

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111518\
 Data File : VN052346.D
 Acq On : 15 Nov 2018 17:06
 Operator : MD\SY
 Sample : J5942-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 02:53:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	320437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	540793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	460139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157020	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	225892	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
35) Dibromofluoromethane	7.59	113	178490	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	10.09	98	684437	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	192698	42.69	ug/l	0.00
Spiked Amount			Recovery	=	85.38%	

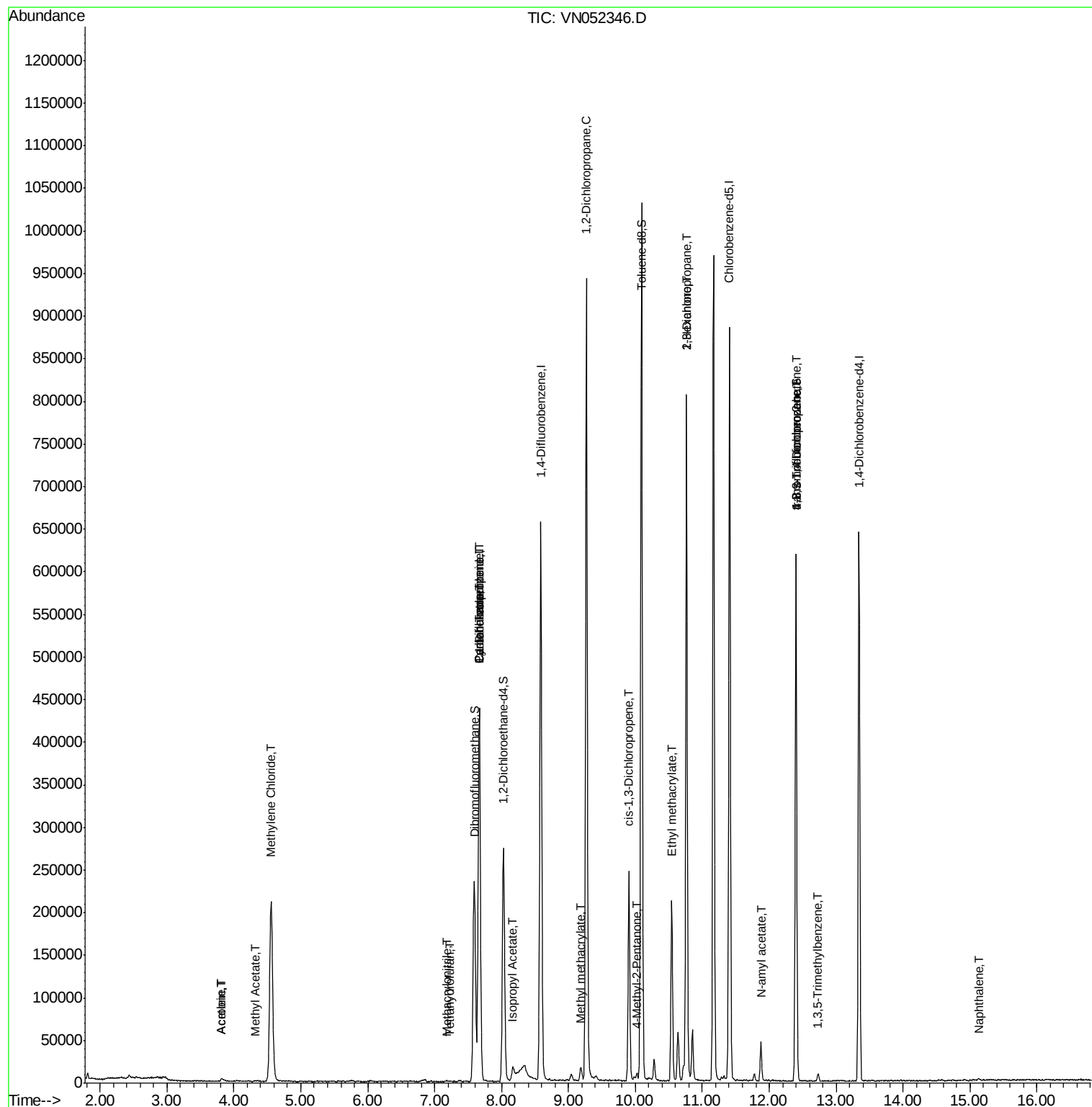
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.82	56	64	21.932	ug/l #	14
16) Acetone	3.82	43	5126	4.114	ug/l #	84
18) Methyl Acetate	4.33	43	550	0.588	ug/l #	83
20) Methylene Chloride	4.56	84	141699	37.199	ug/l	97
29) Tetrahydrofuran	7.22	42	433	0.376	ug/l #	81
31) Cyclohexane	7.67	56	9835	0.377	ug/l #	36
36) 1,1-Dichloropropene	7.66	75	29579	5.457	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33716	6.770	ug/l #	16
41) Methacrylonitrile	7.18	41	143	3.756	ug/l #	100
43) Isopropyl Acetate	8.17	43	26478	3.488	ug/l #	87
45) 1,2-Dichloropropane	9.27	63	1088	0.248	ug/l #	44
48) Methyl methacrylate	9.18	41	7064	1.834	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	7431	1.945	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	36902	6.148	ug/l #	71
56) Ethyl methacrylate	10.54	69	987	0.223	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7651	1.286	ug/l #	43
59) 2-Hexanone	10.76	43	130138	49.516	ug/l #	55
74) N-amyl acetate	11.88	43	15177	3.375	ug/l #	59
76) 1,2,3-Trichloropropane	12.40	75	110770	41.575	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.72	105	4078	0.406	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	110770	134.844	ug/l #	5
95) Naphthalene	15.13	128	1735	2.900	ug/l #	72

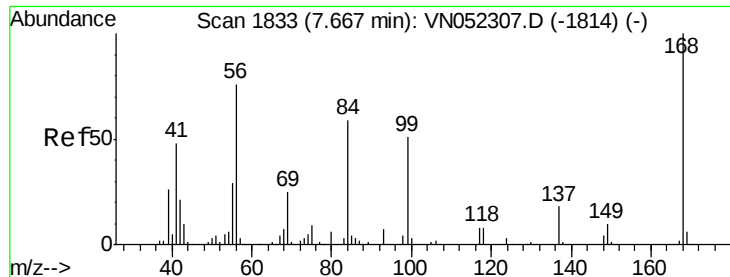
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111518\
Data File : VN052346.D
Acq On : 15 Nov 2018 17:06
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Sample : J5942-12
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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Quant Time: Nov 16 02:53:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
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: VN052346.D

Acq: 15 Nov 2018 17:06

Instrument :

MSVOA_N

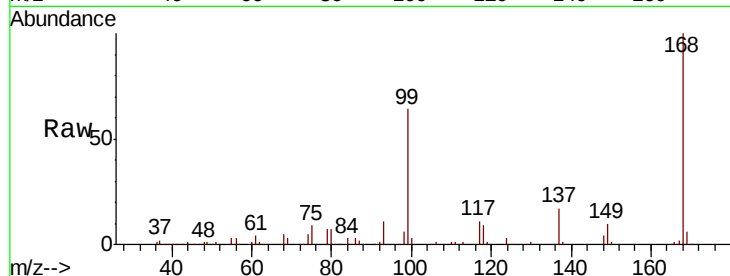
ClientSampleId :

Tot Ion:168 Resp: 320437

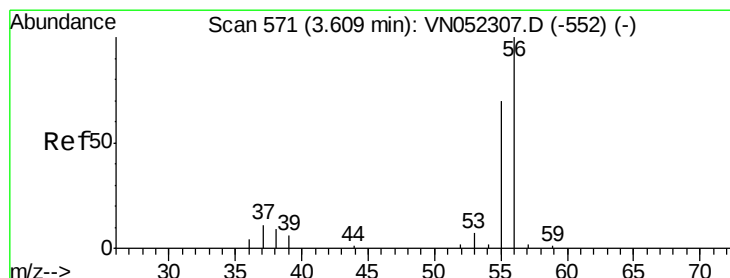
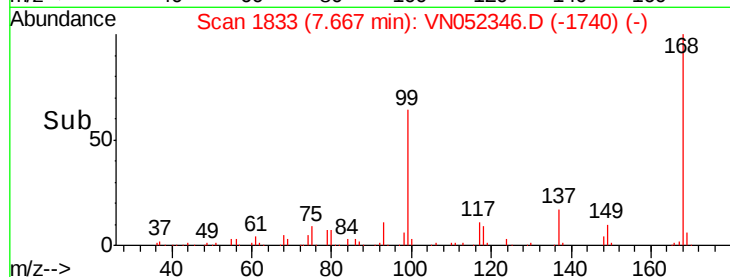
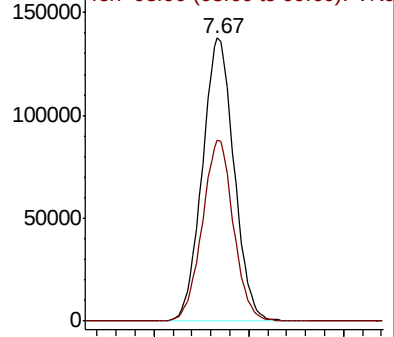
Ion Ratio Lower Upper

168 100

99 63.9 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)



#13

Acrolein

Concen: 21.932 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.22 min

Lab File: VN052346.D

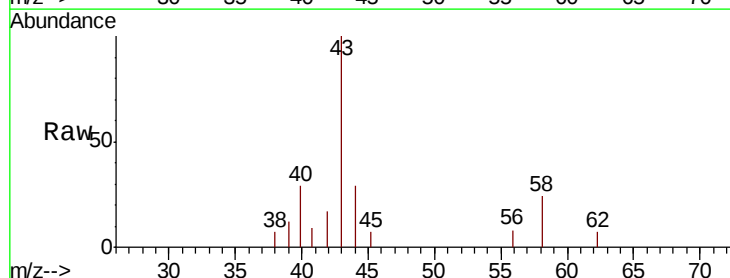
Acq: 15 Nov 2018 17:06

Tgt Ion: 56 Resp: 64

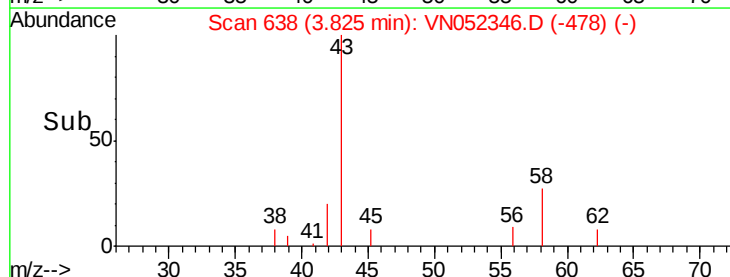
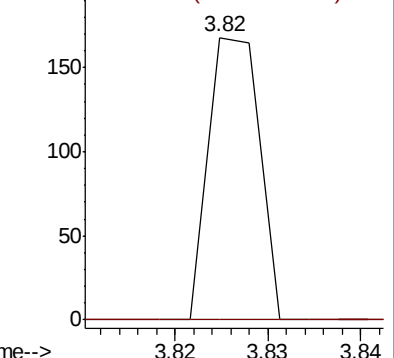
Ion Ratio Lower Upper

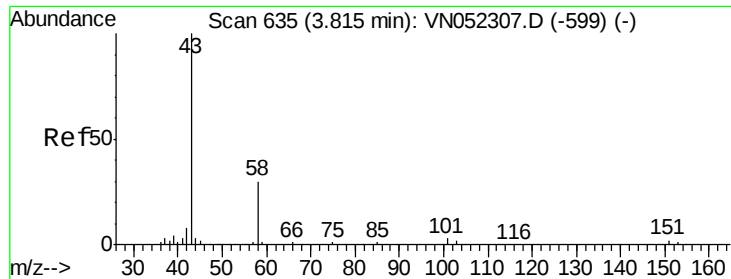
56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-552) (-)





#16

Acetone

Concen: 4.114 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052346.D

Acq: 15 Nov 2018 17:06

Instrument :

MSVOA_N

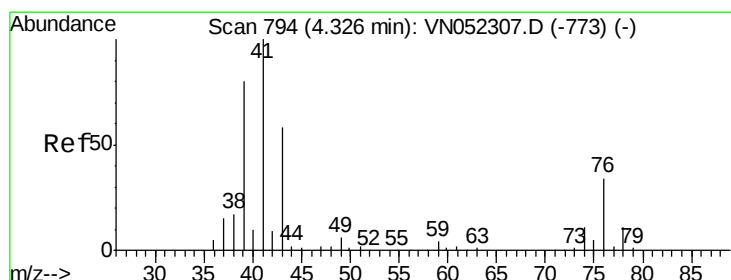
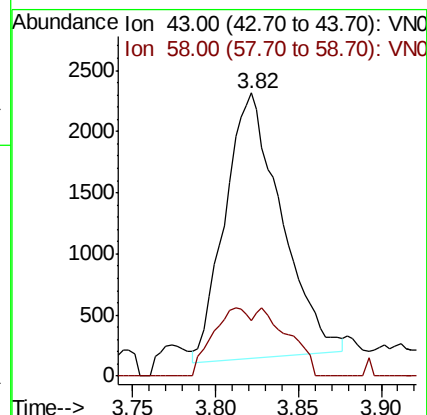
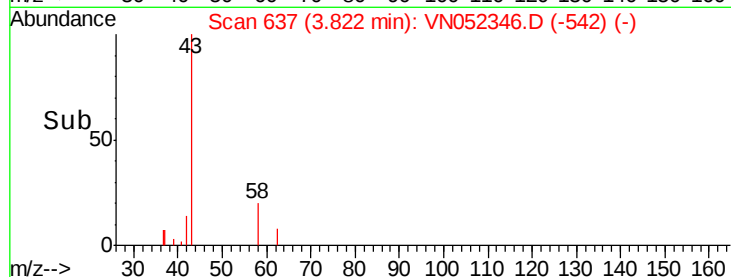
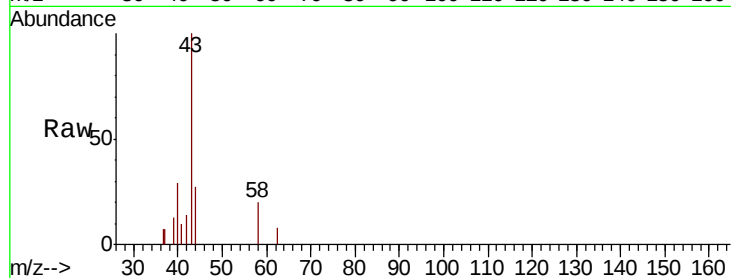
ClientSampled :

Tot Ion: 43 Resp: 5126

Ion Ratio Lower Upper

43 100

58 21.6 24.2 36.4#



#18

Methyl Acetate

Concen: 0.588 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052346.D

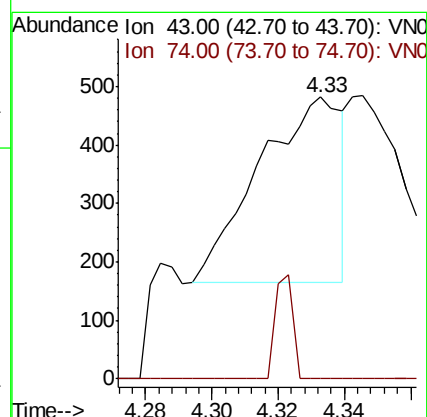
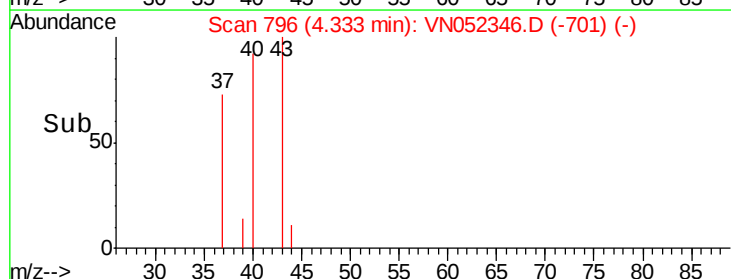
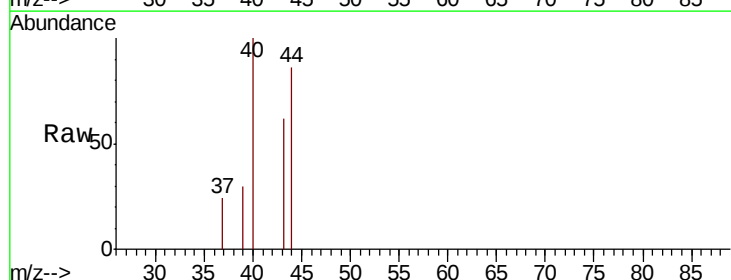
Acq: 15 Nov 2018 17:06

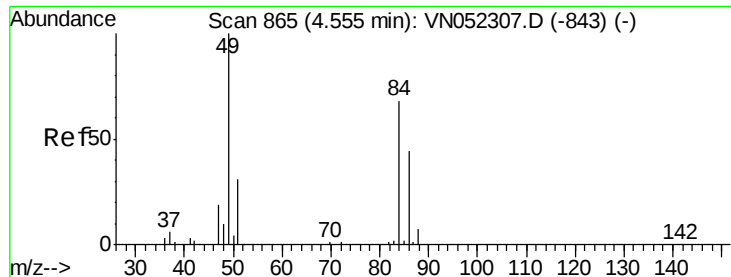
Tgt Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

74 12.0 15.9 23.9#

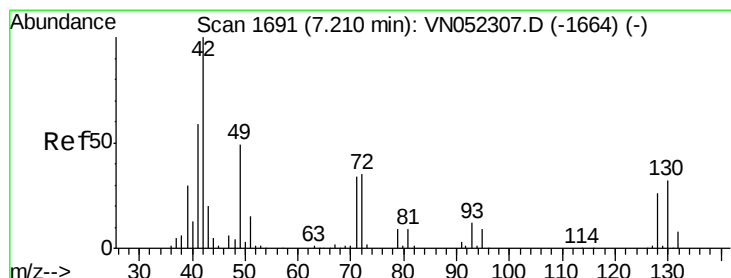
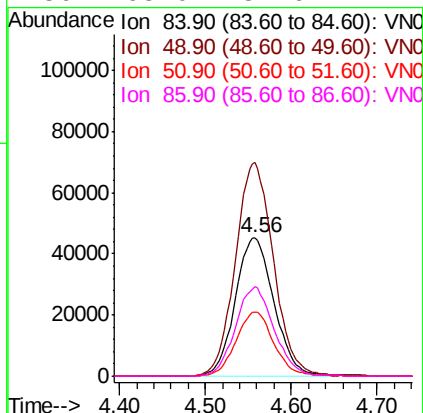
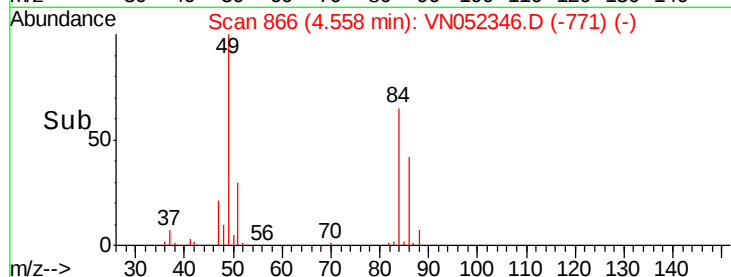
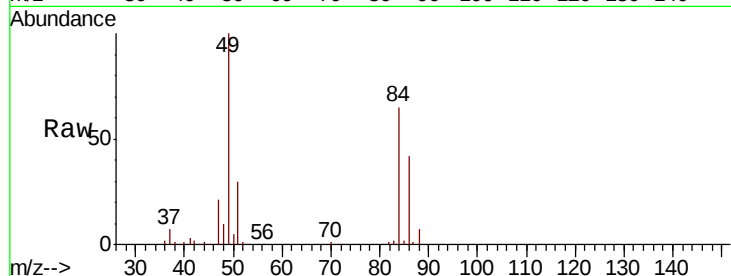




#20
Methvlene Chloride
Concen: 37.199 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

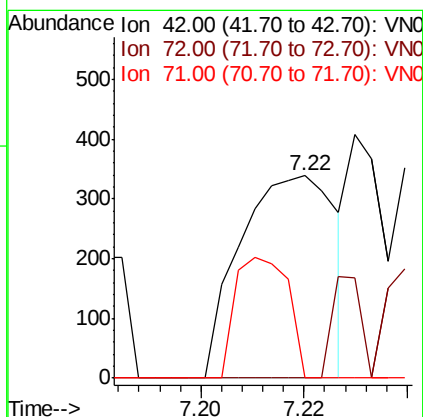
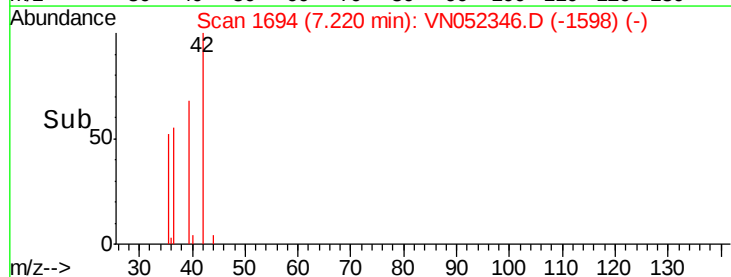
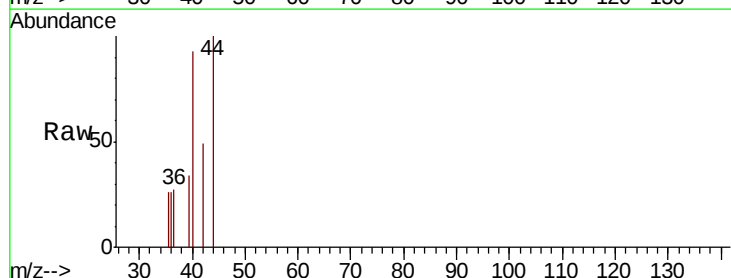
Instrument :
MSVOA_N
ClientSampled :

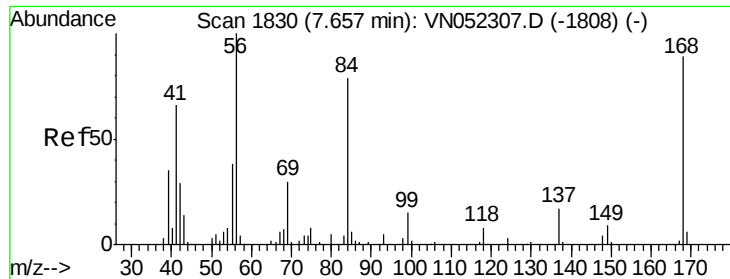
Tot Ion: 84 Resp: 141699
Ion Ratio Lower Upper
84 100
49 154.1 118.2 177.2
51 46.5 36.1 54.1
86 65.0 51.6 77.4



#29
Tetrahydrofuran
Concen: 0.376 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

Tgt Ion: 42 Resp: 433
Ion Ratio Lower Upper
42 100
72 15.0 28.6 42.8#
71 33.0 26.7 40.1

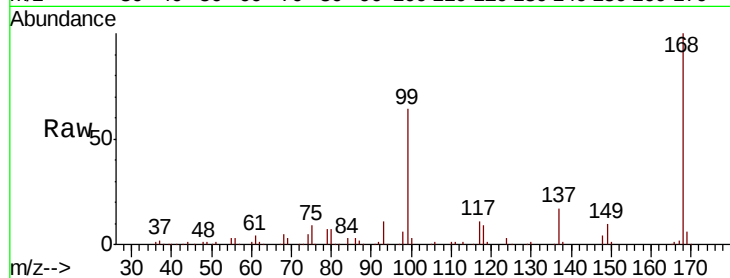




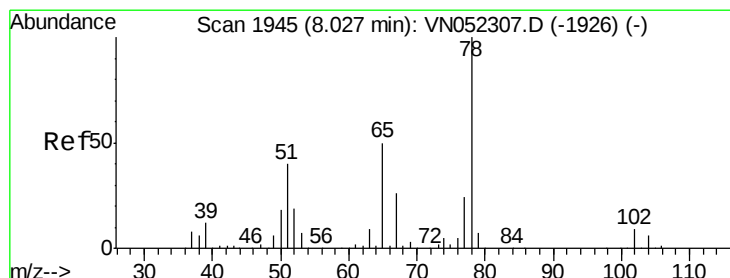
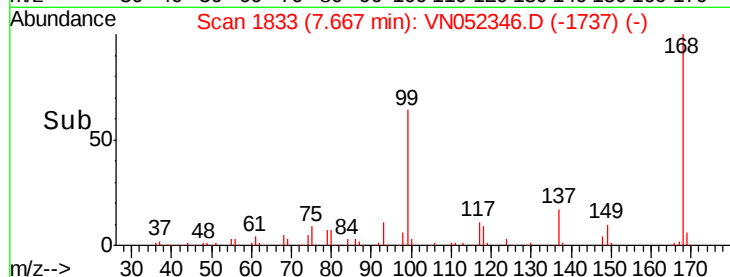
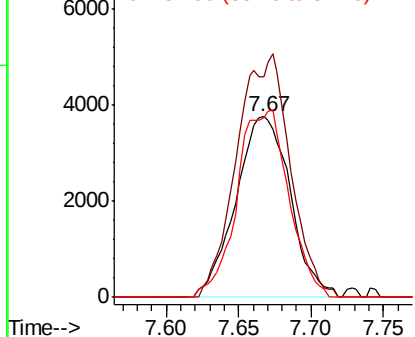
#31
Cyclohexane
Concen: 0.377 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9835
Ion Ratio Lower Upper
56 100
69 122.3 23.8 35.8#
84 99.8 63.0 94.6#

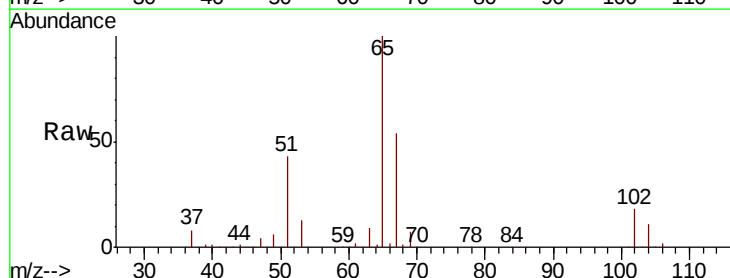


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

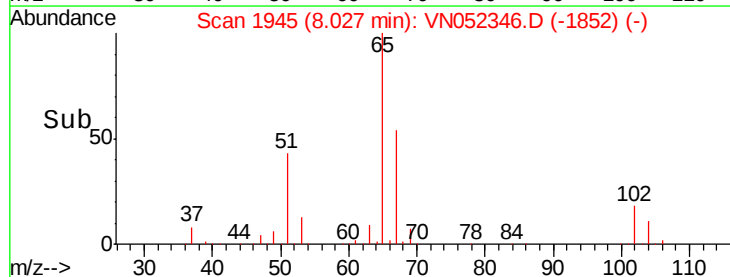
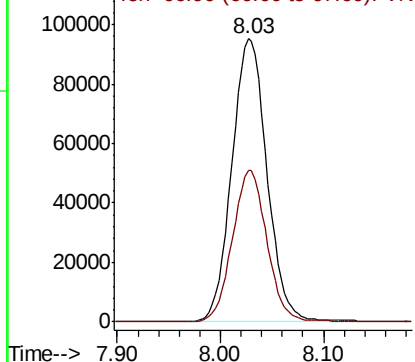


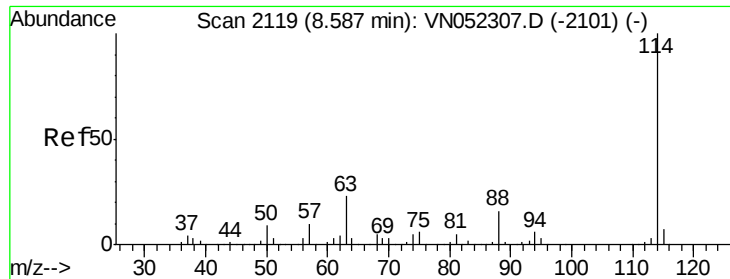
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

Tgt Ion: 65 Resp: 225892
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

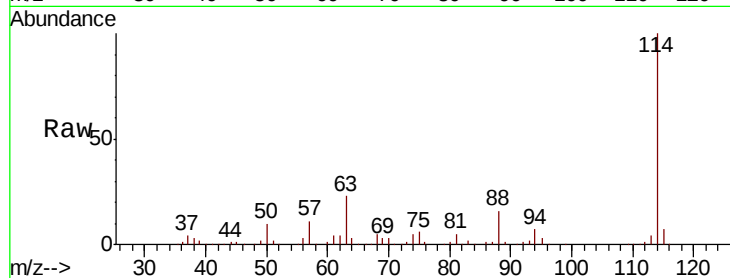




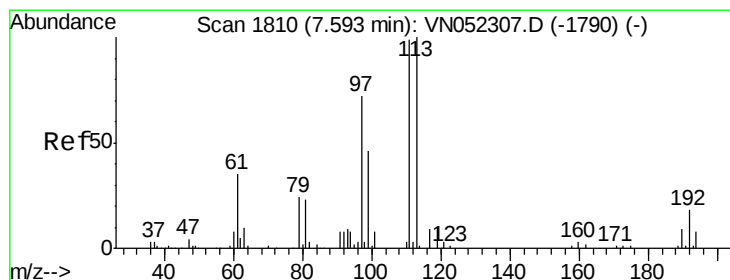
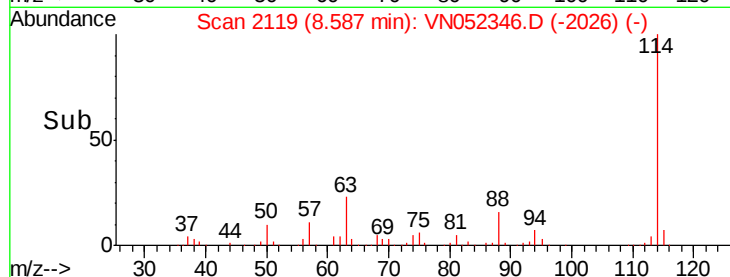
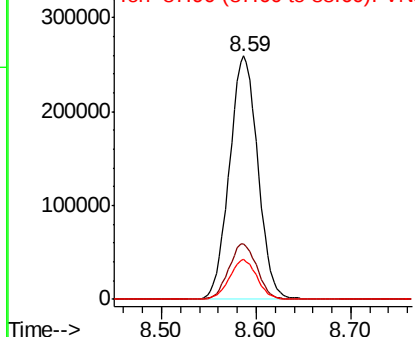
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 540793
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.4
 88 16.2 0.0 31.2

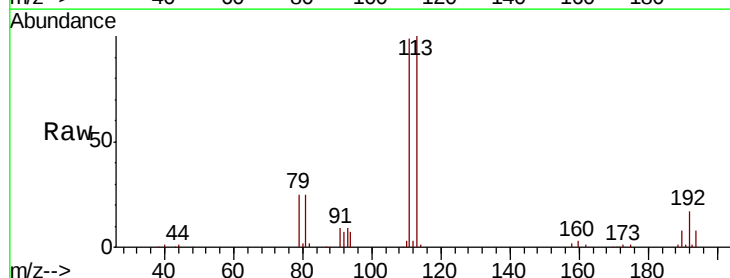


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

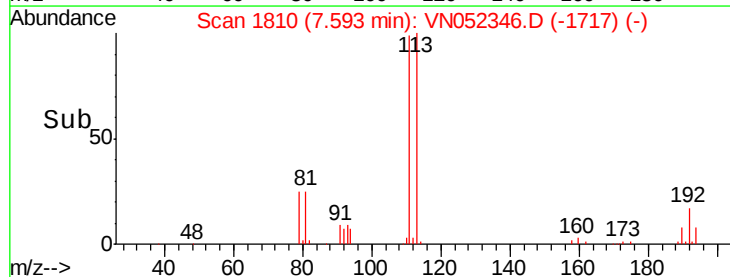
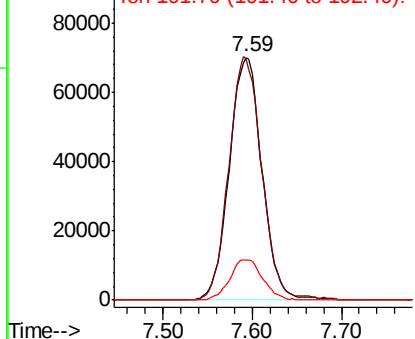


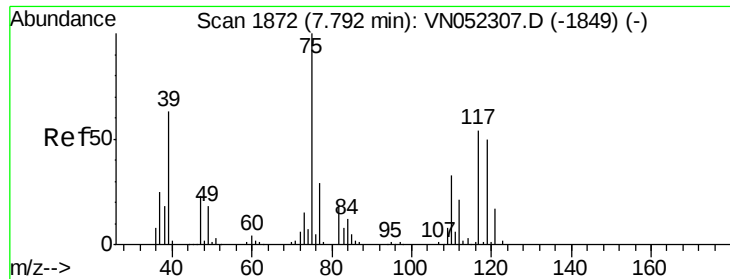
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Tgt Ion:113 Resp: 178490
 Ion Ratio Lower Upper
 113 100
 111 99.5 81.0 121.6
 192 16.5 13.8 20.6



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

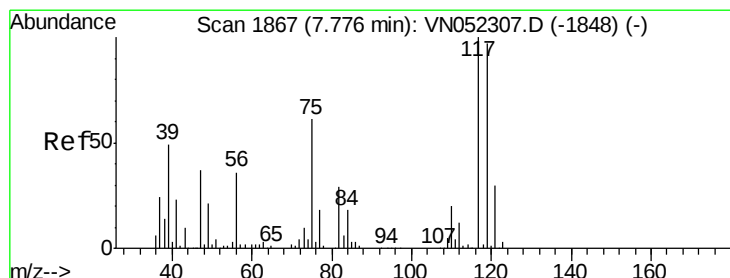
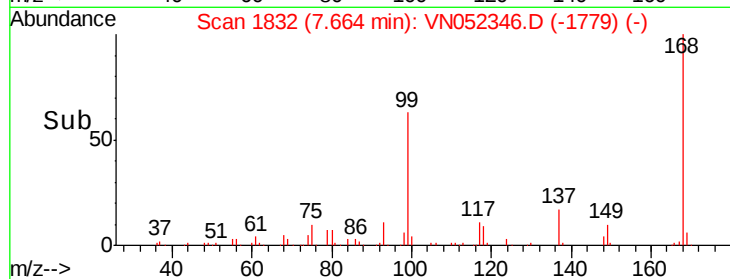
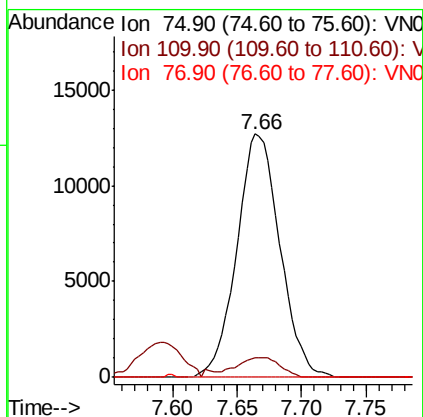
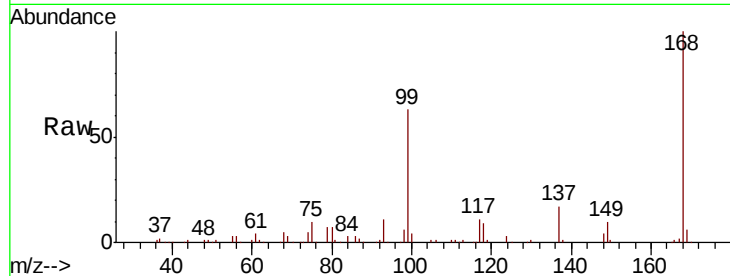




#36
 1,1-Dichloropropene
 Concen: 5.457 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

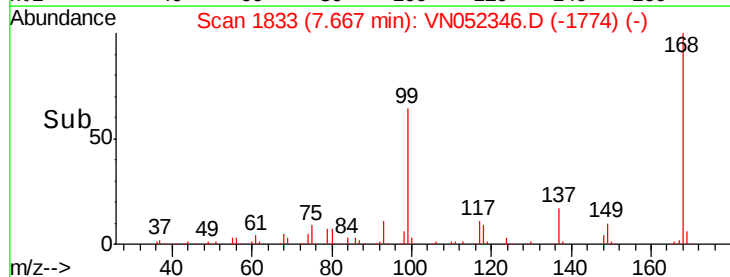
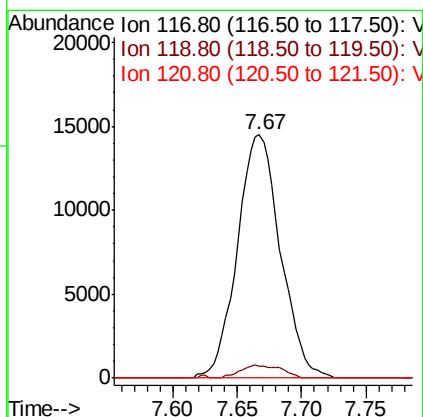
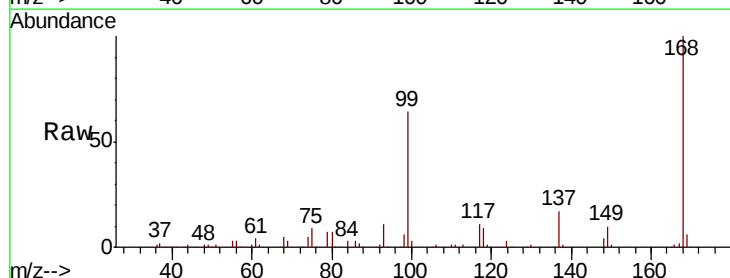
Instrument :
 MSVOA_N
 ClientSampleId :

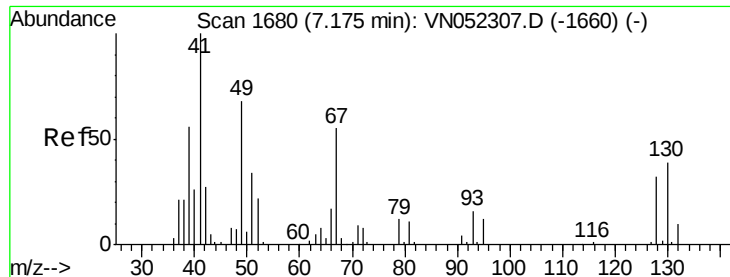
Tot Ion	75	Resp	29579
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	16.5	49.5#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.770 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Tgt Ion	117	Resp	33716
Ion Ratio	100	Lower	Upper
117	100		
119	5.1	77.4	116.0#
121	0.0	24.0	36.0#

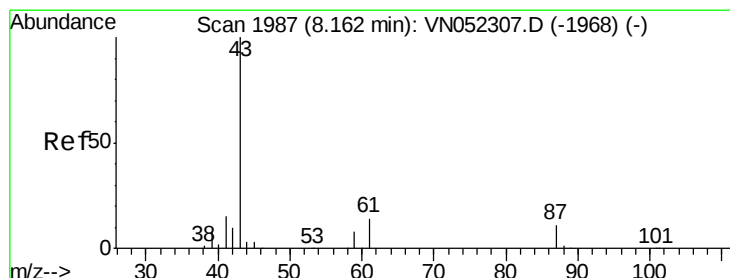
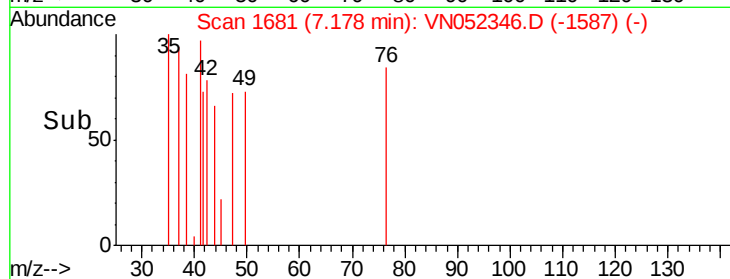
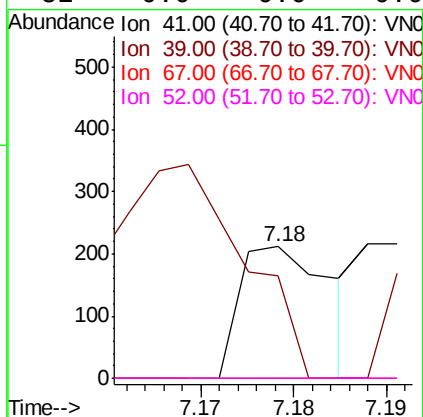
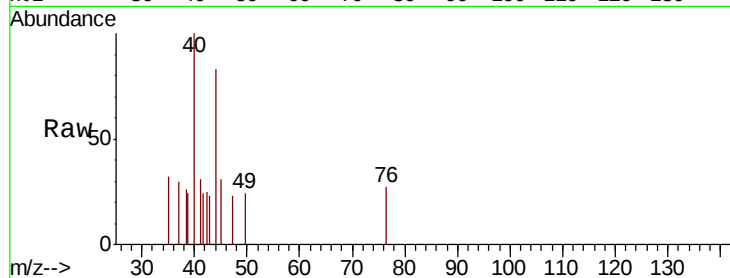




#41
Methacrylonitrile
Concen: 3.756 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

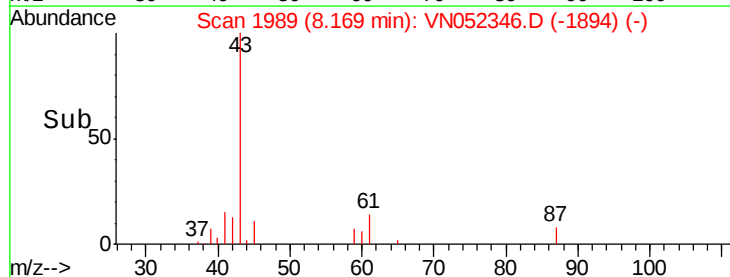
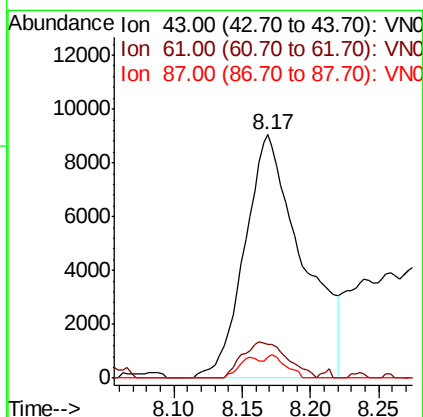
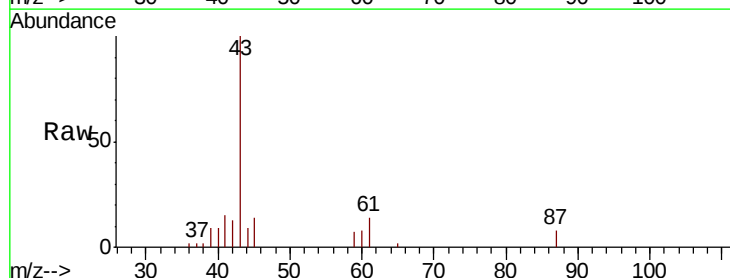
Instrument :
MSVOA_N
ClientSampled :

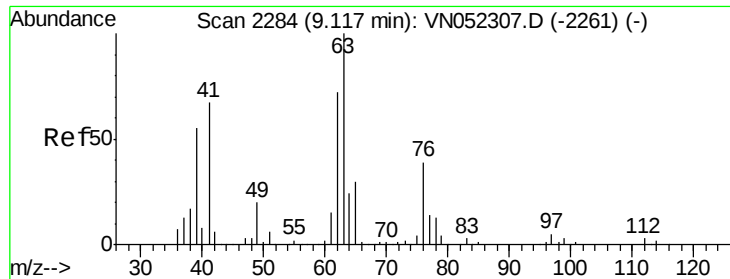
Tot Ion:	41	Resp:	143
Ion	Ratio	Lower	Upper
41	100		
39	233.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.488 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

Tgt Ion:	43	Resp:	26478
Ion	Ratio	Lower	Upper
43	100		
61	11.6	12.0	18.0#
87	3.2	8.3	12.5#

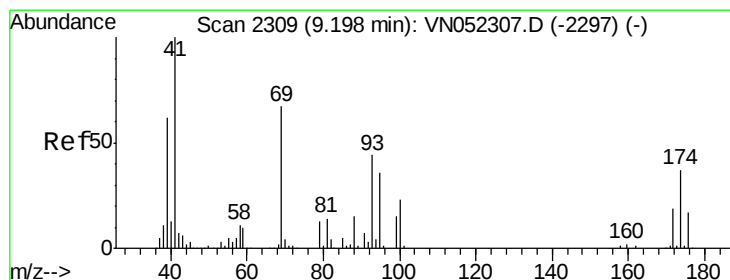
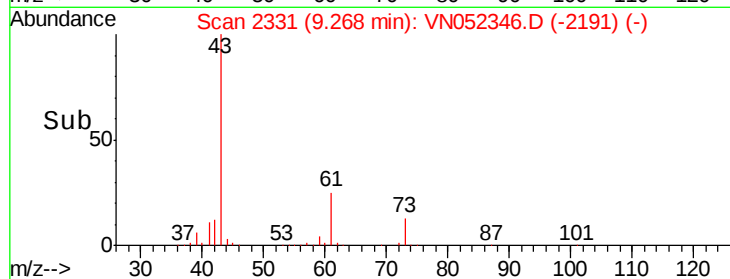
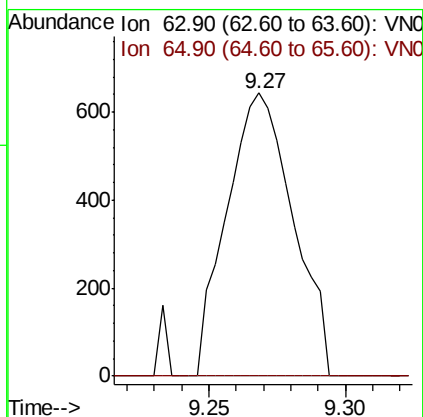
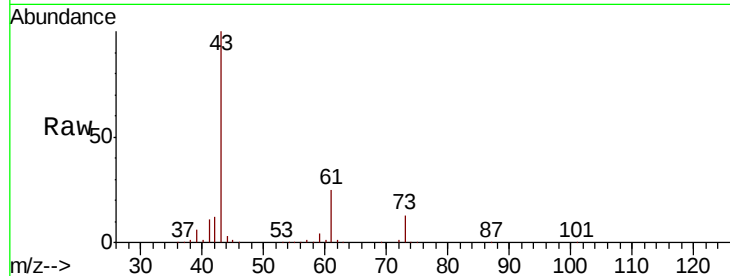




#45
 1,2-Dichloropropane
 Concen: 0.248 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

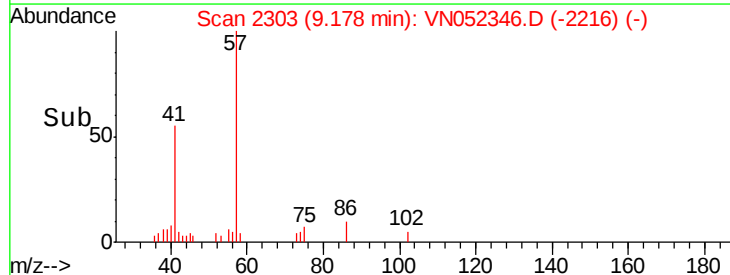
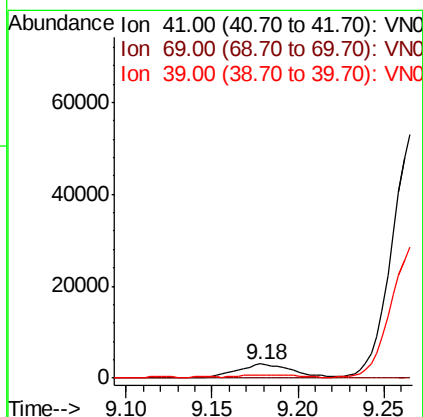
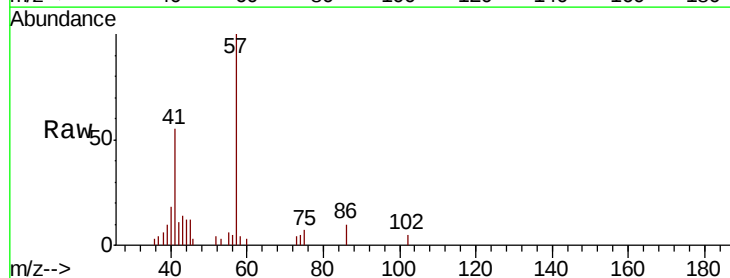
Instrument :
 MSVOA_N
 ClientSampled :

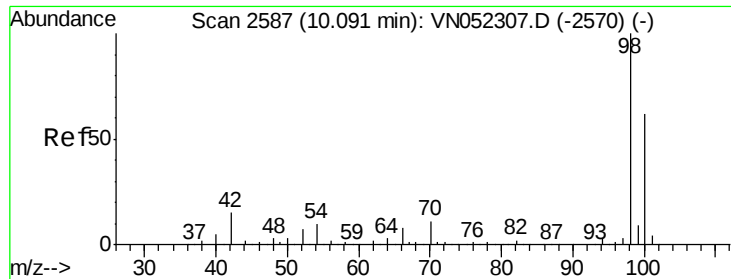
Tot Ion: 63 Resp: 1088
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.4#



#48
 Methyl methacrylate
 Concen: 1.834 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Tgt Ion: 41 Resp: 7064
 Ion Ratio Lower Upper
 41 100
 69 0.0 57.1 85.7#
 39 0.0 52.5 78.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052346.D

Acq: 15 Nov 2018 17:06

Instrument :

MSVOA_N

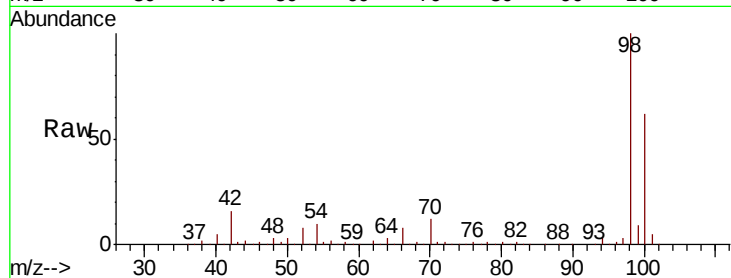
ClientSampleId :

Tot Ion: 98 Resp: 684437

Ion Ratio Lower Upper

98 100

100 62.0 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

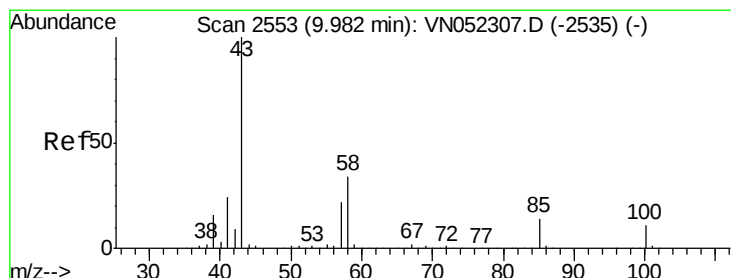
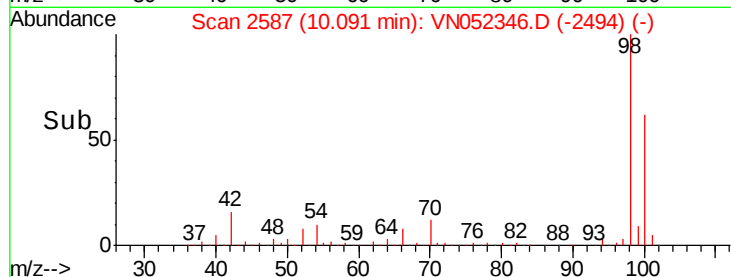
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.945 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052346.D

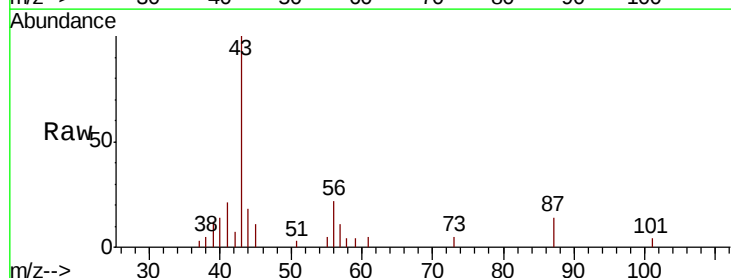
Acq: 15 Nov 2018 17:06

Tgt Ion: 43 Resp: 7431

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.02

5000

4000

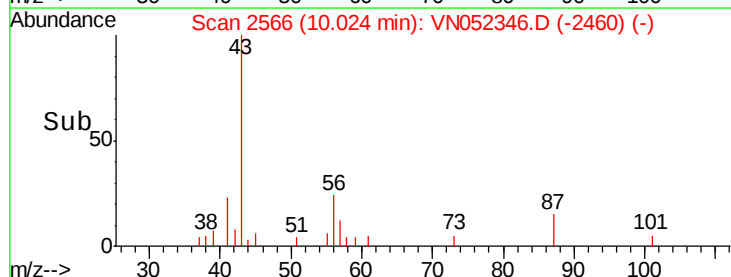
3000

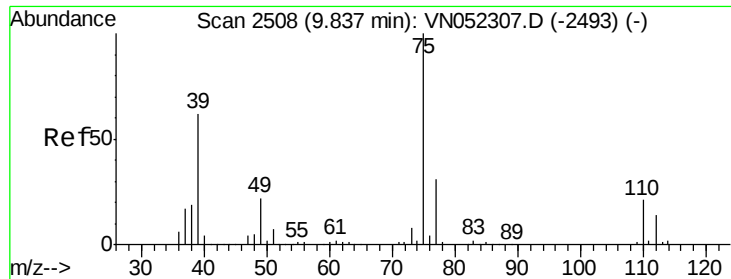
2000

1000

0

Time-->



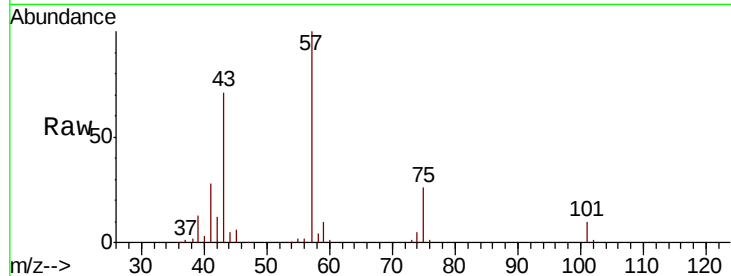


#54

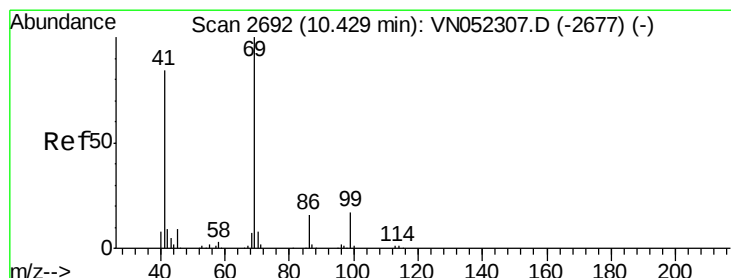
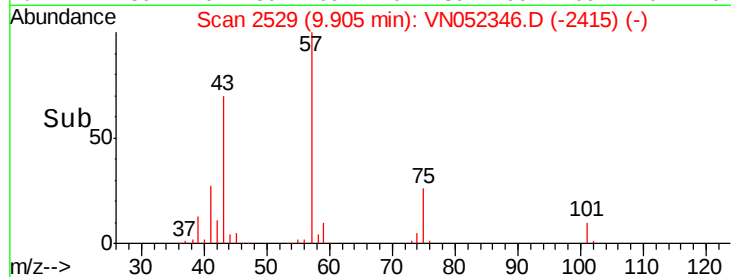
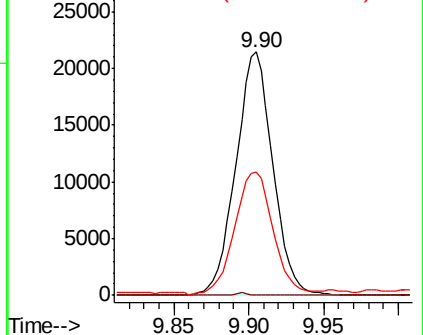
cis-1,3-Dichloropropene
 Concen: 6.148 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 36902
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 50.7 49.9 74.9



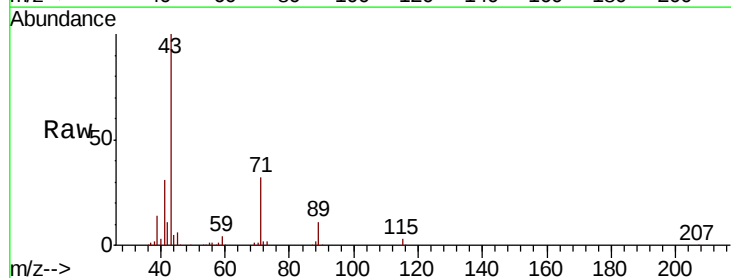
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



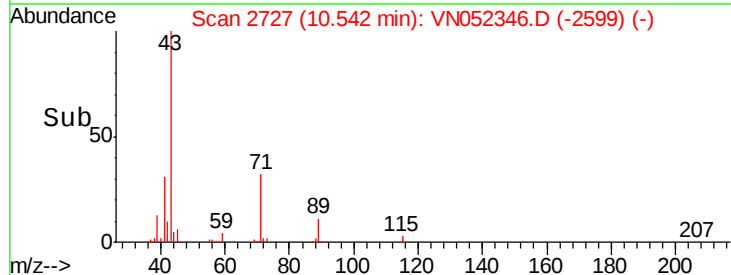
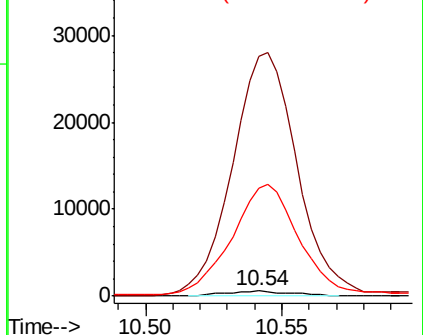
#56

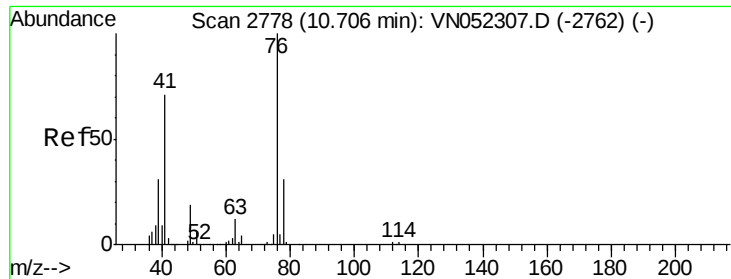
Ethyl methacrylate
 Concen: 0.223 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.11 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Tgt Ion: 69 Resp: 987
 Ion Ratio Lower Upper
 69 100
 41 4712.5 64.8 97.2#
 39 2216.2 41.0 61.6#



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

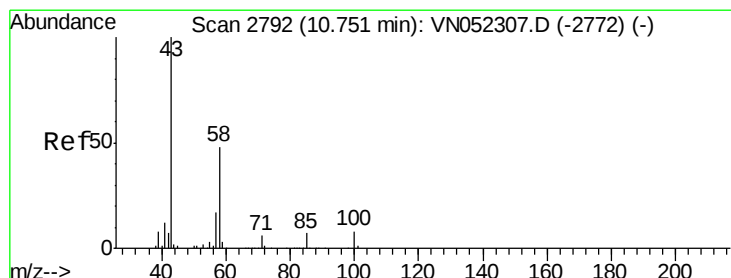
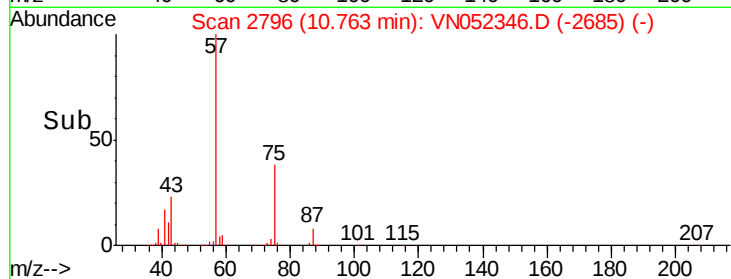
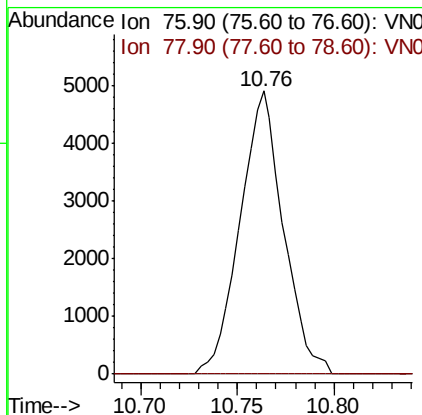
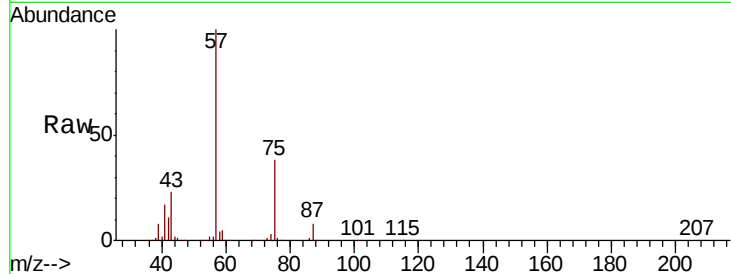




#57
 1,3-Dichloropropane
 Concen: 1.286 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

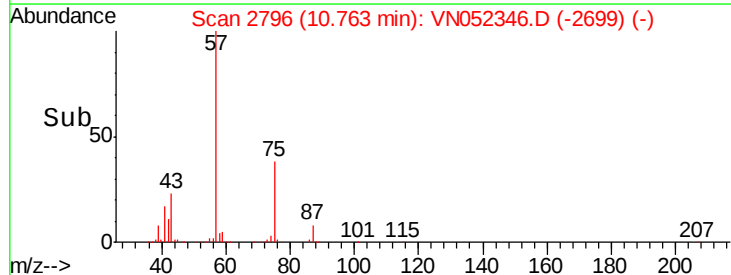
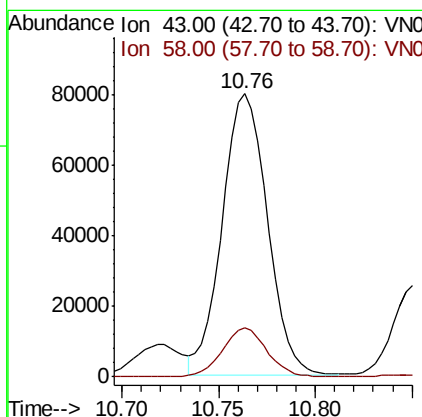
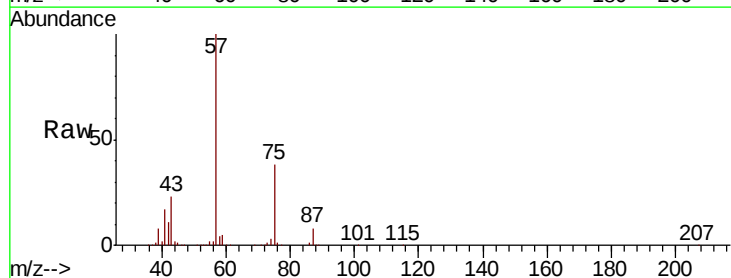
Instrument :
 MSVOA_N
 ClientSampled :

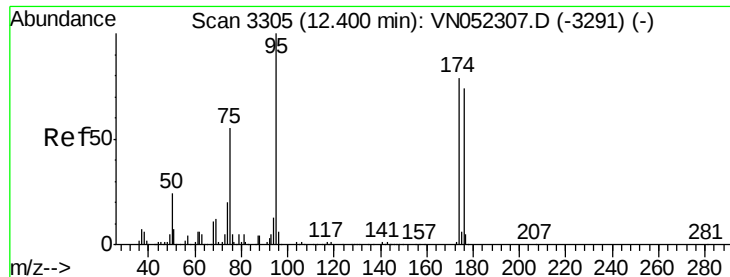
Tot Ion: 76 Resp: 7651
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 49.516 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Tgt Ion: 43 Resp: 130138
 Ion Ratio Lower Upper
 43 100
 58 17.2 23.5 70.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052346.D

Acq: 15 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampleId :

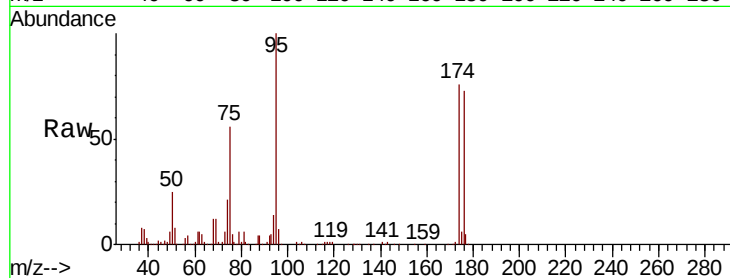
Tot Ion: 95 Resp: 192698

Ion Ratio Lower Upper

95 100

174 76.9 0.0 156.0

176 74.1 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052346.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052346.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052346.D (-2903) (-)

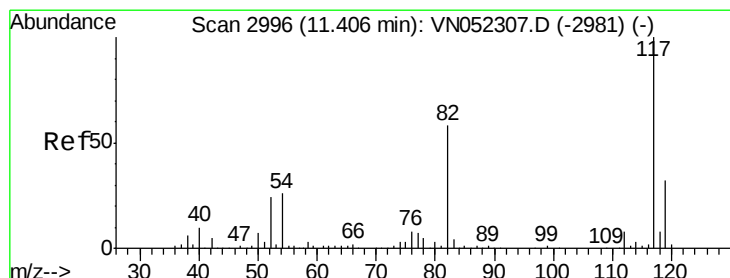
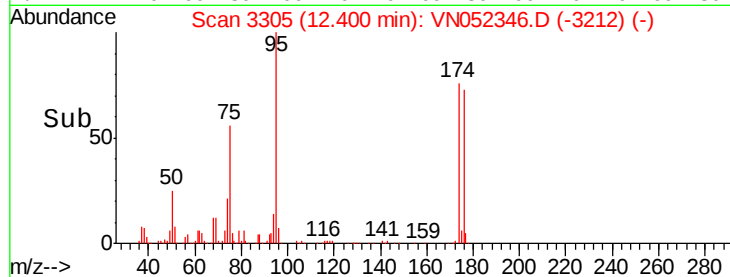
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052346.D

Acq: 15 Nov 2018 17:06

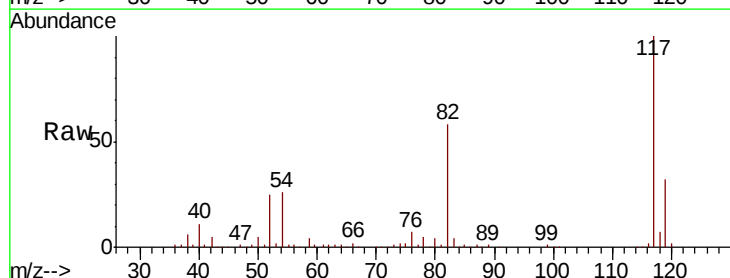
Tgt Ion: 117 Resp: 460139

Ion Ratio Lower Upper

117 100

82 58.5 46.5 69.7

119 31.7 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN052346.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052346.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052346.D (-2903) (-)

11.41

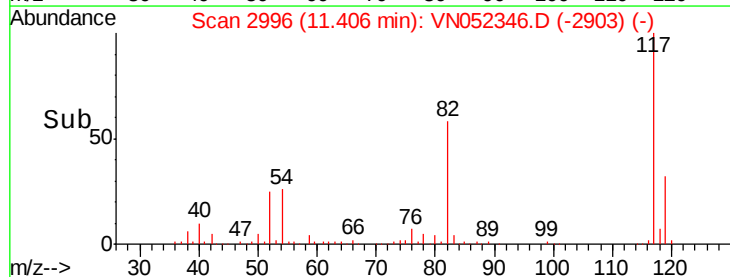
300000

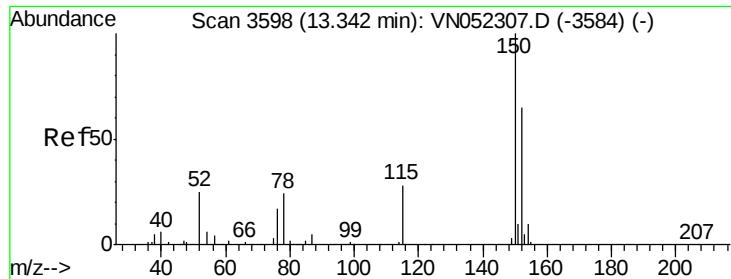
200000

100000

0

Time--> 11.30 11.40 11.50



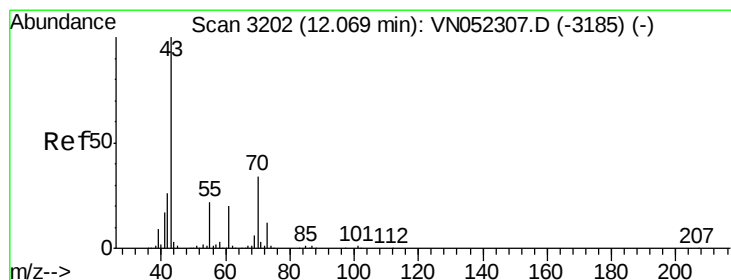
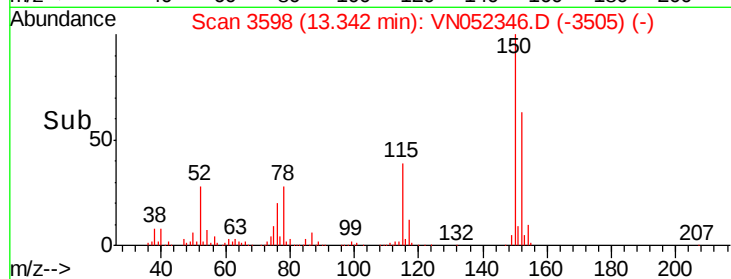
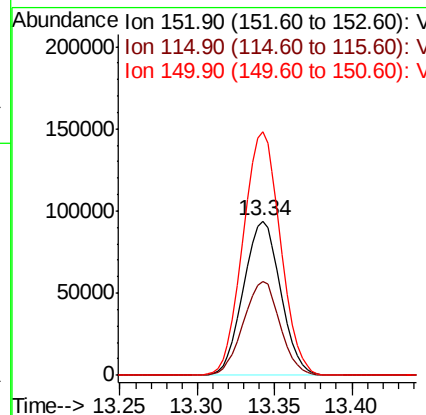
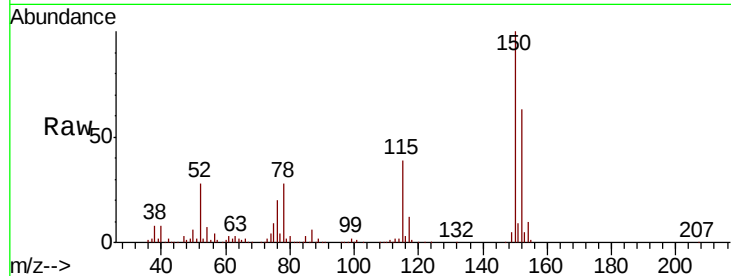


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

Instrument :
MSVOA_N
ClientSampled :

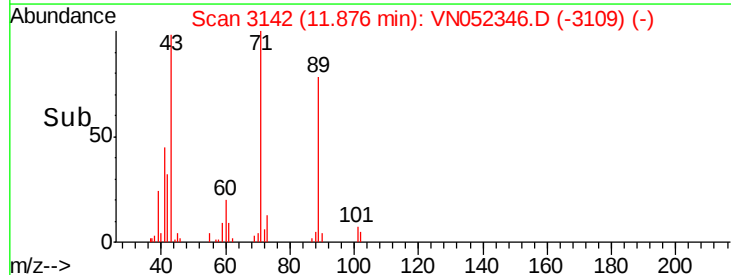
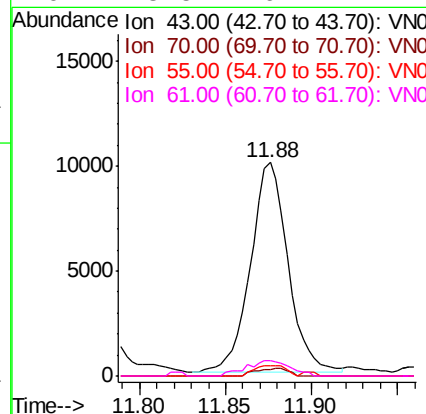
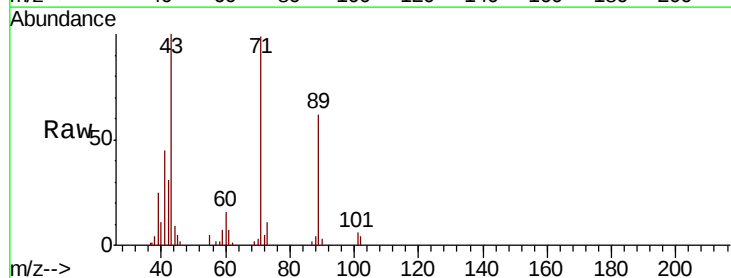
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.3	91.0
150	158.8	0.0	348.2

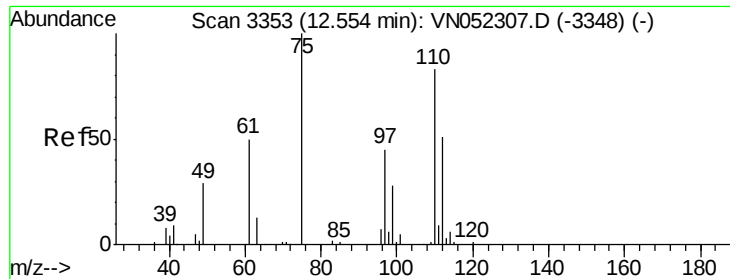


#74

N-ethyl acetate
Concen: 3.375 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN052346.D
Acq: 15 Nov 2018 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	3.1	27.1	40.7#
55	4.3	17.4	26.0#
61	8.5	16.1	24.1#

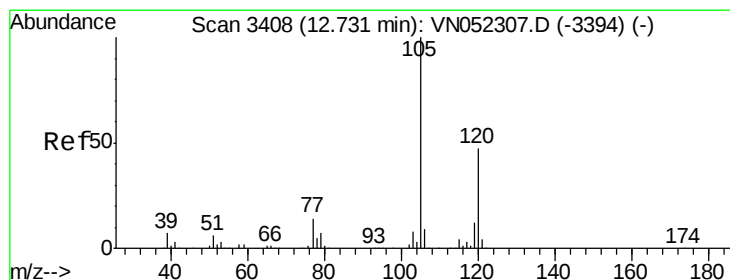
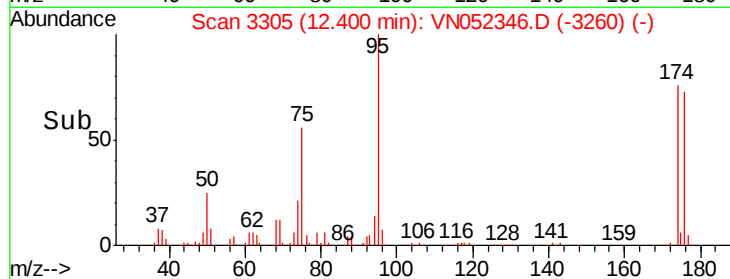
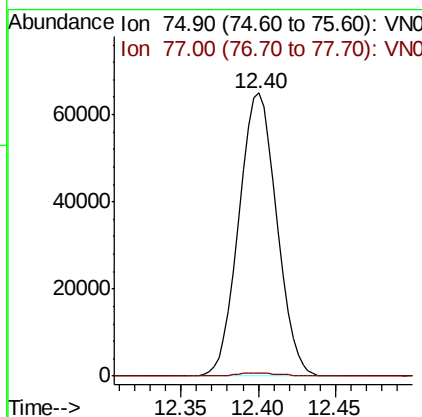
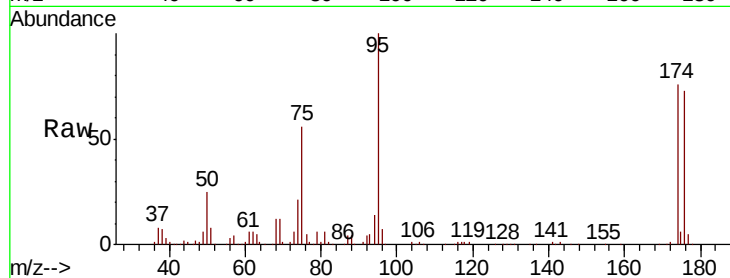




#76
 1,2,3-Trichloropropane
 Concen: 41.575 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

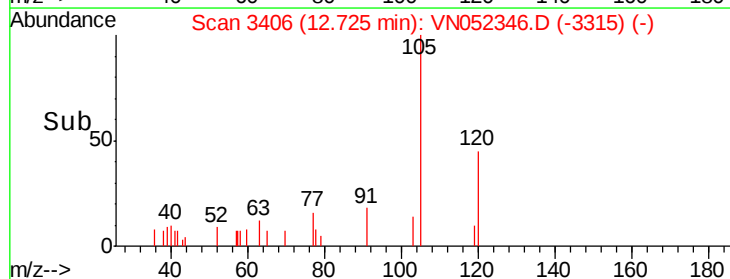
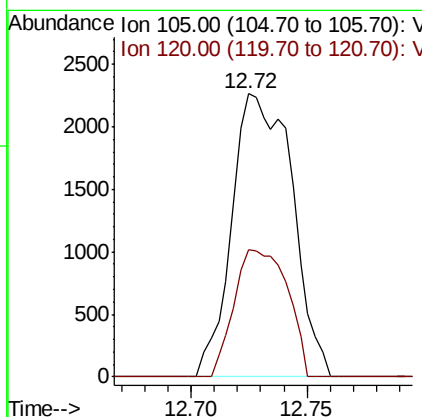
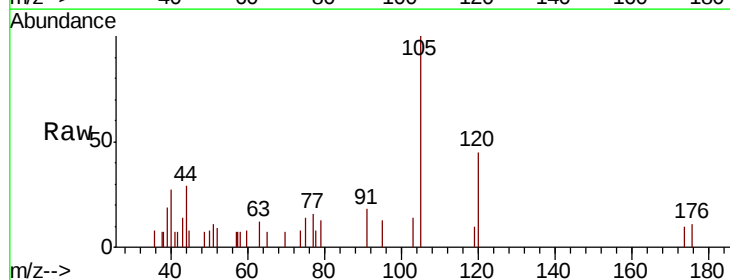
Instrument :
 MSVOA_N
 ClientSampled :

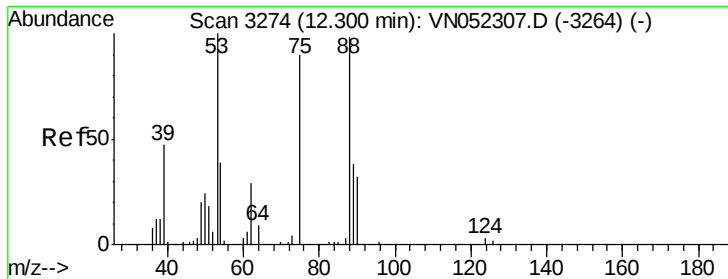
Tot Ion: 75 Resp: 110770
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.406 ug/l
 RT: 12.72 min Scan# 3406
 Delta R.T. -0.01 min
 Lab File: VN052346.D
 Acq: 15 Nov 2018 17:06

Tgt Ion: 105 Resp: 4078
 Ion Ratio Lower Upper
 105 100
 120 39.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 134.844 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052346.D

Acq: 15 Nov 2018 17:06

Instrument :

MSVOA_N

ClientSampled :

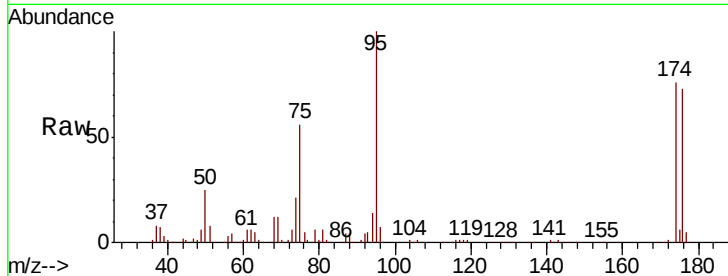
Tot Ion: 75 Resp: 110770

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

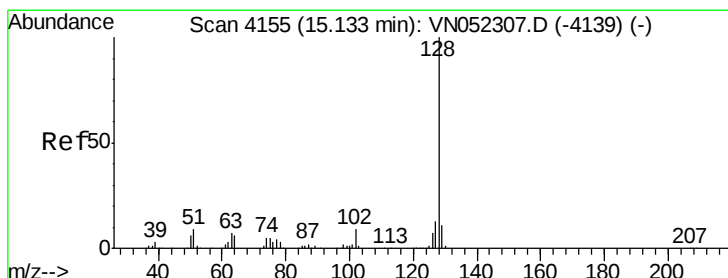
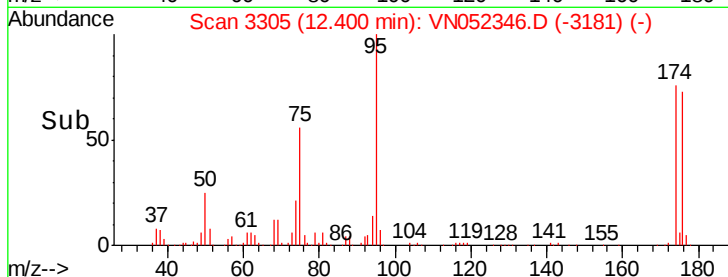
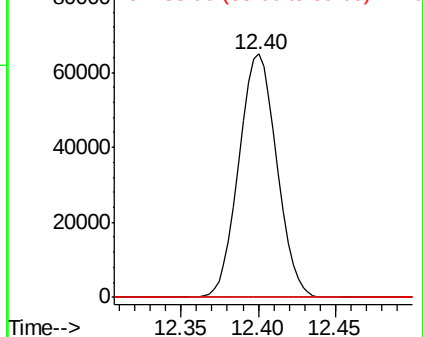
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#95

Naphthalene

Concen: 2.900 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052346.D

Acq: 15 Nov 2018 17:06

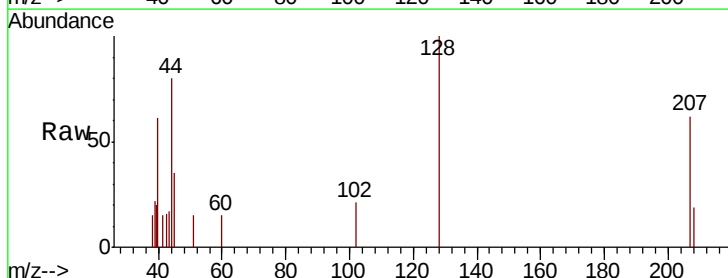
Tgt Ion: 128 Resp: 1735

Ion Ratio Lower Upper

128 100

127 1.8 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN052307.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN052307.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN052307.D (-4139) (-)

