

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052907.D
 Acq On : 14 Dec 2018 23:32
 Operator : MD\SY
 Sample : J6403-52
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 03:03:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1362122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2086618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1849714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	747655	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	691013	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	7.59	113	537590	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
50) Toluene-d8	10.09	98	2554443	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.40	95	826353	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	

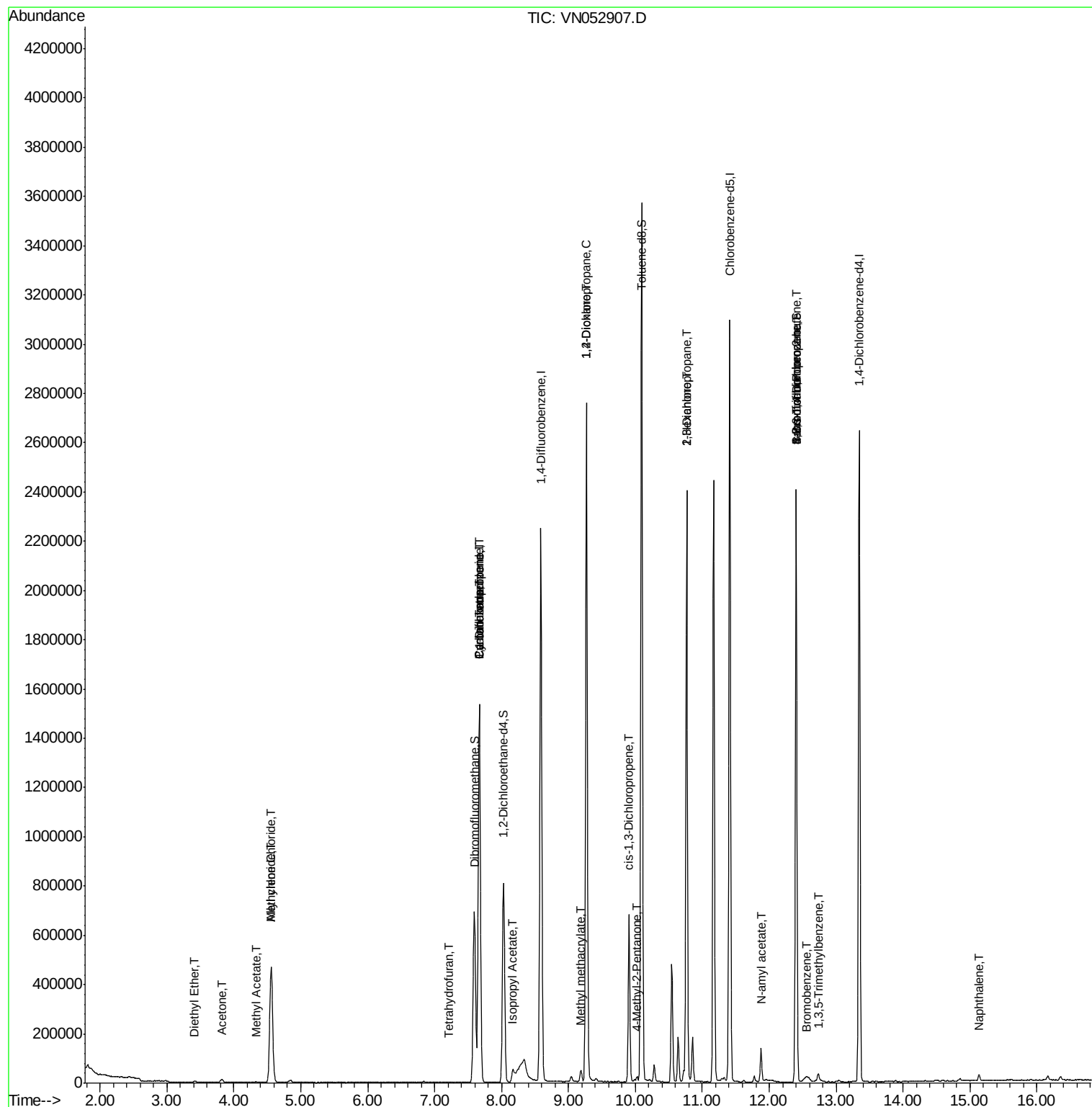
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	2663	0.350	ug/l	65
14) Allyl chloride	4.56	41	14143	0.691	ug/l #	24
16) Acetone	3.82	43	25250	7.762	ug/l	95
18) Methyl Acetate	4.33	43	6602	0.553	ug/l #	74
20) Methylene Chloride	4.56	84	369740	25.258	ug/l	97
29) Tetrahydrofuran	7.21	42	1244	0.361	ug/l #	72
31) Cyclohexane	7.67	56	22111	0.325	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	89490	4.657	ug/l #	49
38) Carbon Tetrachloride	7.67	117	118202	6.683	ug/l #	16
43) Isopropyl Acetate	8.17	43	68515	2.895	ug/l #	78
45) 1,2-Dichloropropane	9.27	63	3719	0.246	ug/l #	44
48) Methyl methacrylate	9.18	41	15369	1.481	ug/l #	12
49) 1,4-Dioxane	9.26	88	176	1.494	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	19322	1.780	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	126708	5.817	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	26068	1.219	ug/l #	43
59) 2-Hexanone	10.76	43	345399	46.442	ug/l #	49
71) Bromoform	12.40	173	4981	0.549	ug/l #	1
74) N-amyl acetate	11.88	43	41450	2.705	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	388535	35.223	ug/l #	100
77) Bromobenzene	12.55	156	23487	1.654	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	11450	0.254	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	388535	113.153	ug/l #	12
95) Naphthalene	15.14	128	23427	0.857	ug/l	98

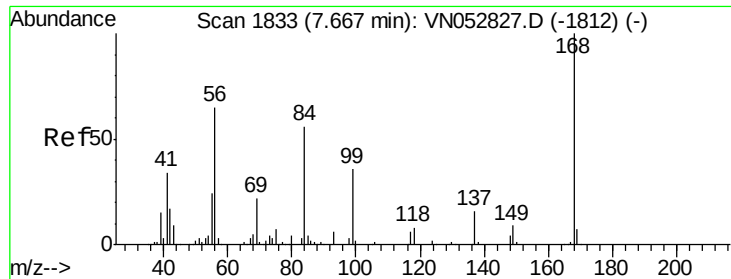
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121418\
Data File : VN052907.D
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Instrument :
MSVOA_N
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Quant Time: Dec 15 03:03:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

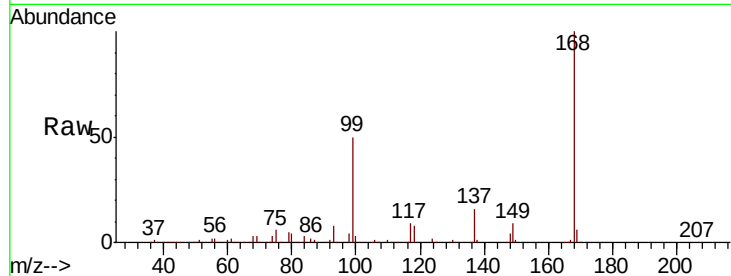
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1362122

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

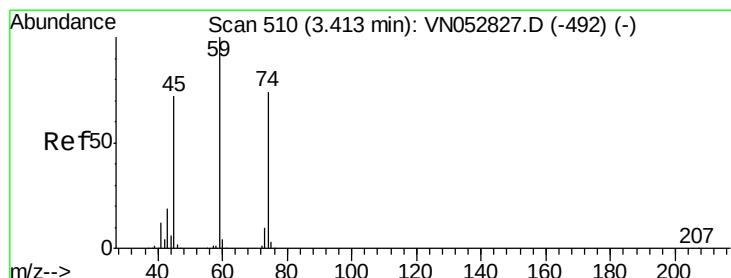
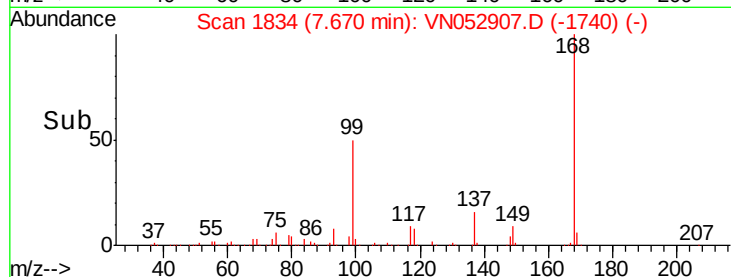
400000

200000

0

Time-->

7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.350 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN052907.D

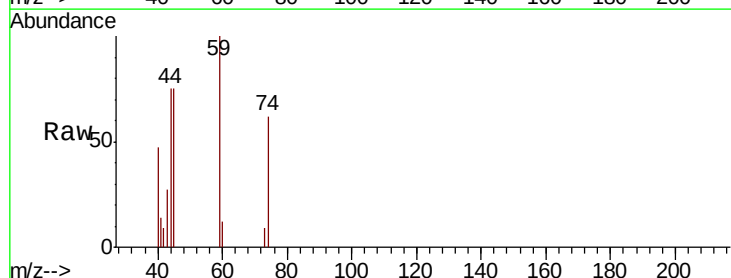
Acq: 14 Dec 2018 23:32

Tgt Ion: 74 Resp: 2663

Ion Ratio Lower Upper

74 100

45 133.4 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

1500

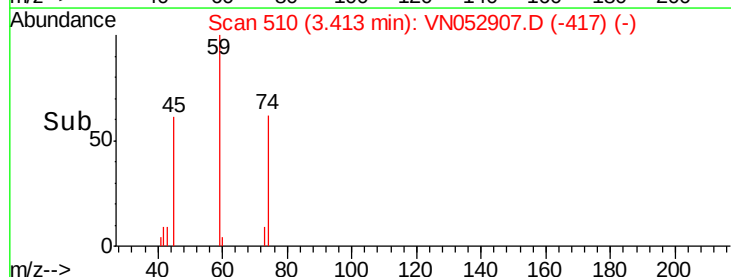
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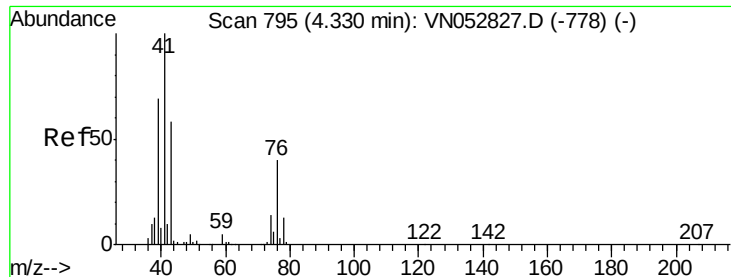
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0

Time-->

3.35 3.40 3.45

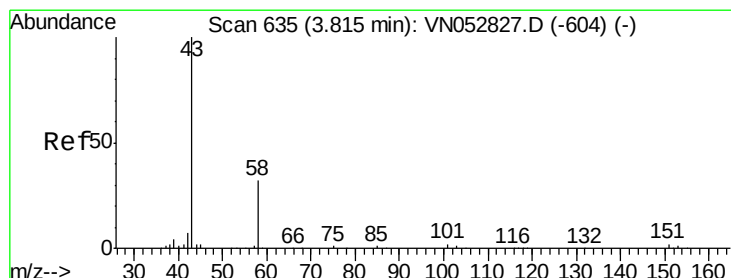
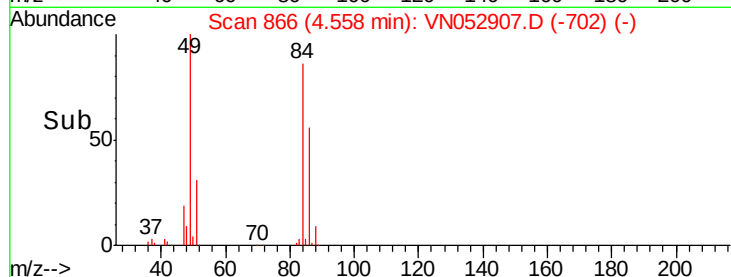
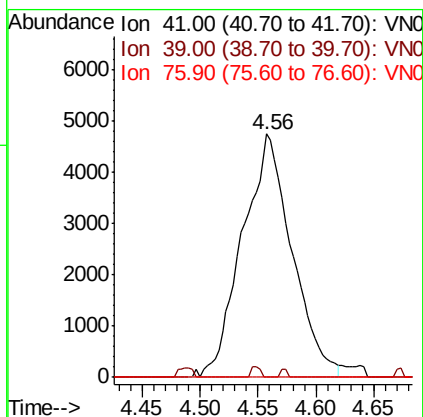
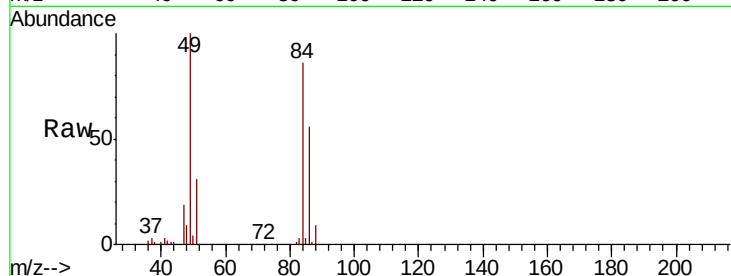




#14
Allvl chloride
Concen: 0.691 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.23 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

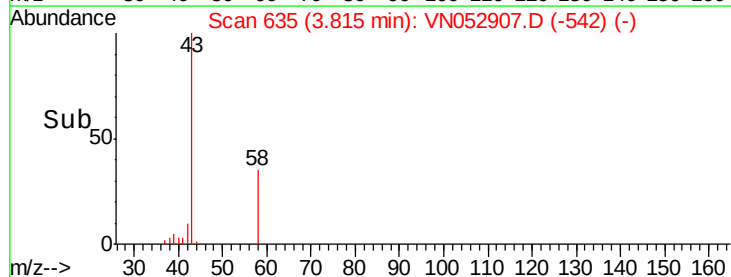
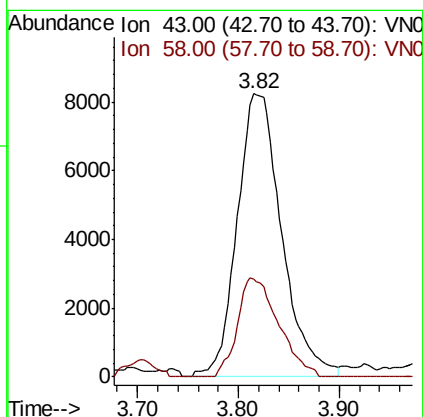
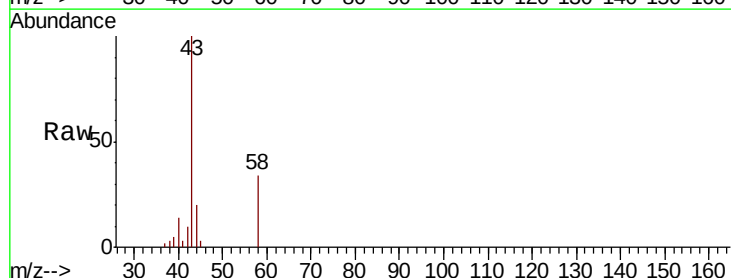
Instrument :
MSVOA_N
ClientSampled :

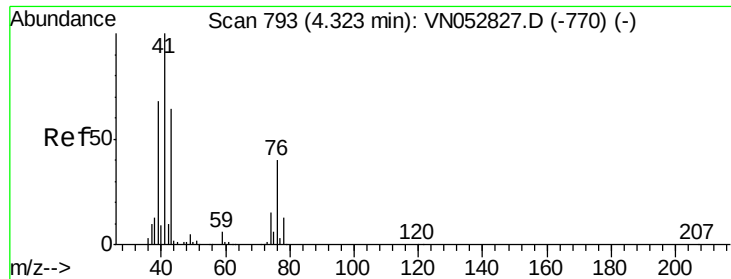
Tot Ion: 41 Resp: 14143
Ion Ratio Lower Upper
41 100
39 0.7 54.1 81.1#
76 0.0 30.3 45.5#



#16
Acetone
Concen: 7.762 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Tgt Ion: 43 Resp: 25250
Ion Ratio Lower Upper
43 100
58 34.4 25.4 38.0

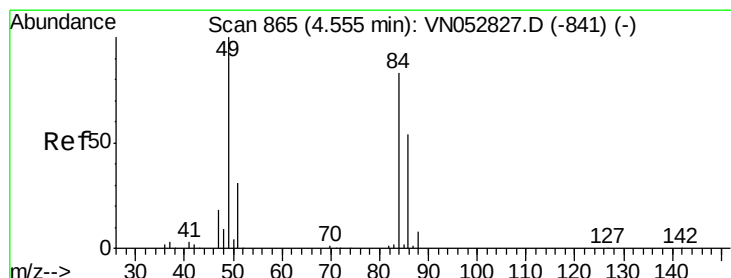
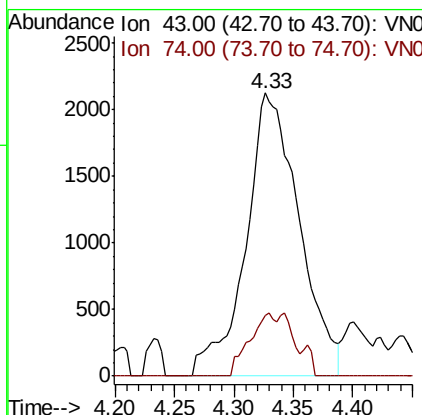
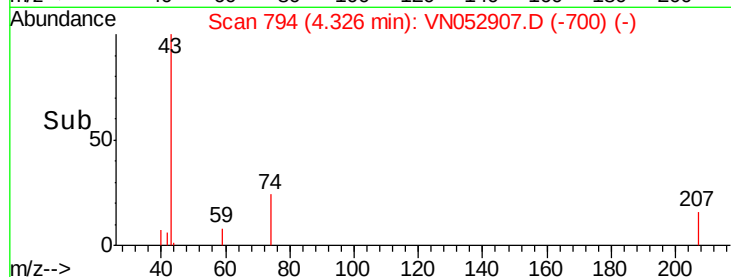
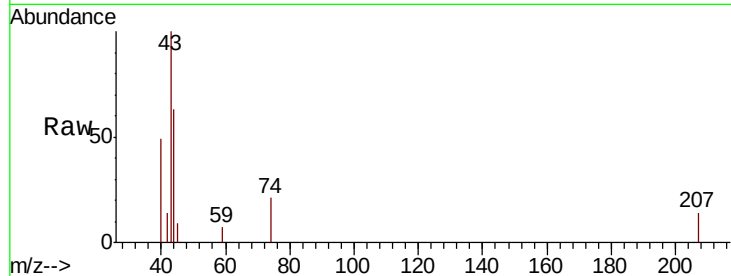




#18
Methyl Acetate
Concen: 0.553 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

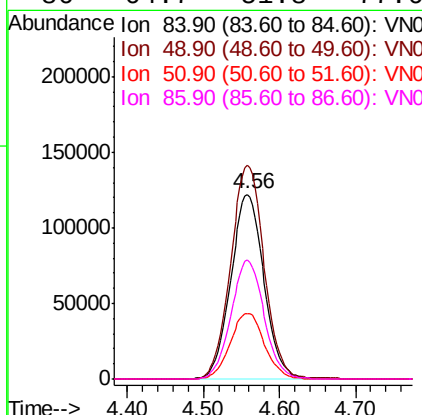
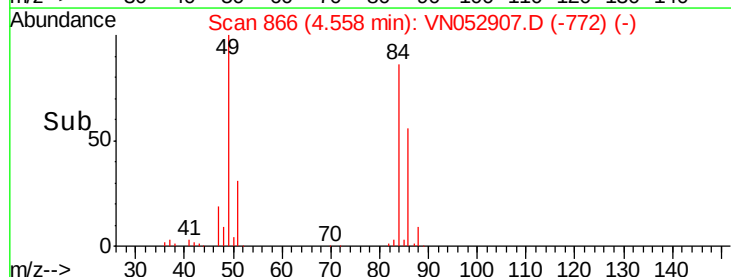
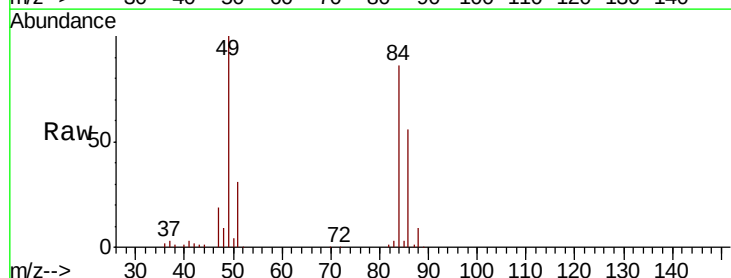
Instrument :
MSVOA_N
ClientSampleId :

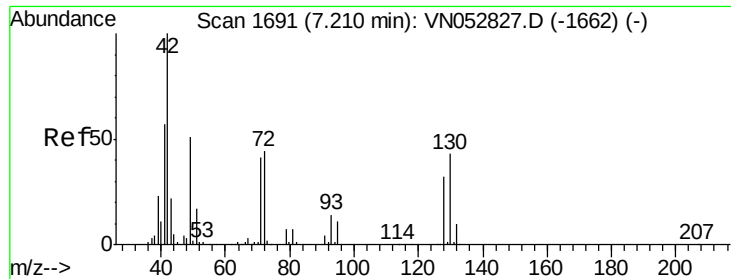
Tot Ion: 43 Resp: 6602
Ion Ratio Lower Upper
43 100
74 11.2 19.2 28.8#



#20
Methylene Chloride
Concen: 25.258 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Tgt Ion: 84 Resp: 369740
Ion Ratio Lower Upper
84 100
49 115.6 96.8 145.2
51 35.7 29.9 44.9
86 64.7 51.8 77.6

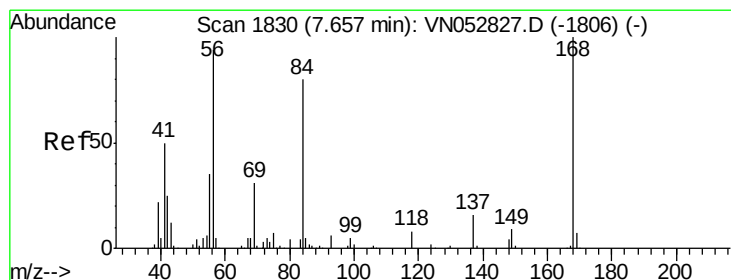
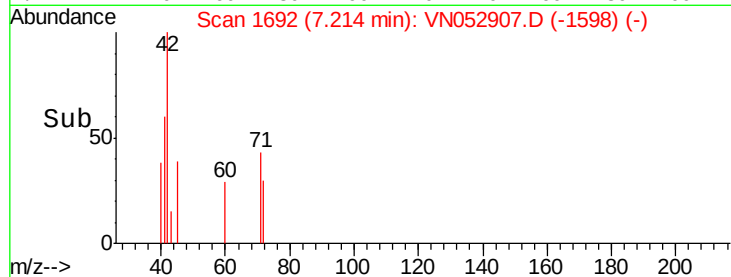
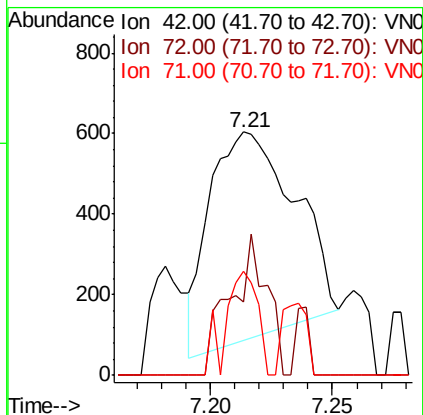
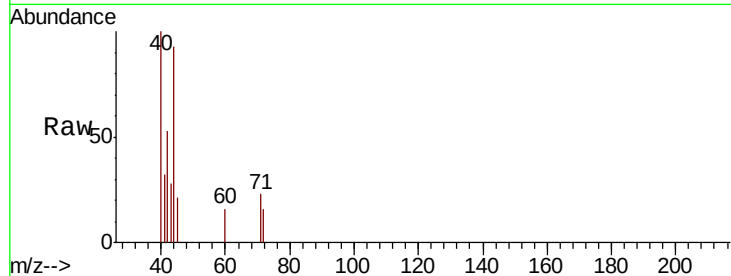




#29
Tetrahydrofuran
Concen: 0.361 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

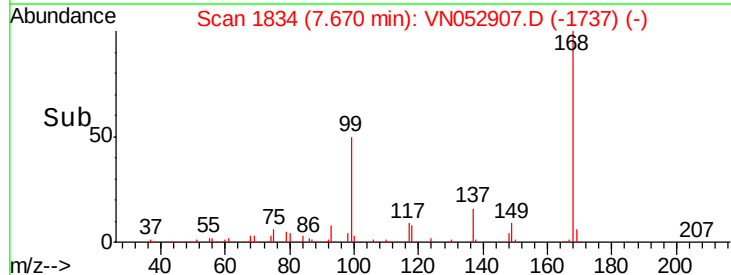
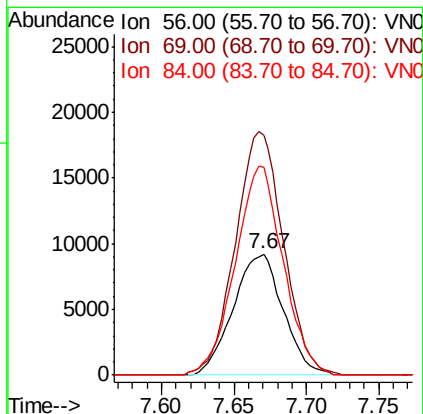
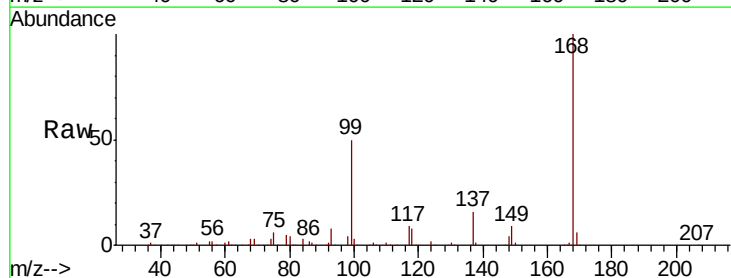
Instrument :
MSVOA_N
ClientSampleId :

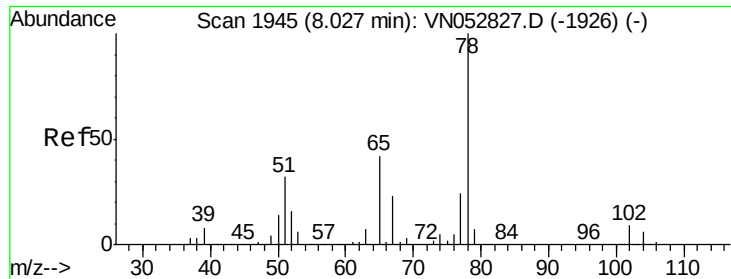
Tot Ion: 42 Resp: 1244
Ion Ratio Lower Upper
42 100
72 29.3 34.7 52.1#
71 19.1 32.3 48.5#



#31
Cyclohexane
Concen: 0.325 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Tgt Ion: 56 Resp: 22111
Ion Ratio Lower Upper
56 100
69 196.5 26.6 39.8#
84 171.9 68.4 102.6#

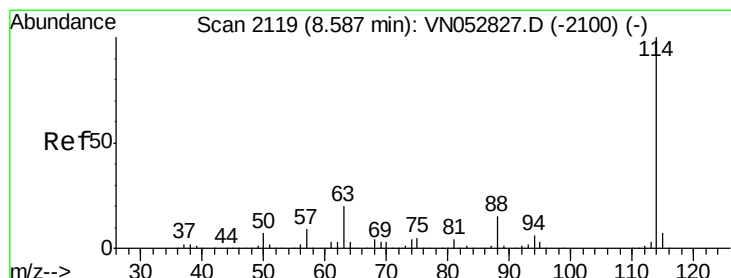
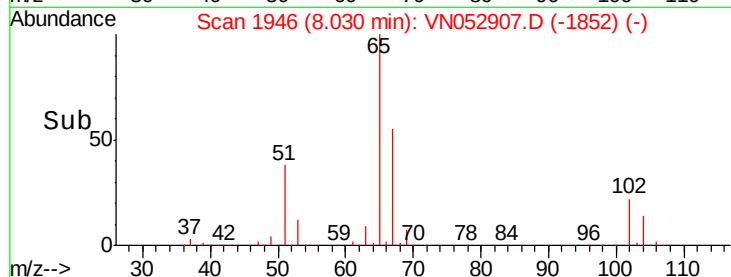
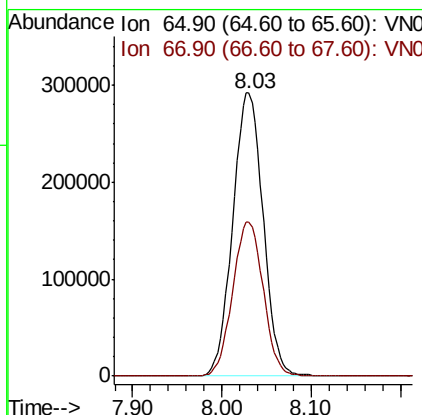
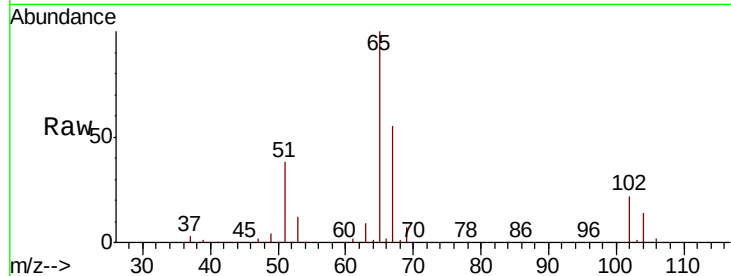




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052907.D
 Acq: 14 Dec 2018 23:32

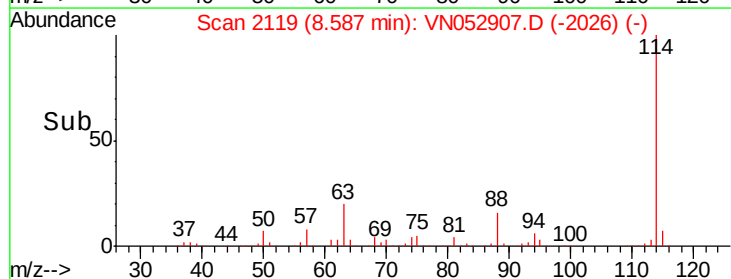
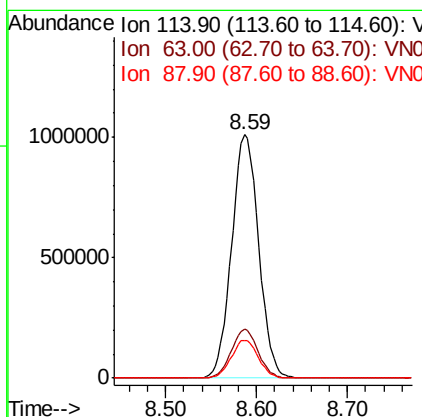
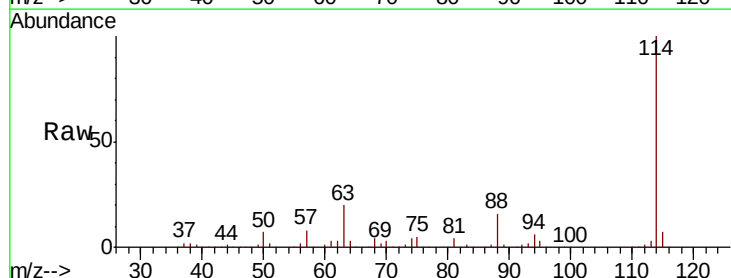
Instrument :
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 ClientSampleId :

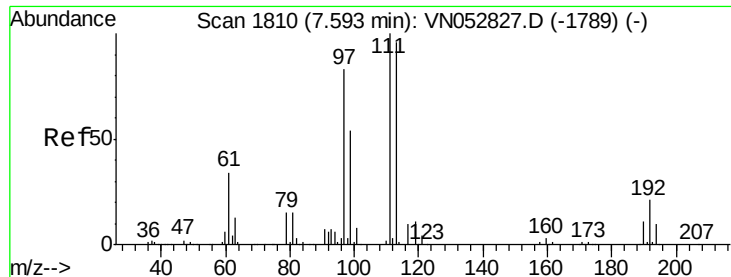
Tot Ion: 65 Resp: 691013
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052907.D
 Acq: 14 Dec 2018 23:32

Tgt Ion: 114 Resp: 2086618
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.7 0.0 31.0

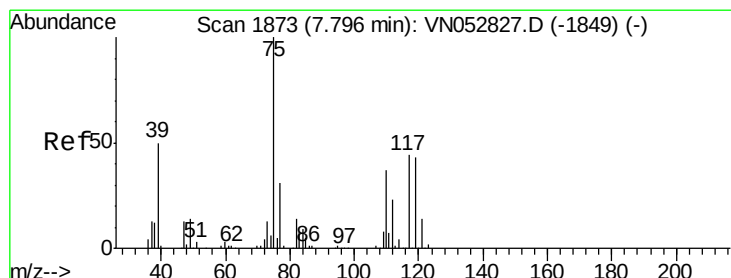
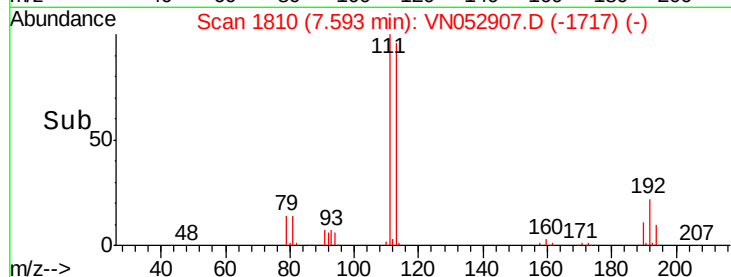
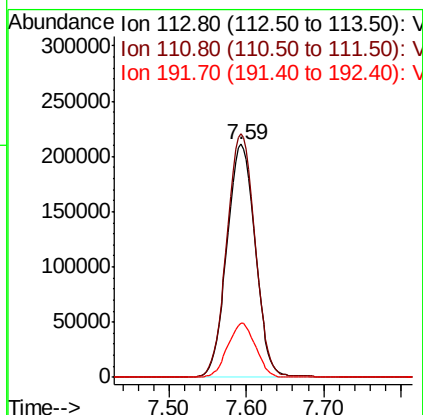
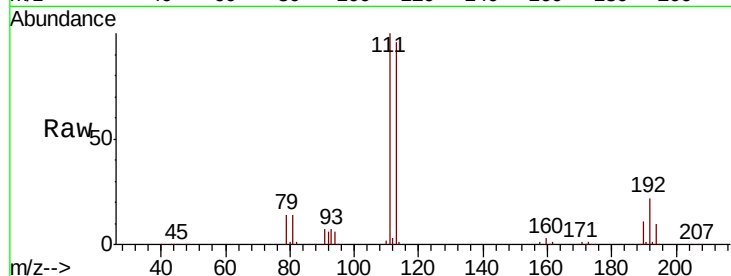




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

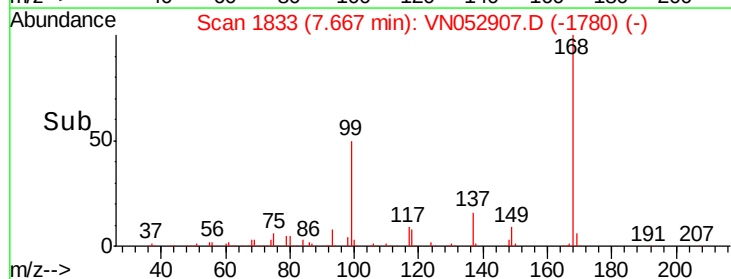
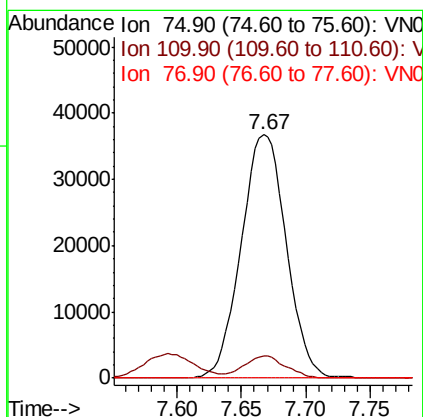
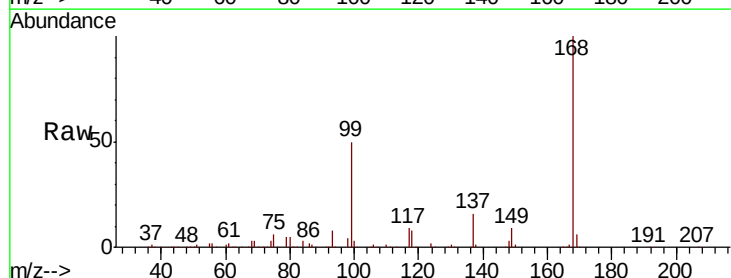
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MSVOA_N
ClientSampled :

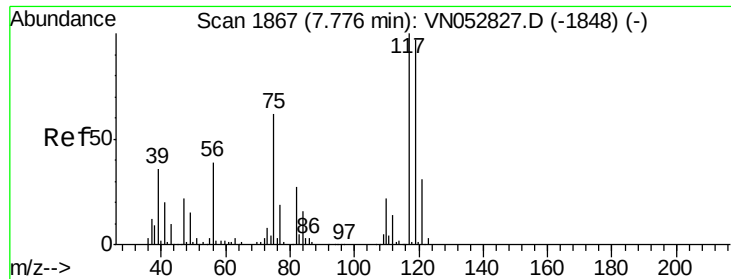
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.4
192	22.7	17.5	26.3



#36
1,1-Dichloropropene
Concen: 4.657 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#

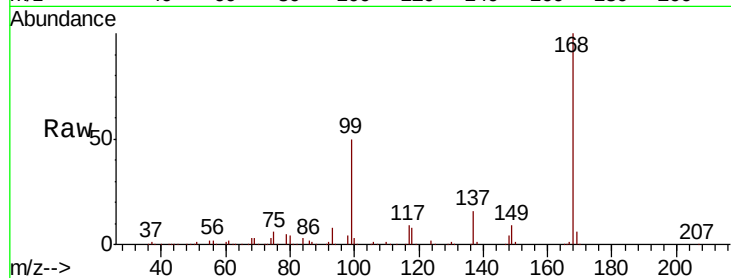




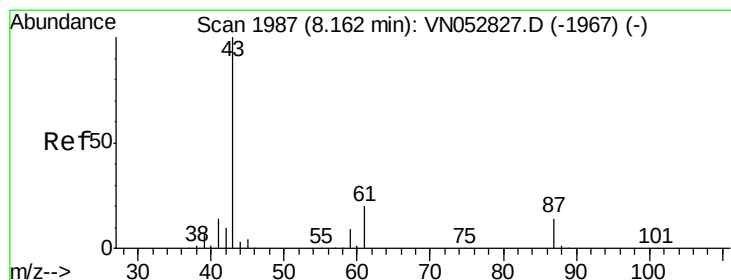
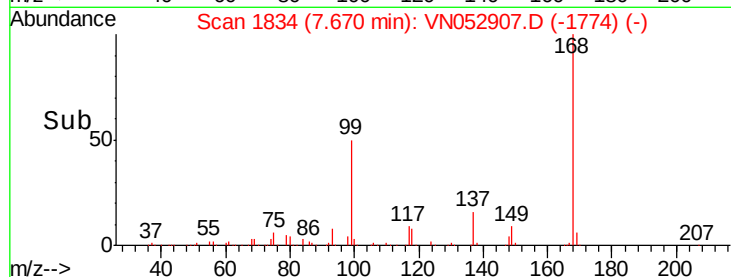
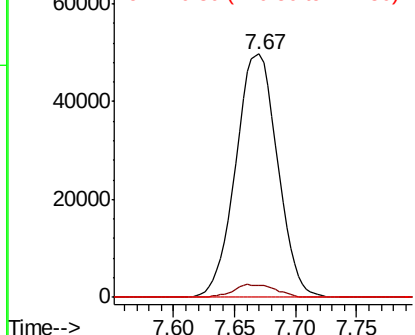
#38
Carbon Tetrachloride
Concen: 6.683 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.11 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 118202
Ion Ratio Lower Upper
117 100
119 5.1 77.1 115.7#
121 0.0 24.9 37.3#

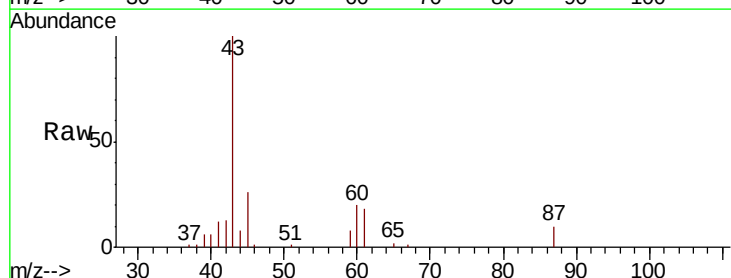


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

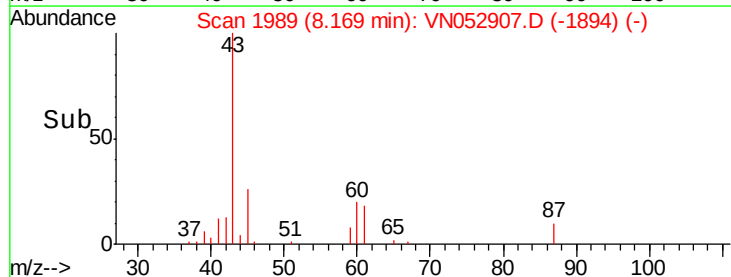
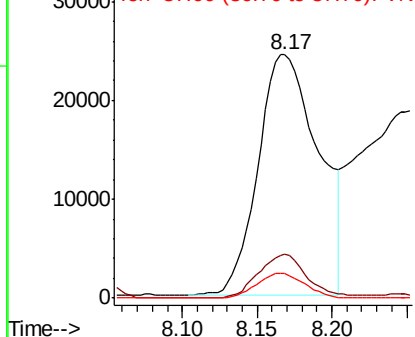


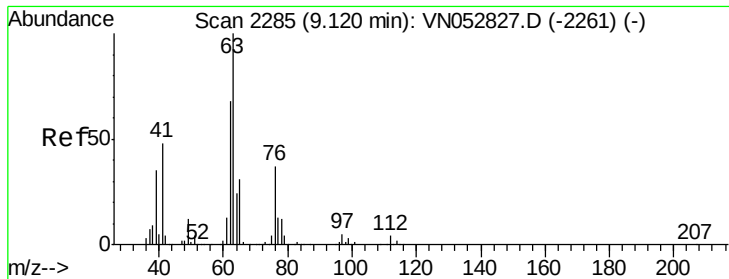
#43
Isopropyl Acetate
Concen: 2.895 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Tgt Ion: 43 Resp: 68515
Ion Ratio Lower Upper
43 100
61 14.5 22.9 34.3#
87 8.2 10.6 15.8#



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

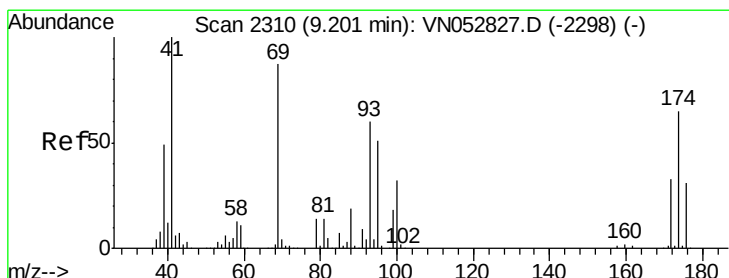
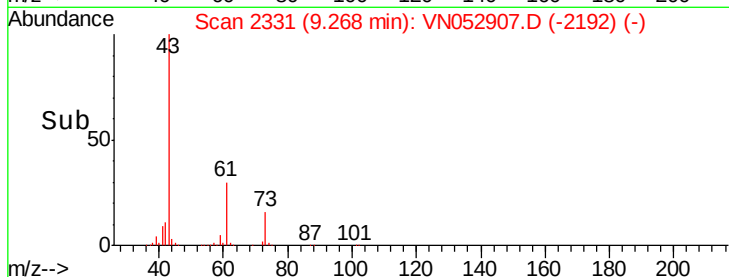
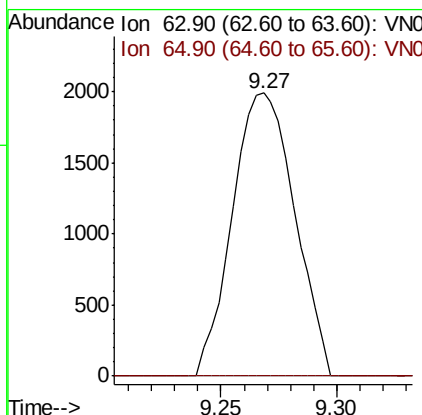
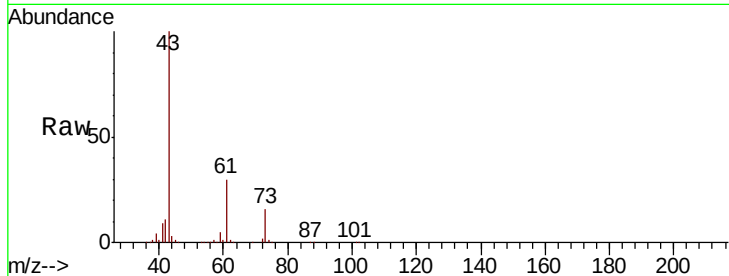




#45
 1,2-Dichloropropane
 Concen: 0.246 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052907.D
 Acq: 14 Dec 2018 23:32

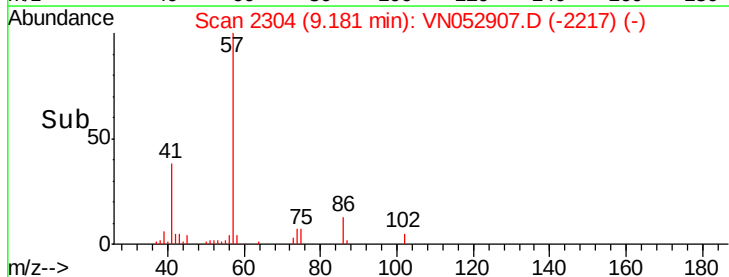
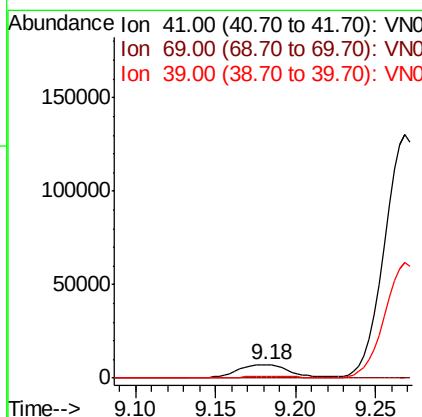
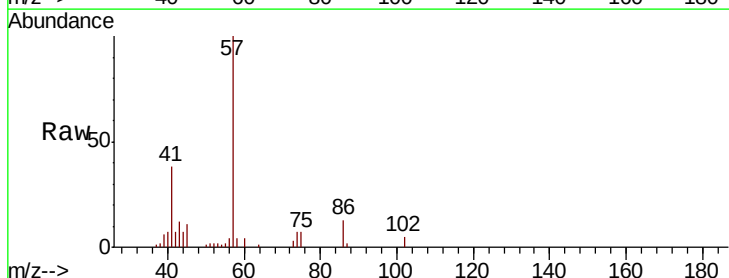
Instrument :
 MSVOA_N
 ClientSampleId :

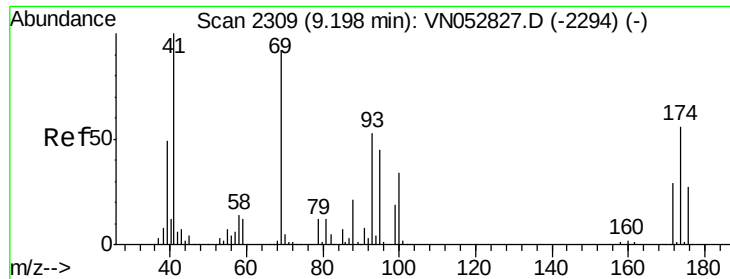
Tot Ion: 63 Resp: 3719
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.481 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052907.D
 Acq: 14 Dec 2018 23:32

Tgt Ion: 41 Resp: 15369
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.2 108.2#
 39 0.0 41.9 62.9#





#49

1,4-Dioxane

Concen: 1.494 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

Instrument :
MSVOA_N
ClientSampleId :

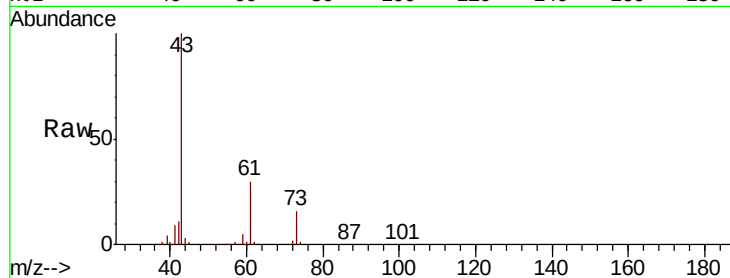
Tot Ion: 88 Resp: 176

Ion Ratio Lower Upper

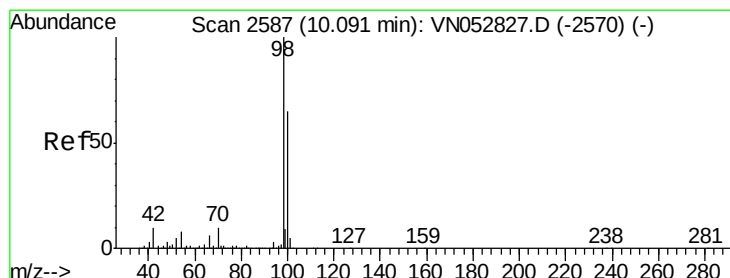
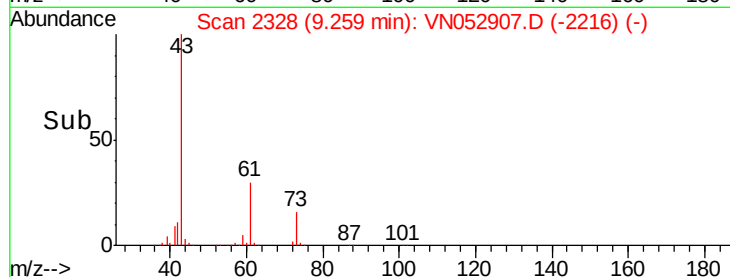
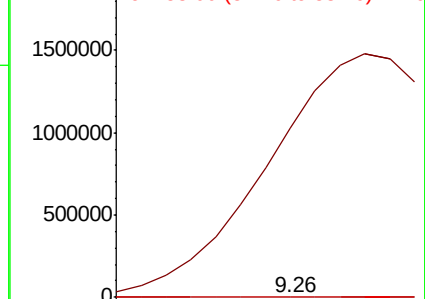
88 100

43 1530283.5 26.6 40.0#

58 5988.6 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 1.494 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052907.D

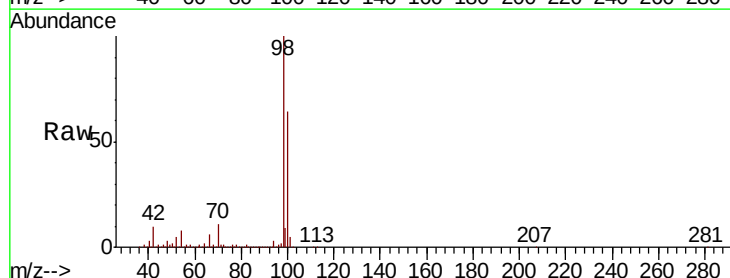
Acq: 14 Dec 2018 23:32

Tgt Ion: 98 Resp: 2554443

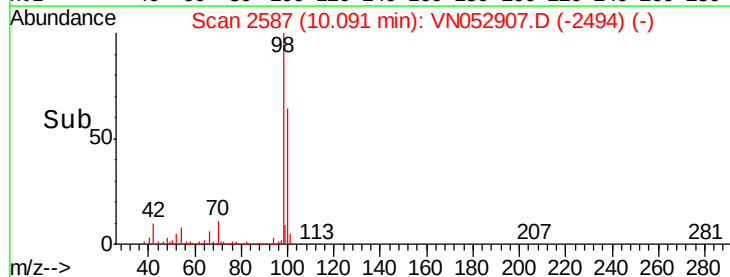
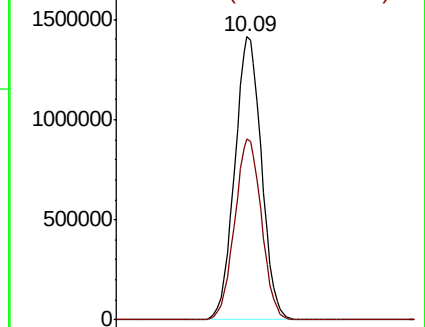
Ion Ratio Lower Upper

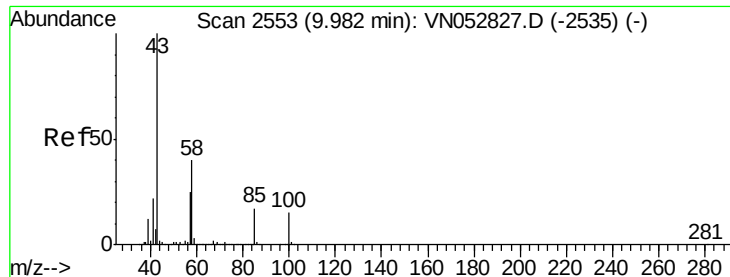
98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

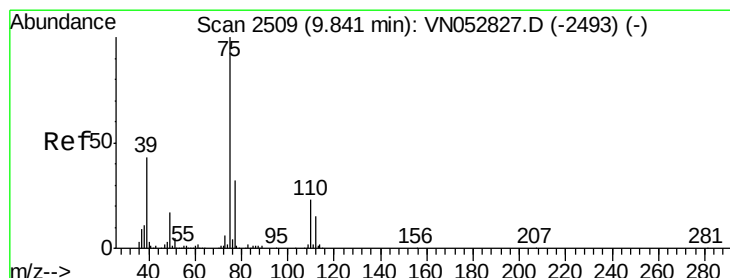
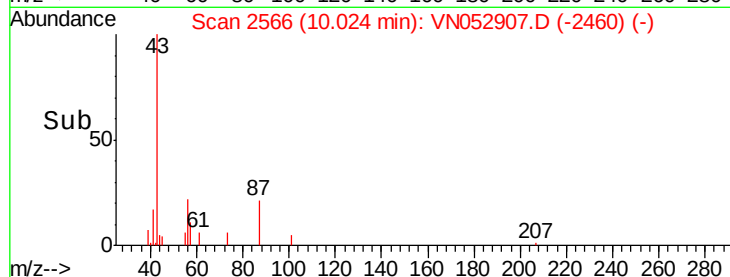
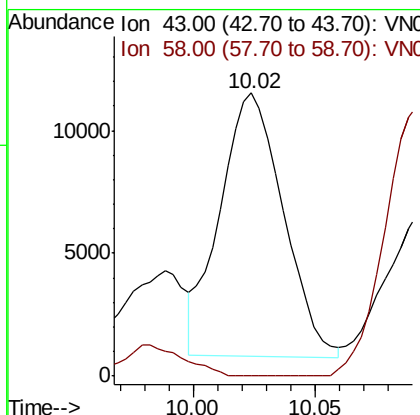
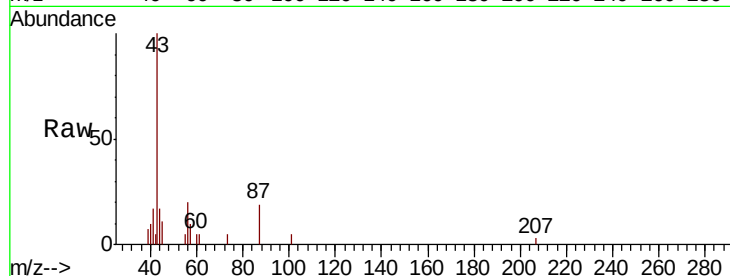




#51
 4-Methyl-2-Pentanone
 Concen: 1.780 ug/l
 RT: 10.02 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: VN052907.D
 Acq: 14 Dec 2018 23:32

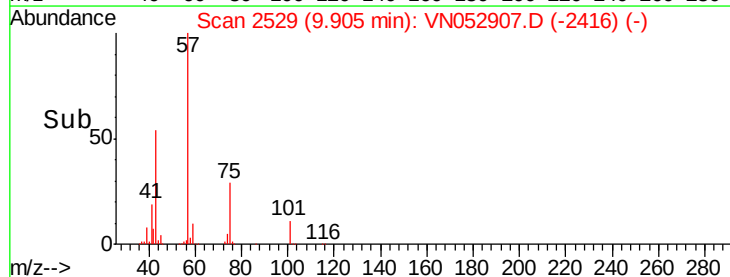
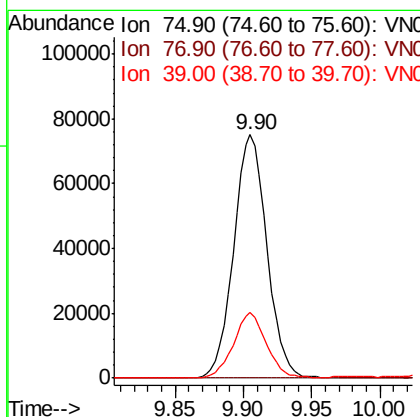
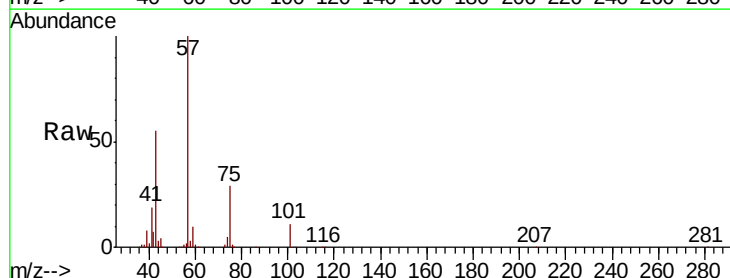
Instrument :
 MSVOA_N
 ClientSampled :

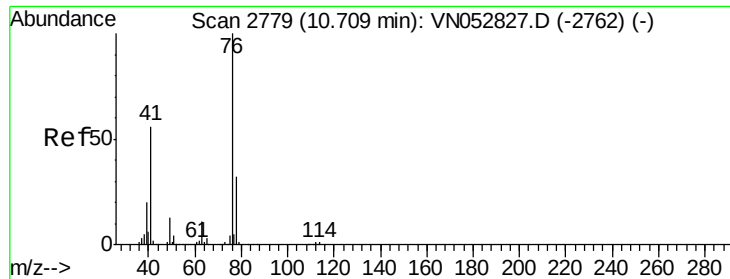
Tot Ion: 43 Resp: 19322
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.2 48.4#



#54
 cis-1,3-Dichloropropene
 Concen: 5.817 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN052907.D
 Acq: 14 Dec 2018 23:32

Tgt Ion: 75 Resp: 126708
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.8 38.8#
 39 26.5 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.219 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

Instrument :

MSVOA_N

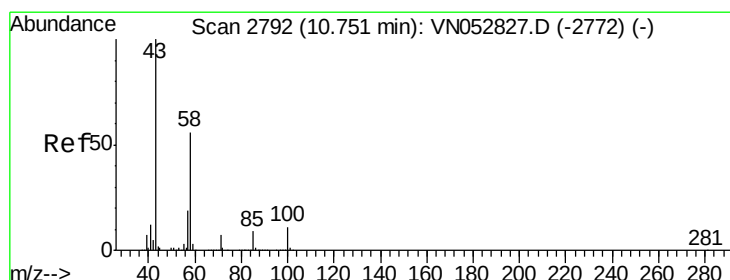
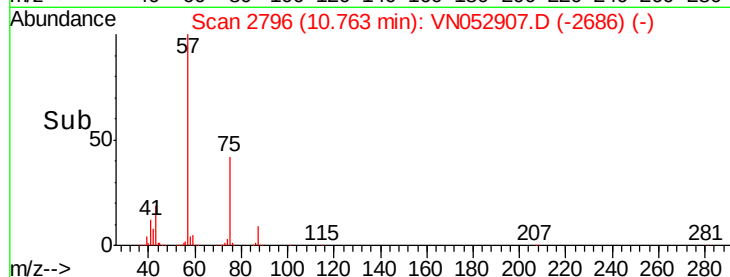
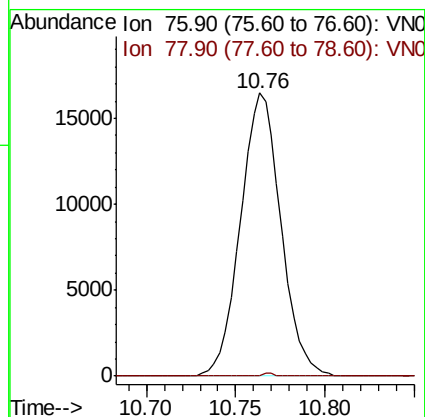
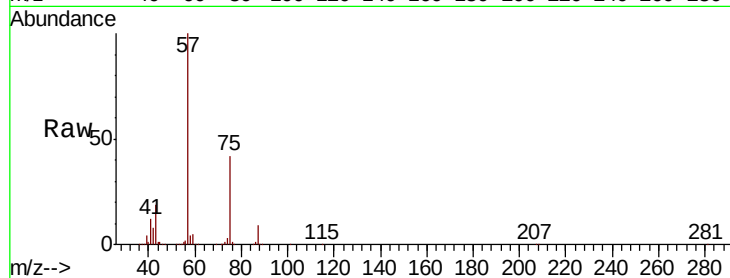
ClientSampleId :

Tot Ion: 76 Resp: 26068

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 46.442 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052907.D

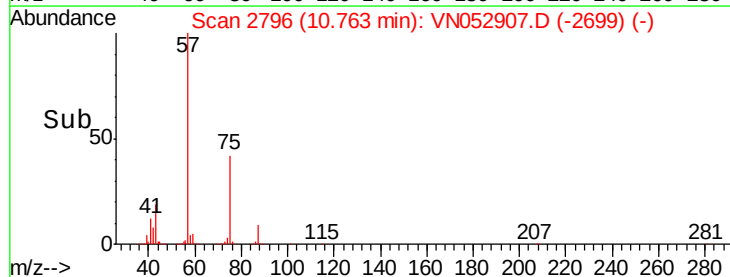
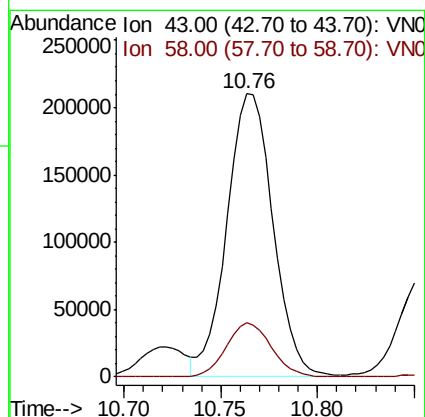
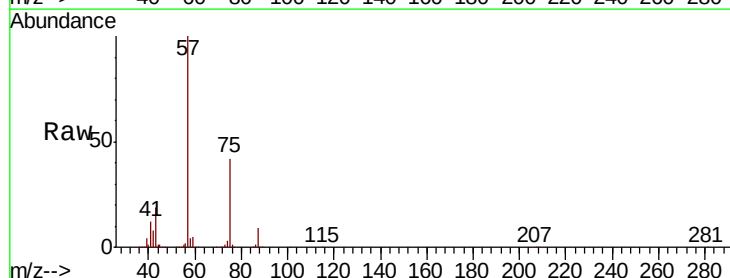
Acq: 14 Dec 2018 23:32

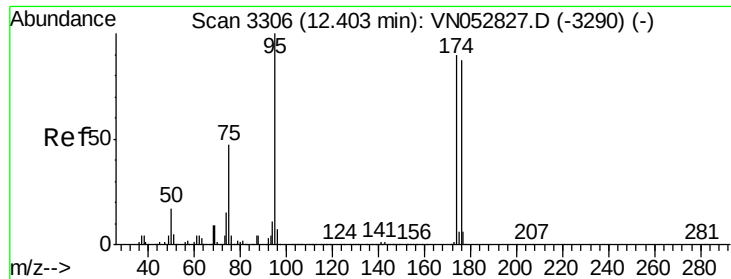
Tgt Ion: 43 Resp: 345399

Ion Ratio Lower Upper

43 100

58 19.2 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

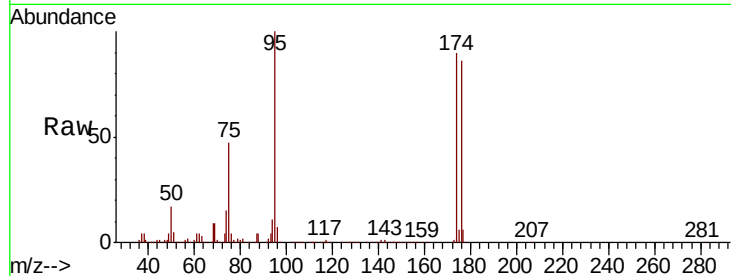
Tot Ion: 95 Resp: 826353

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

176 86.8 0.0 173.8

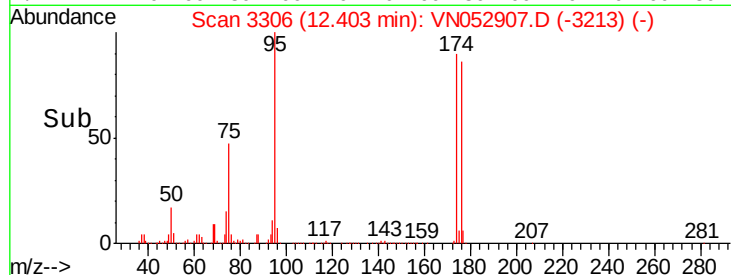


Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)

Time-->



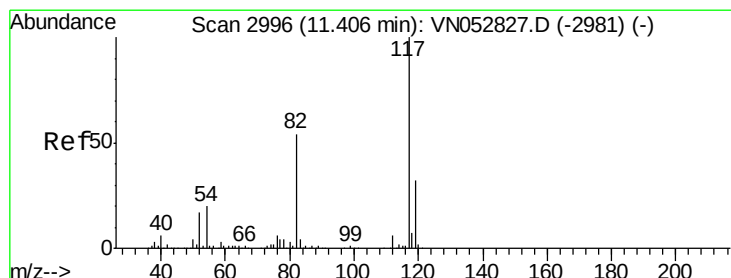
Abundance

Ion 94.90 (94.60 to 95.60): VN052907.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN052907.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN052907.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

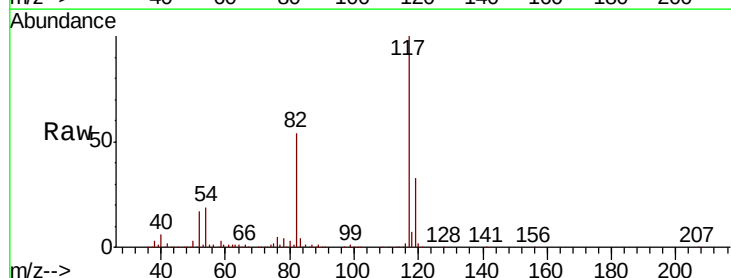
Tgt Ion: 117 Resp: 1849714

Ion Ratio Lower Upper

117 100

82 53.5 42.8 64.2

119 32.7 25.5 38.3

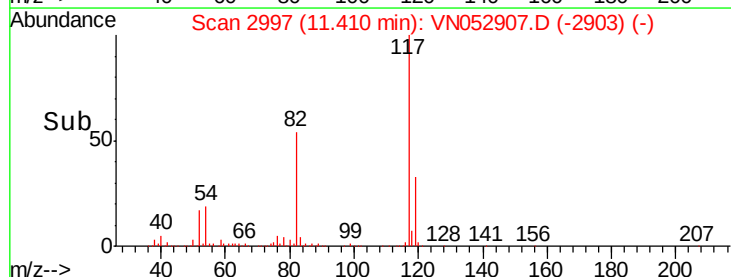


Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)

Time-->



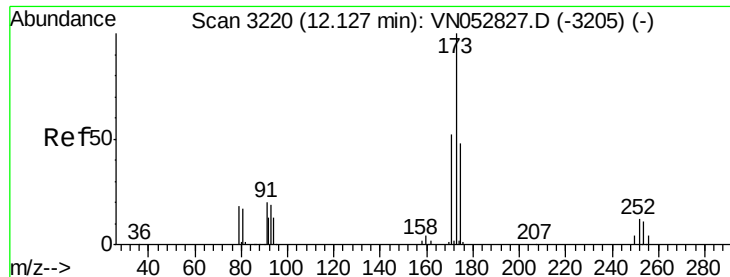
Abundance

Ion 116.90 (116.60 to 117.60): VN052907.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052907.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052907.D (-2903) (-)

Time-->



#71

Bromoform

Concen: 0.549 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

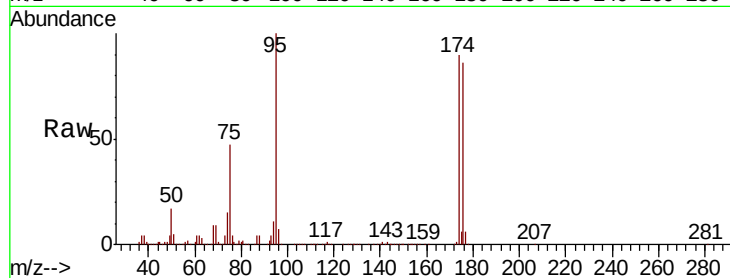
Tot Ion:173 Resp: 4981

Ion Ratio Lower Upper

173 100

175 909.0 24.3 72.9#

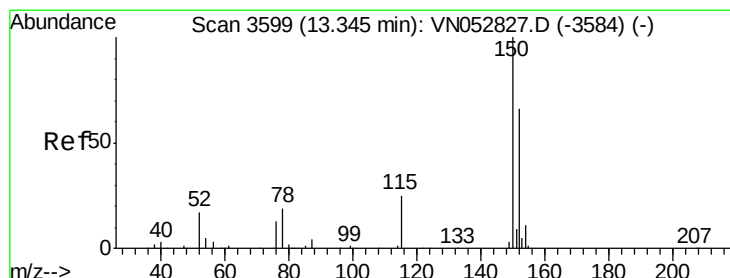
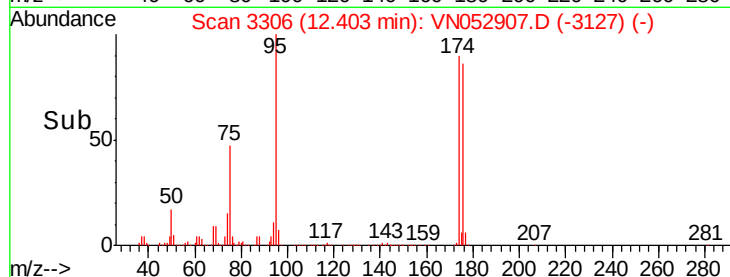
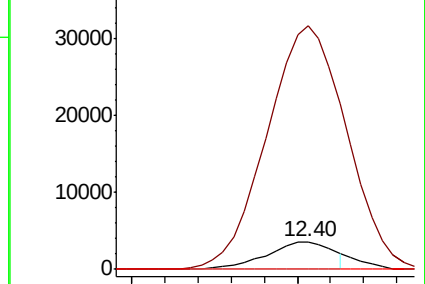
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

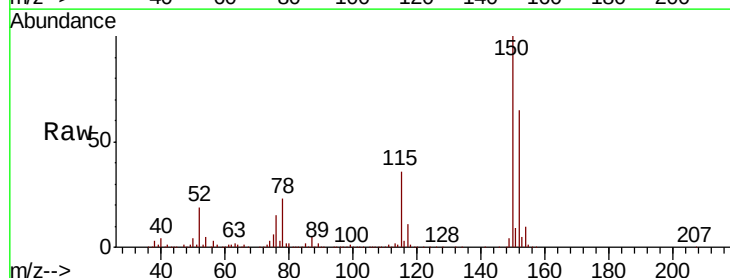
Tgt Ion:152 Resp: 747655

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

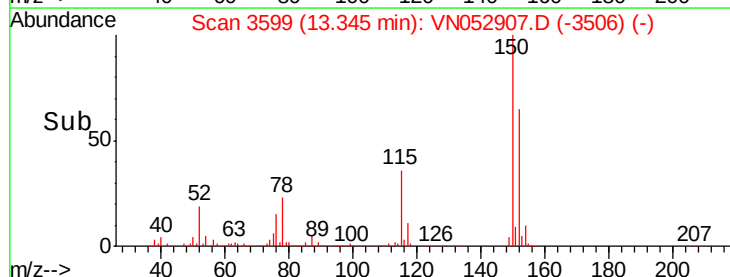
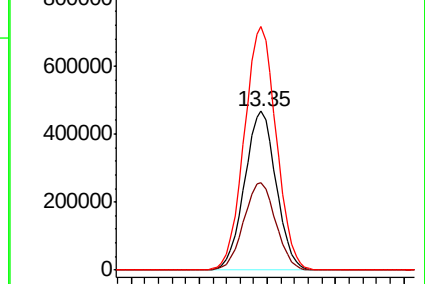
150 155.7 0.0 347.8

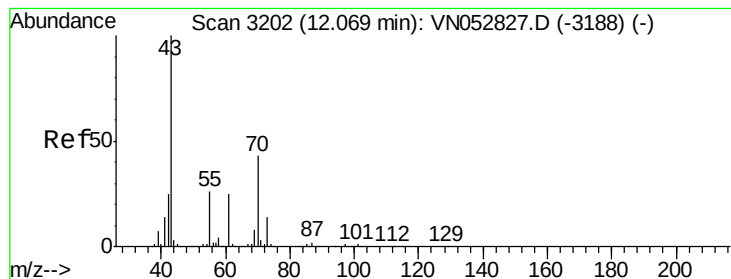


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.705 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 41450

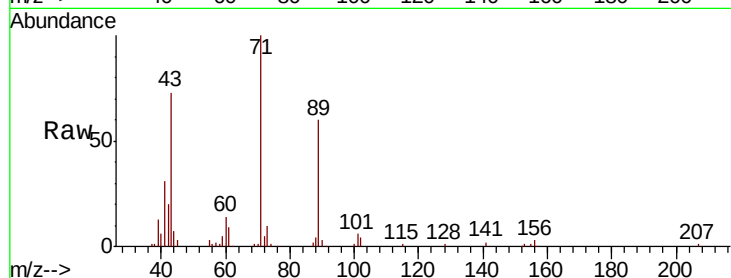
Ion Ratio Lower Upper

43 100

70 0.8 34.2 51.4#

55 4.8 20.3 30.5#

61 11.2 20.0 30.0#

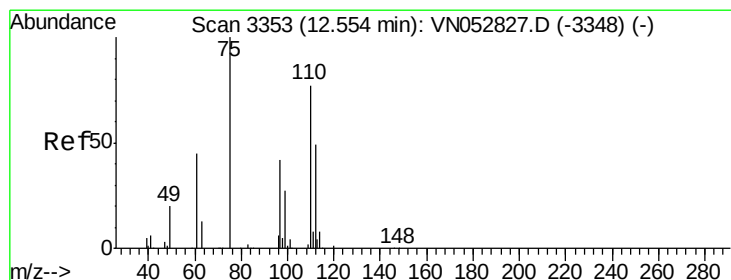
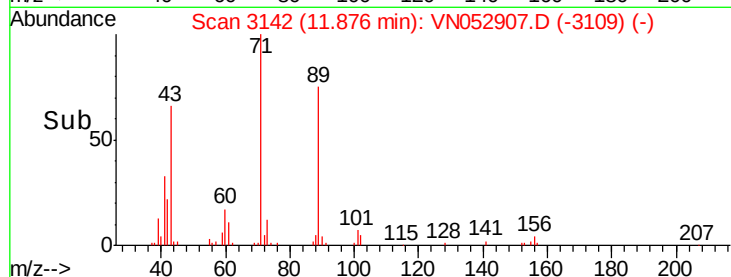
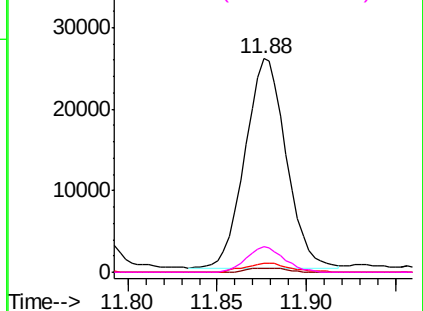


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 35.223 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052907.D

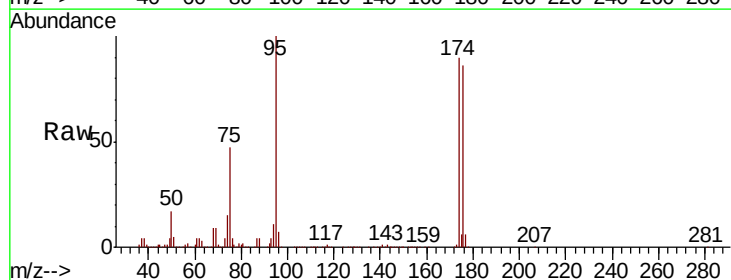
Acq: 14 Dec 2018 23:32

Tgt Ion: 75 Resp: 388535

Ion Ratio Lower Upper

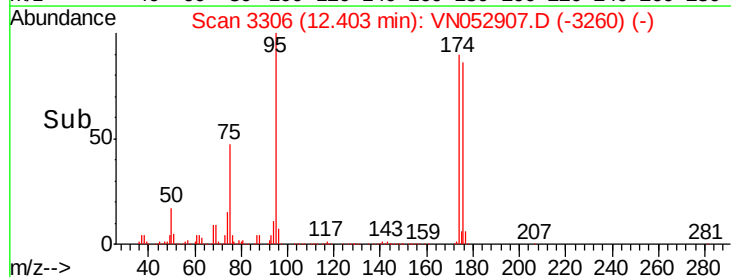
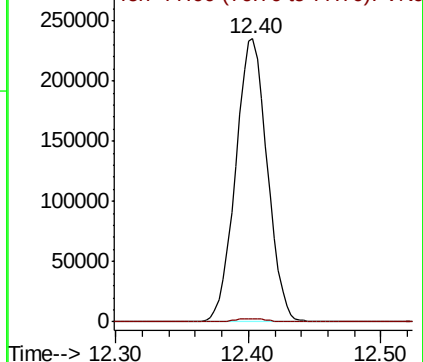
75 100

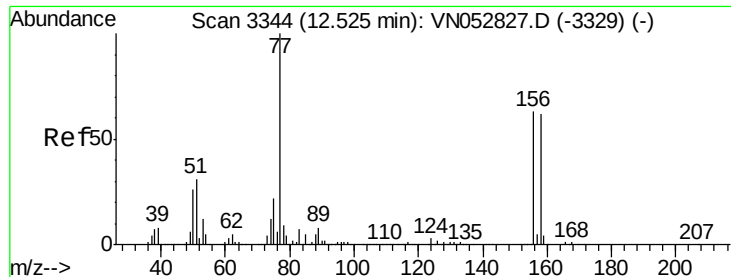
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.654 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.03 min

Lab File: VN052907.D

Acq: 14 Dec 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

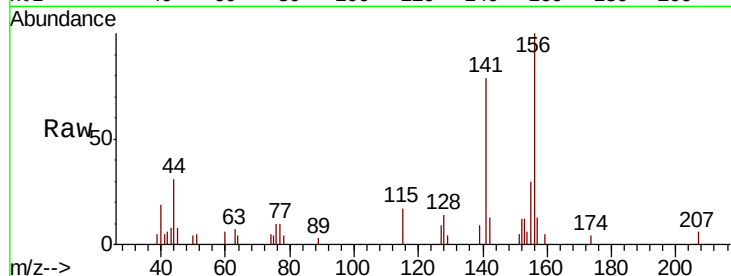
Tot Ion:156 Resp: 23487

Ion Ratio Lower Upper

156 100

77 0.9 91.3 273.8#

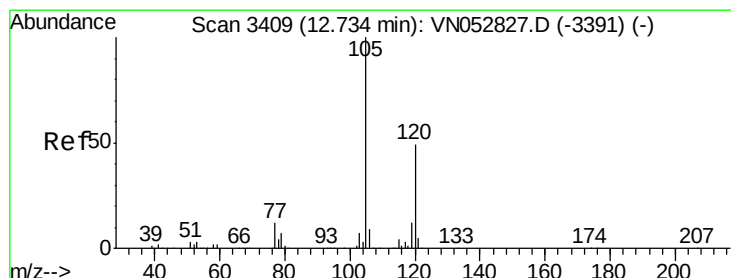
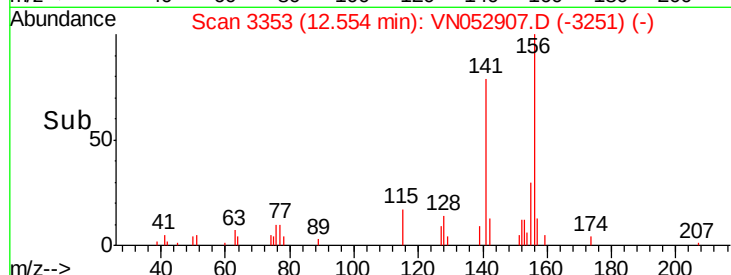
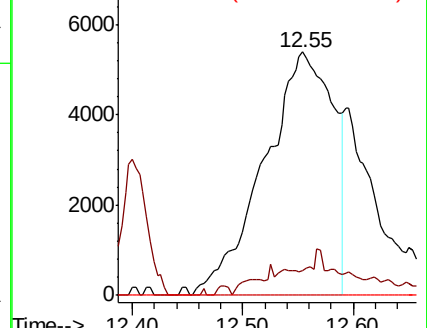
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.254 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052907.D

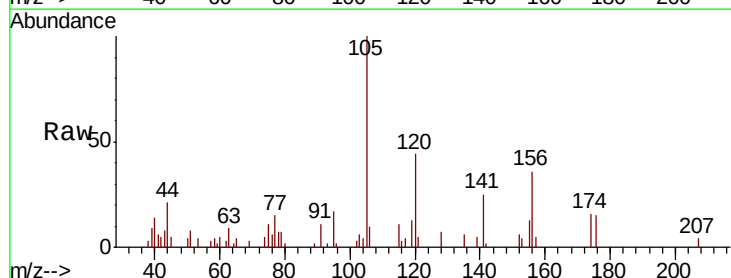
Acq: 14 Dec 2018 23:32

Tgt Ion:105 Resp: 11450

Ion Ratio Lower Upper

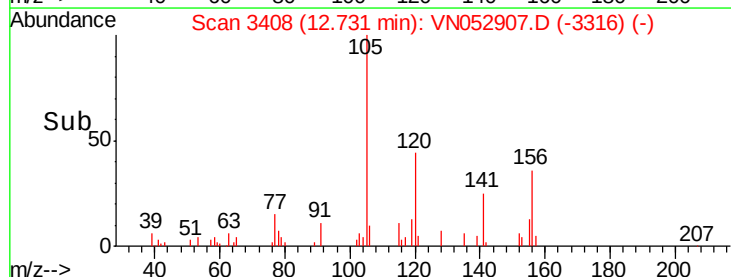
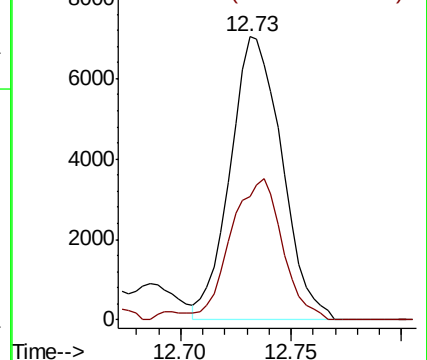
105 100

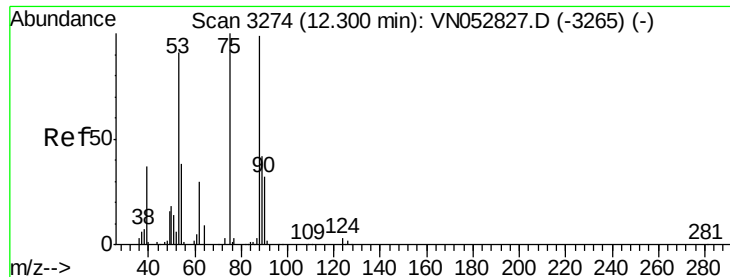
120 49.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

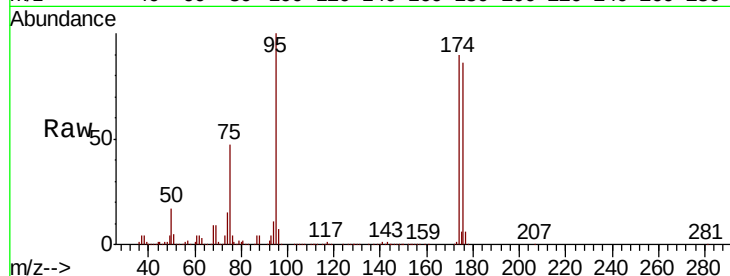




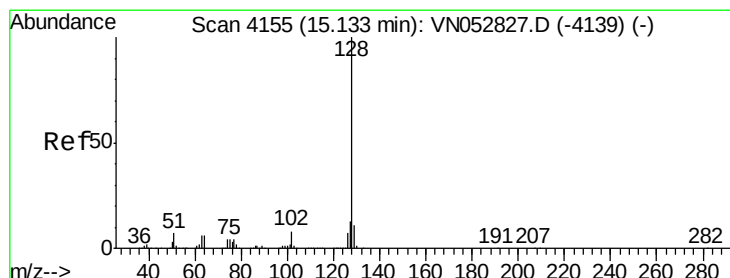
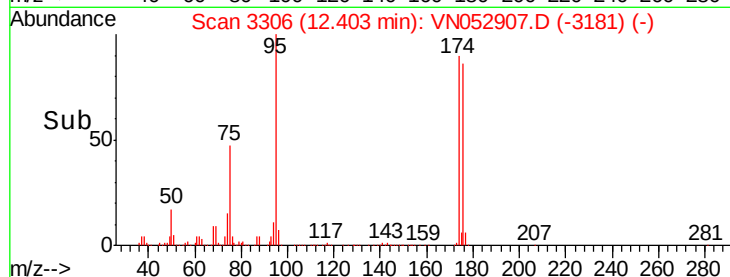
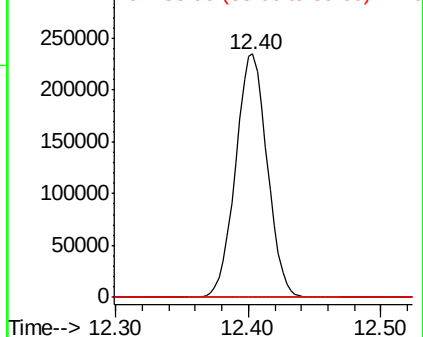
#81
trans-1,4-Dichloro-2-butene
Concen: 113.153 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 388535
Ion Ratio Lower Upper
75 100
53 0.0 74.7 112.1#
89 0.0 36.1 54.1#

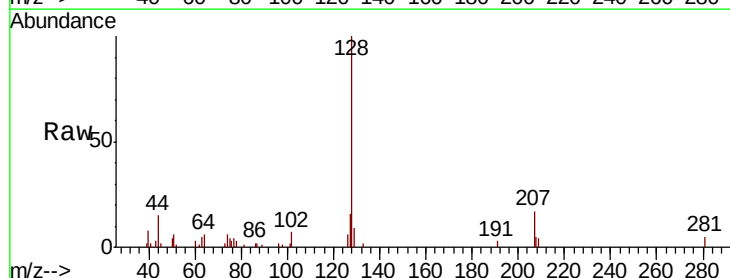


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#95
Naphthalene
Concen: 0.857 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052907.D
Acq: 14 Dec 2018 23:32

Tgt Ion:128 Resp: 23427
Ion Ratio Lower Upper
128 100
127 14.3 10.2 15.4
129 10.7 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

