

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052546.D
 Acq On : 29 Nov 2018 3:53
 Operator : MD\SY
 Sample : J6120-03 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Nov 29 07:12:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	177284	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	999993	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	830402	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	357500	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	12.40	95	335164	26.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.00%
63) Toluene-d8	10.09	98	1168259	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

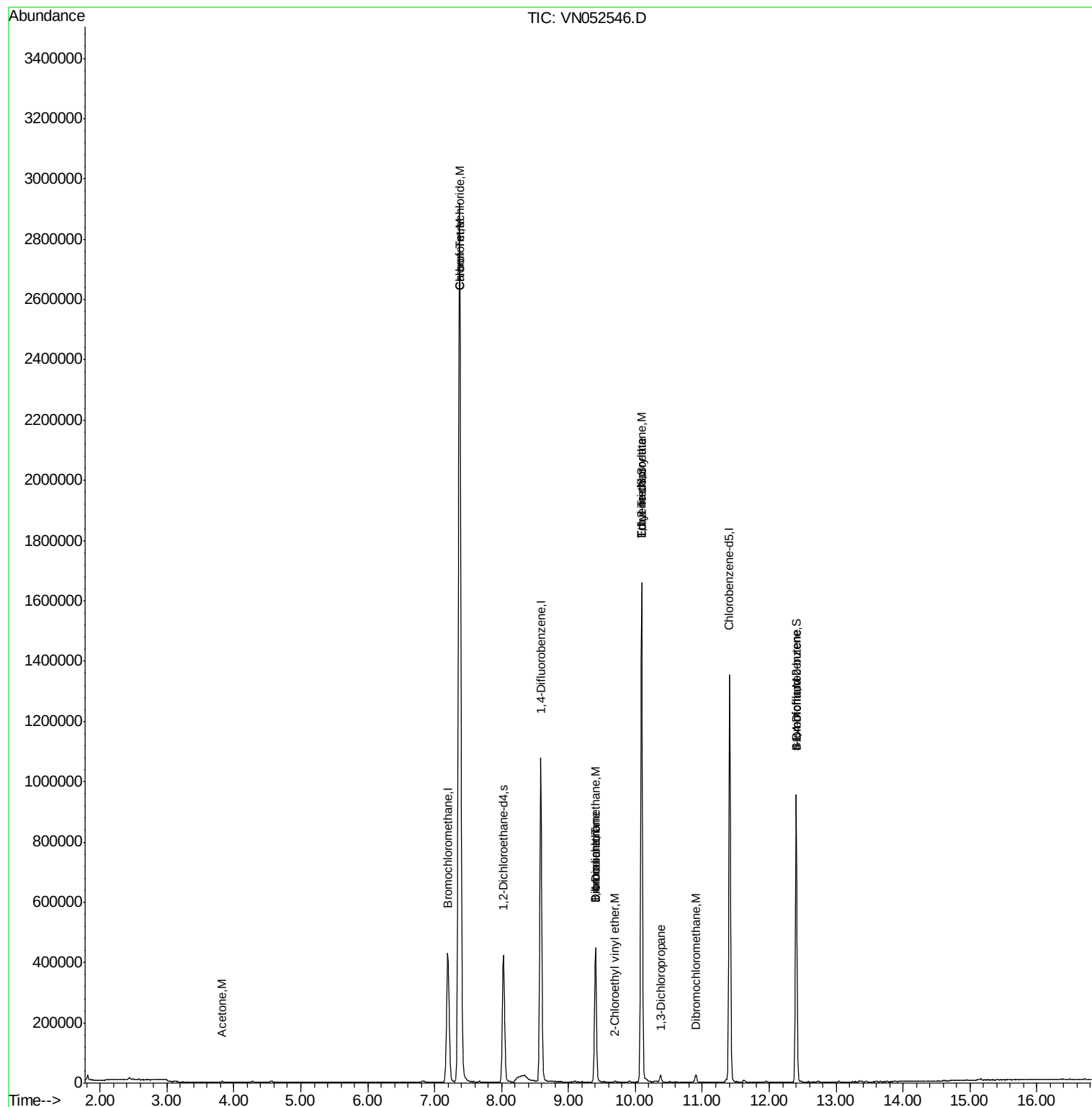
					Ovalue	
15) Acetone	3.82	58	697	0.748	ug/l #	60
25) Chloroform	7.37	83	3218059	160.628	ug/l	99
33) Carbon Tetrachloride	7.37	117	36491	2.625	ug/l	98
40) Dibromomethane	9.41	93	8961	1.347	ug/l #	2
41) Bromodichloromethane	9.40	83	315977	21.504	ug/l	97
45) 1,4-Dioxane	9.40	88	195	2.339	ug/l #	28
50) 1,1,2-Trichloroethane	10.10	97	33690	3.574	ug/l #	1
51) Ethyl methacrylate	10.10	69	2932	0.248	ug/l	88
52) 1,3-Dichloropropane	10.37	76	4055	0.242	ug/l #	42
53) Dibromochloromethane	10.90	129	13757	1.325	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	1511	0.218	ug/l #	81
56) Bromoform	12.40	173	2241	0.330	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	159833	57.081	ug/l #	11

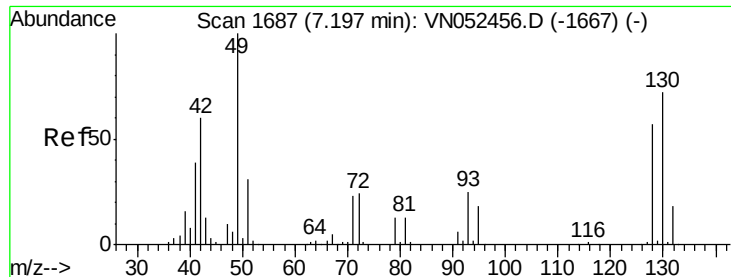
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Quant Time: Nov 29 07:12:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

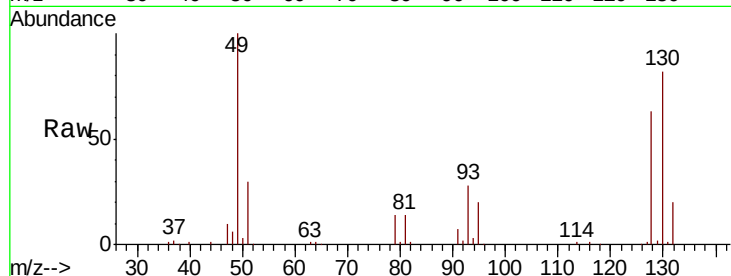




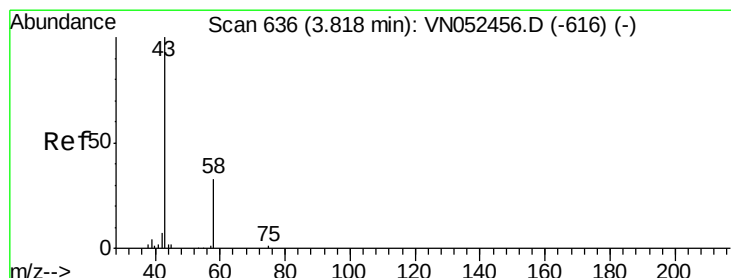
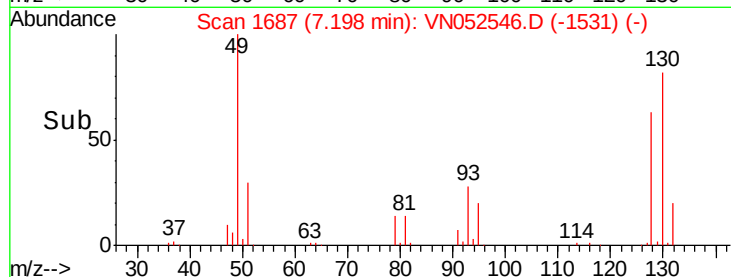
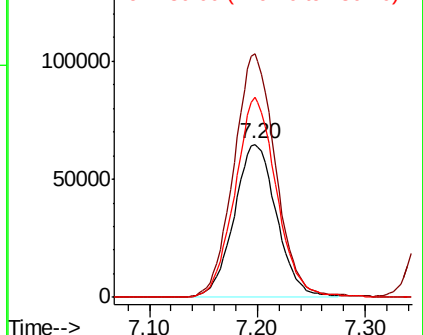
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tot Ion:128 Resp: 177284
Ion Ratio Lower Upper
128 100
49 155.9 0.0 431.8
130 127.4 0.0 317.0

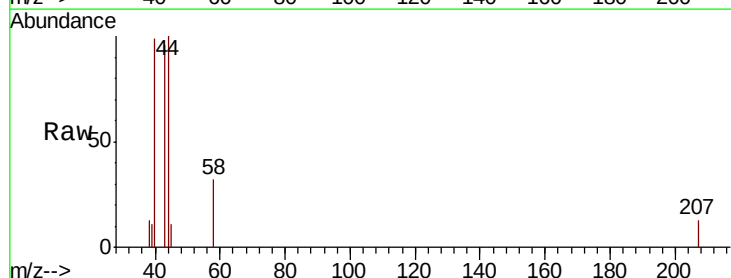


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

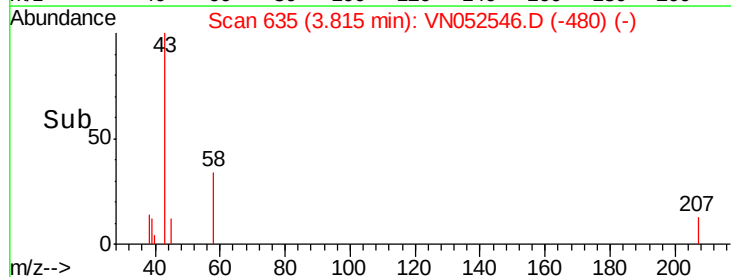
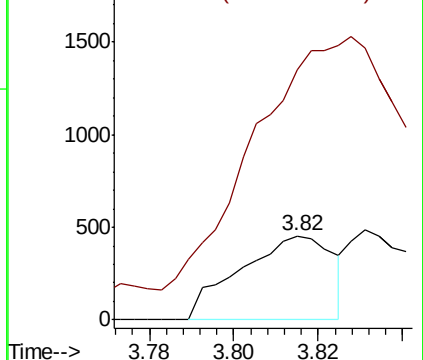


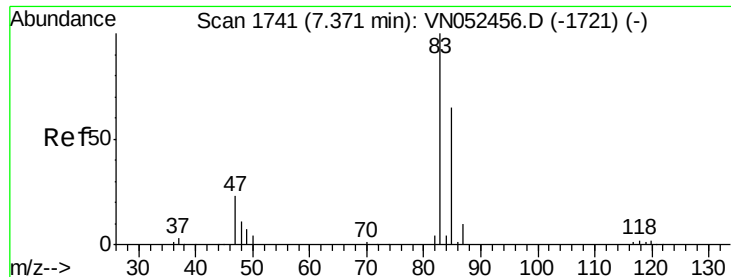
#15
Acetone
Concen: 0.748 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

Tgt Ion: 58 Resp: 697
Ion Ratio Lower Upper
58 100
43 225.3 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN
Ion 43.00 (42.70 to 43.70): VN

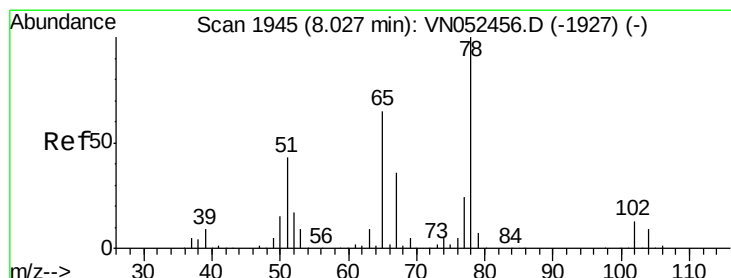
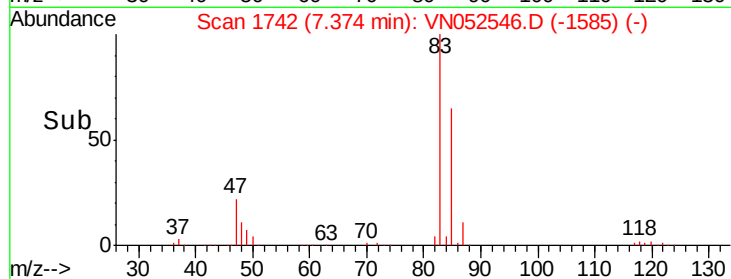
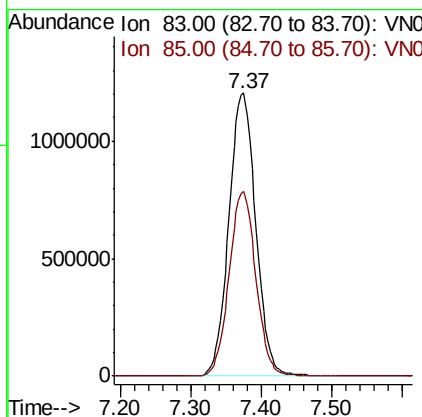
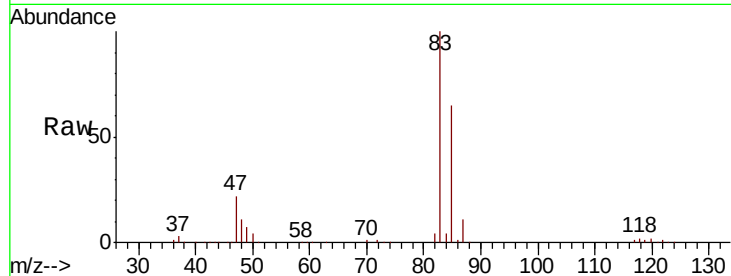




#25
Chloroform
Concen: 160.628 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

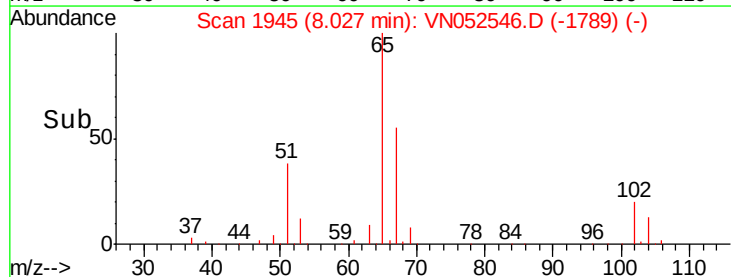
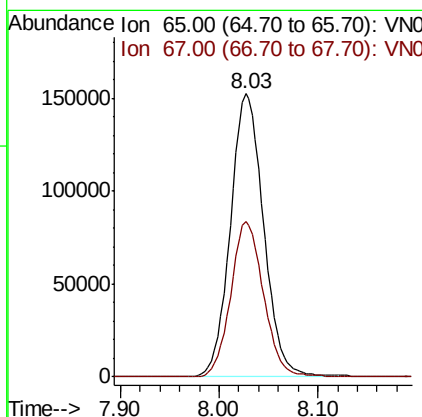
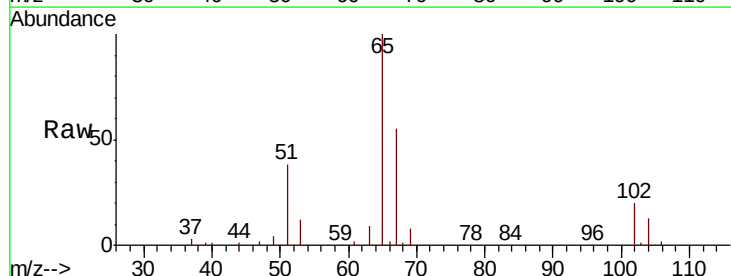
Instrument :
MSVOA_N
ClientSampled :
14B-3

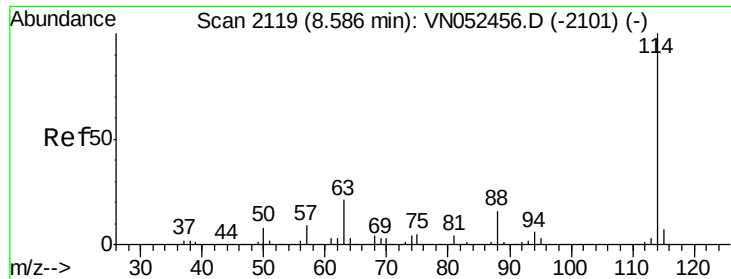
Tot Ion: 83 Resp: 3218059
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

Tgt Ion: 65 Resp: 357500
Ion Ratio Lower Upper
65 100
67 54.1 44.6 66.8

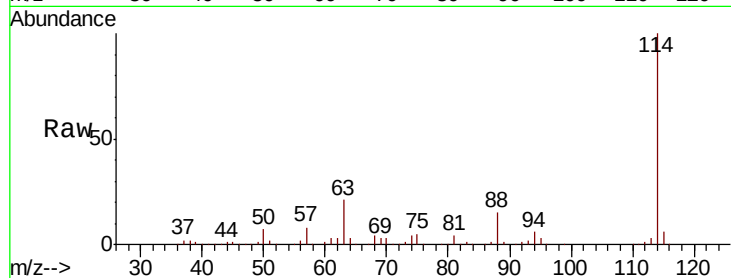




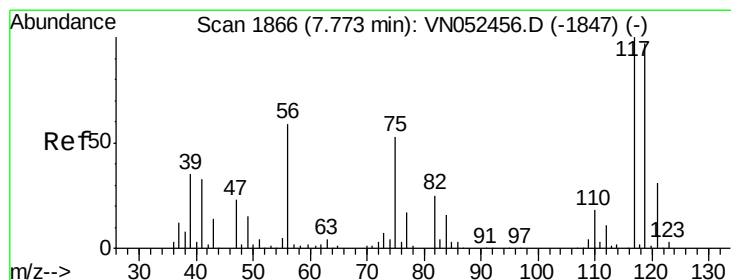
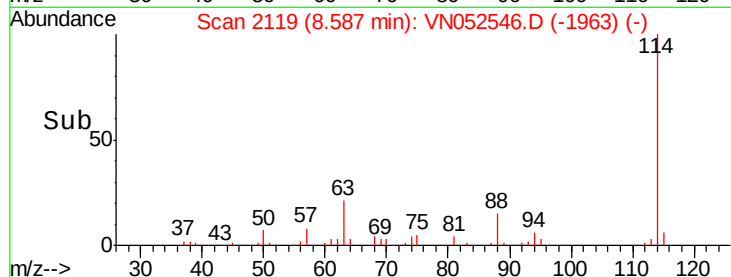
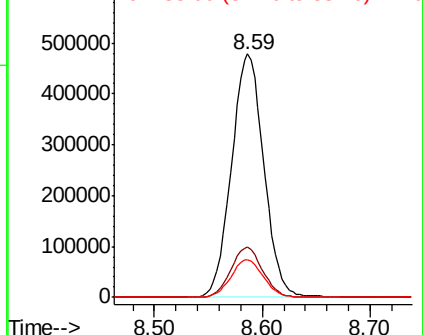
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

Instrument :
MSVOA_N
ClientSampled :
14B-3

Tot Ion:114 Resp: 999993
Ion Ratio Lower Upper
114 100
63 20.3 16.9 25.3
88 15.4 12.8 19.2

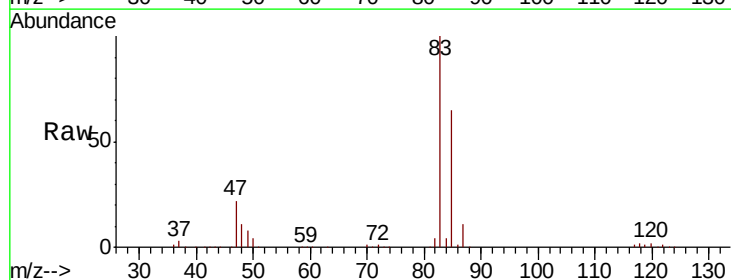


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VN
Ion 88.00 (87.70 to 88.70): VN

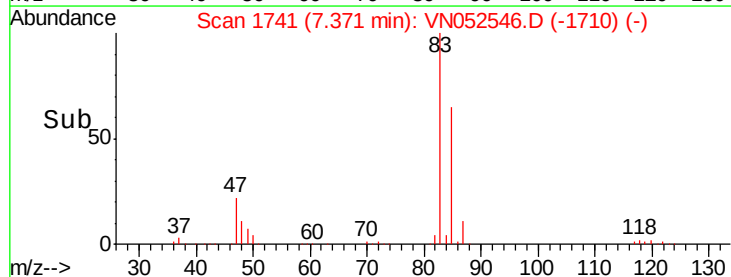
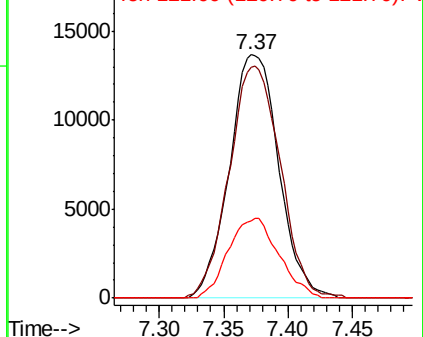


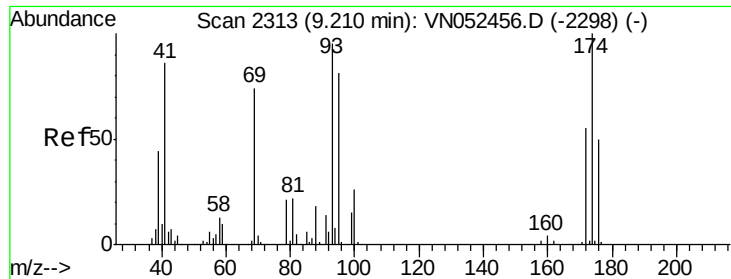
#33
Carbon Tetrachloride
Concen: 2.625 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.40 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

Tgt Ion:117 Resp: 36491
Ion Ratio Lower Upper
117 100
119 93.7 77.3 115.9
121 31.5 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#40

Dibromomethane

Concen: 1.347 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.20 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

Instrument :

MSVOA_N

ClientSampleId :

14B-3

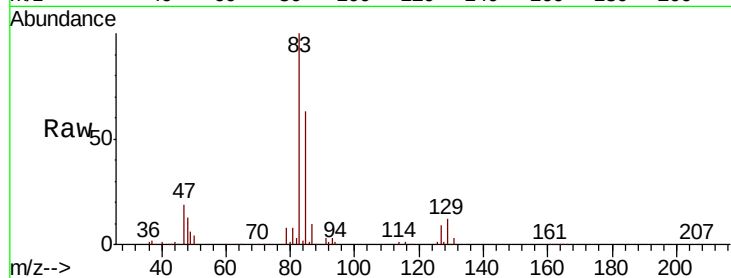
Tot Ion: 93 Resp: 8961

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.4

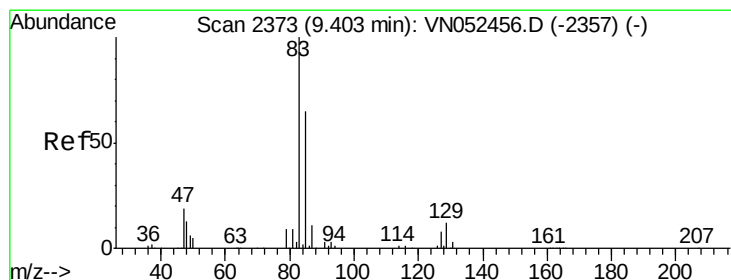
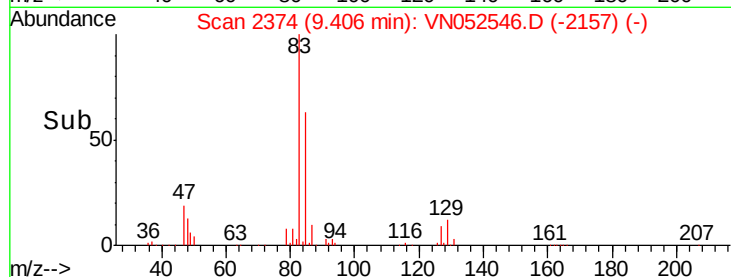
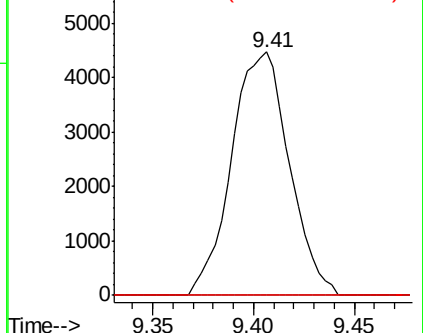
174 0.0 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 21.504 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

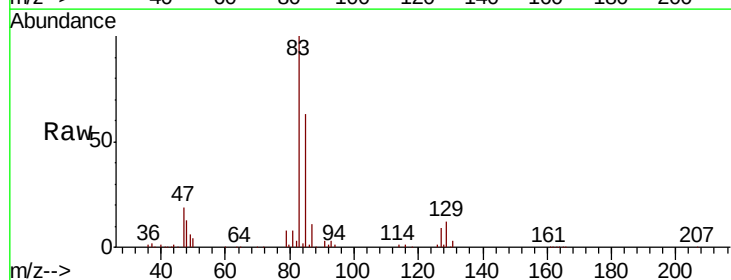
Tgt Ion: 83 Resp: 315977

Ion Ratio Lower Upper

83 100

85 63.4 52.4 78.6

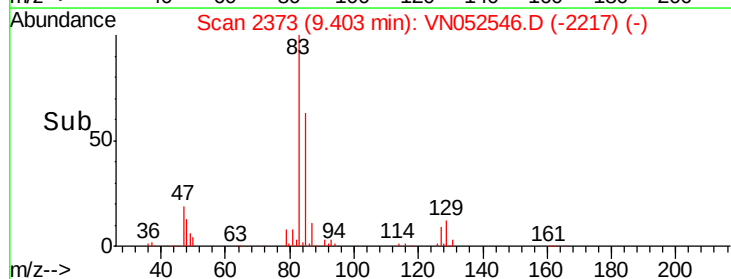
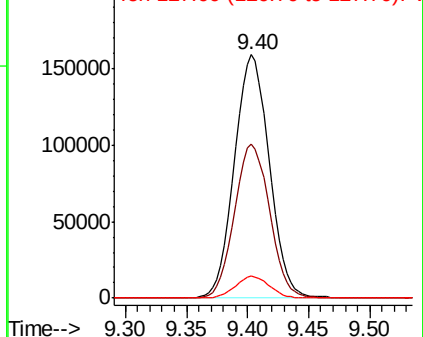
127 8.9 6.6 9.8

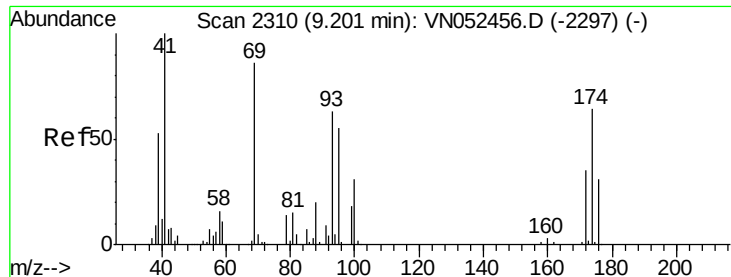


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V

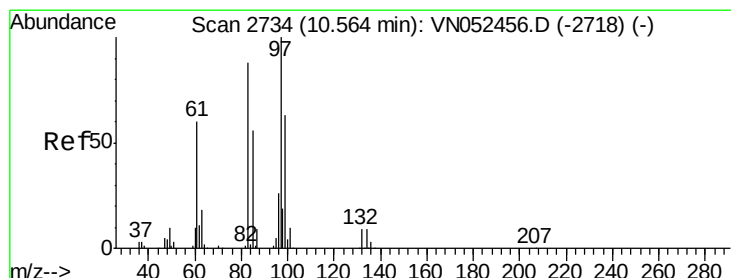
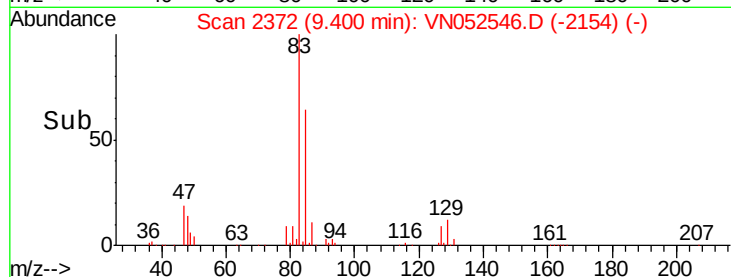
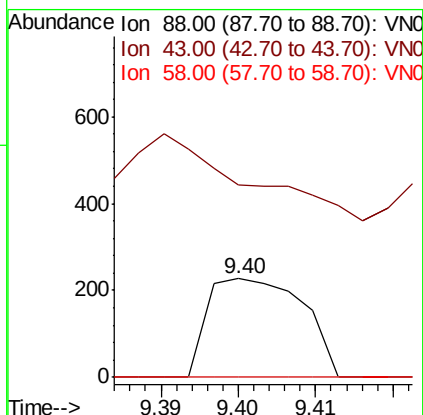
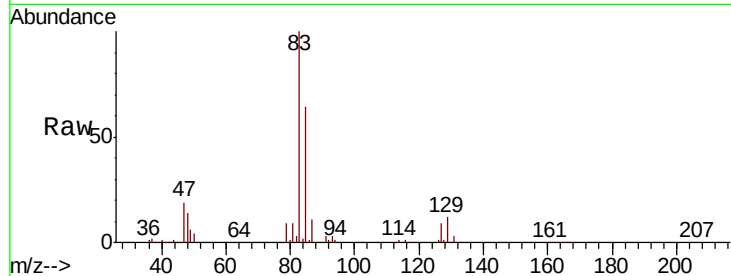




#45
 1,4-Dioxane
 Concen: 2.339 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. 0.20 min
 Lab File: VN052546.D
 Acq: 29 Nov 2018 3:53

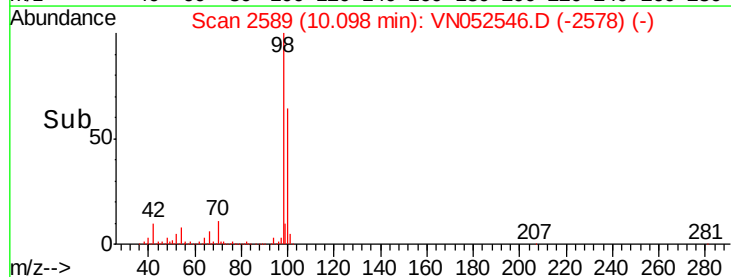
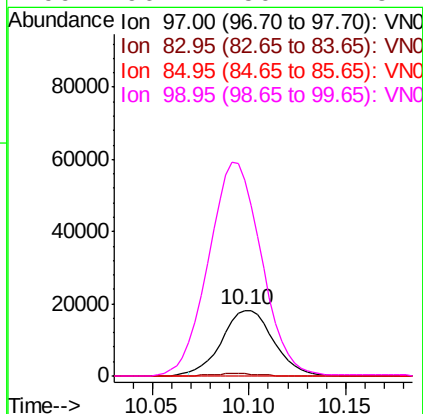
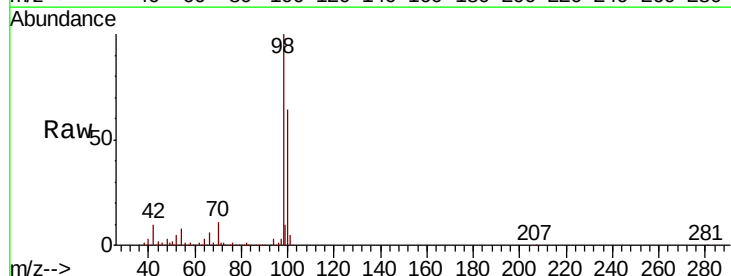
Instrument :
 MSVOA_N
 ClientSampled :
 14B-3

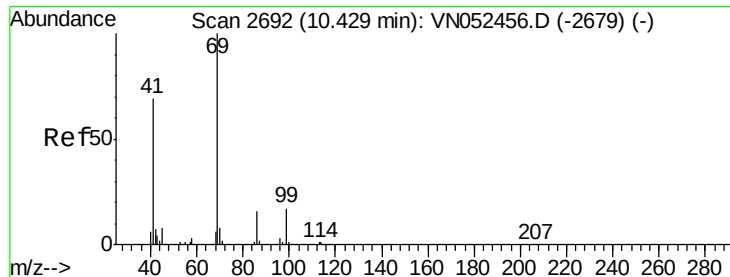
Tot Ion: 88 Resp: 195
 Ion Ratio Lower Upper
 88 100
 43 59.5 29.5 44.3#
 58 0.0 61.5 92.3#



#50
 1,1,2-Trichloroethane
 Concen: 3.574 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.47 min
 Lab File: VN052546.D
 Acq: 29 Nov 2018 3:53

Tgt Ion: 97 Resp: 33690
 Ion Ratio Lower Upper
 97 100
 83 3.3 70.4 105.6#
 85 0.0 45.0 67.6#
 99 296.1 50.2 75.2#





#51

Ethyl methacrylate

Concen: 0.248 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

Instrument :

MSVOA_N

ClientSampled :

14B-3

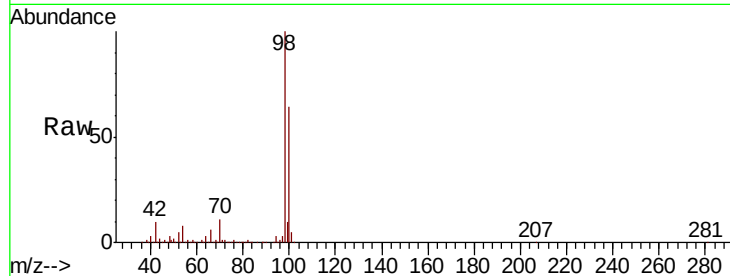
Tot Ion: 69 Resp: 2932

Ion Ratio Lower Upper

69 100

41 81.3 34.4 103.3

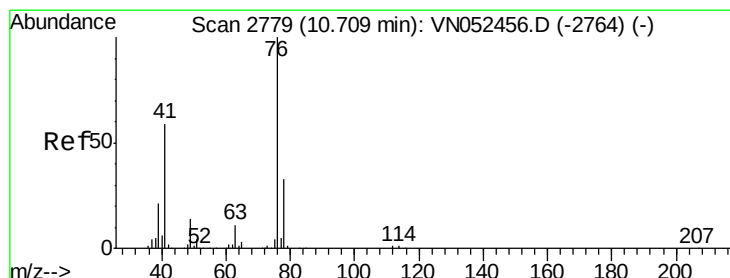
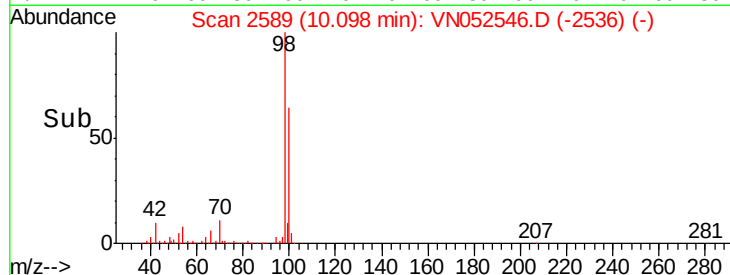
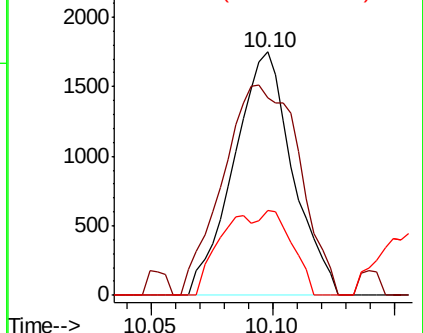
39 35.0 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 0.242 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.33 min

Lab File: VN052546.D

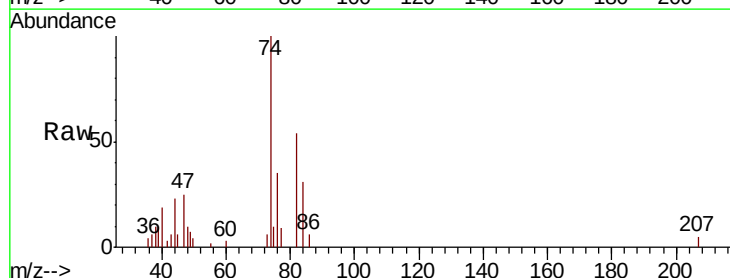
Acq: 29 Nov 2018 3:53

Tgt Ion: 76 Resp: 4055

Ion Ratio Lower Upper

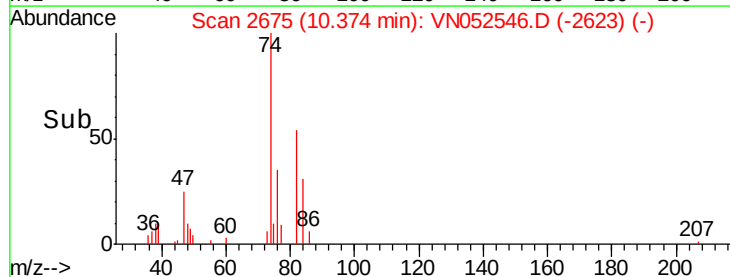
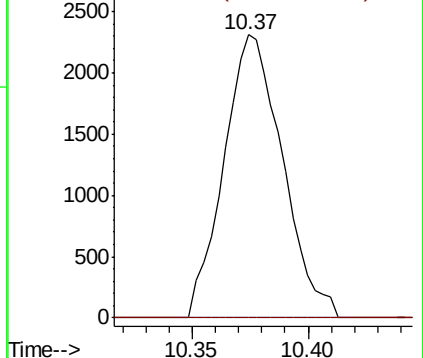
76 100

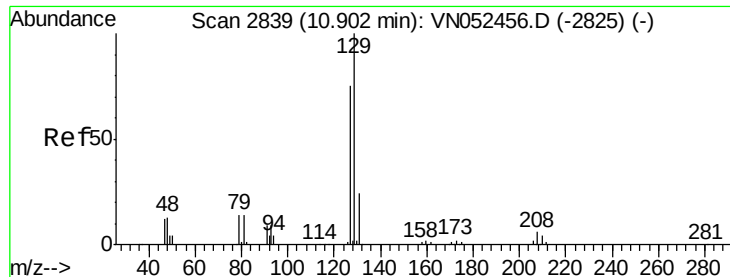
78 0.0 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 1.325 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

Instrument :

MSVOA_N

ClientSampled :

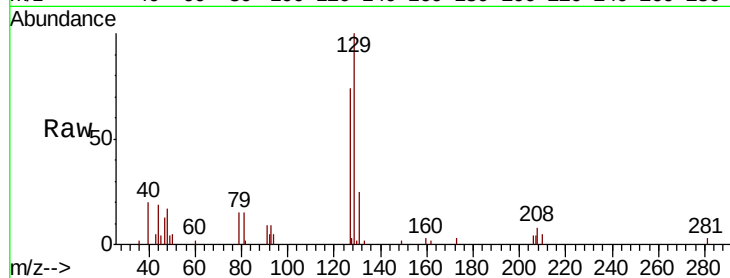
14B-3

Tot Ion:129 Resp: 13757

Ion Ratio Lower Upper

129 100

127 77.9 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

8000

6000

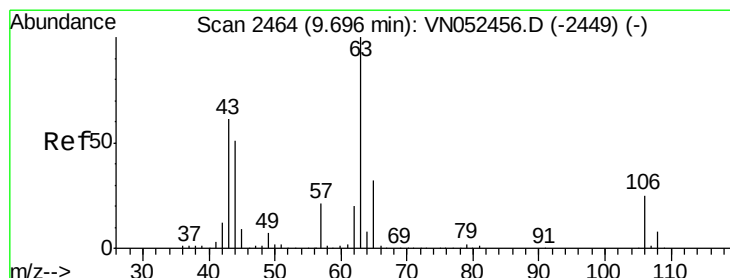
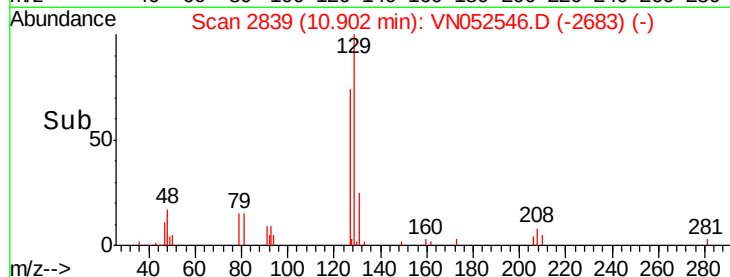
4000

2000

0

Time-->

10.85 10.90 10.95



#55

2-Chloroethyl vinyl ether

Concen: 0.218 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

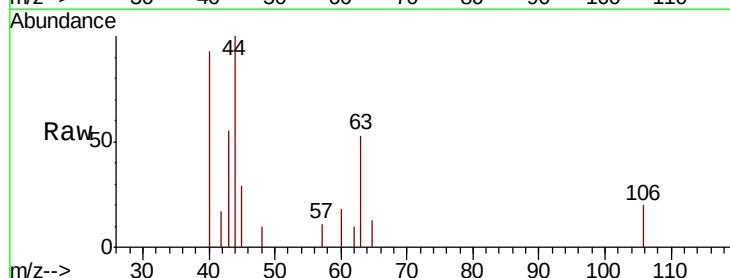
Tgt Ion: 63 Resp: 1511

Ion Ratio Lower Upper

63 100

65 18.3 25.4 38.2#

106 18.9 20.4 30.6#



Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V

9.70

1000

800

600

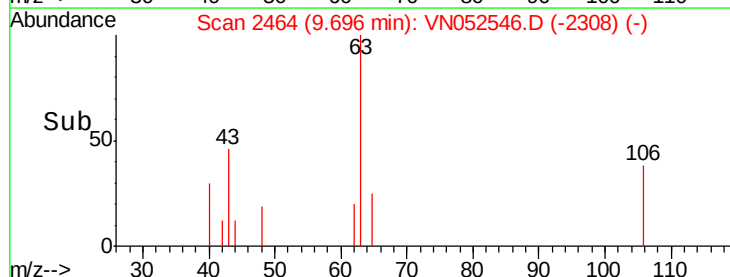
400

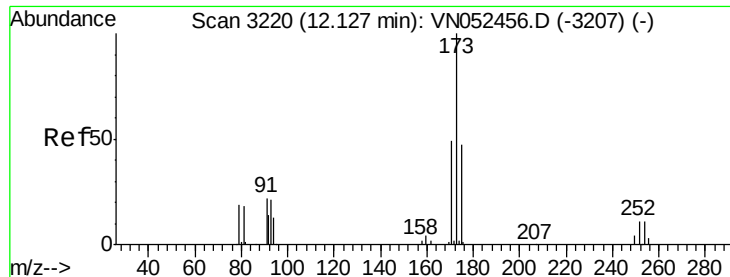
200

0

Time-->

9.66 9.68 9.70 9.72 9.74





#56

Bromoform

Concen: 0.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

Instrument :

MSVOA_N

ClientSampleId :

14B-3

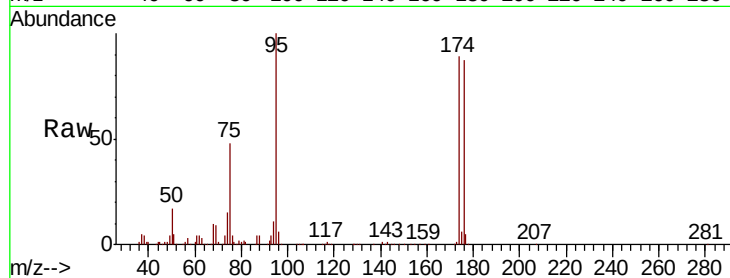
Tot Ion:173 Resp: 2241

Ion Ratio Lower Upper

173 100

175 935.8 38.7 58.1#

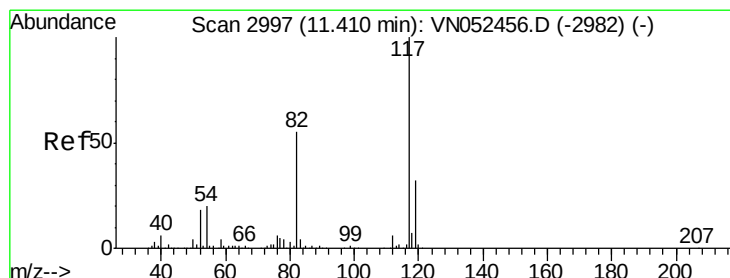
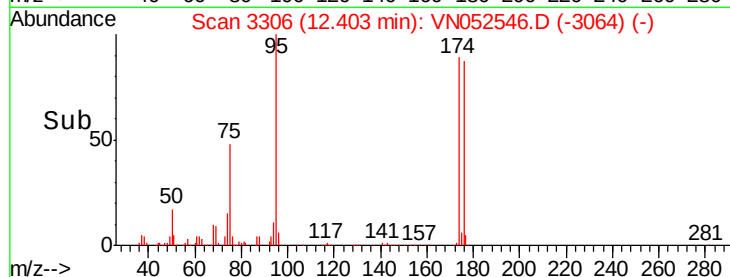
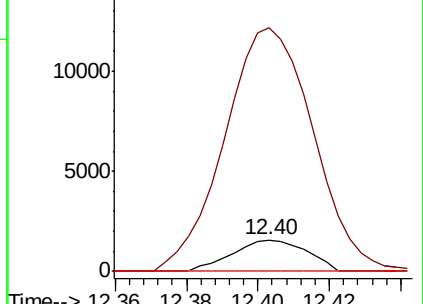
254 0.0 8.4 12.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

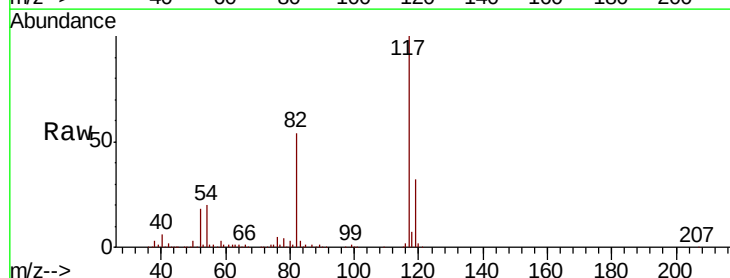
Tgt Ion:117 Resp: 830402

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

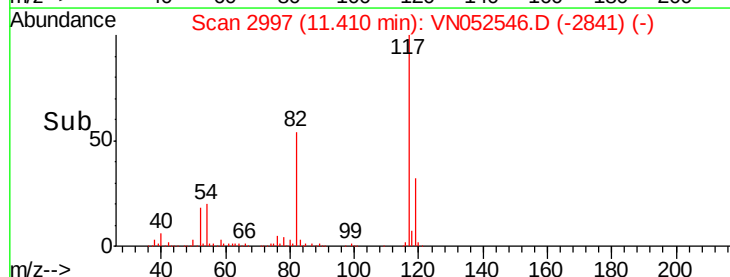
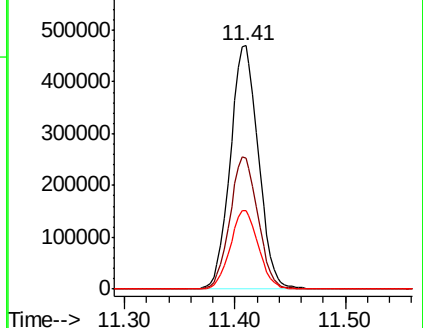
119 32.5 25.4 38.2

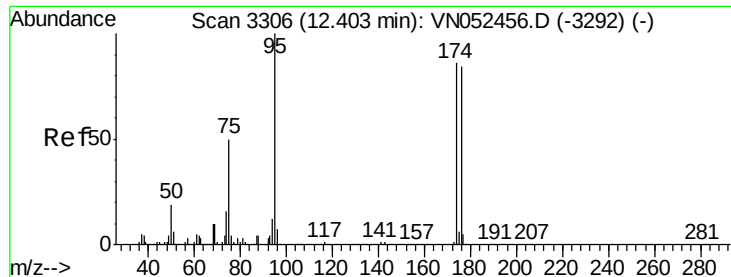


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052546.D

Acq: 29 Nov 2018 3:53

Instrument :

MSVOA_N

ClientSampled :

14B-3

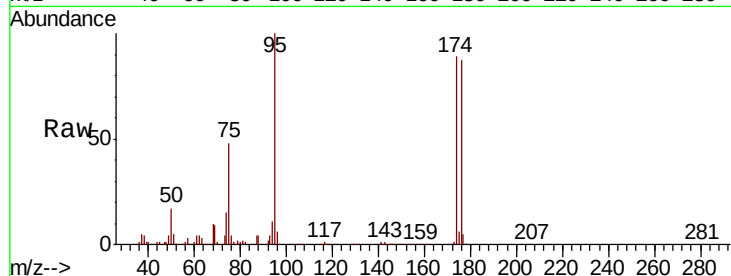
Tot Ion: 95 Resp: 335164

Ion Ratio Lower Upper

95 100

174 88.3 67.9 101.9

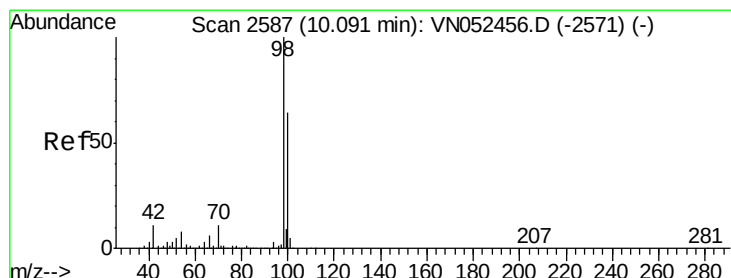
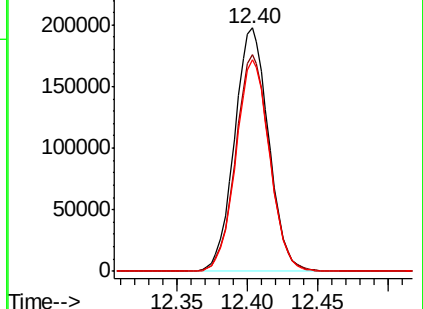
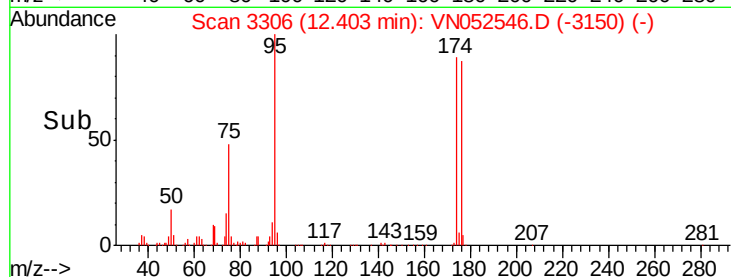
176 85.9 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052456.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052456.D (-3292) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052546.D

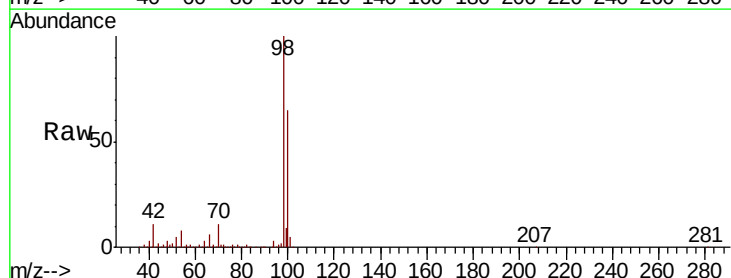
Acq: 29 Nov 2018 3:53

Tgt Ion: 98 Resp: 1168259

Ion Ratio Lower Upper

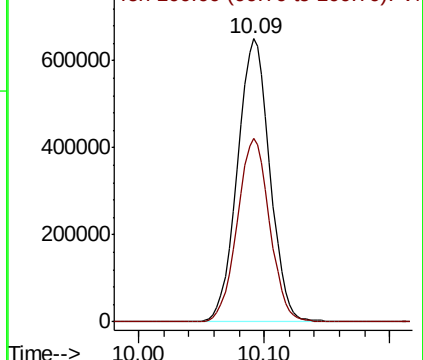
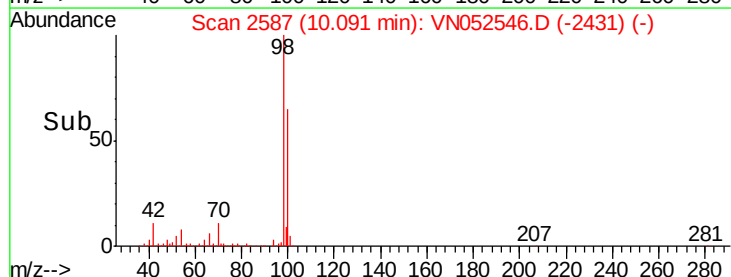
98 100

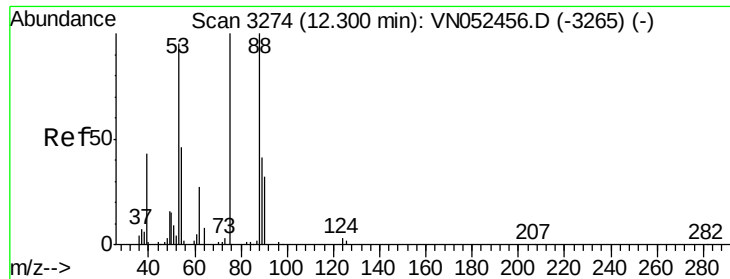
100 64.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 57.081 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052546.D
Acq: 29 Nov 2018 3:53

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.5	145.6#
89	0.0	21.7	65.1#

