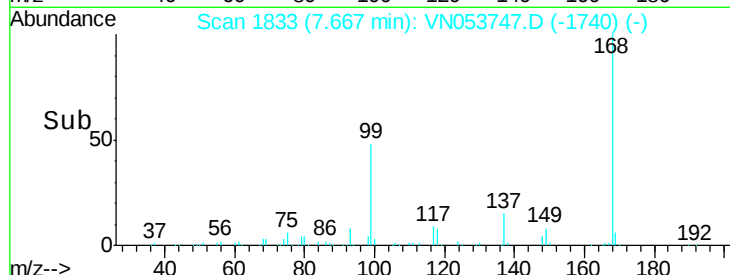
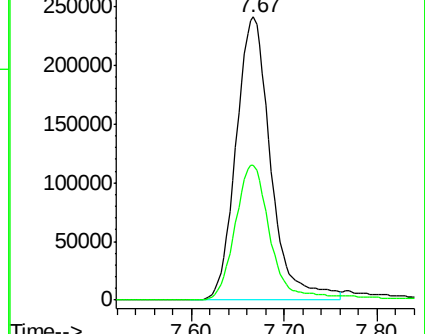
168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 0.688 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN053747.D

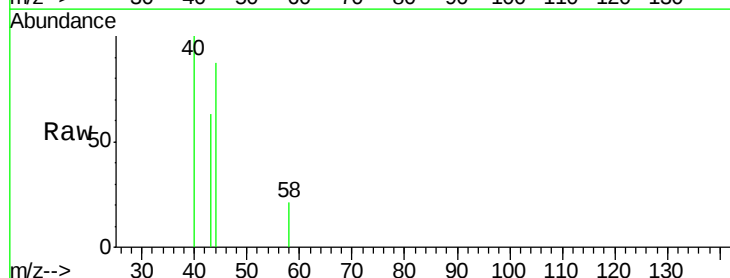
Acq: 13 Feb 2019 11:30

Tgt Ion: 43 Resp: 1110

Ion Ratio Lower Upper

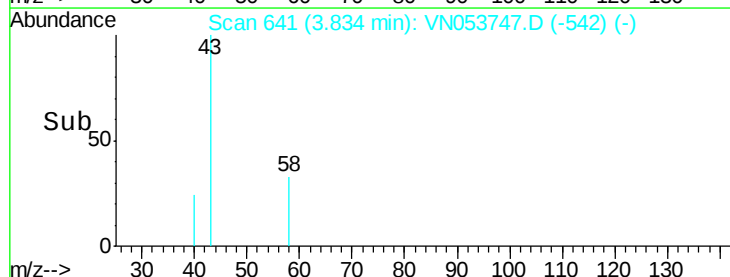
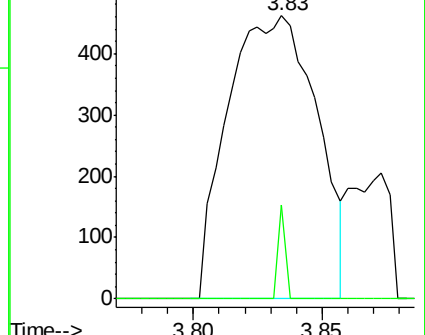
43 100

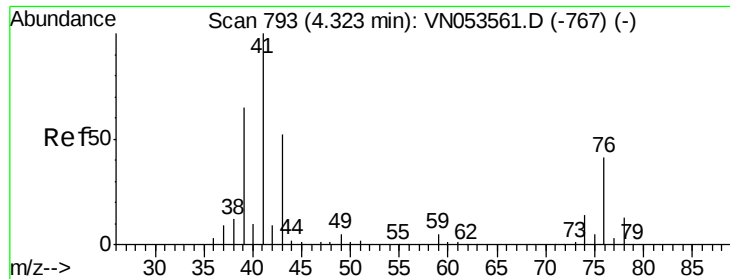
58 33.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

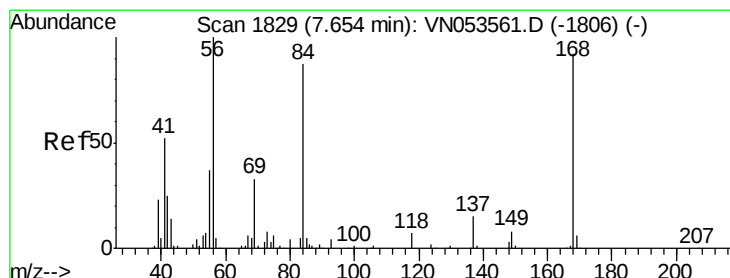
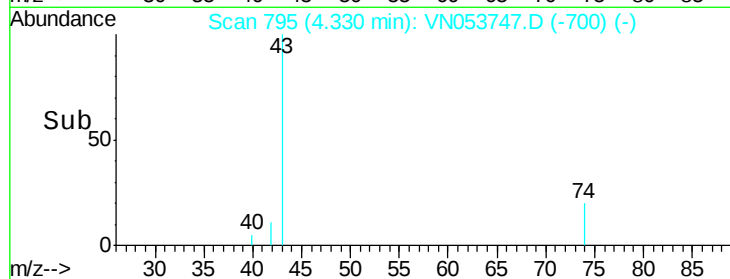
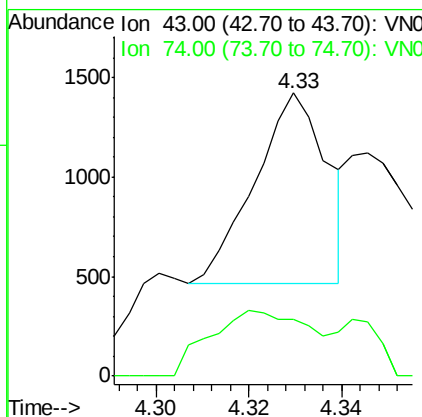
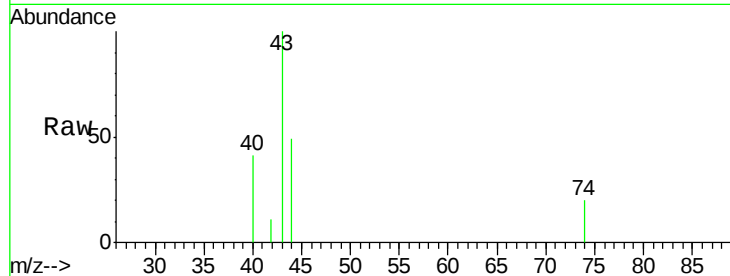




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053747.D
Acq: 13 Feb 2019 11:30

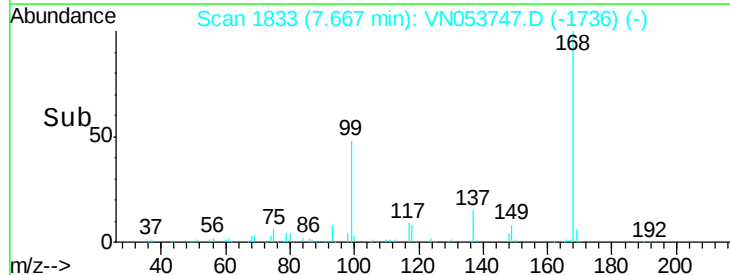
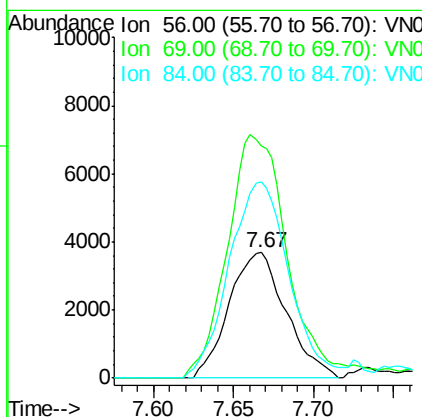
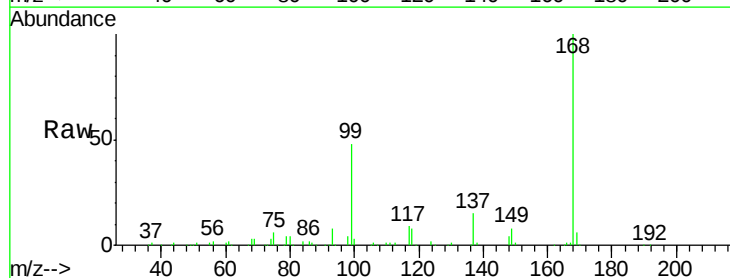
Instrument :
MSVOA_N
ClientSampled :
VN0213WBL01

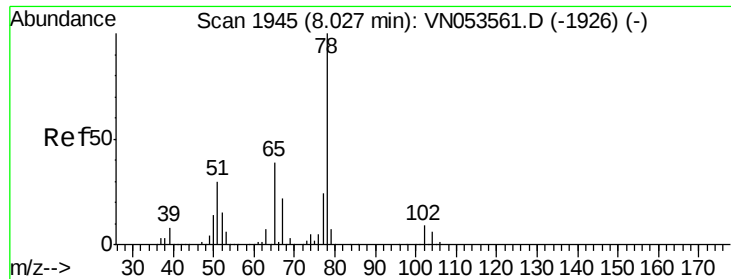
Tot Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
74 47.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.678 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053747.D
Acq: 13 Feb 2019 11:30

Tgt Ion: 56 Resp: 8990
Ion Ratio Lower Upper
56 100
69 178.1 26.4 39.6#
84 151.8 67.9 101.9#

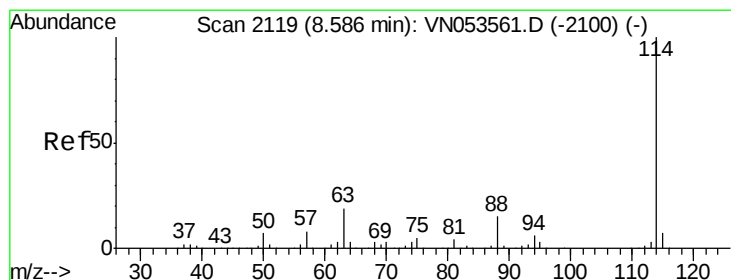
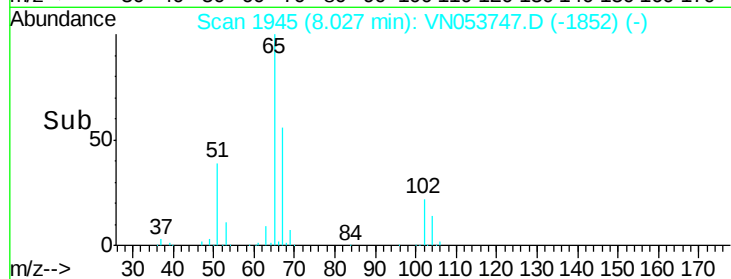
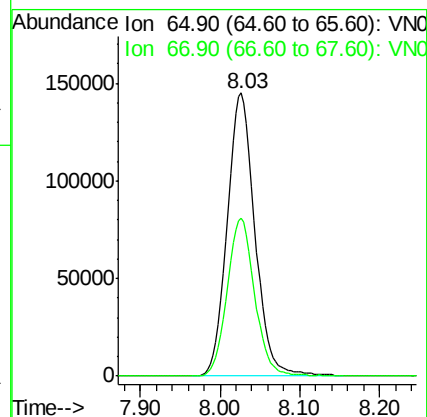
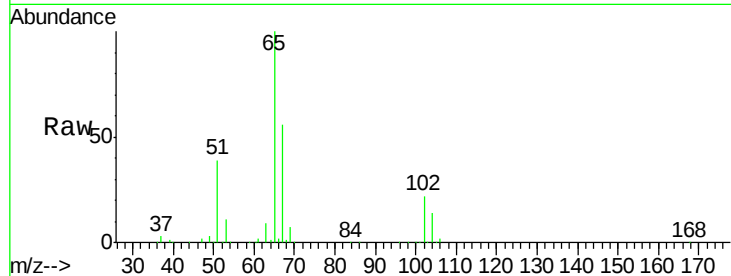




#33
 1,2-Dichloroethane-d4
 Concen: 54.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

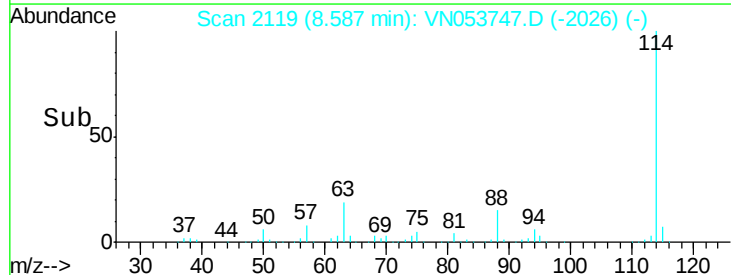
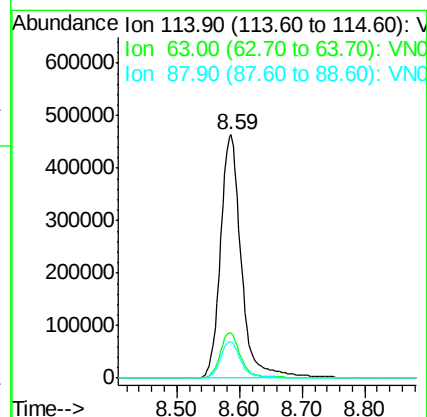
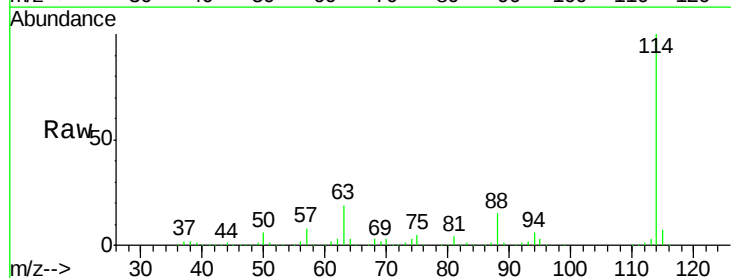
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01

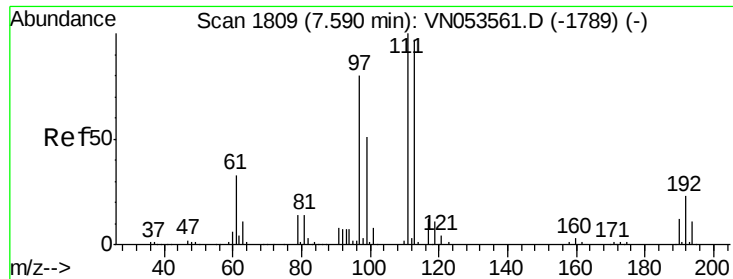
Tot Ion: 65 Resp: 345624
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

Tgt Ion: 114 Resp: 1072596
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.6
 88 14.7 0.0 30.4

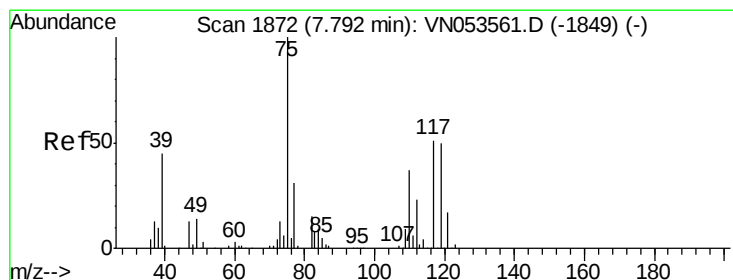
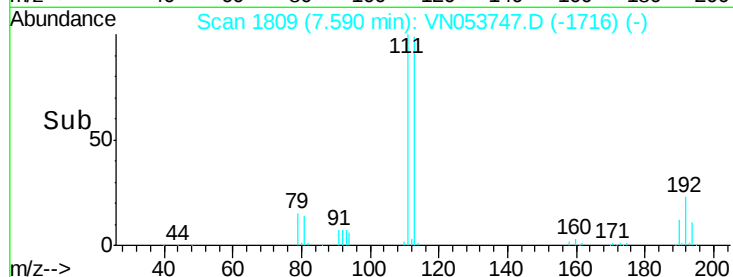
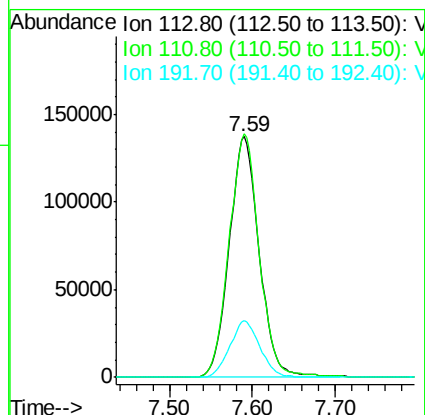
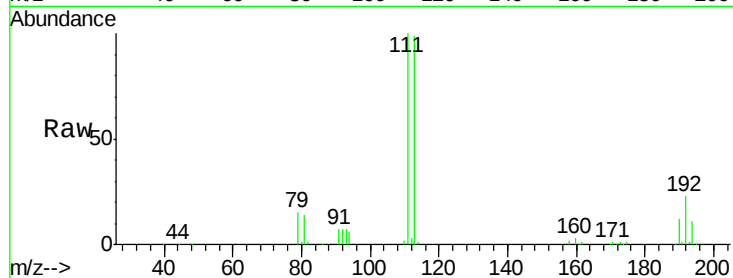




#35
 Dibromofluoromethane
 Concen: 51.003 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

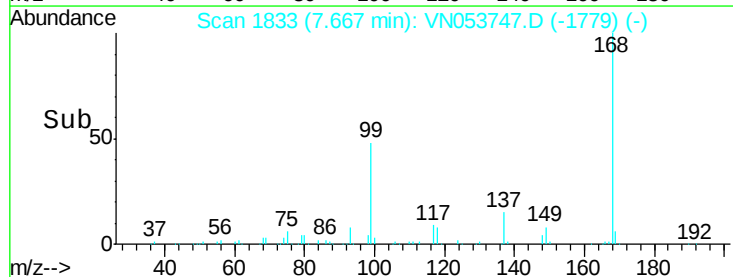
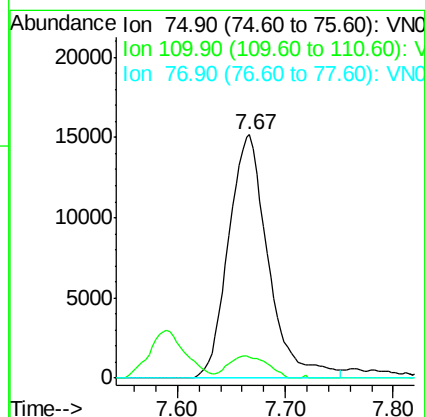
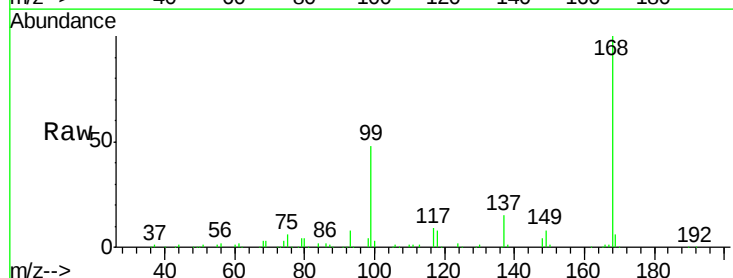
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01

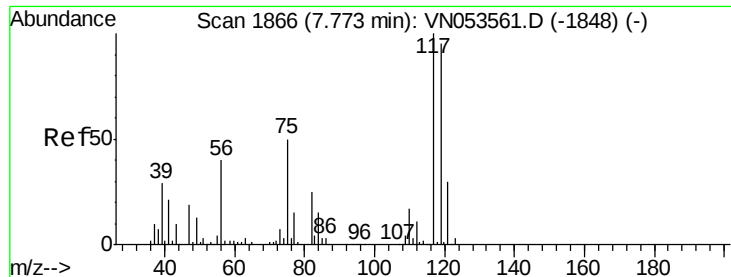
Tot Ion:113 Resp: 345669
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.1 121.7
 192 23.6 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.023 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

Tgt Ion: 75 Resp: 38896
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.352 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053747.D

Acq: 13 Feb 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0213WBL01

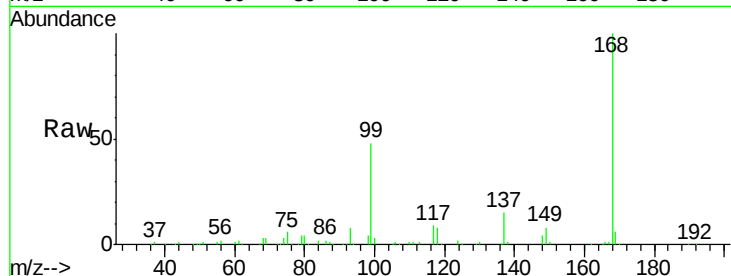
Tot Ion:117 Resp: 52133

Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

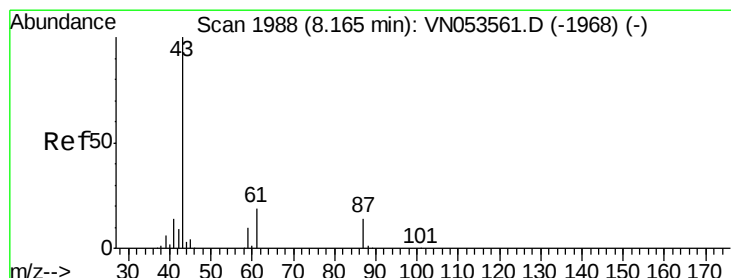
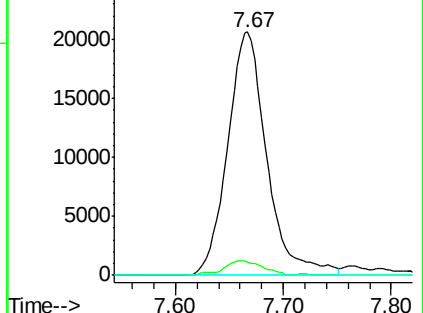
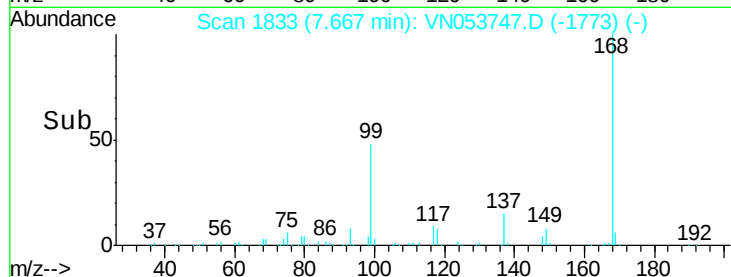
121 0.0 24.6 37.0#



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: 5.171 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN053747.D

Acq: 13 Feb 2019 11:30

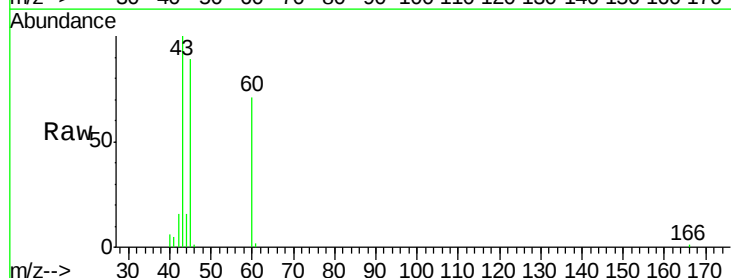
Tgt Ion: 43 Resp: 53930

Ion Ratio Lower Upper

43 100

61 0.5 23.9 35.9#

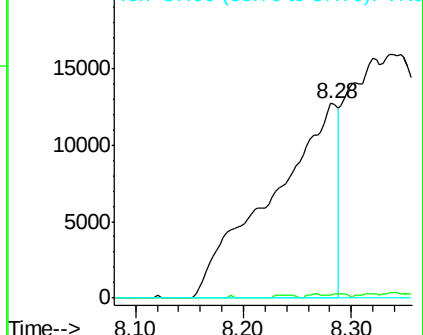
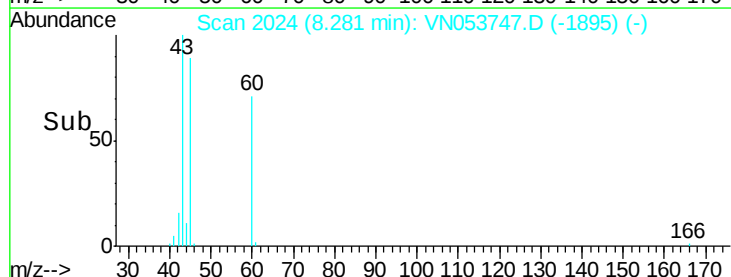
87 0.0 11.0 16.6#

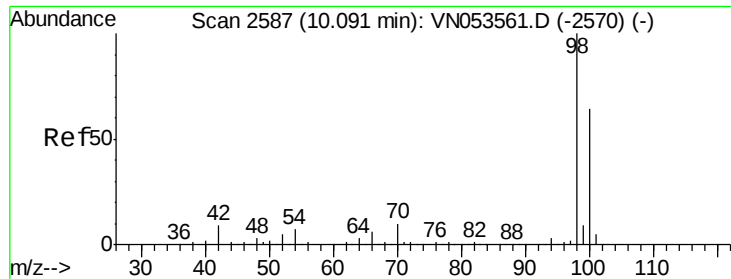


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.050 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053747.D

Acq: 13 Feb 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

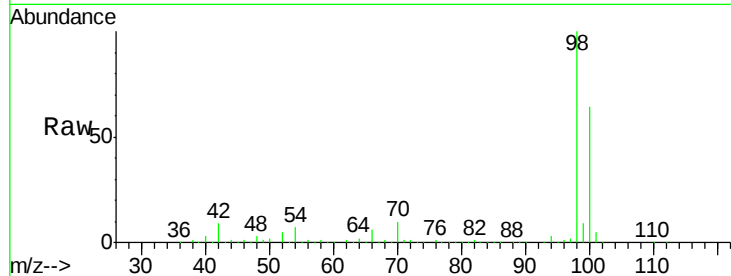
VN0213WBL01

Tot Ion: 98 Resp: 1299116

Ion Ratio Lower Upper

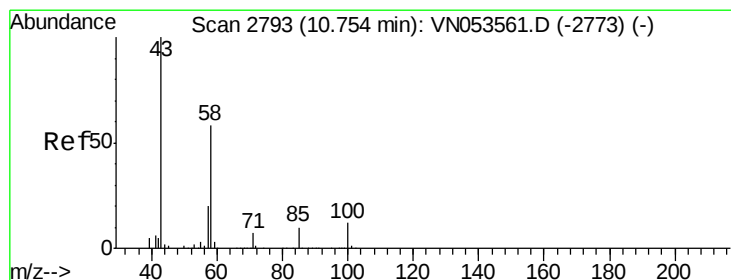
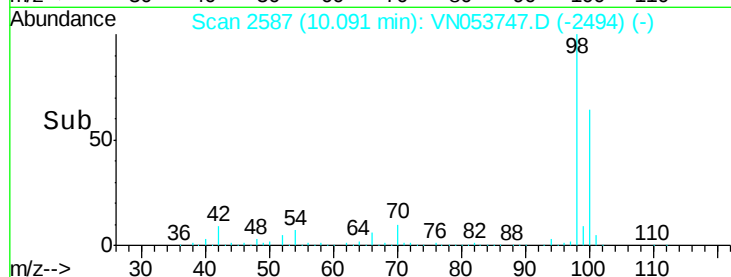
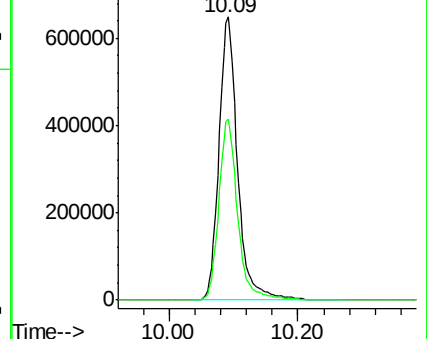
98 100

100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 0.455 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN053747.D

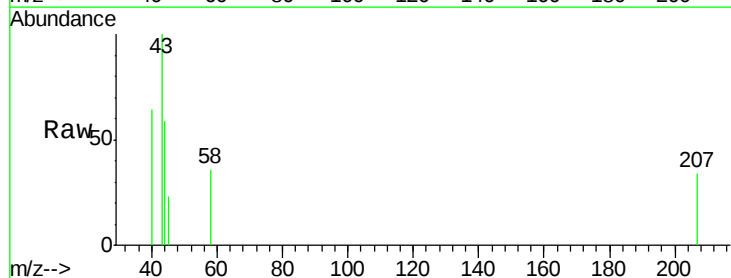
Acq: 13 Feb 2019 11:30

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

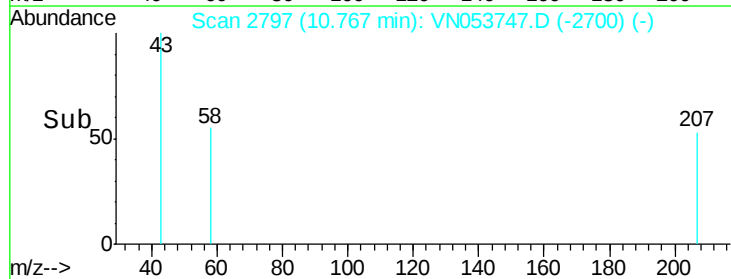
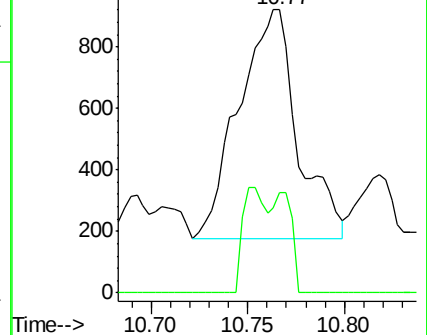
43 100

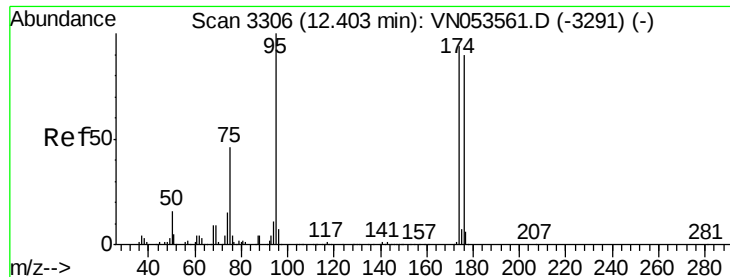
58 18.1 28.6 85.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.347 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053747.D

Acq: 13 Feb 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBL01

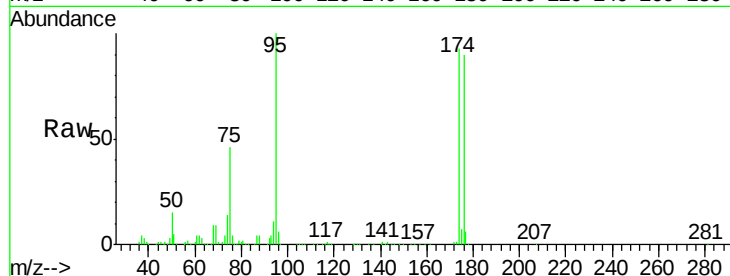
Tot Ion: 95 Resp: 418824

Ion Ratio Lower Upper

95 100

174 95.3 0.0 183.2

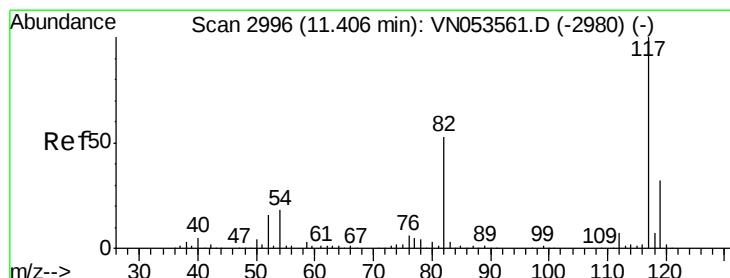
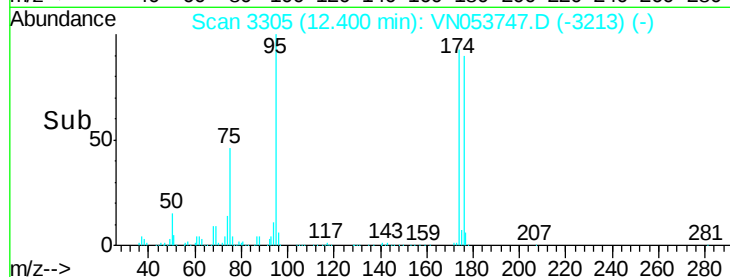
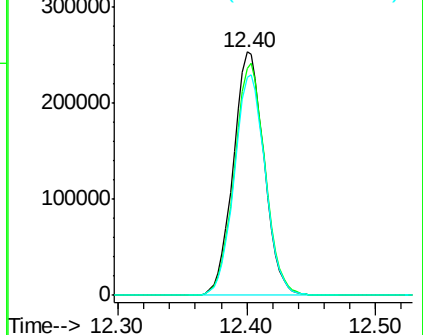
176 91.3 0.0 177.4



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: VN053747.D

Acq: 13 Feb 2019 11:30

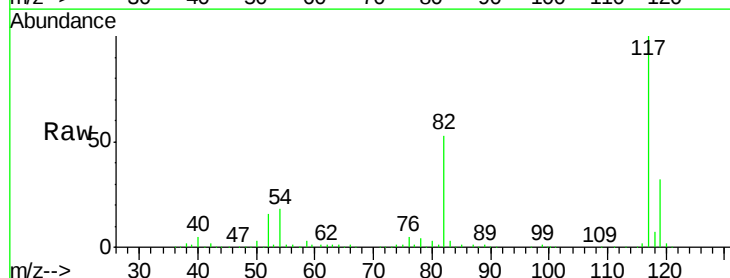
Tgt Ion: 117 Resp: 983882

Ion Ratio Lower Upper

117 100

82 52.9 42.9 64.3

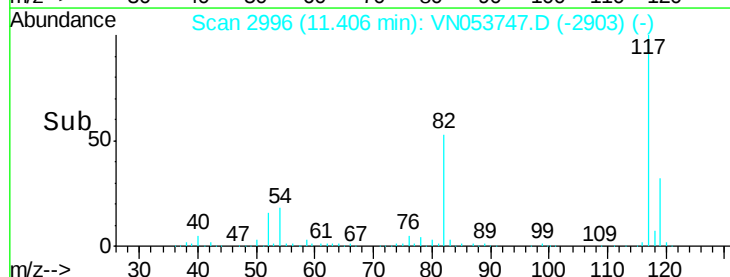
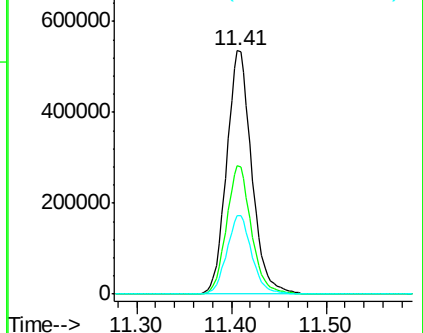
119 32.3 26.0 39.0

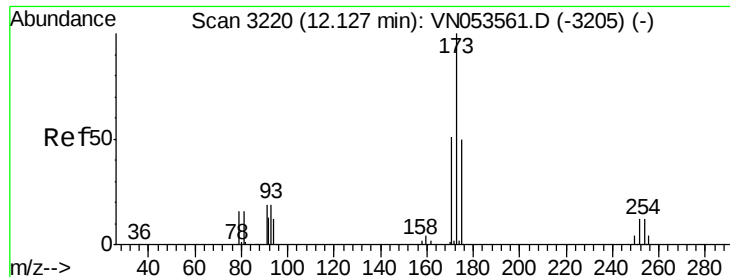


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

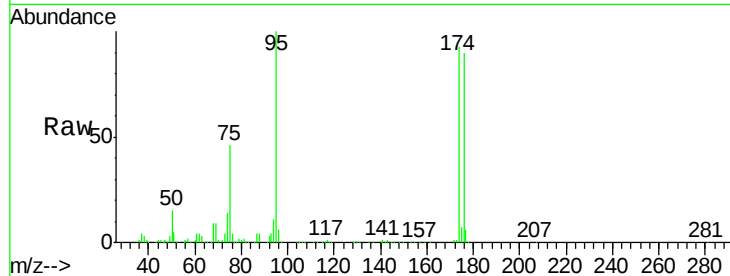




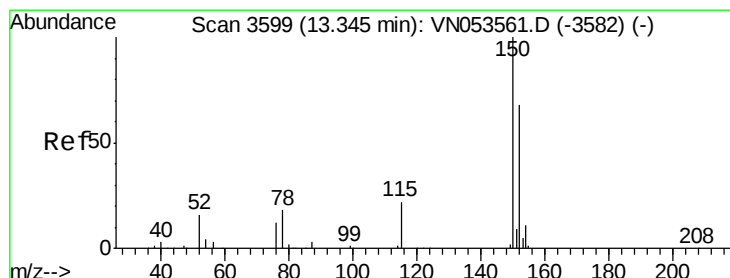
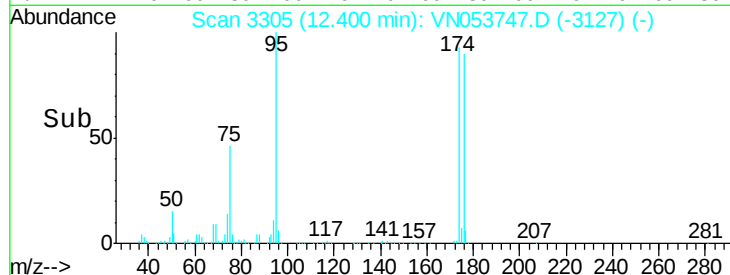
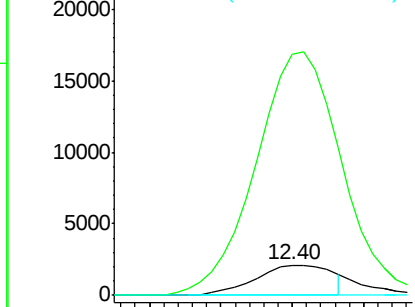
#71
Bromoform
Concen: 0.632 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053747.D
Acq: 13 Feb 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBL01

Tot Ion:173 Resp: 3164
Ion Ratio Lower Upper
173 100
175 782.9 24.6 74.0#
254 0.0 0.2 0.2#

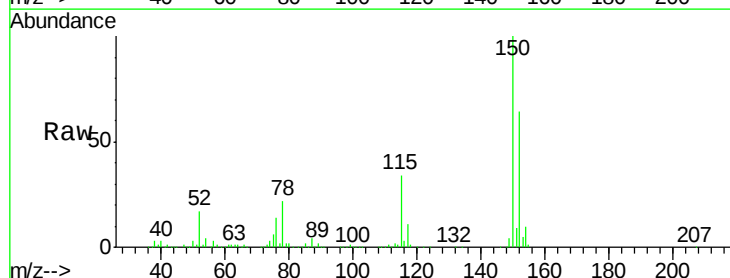


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

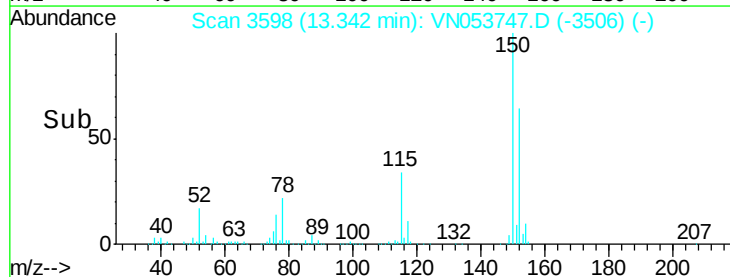
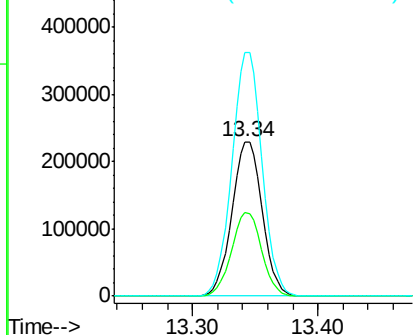


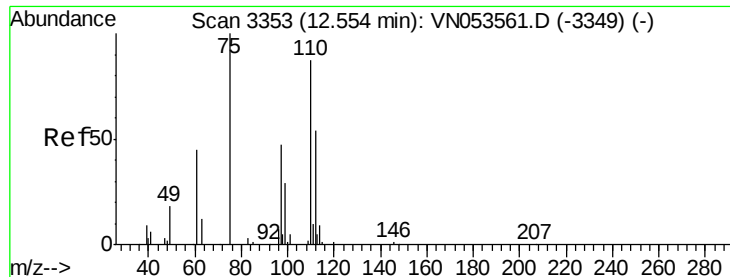
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053747.D
Acq: 13 Feb 2019 11:30

Tgt Ion:152 Resp: 384492
Ion Ratio Lower Upper
152 100
115 53.8 27.8 83.4
150 156.6 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: 39.237 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053747.D

Acq: 13 Feb 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

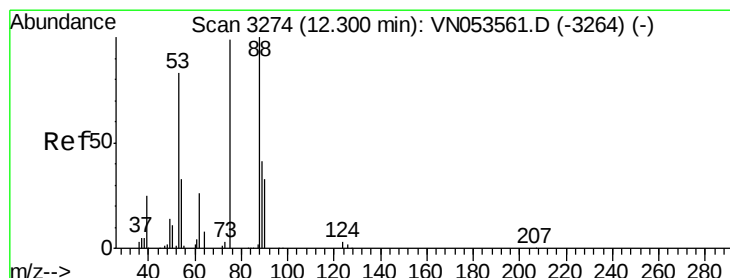
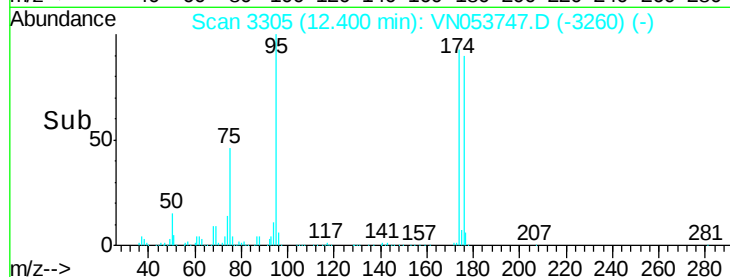
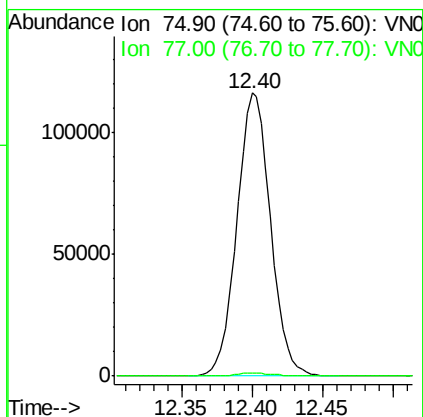
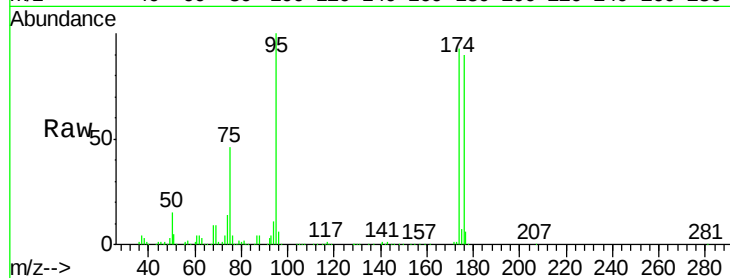
VN0213WBL01

Tot Ion: 75 Resp: 193775

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.332 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053747.D

Acq: 13 Feb 2019 11:30

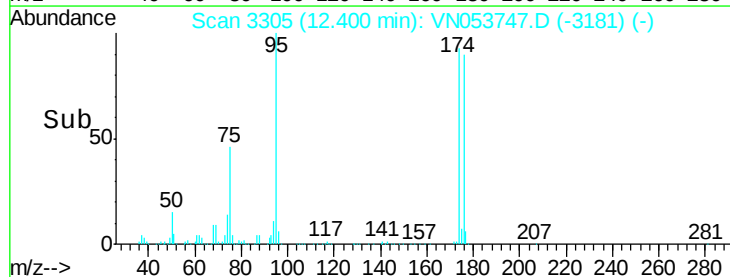
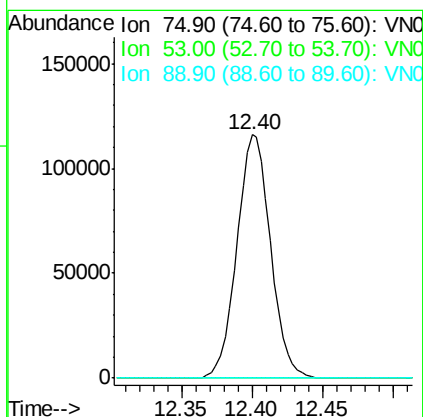
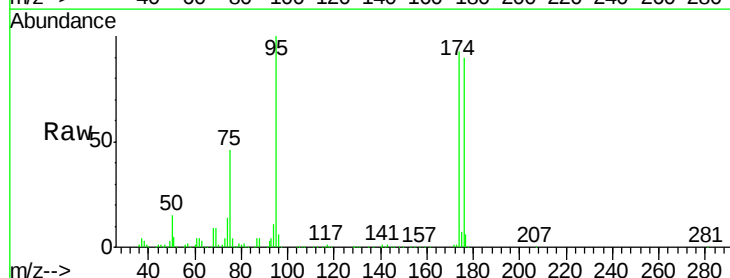
Tgt Ion: 75 Resp: 193775

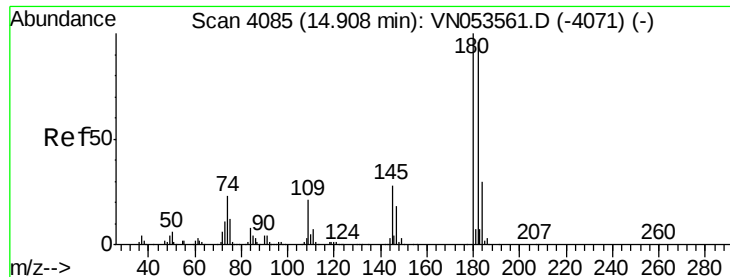
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

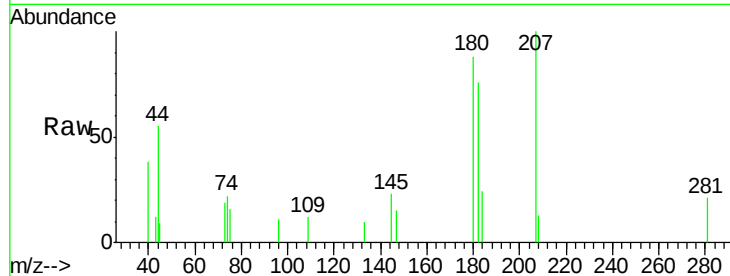




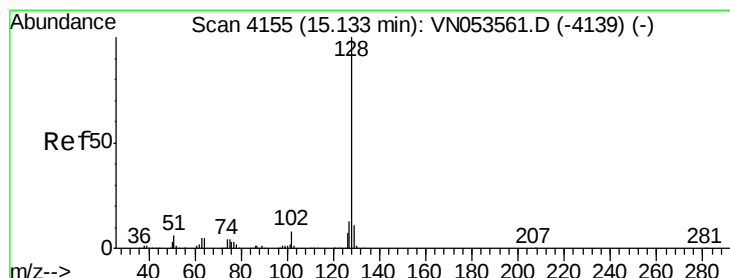
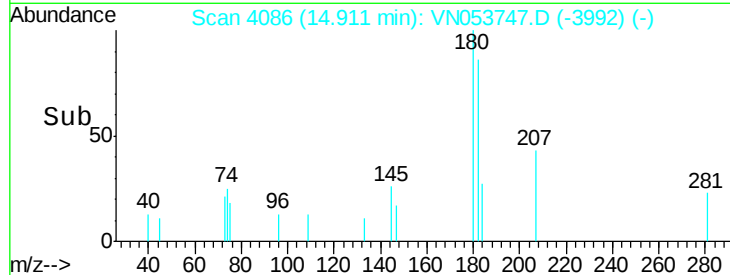
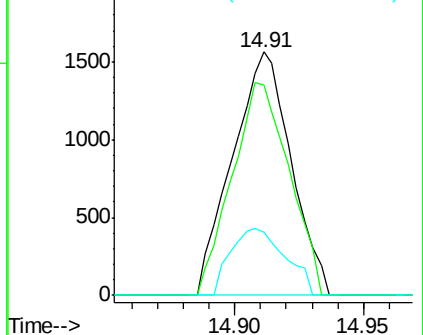
#93
 1,2,4-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01

Tot Ion:180 Resp: 2468
 Ion Ratio Lower Upper
 180 100
 182 85.8 48.1 144.3
 145 25.8 13.9 41.6

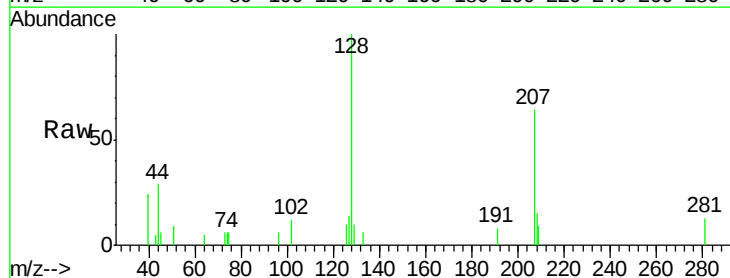


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

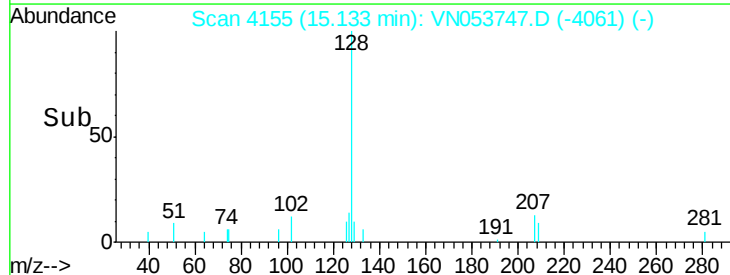
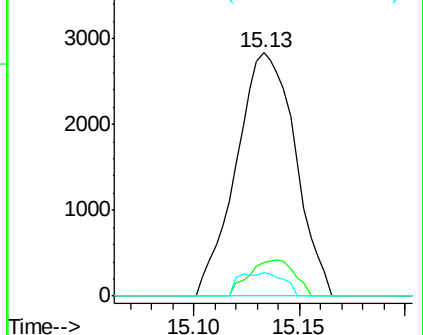


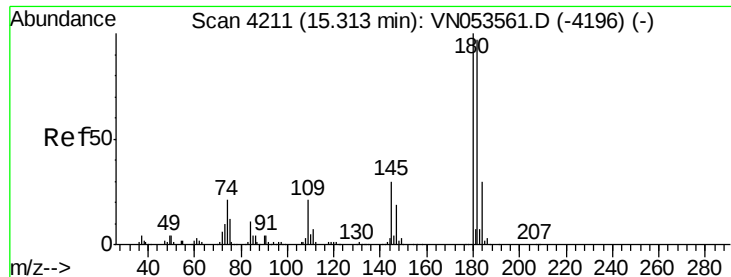
#95
 Naphthalene
 Concen: 2.051 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

Tgt Ion:128 Resp: 5511
 Ion Ratio Lower Upper
 128 100
 127 11.4 10.3 15.5
 129 7.2 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

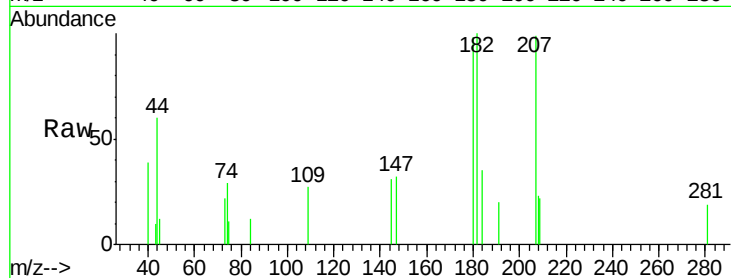




#96
 1,2,3-Trichlorobenzene
 Concen: 0.445 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053747.D
 Acq: 13 Feb 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	27.5	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

