

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055211.D
 Acq On : 23 Apr 2019 17:20
 Operator : JC/SP
 Sample : K2201-09
 Misc : 5.60g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-041819-E

Quant Time: Apr 24 02:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	327246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	558762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197138	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	224194	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.59	113	177278	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	10.09	98	694890	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	235909	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

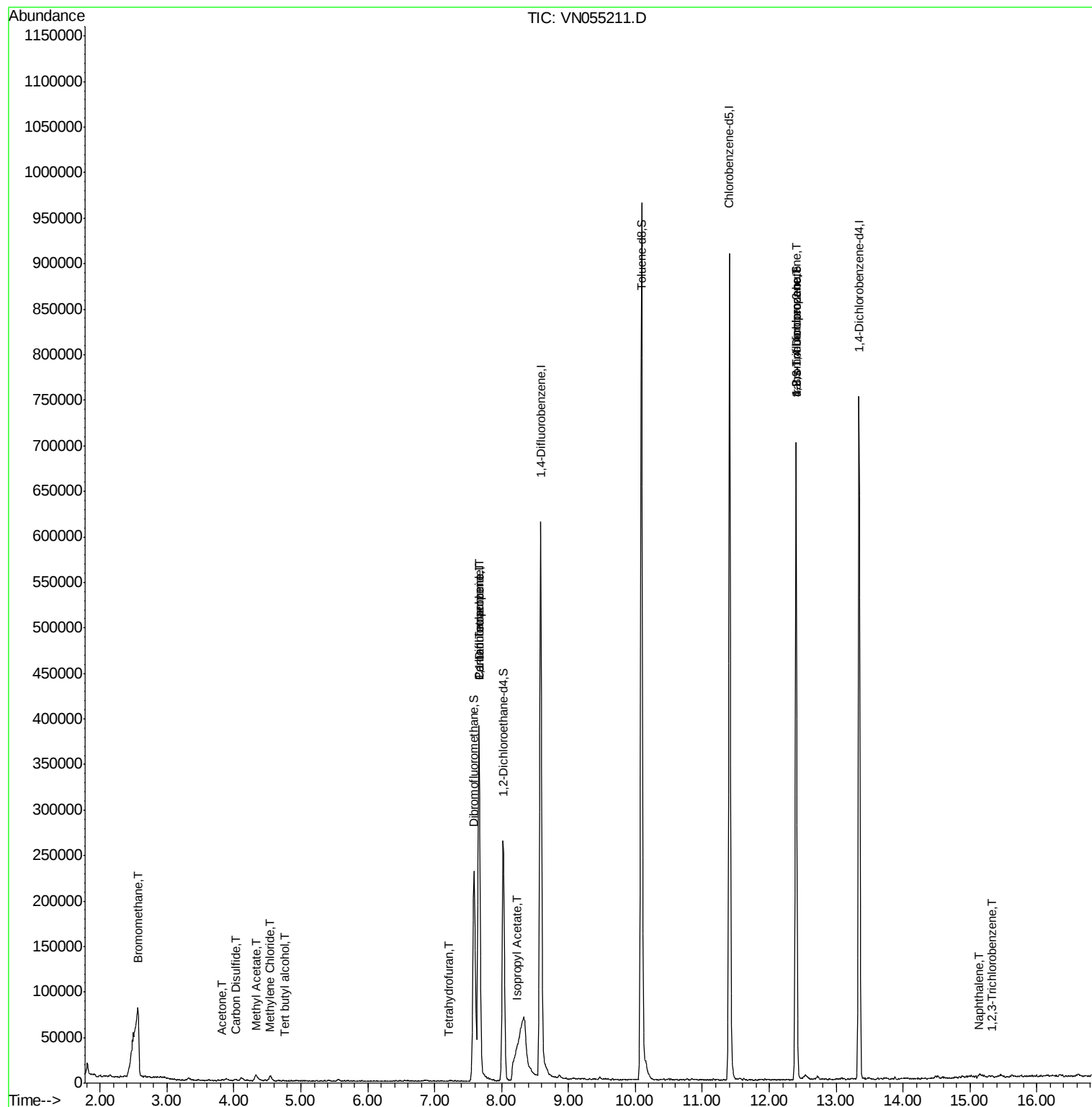
Target Compounds						Qvalue
5) Bromomethane	2.56	94	491	0.205	ug/l #	44
11) Tert butyl alcohol	4.76	59	95	0.367	ug/l #	71
16) Acetone	3.82	43	560	0.382	ug/l #	45
17) Carbon Disulfide	4.04	76	3941	0.419	ug/l #	75
18) Methyl Acetate	4.33	43	14705	3.628	ug/l #	89
20) Methylene Chloride	4.53	84	1285	0.305	ug/l #	74
29) Tetrahydrofuran	7.21	42	302	0.260	ug/l #	39
31) Cyclohexane	7.66	56	6927	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	25004	4.821	ug/l #	49
38) Carbon Tetrachloride	7.66	117	30007	6.179	ug/l #	17
43) Isopropyl Acetate	8.23	43	44833	6.615	ug/l #	57
73) Isopropylbenzene	12.25	105	476	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.76	83	59	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	118340	29.589	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	118340	112.168	ug/l #	5
95) Naphthalene	15.14	128	2236	3.719	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.32	180	31	2.134	ug/l #	13

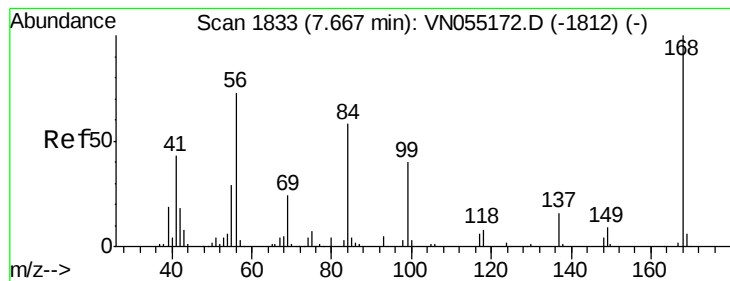
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055211.D

Acq: 23 Apr 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

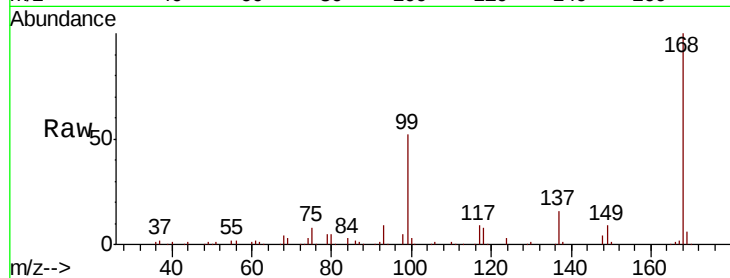
PL-01-041819-E

Tgt Ion:168 Resp: 327246

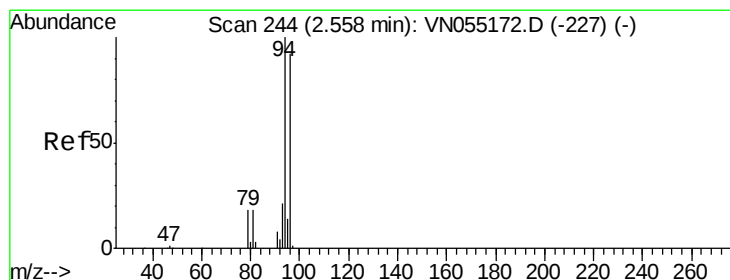
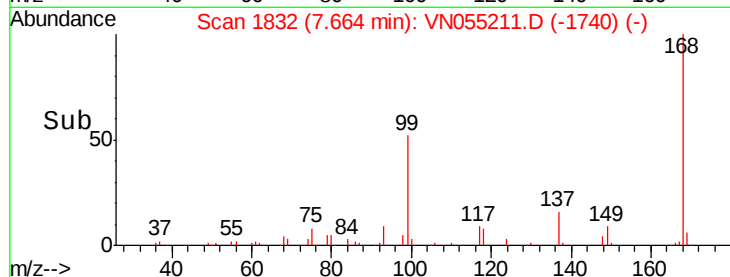
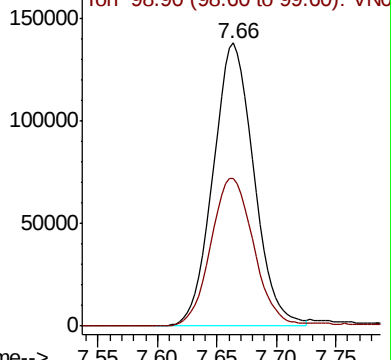
Ion Ratio Lower Upper

168 100

99 52.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055211.D (-1740) (-)



#5

Bromomethane

Concen: 0.205 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055211.D

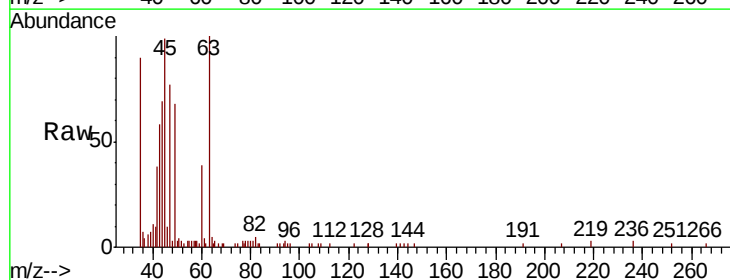
Acq: 23 Apr 2019 17:20

Tgt Ion: 94 Resp: 491

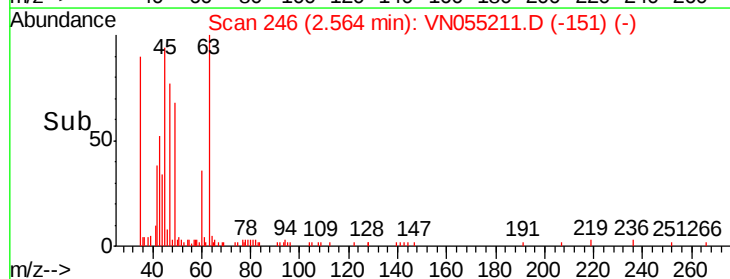
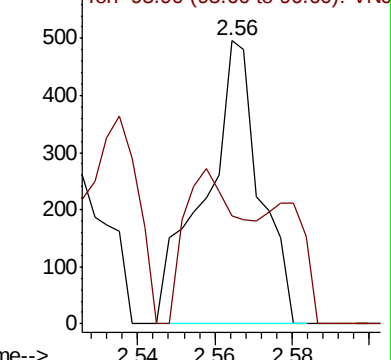
Ion Ratio Lower Upper

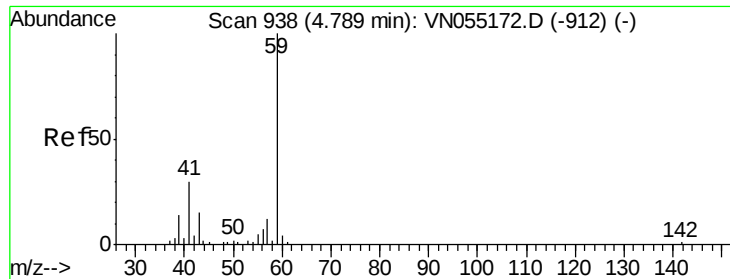
94 100

96 38.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN055211.D (-151) (-)

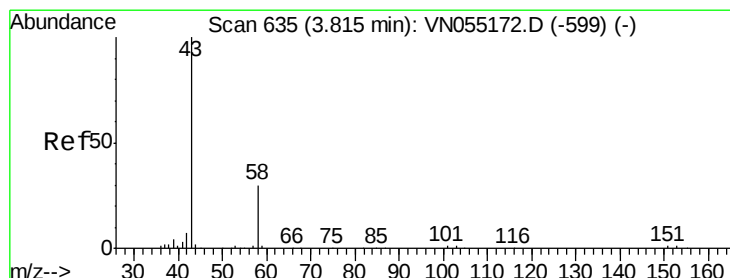
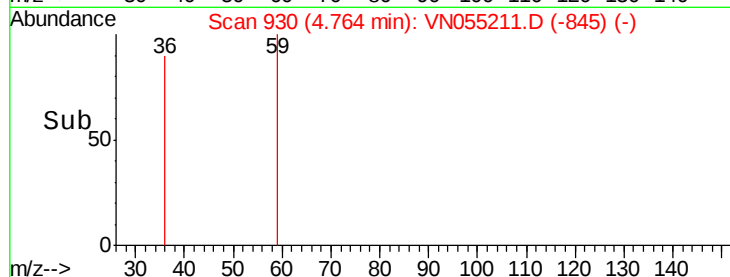
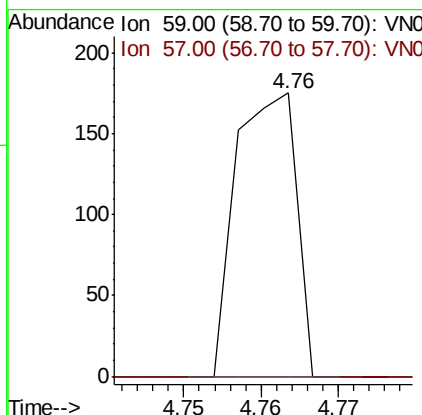
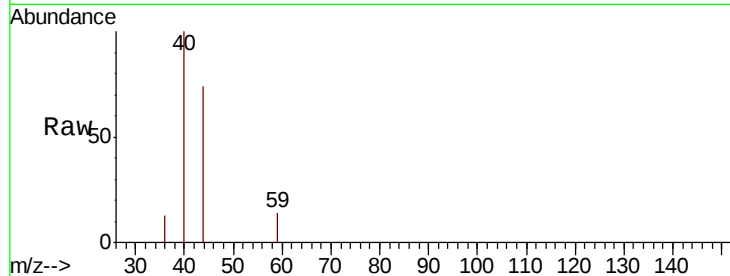




#11
Tert butyl alcohol
Concen: 0.367 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.03 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

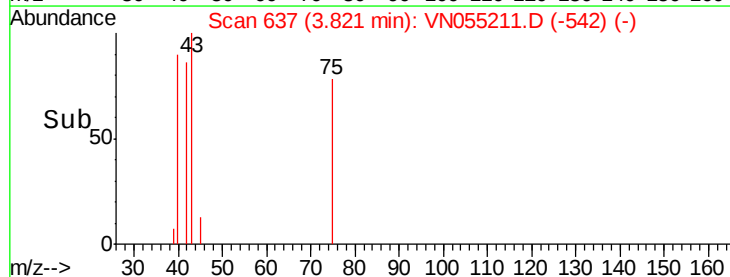
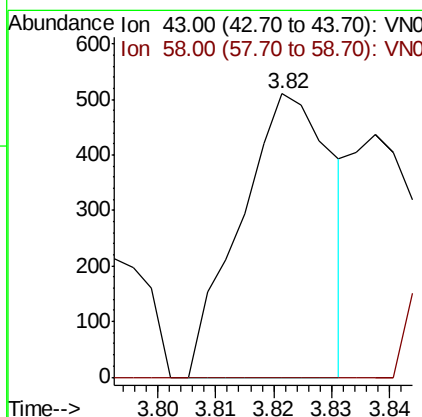
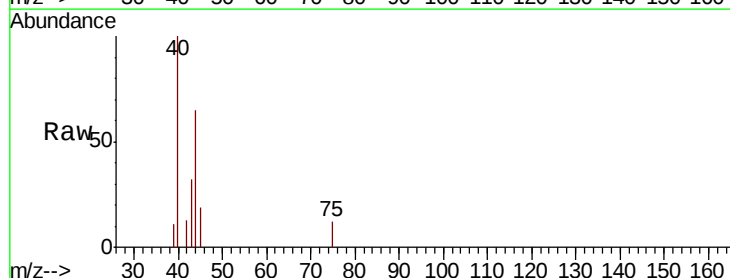
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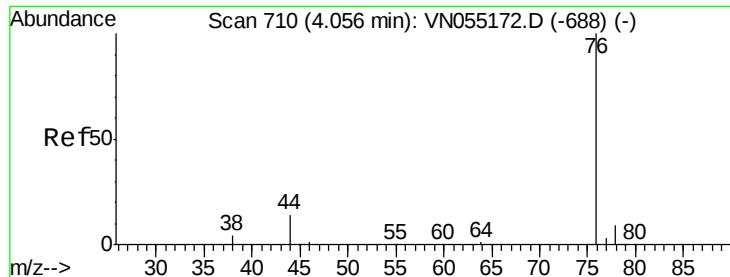
Tgt Ion: 59 Resp: 95
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 0.382 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#

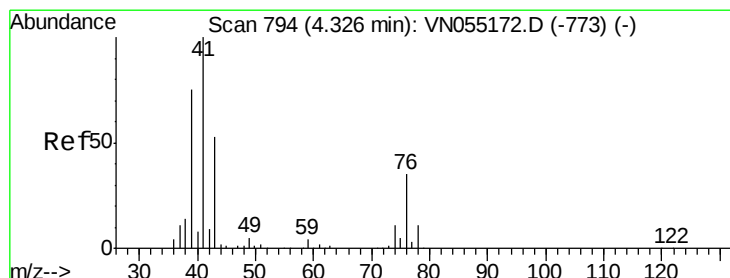
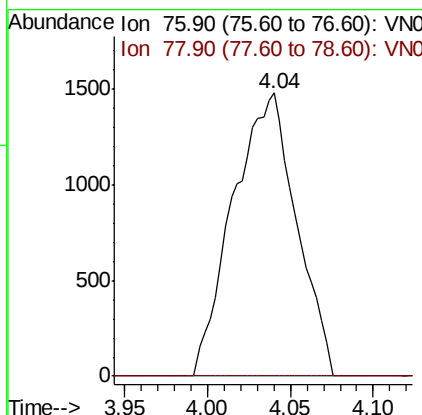
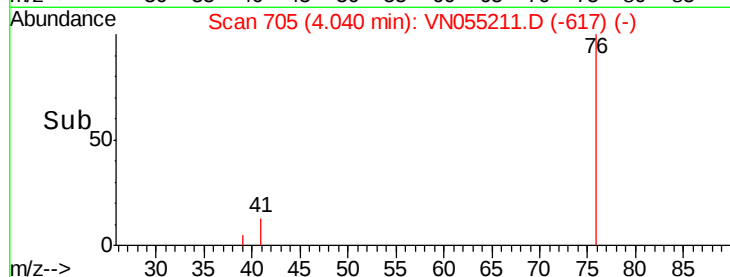
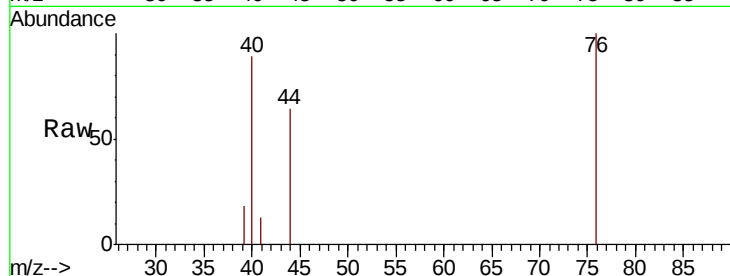




#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.02 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

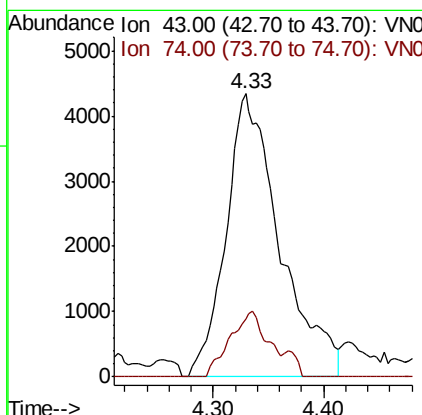
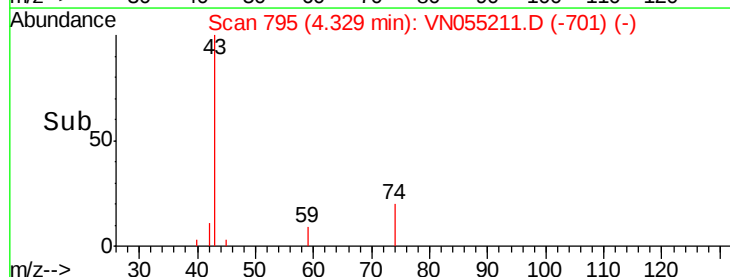
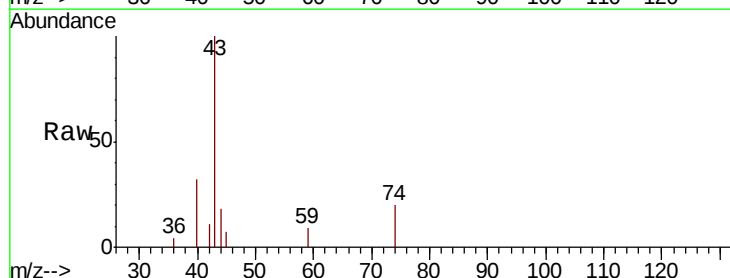
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PL-01-041819-E

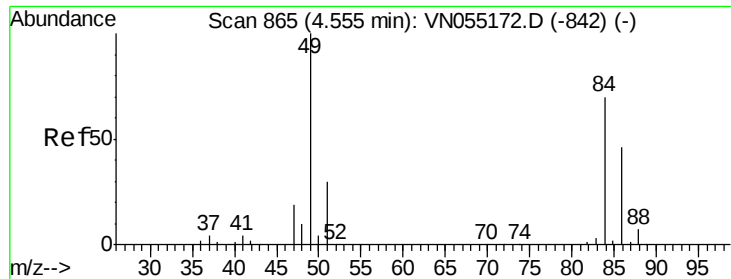
Tgt Ion: 76 Resp: 3941
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 3.628 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

Tgt Ion: 43 Resp: 14705
Ion Ratio Lower Upper
43 100
74 15.9 16.7 25.1#

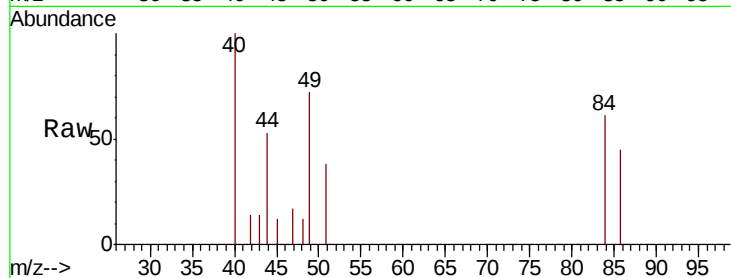




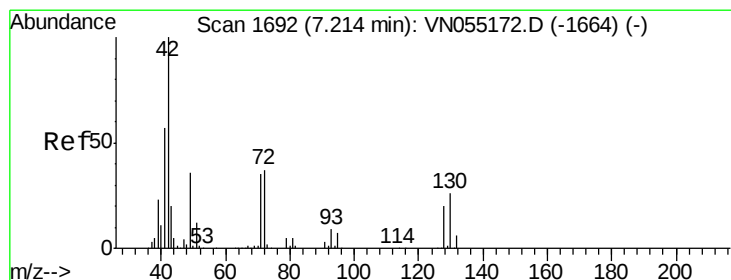
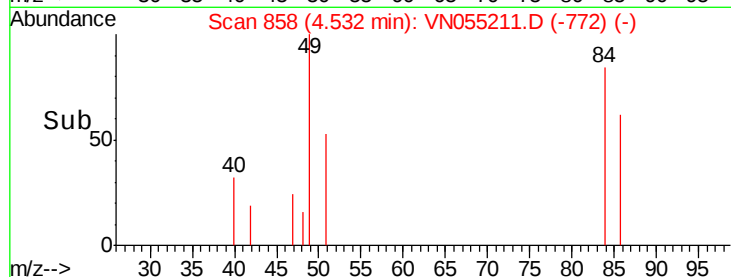
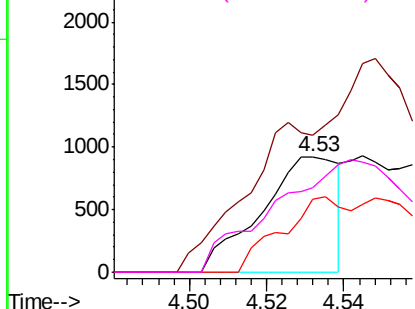
#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.02 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

Instrument :
MSVOA_N
ClientSampleId :
PL-01-041819-E

Tgt Ion: 84 Resp: 1285
Ion Ratio Lower Upper
84 100
49 102.7 113.8 170.6#
51 62.9 34.0 51.0#
86 73.7 52.3 78.5

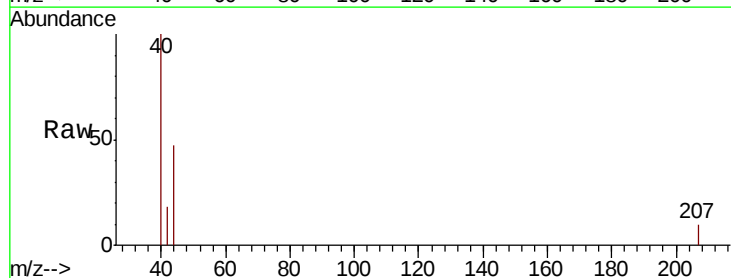


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

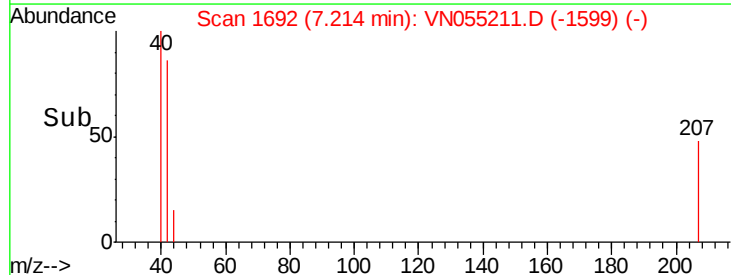
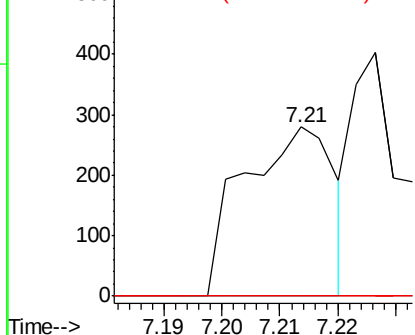


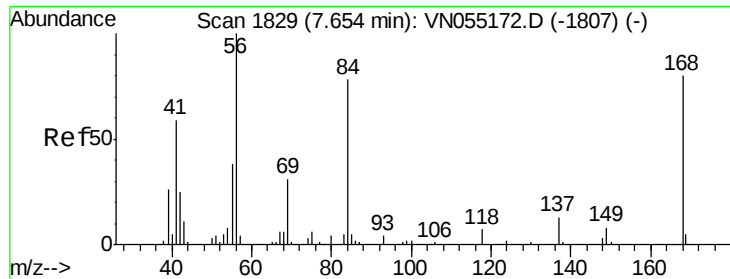
#29
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

Tgt Ion: 42 Resp: 302
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.2#
71 0.0 27.8 41.8#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

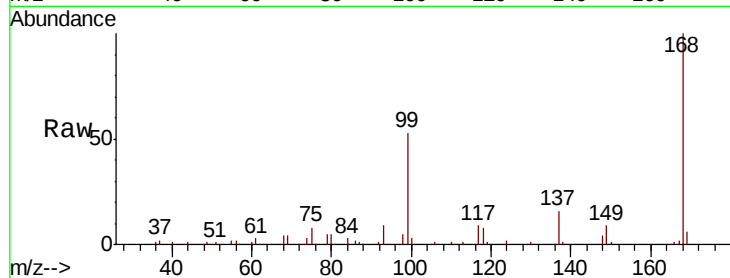




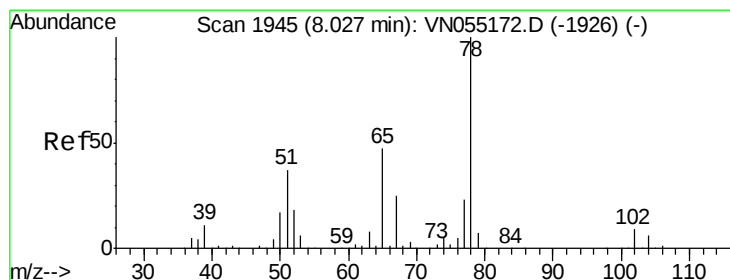
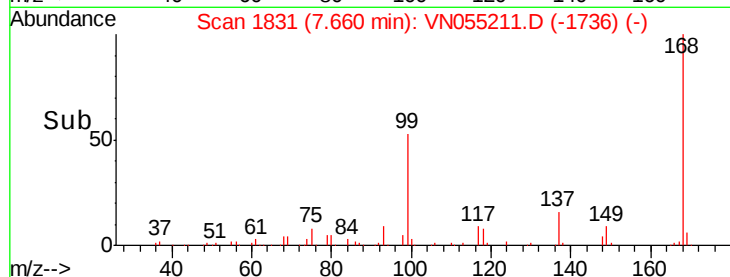
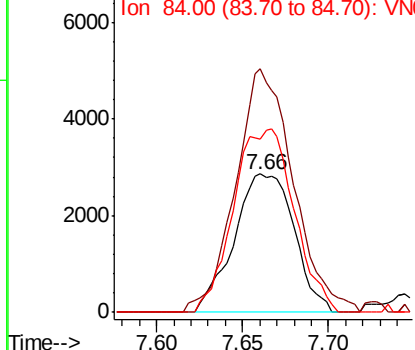
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

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Tgt Ion: 56 Resp: 6927
Ion Ratio Lower Upper
56 100
69 169.5 24.6 37.0#
84 125.6 61.4 92.2#

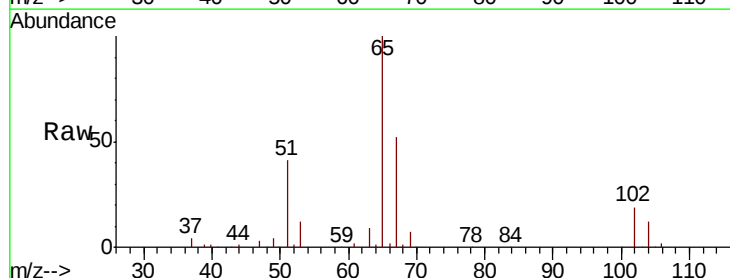


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

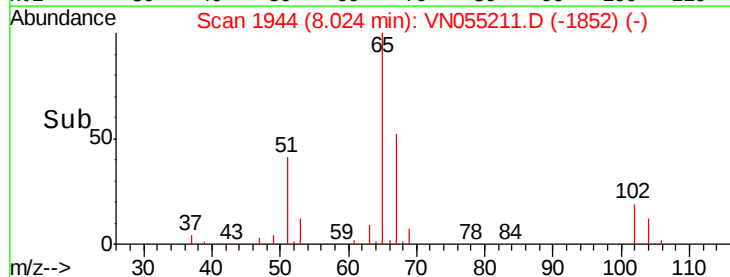
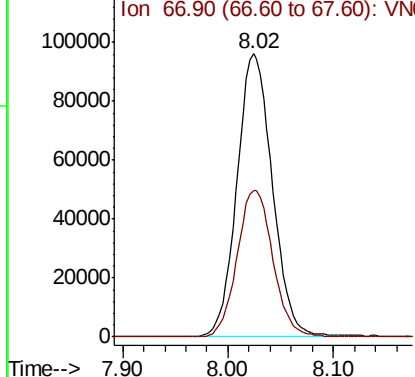


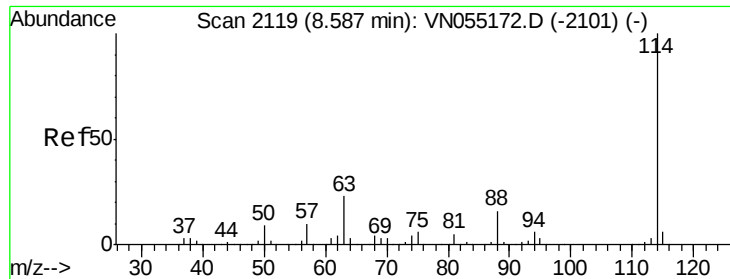
#33
1,2-Dichloroethane-d4
Concen: 50.616 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055211.D
Acq: 23 Apr 2019 17:20

Tgt Ion: 65 Resp: 224194
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

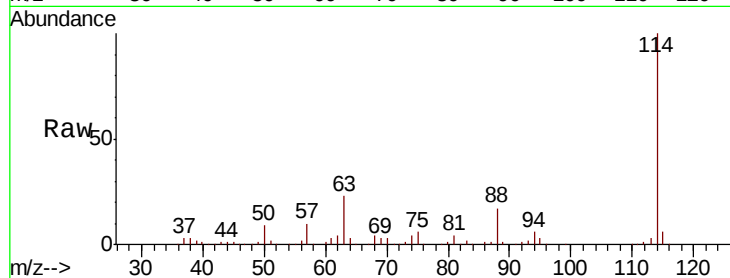




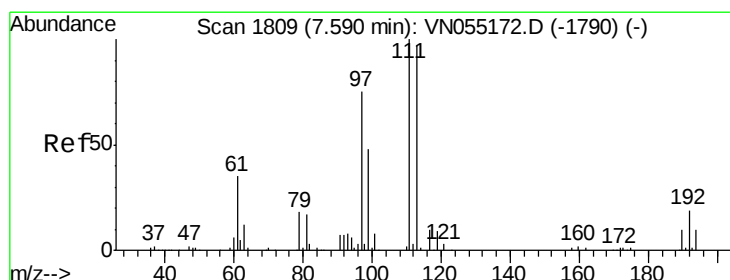
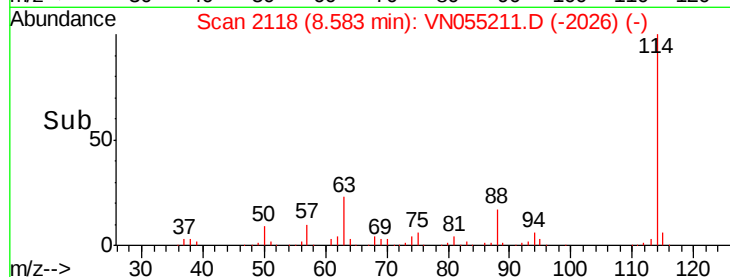
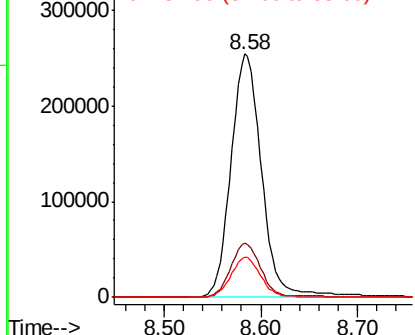
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055211.D
 Acq: 23 Apr 2019 17:20

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Tgt Ion:114 Resp: 558762
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 16.7 0.0 32.8

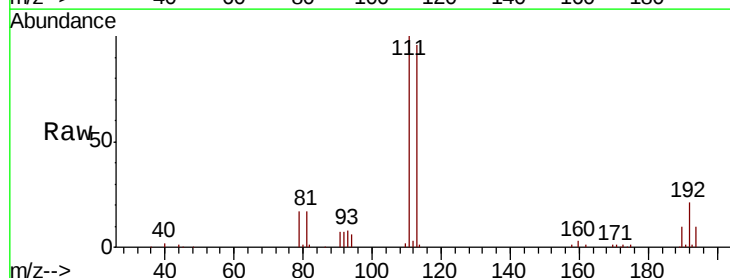


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

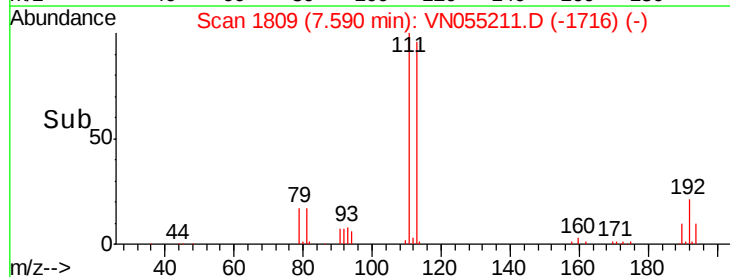
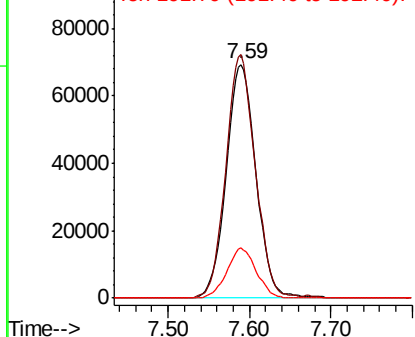


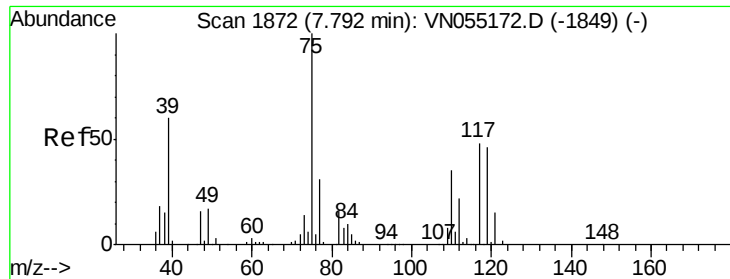
#35
 Dibromofluoromethane
 Concen: 46.702 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055211.D
 Acq: 23 Apr 2019 17:20

Tgt Ion:113 Resp: 177278
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.0 121.4
 192 21.1 16.2 24.4



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

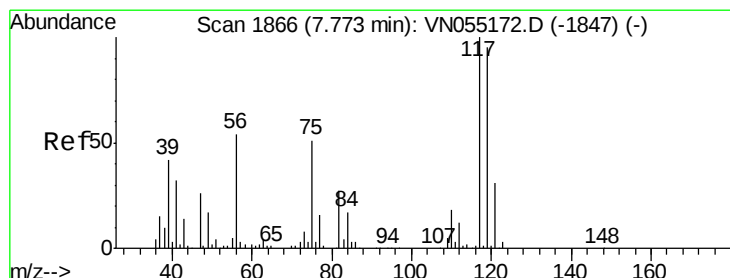
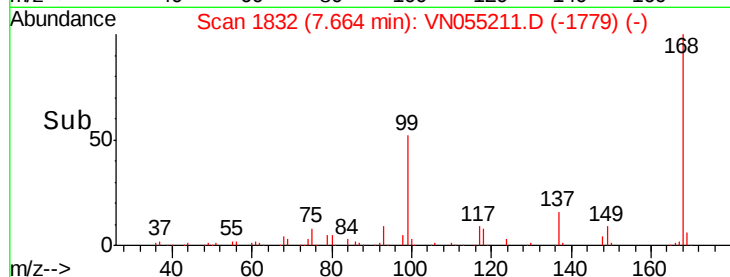
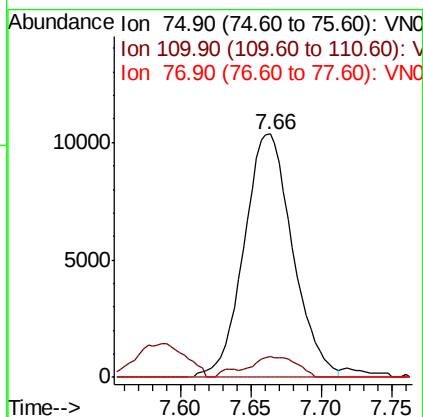
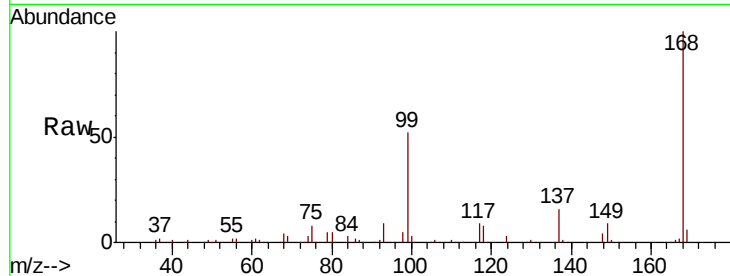




#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055211.D
 Acq: 23 Apr 2019 17:20

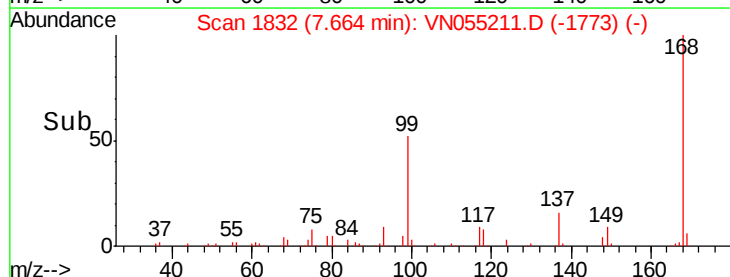
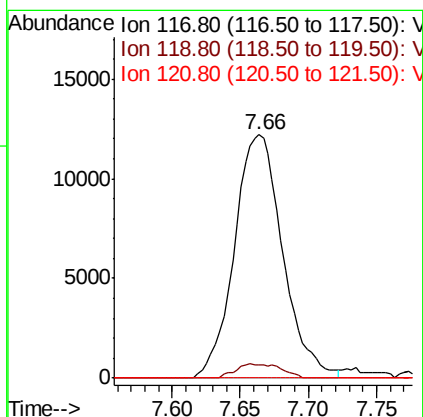
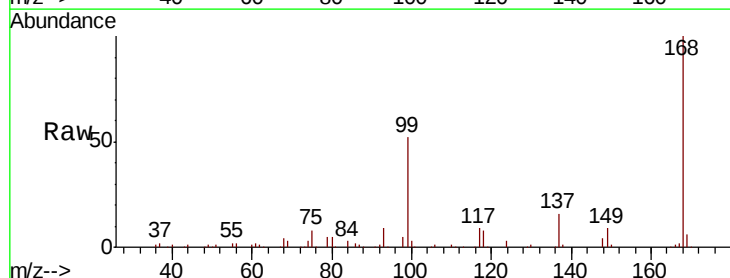
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 ClientSampleId :
 PL-01-041819-E

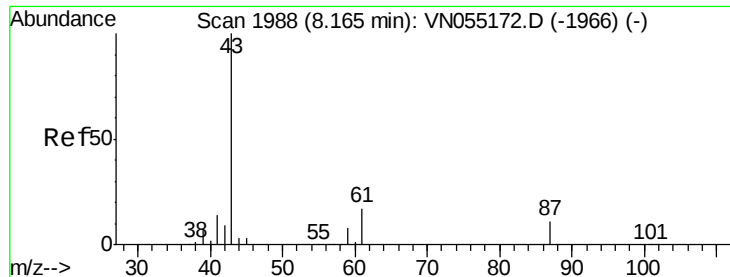
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.1	51.2#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.179 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055211.D
 Acq: 23 Apr 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.0	114.0#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 6.615 ug/l

RT: 8.23 min Scan# 2007

Delta R.T. 0.06 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

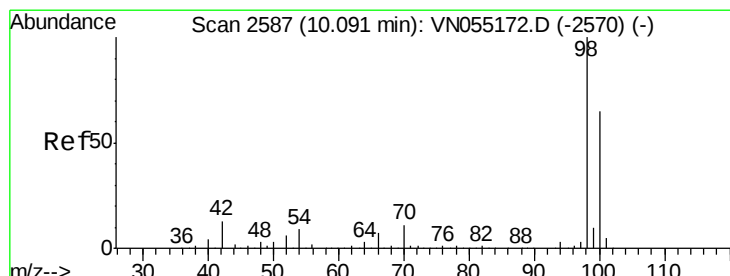
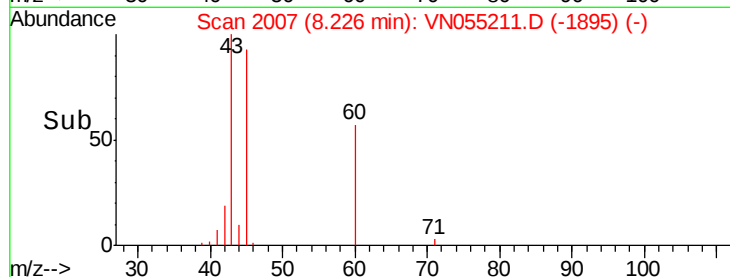
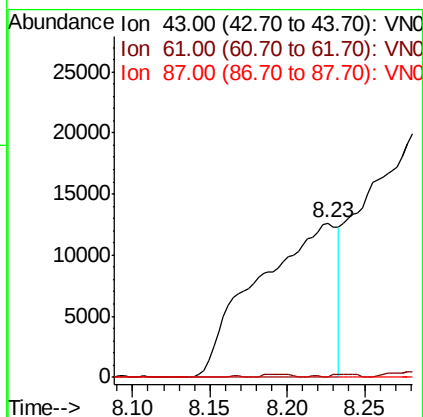
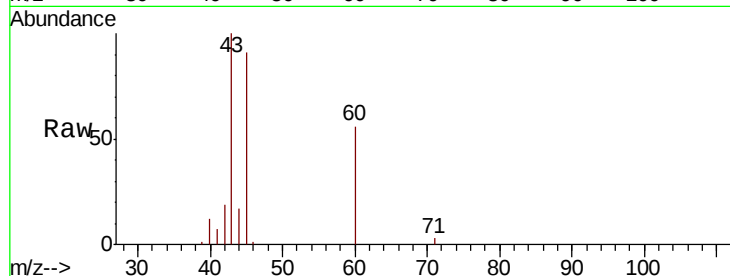
Tgt Ion: 43 Resp: 44833

Ion Ratio Lower Upper

43 100

61 0.6 20.6 30.8#

87 0.0 8.8 13.2#



#50

Toluene-d8

Concen: 49.407 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055211.D

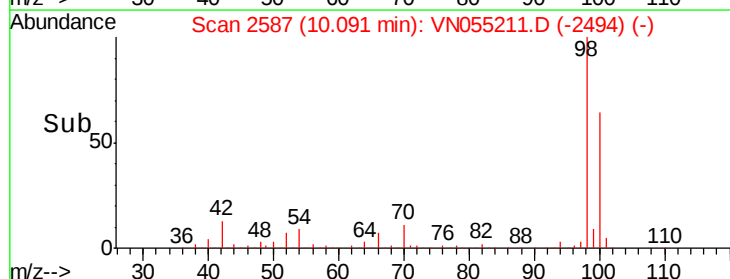
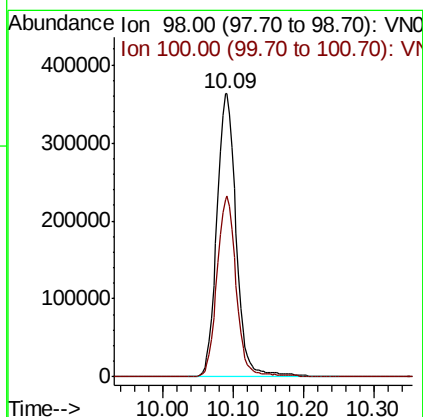
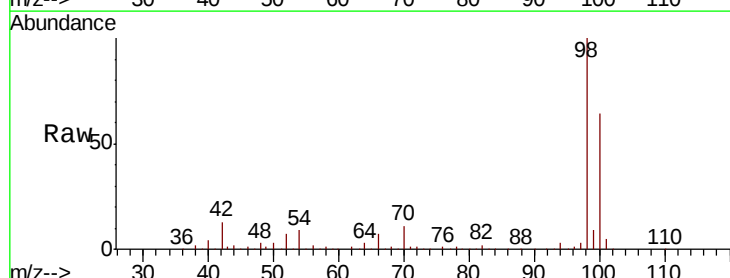
Acq: 23 Apr 2019 17:20

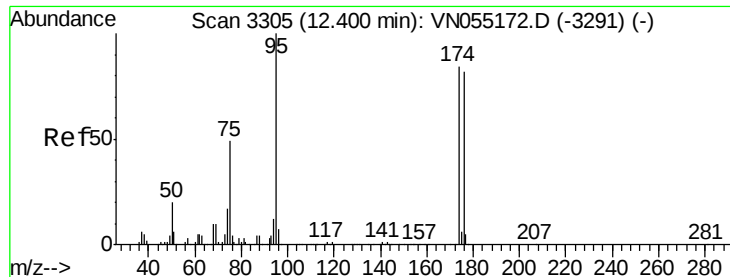
Tgt Ion: 98 Resp: 694890

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.6





#62

4-Bromofluorobenzene

Concen: 52.967 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

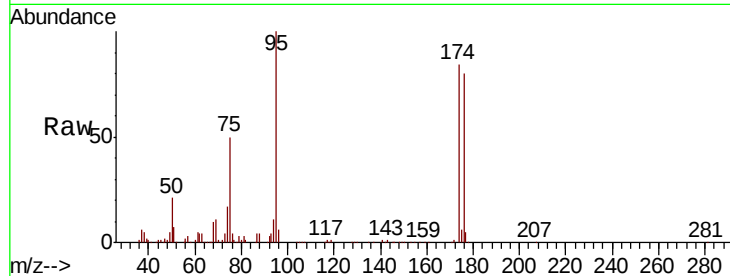
Tgt Ion: 95 Resp: 235909

Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.4

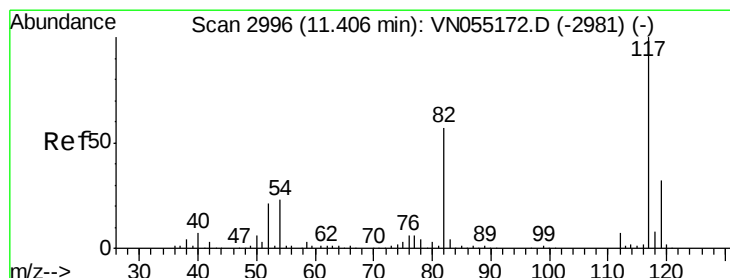
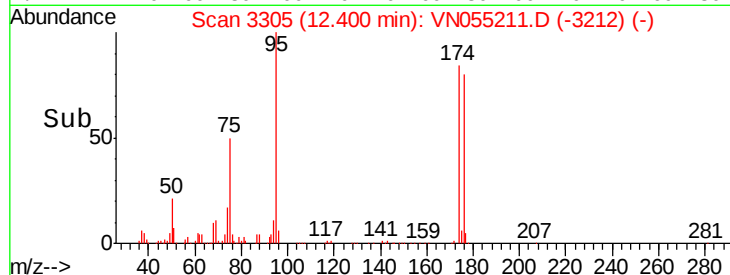
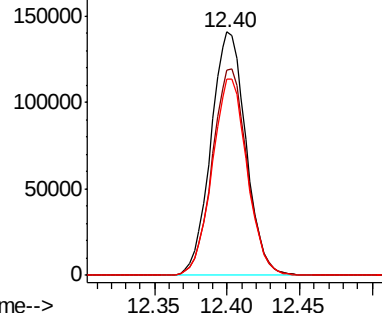
176 80.7 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055211.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055211.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055211.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

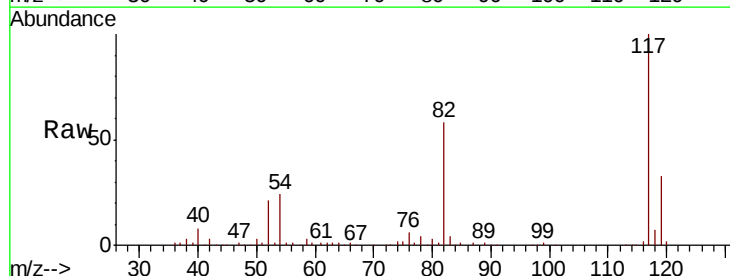
Tgt Ion: 117 Resp: 510284

Ion Ratio Lower Upper

117 100

82 57.7 45.7 68.5

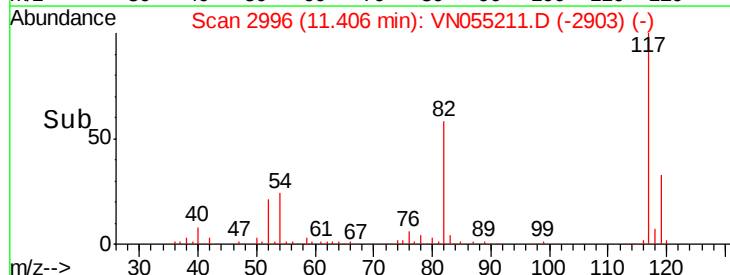
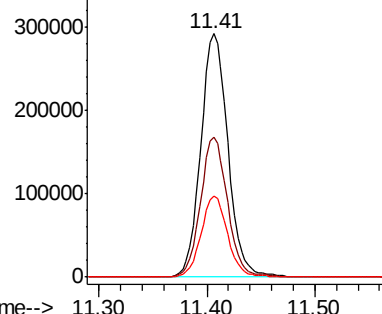
119 33.1 25.4 38.2

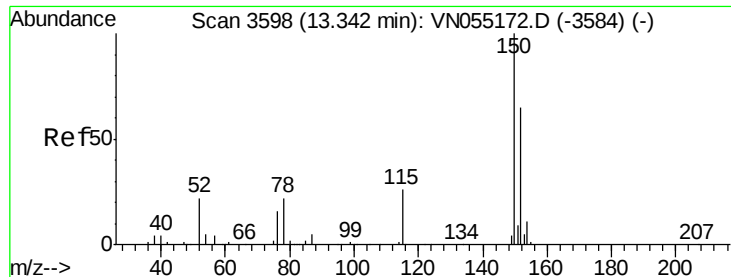


Abundance Ion 116.90 (116.60 to 117.60): VN055211.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055211.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055211.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

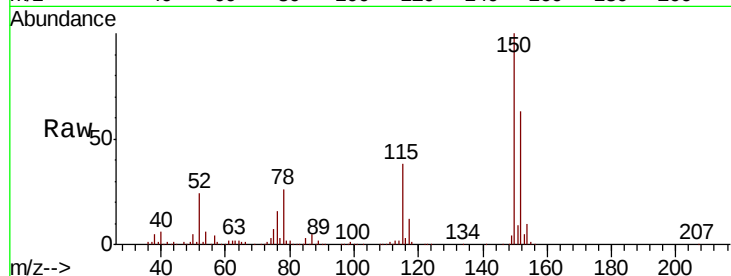
Tgt Ion:152 Resp: 197138

Ion Ratio Lower Upper

152 100

115 58.6 28.9 86.7

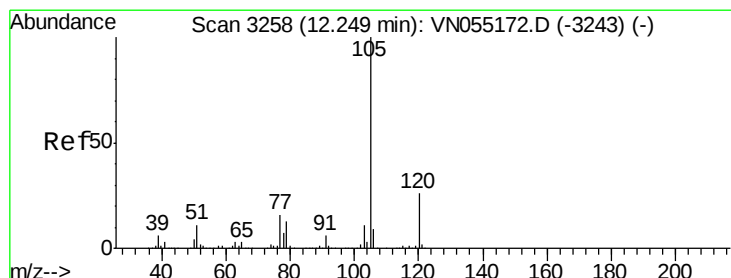
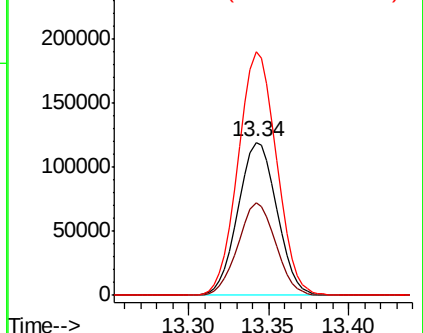
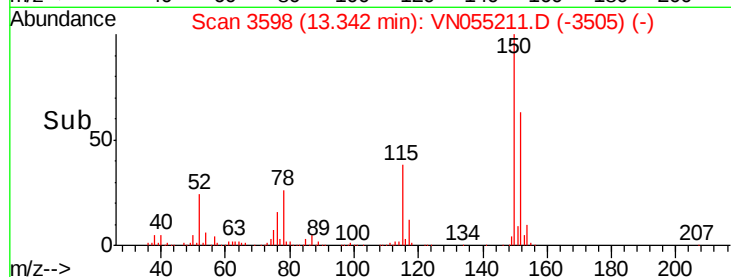
150 157.2 0.0 346.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055211.D

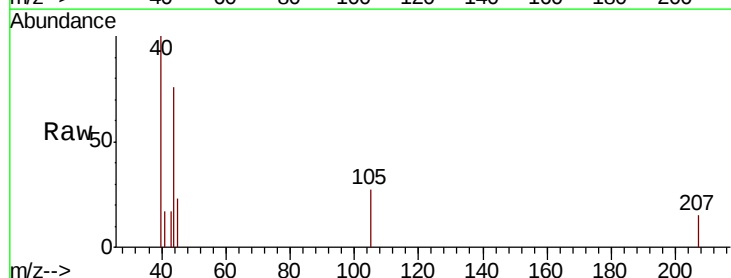
Acq: 23 Apr 2019 17:20

Tgt Ion:105 Resp: 476

Ion Ratio Lower Upper

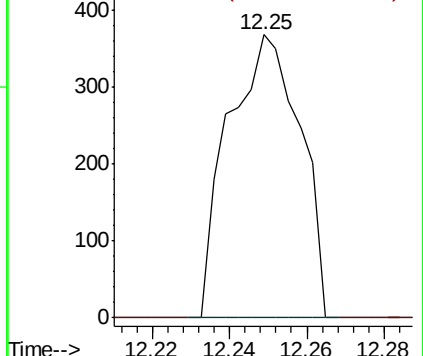
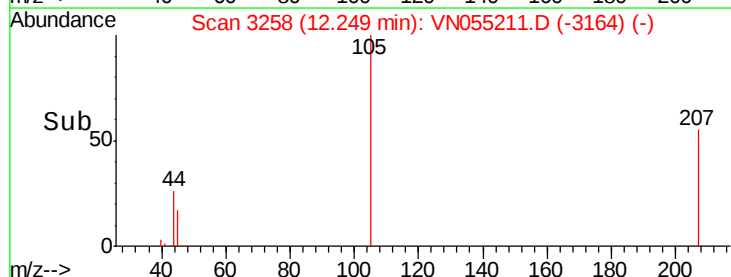
105 100

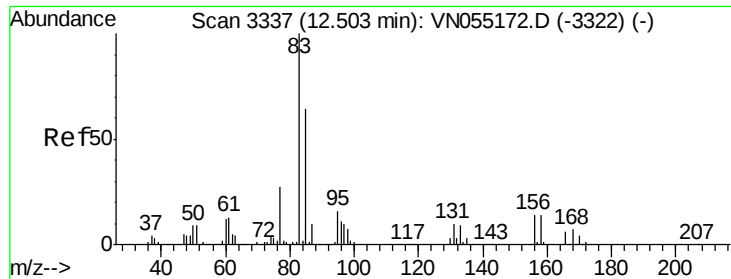
120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.76 min Scan# 3418

Delta R.T. 0.26 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

Instrument :

MSVOA_N

ClientSampled :

PL-01-041819-E

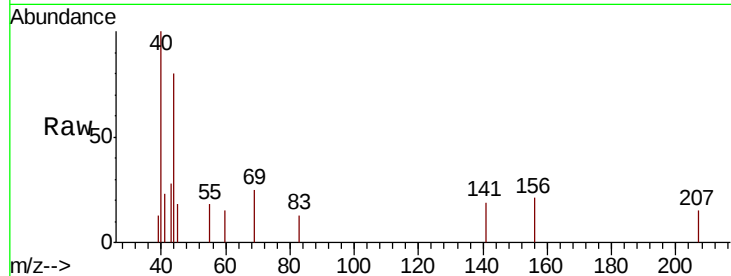
Tgt Ion: 83 Resp: 59

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

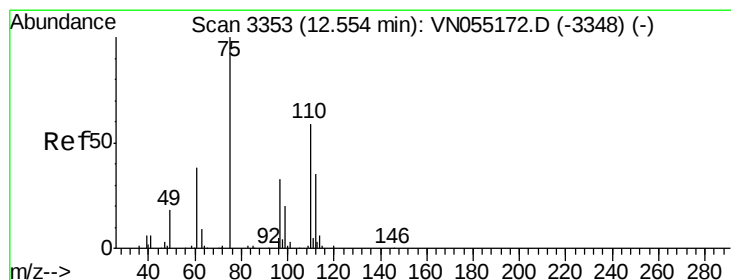
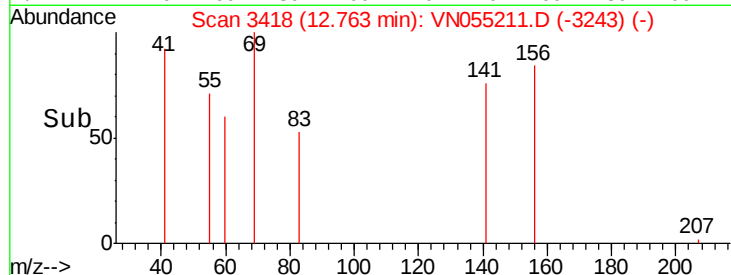
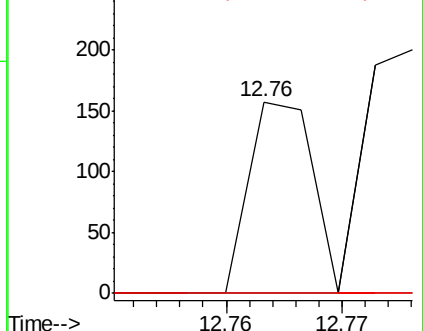
85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.589 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055211.D

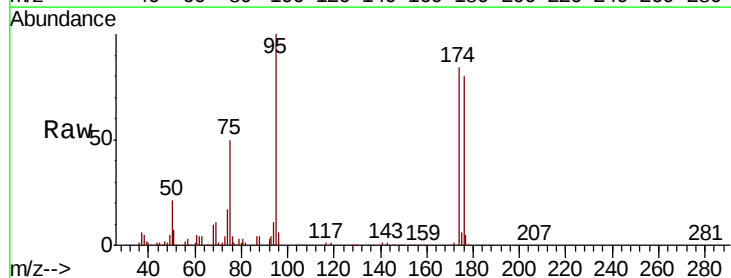
Acq: 23 Apr 2019 17:20

Tgt Ion: 75 Resp: 118340

Ion Ratio Lower Upper

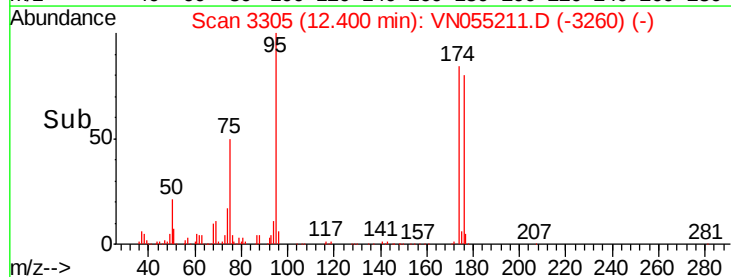
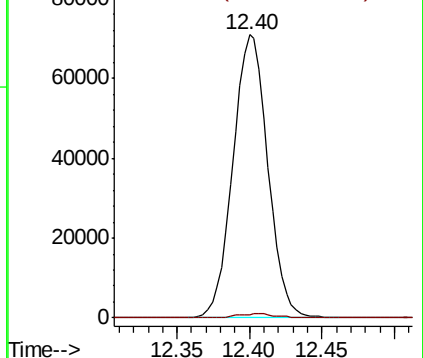
75 100

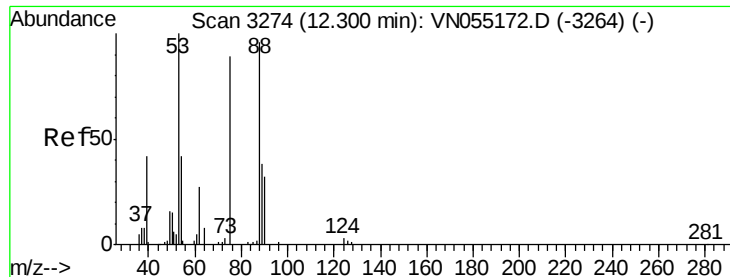
77 1.5 0.0 0.0#



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: 112.168 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

Instrument :

MSVOA_N

ClientSampleId :

PL-01-041819-E

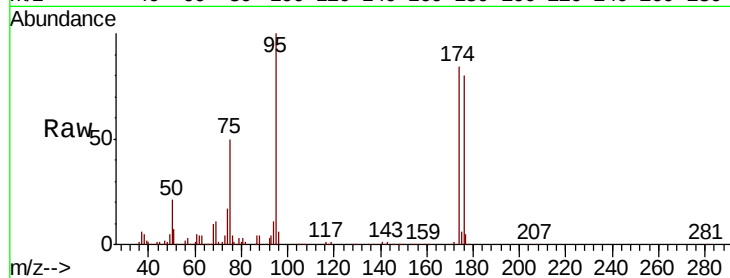
Tgt Ion: 75 Resp: 118340

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

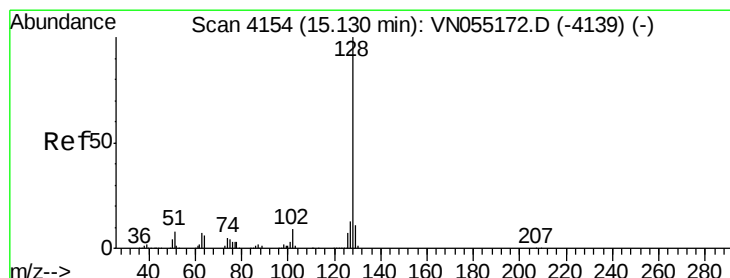
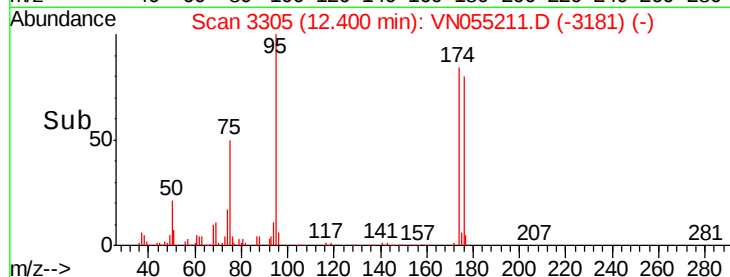
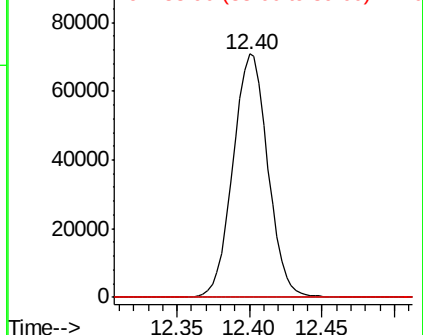
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN055211.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055211.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055211.D (-3181) (-)



#95

Naphthalene

Concen: 3.719 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055211.D

Acq: 23 Apr 2019 17:20

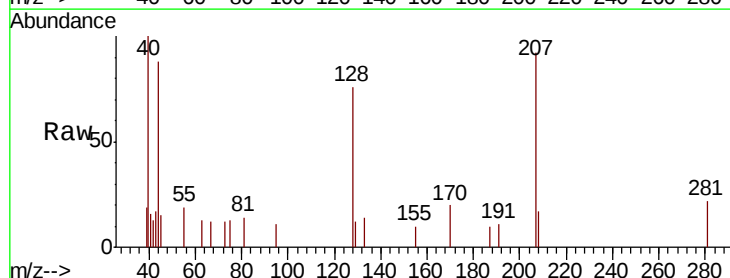
Tgt Ion: 128 Resp: 2236

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

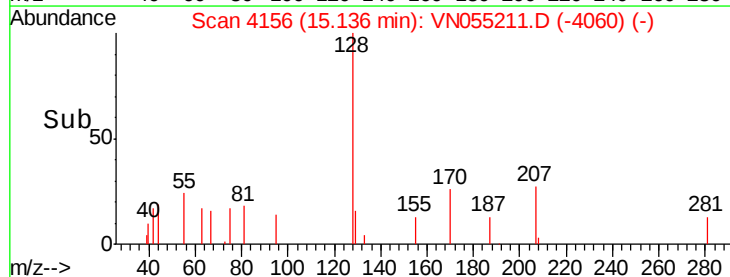
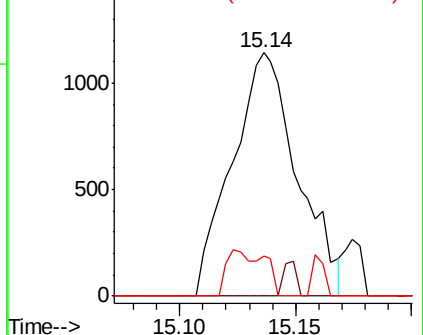
129 11.0 8.8 13.2

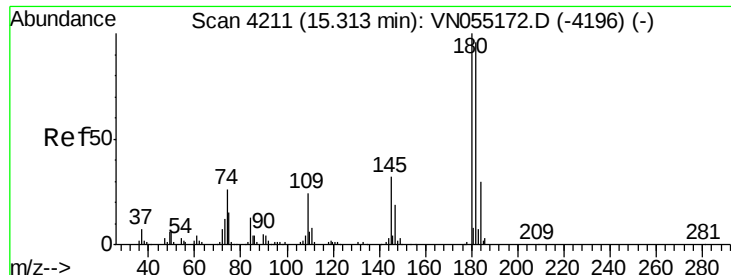


Abundance Ion 128.00 (127.70 to 128.70): VN055211.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN055211.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN055211.D (-4060) (-)

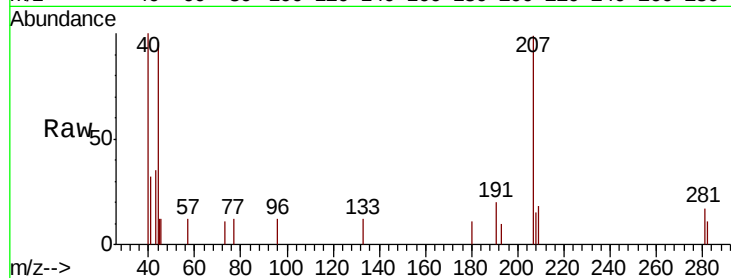




#96
 1,2,3-Trichlorobenzene
 Concen: 2.134 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN055211.D
 Acq: 23 Apr 2019 17:20

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-01-041819-E

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.2	141.6#
145	0.0	15.4	46.1#



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

