

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052501.D
 Acq On : 28 Nov 2018 2:05
 Operator : MD\SY
 Sample : J6086-02 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Nov 28 06:20:15 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	180327	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1027420	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	847060	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	369988	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	12.40	95	337532	26.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.87%
63) Toluene-d8	10.09	98	1192381	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

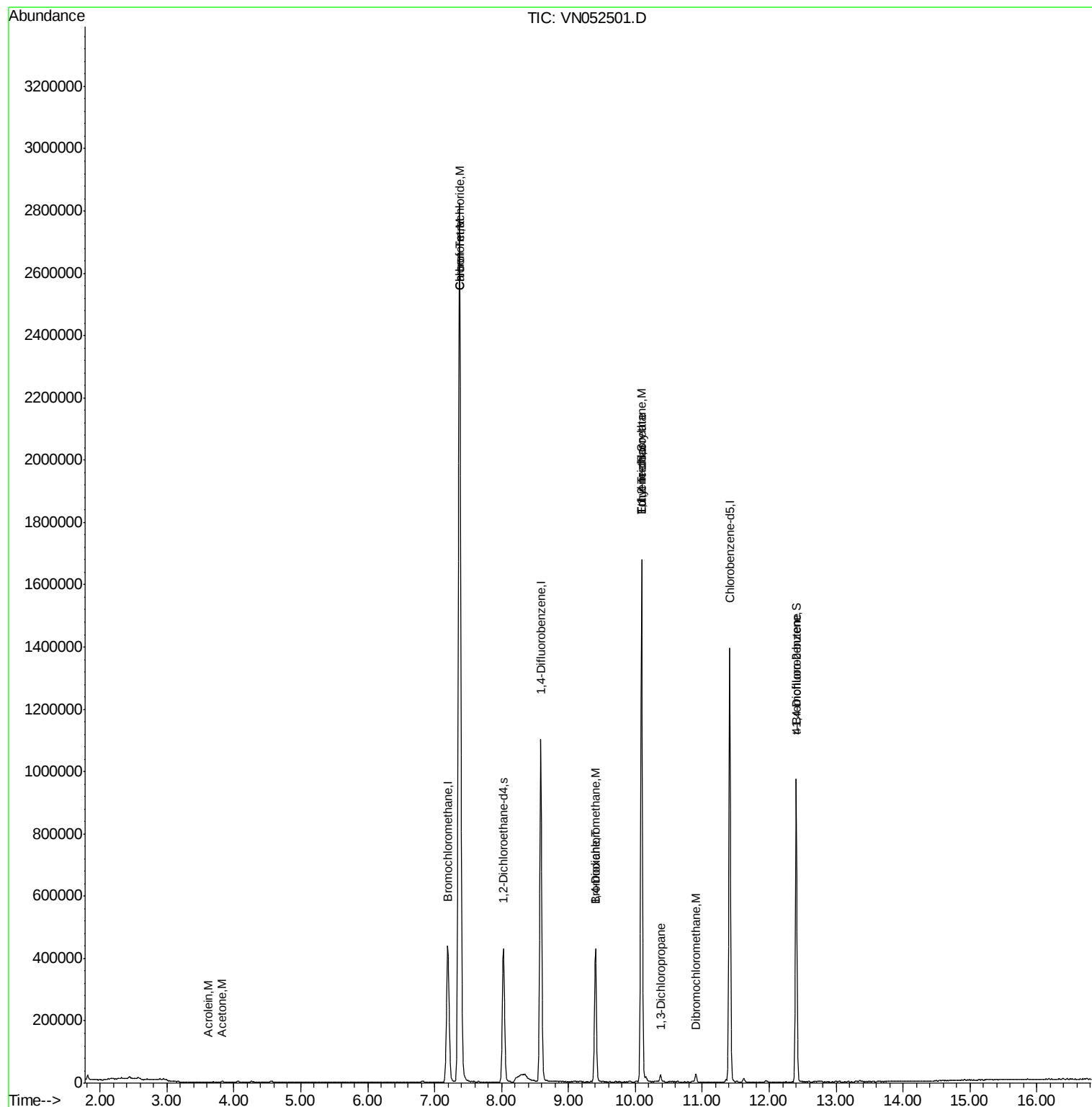
					Ovalue
13) Acrolein	3.62	56	449	0.445 ug/l	93
15) Acetone	3.82	58	539	0.569 ug/l #	44
25) Chloroform	7.37	83	3047495	149.547 ug/l	99
33) Carbon Tetrachloride	7.37	117	33839	2.369 ug/l	97
41) Bromodichloromethane	9.40	83	308736	20.450 ug/l	97
45) 1,4-Dioxane	9.41	88	142	1.658 ug/l #	36
50) 1,1,2-Trichloroethane	10.10	97	35930	3.709 ug/l #	1
51) Ethyl methacrylate	10.09	69	3587	0.295 ug/l	89
52) 1,3-Dichloropropane	10.37	76	4203	0.244 ug/l	45
53) Dibromochloromethane	10.90	129	14672	1.376 ug/l	99
77) t-1,4-Dichloro-2-butene	12.40	75	162087	56.748 ug/l #	11

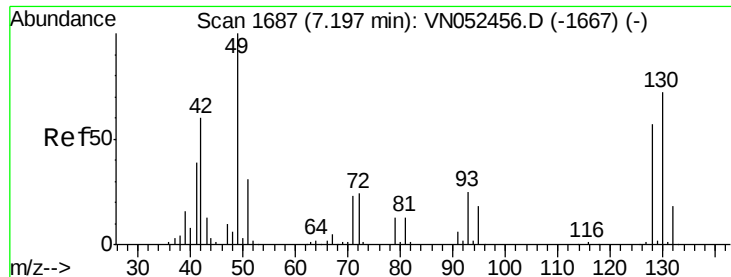
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112718\
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MSVOA_N
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Quant Time: Nov 28 06:20:15 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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: VN052501.D

Acq: 28 Nov 2018 2:05

Instrument :

MSVOA_N

ClientSampled :

14B-2

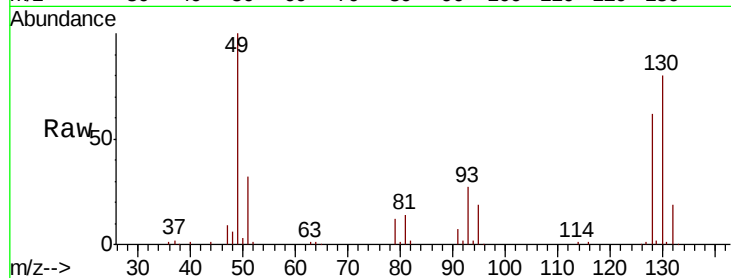
Tot Ion:128 Resp: 180327

Ion Ratio Lower Upper

128 100

49 162.3 0.0 431.8

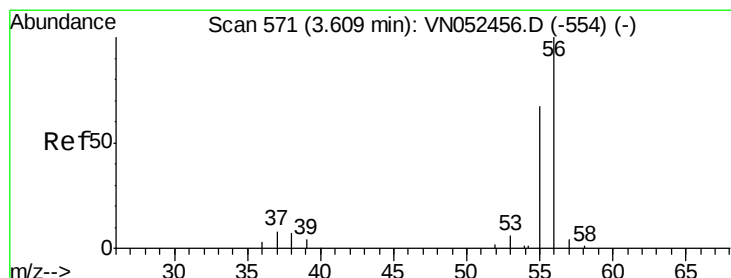
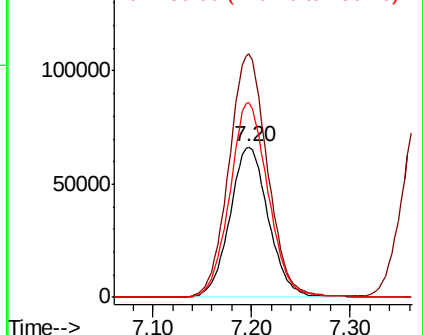
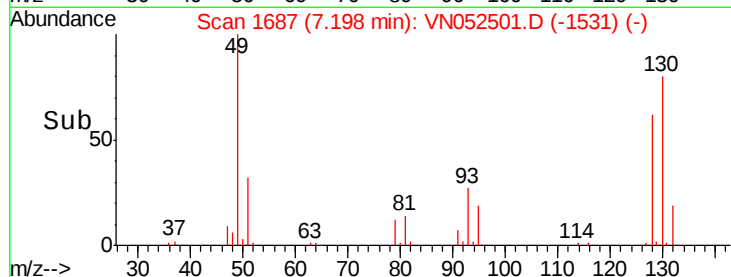
130 129.3 0.0 317.0



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



#13

Acrolein

Concen: 0.445 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052501.D

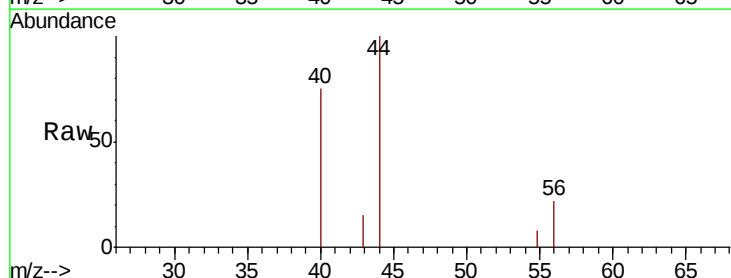
Acq: 28 Nov 2018 2:05

Tgt Ion: 56 Resp: 449

Ion Ratio Lower Upper

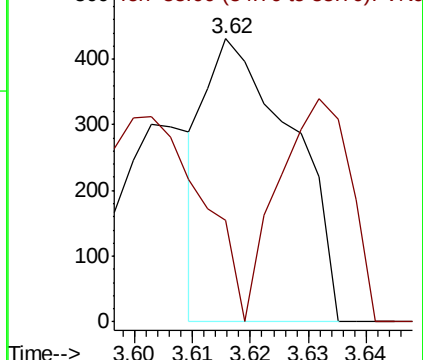
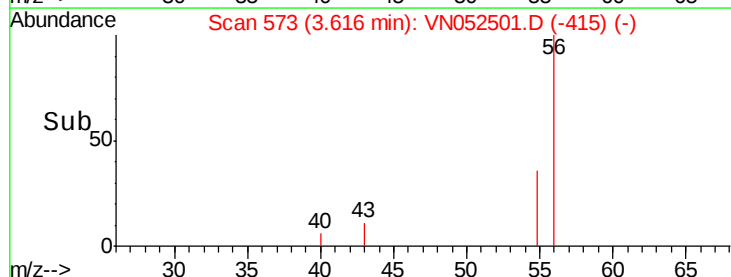
56 100

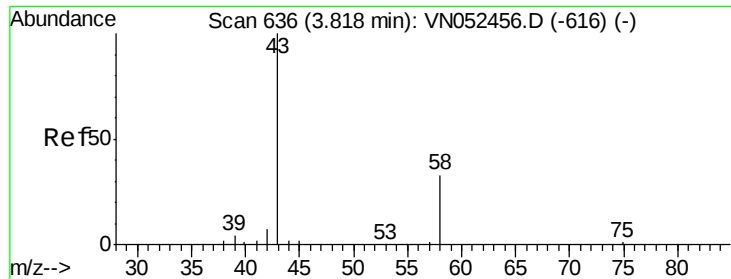
55 65.0 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

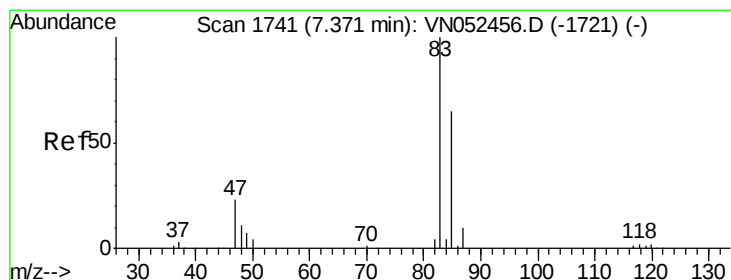
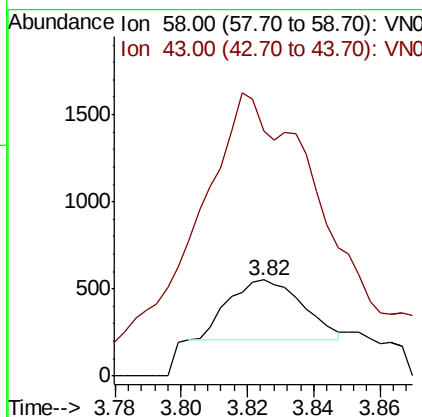
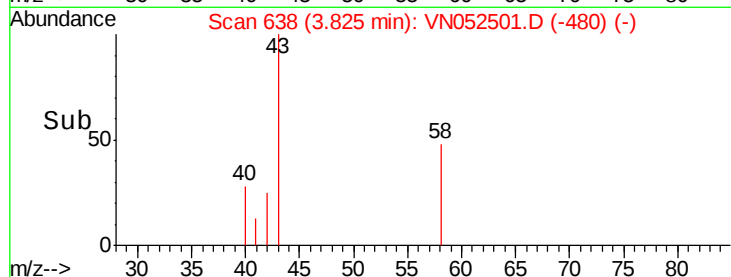
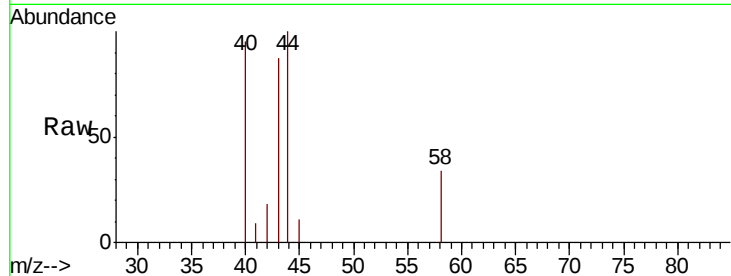




#15
Acetone
Concen: 0.569 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

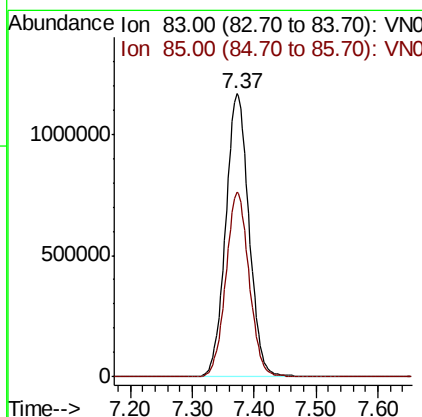
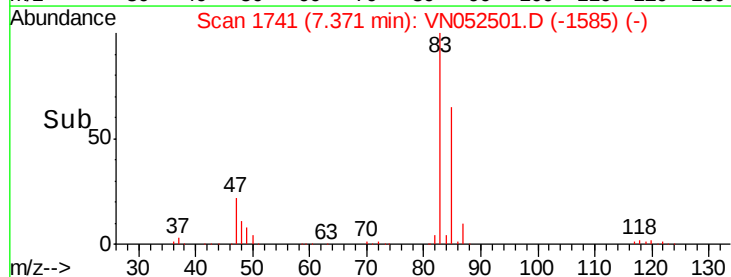
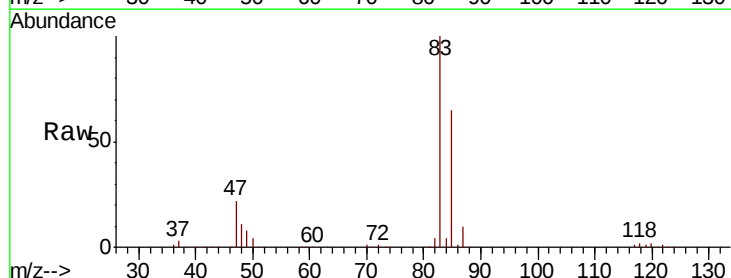
Instrument :
MSVOA_N
ClientSampled :
14B-2

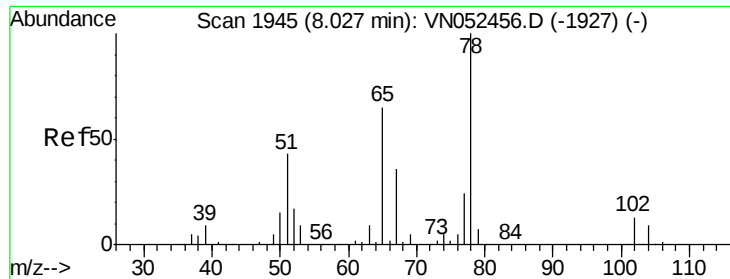
Tot Ion: 58 Resp: 539
Ion Ratio Lower Upper
58 100
43 193.4 243.6 365.4#



#25
Chloroform
Concen: 149.547 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

Tgt Ion: 83 Resp: 3047495
Ion Ratio Lower Upper
83 100
85 65.1 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: VN052501.D

Acq: 28 Nov 2018 2:05

Instrument :

MSVOA_N

ClientSampleId :

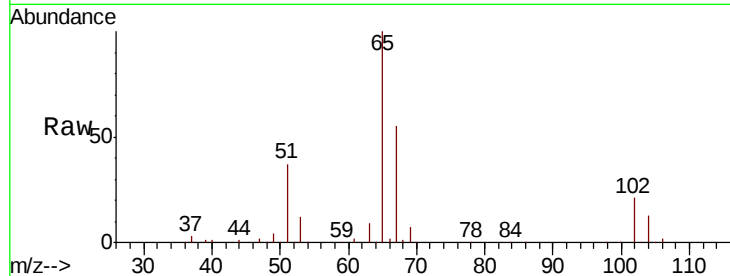
14B-2

Tot Ion: 65 Resp: 369988

Ion Ratio Lower Upper

65 100

67 54.5 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052456.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN052456.D (-1927) (-)

8.03

150000

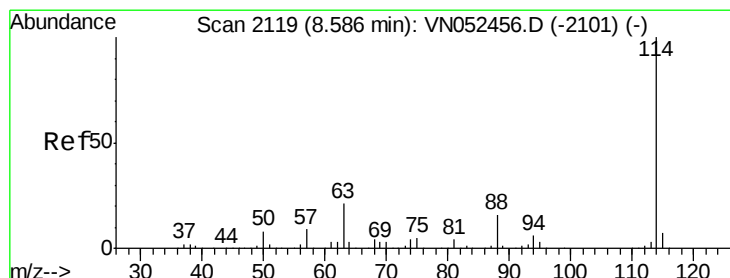
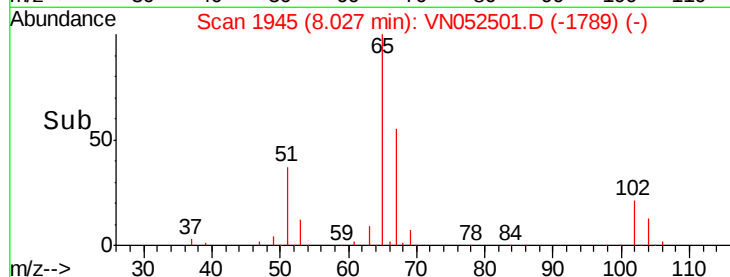
100000

50000

0

8.00 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052501.D

Acq: 28 Nov 2018 2:05

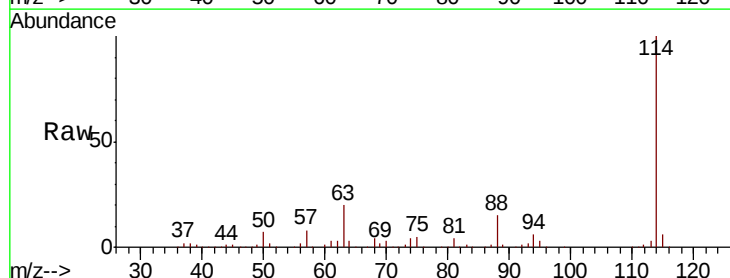
Tgt Ion: 114 Resp: 1027420

Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052456.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN052456.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN052456.D (-2101) (-)

8.59

600000

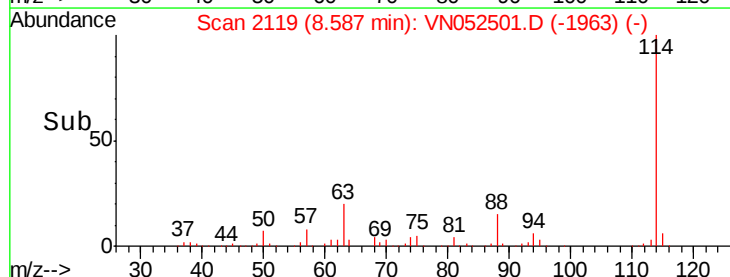
400000

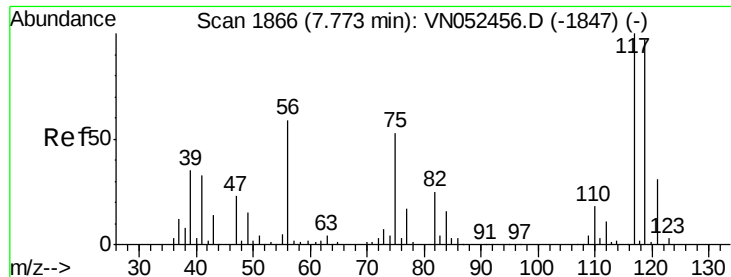
200000

0

8.50 8.60 8.70

Time-->

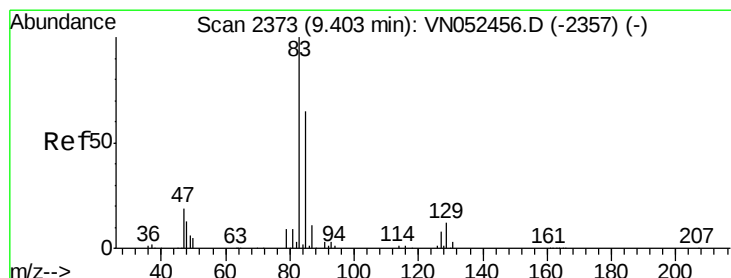
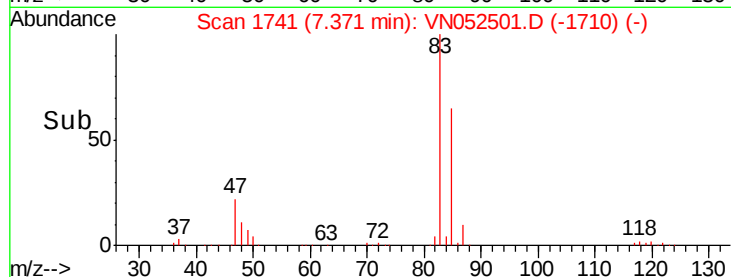
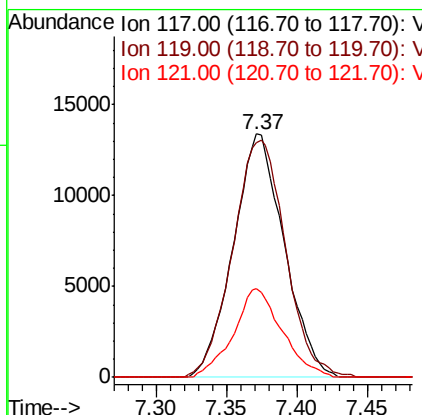
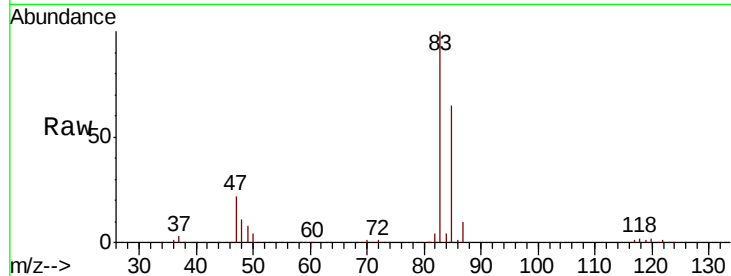




#33
Carbon Tetrachloride
Concen: 2.369 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.40 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

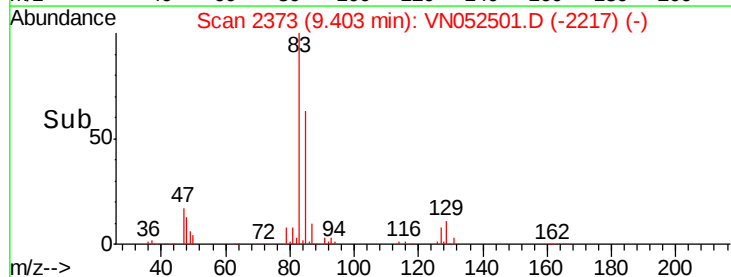
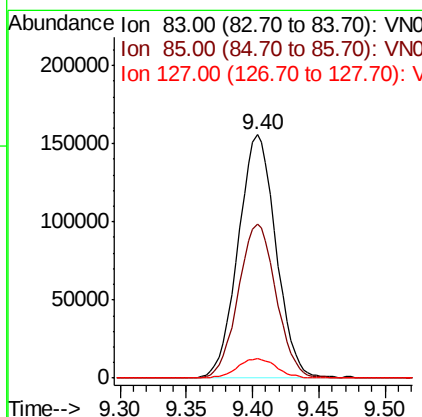
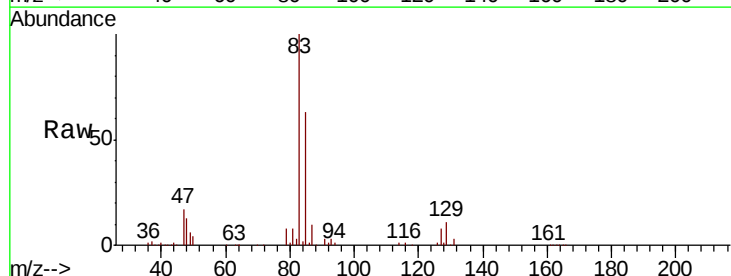
Instrument :
MSVOA_N
ClientSampleId :
14B-2

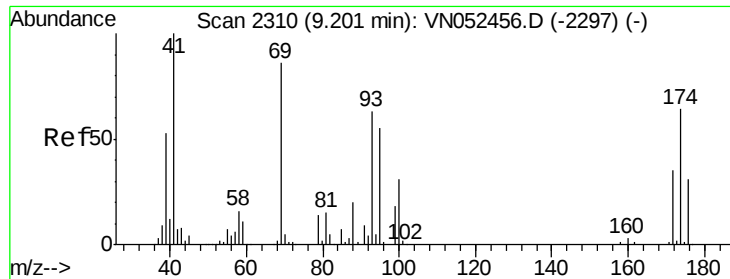
Tot Ion:117 Resp: 33839
Ion Ratio Lower Upper
117 100
119 95.3 77.3 115.9
121 36.5 24.9 37.3



#41
Bromodichloromethane
Concen: 20.450 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

Tgt Ion: 83 Resp: 308736
Ion Ratio Lower Upper
83 100
85 63.2 52.4 78.6
127 7.8 6.6 9.8

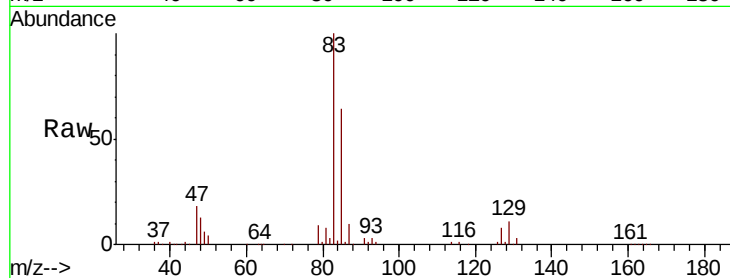




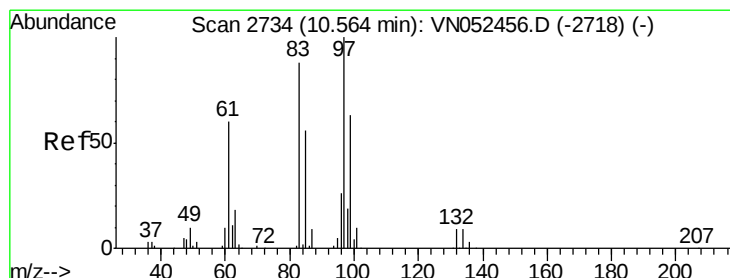
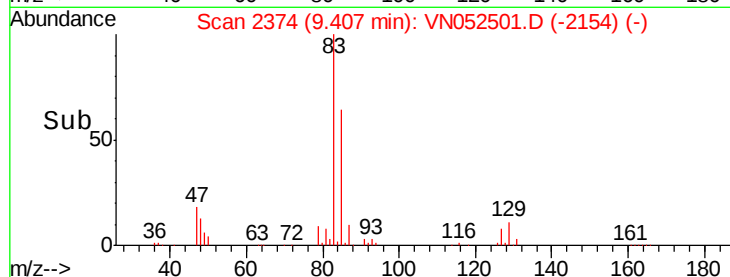
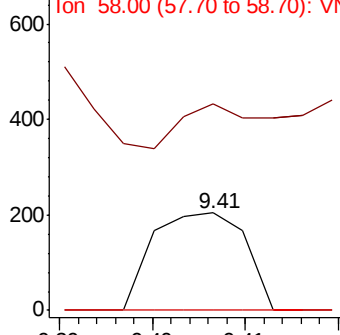
#45
 1,4-Dioxane
 Concen: 1.658 ug/l
 RT: 9.41 min Scan# 2374
 Delta R.T. 0.21 min
 Lab File: VN052501.D
 Acq: 28 Nov 2018 2:05

Instrument :
 MSVOA_N
 ClientSampled :
 14B-2

Tot Ion: 88 Resp: 142
 Ion Ratio Lower Upper
 88 100
 43 30.3 29.5 44.3
 58 0.0 61.5 92.3#

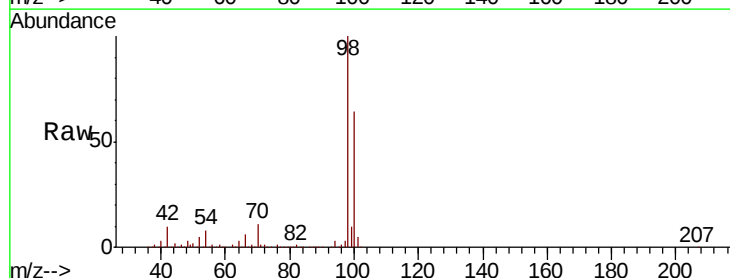


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

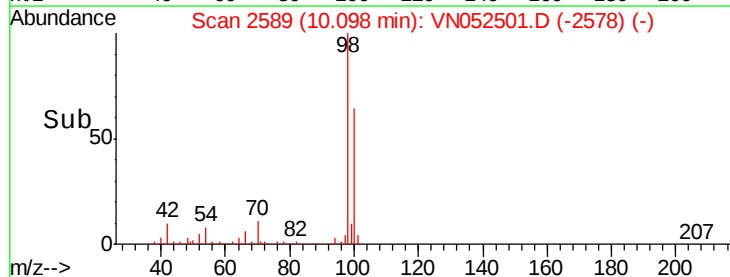
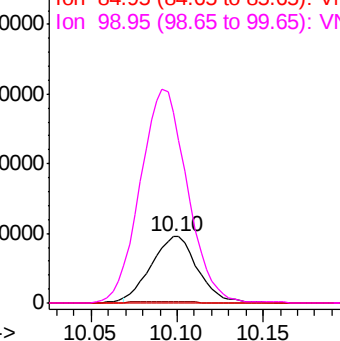


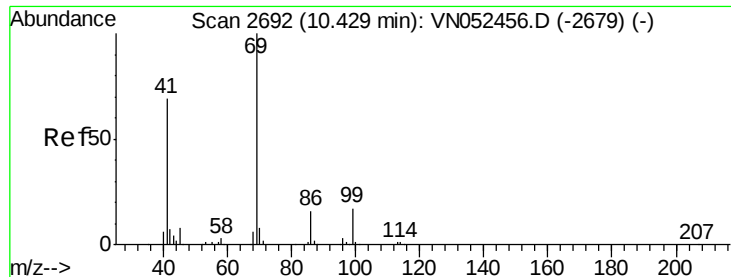
#50
 1,1,2-Trichloroethane
 Concen: 3.709 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.47 min
 Lab File: VN052501.D
 Acq: 28 Nov 2018 2:05

Tgt Ion: 97 Resp: 35930
 Ion Ratio Lower Upper
 97 100
 83 2.4 70.4 105.6#
 85 0.0 45.0 67.6#
 99 286.7 50.2 75.2#



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 0.295 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN052501.D

Acq: 28 Nov 2018 2:05

Instrument :

MSVOA_N

ClientSampled :

14B-2

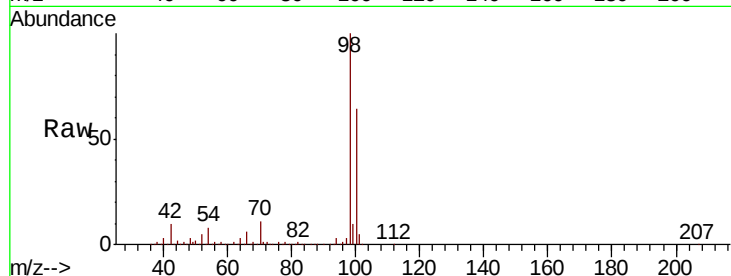
Tot Ion: 69 Resp: 3587

Ion Ratio Lower Upper

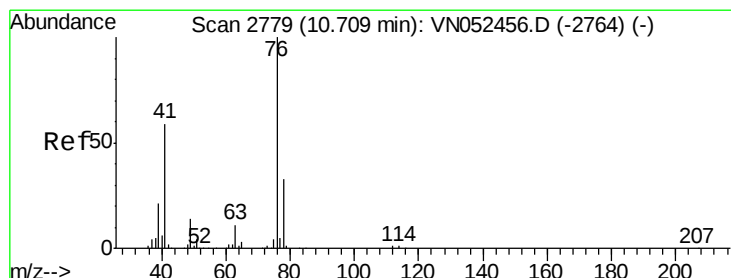
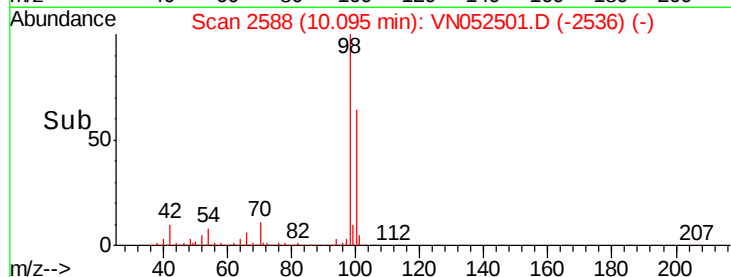
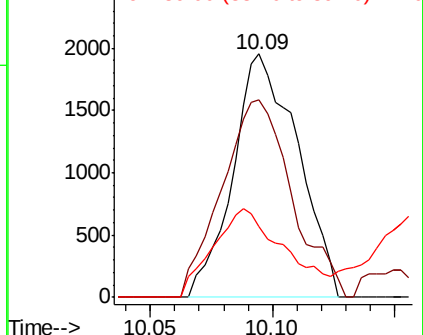
69 100

41 73.6 34.4 103.3

39 20.7 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: 0.244 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.33 min

Lab File: VN052501.D

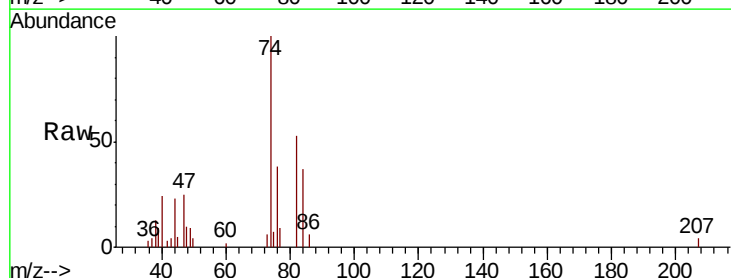
Acq: 28 Nov 2018 2:05

Tgt Ion: 76 Resp: 4203

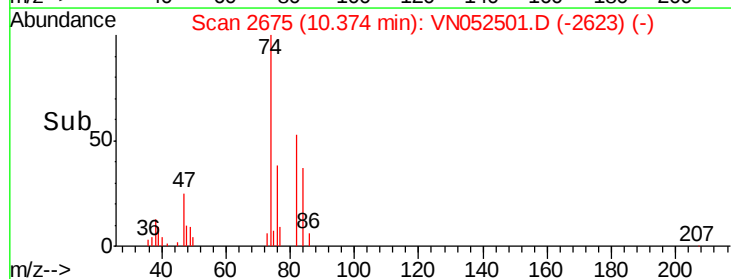
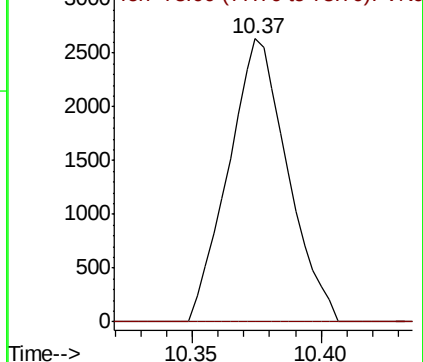
Ion Ratio Lower Upper

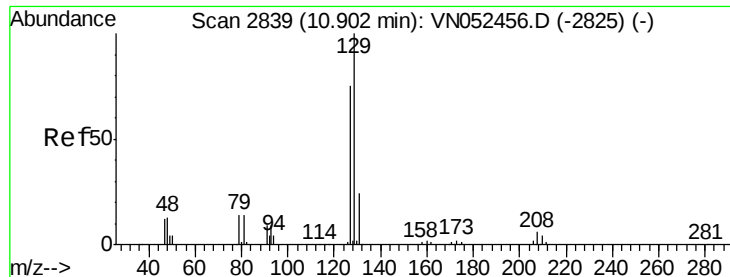
76 100

78 1.4 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

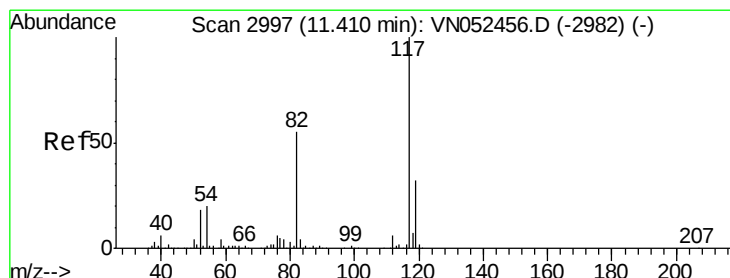
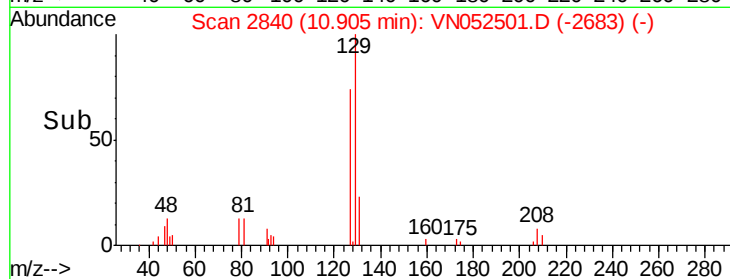
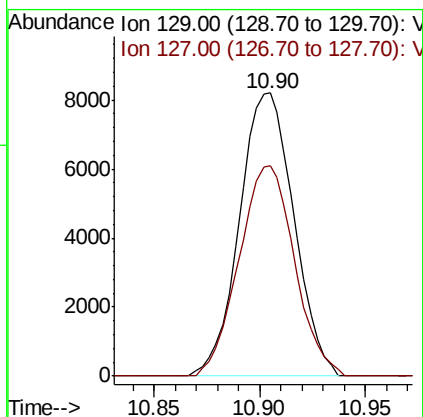
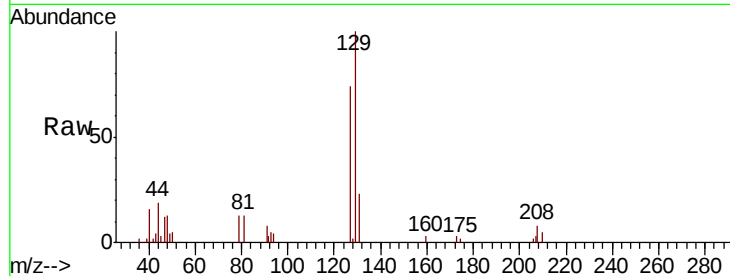




#53
Dibromochloromethane
Concen: 1.376 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

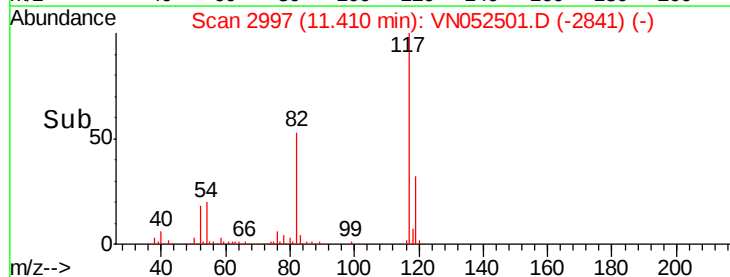
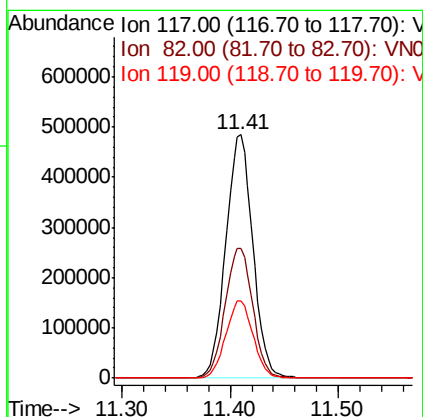
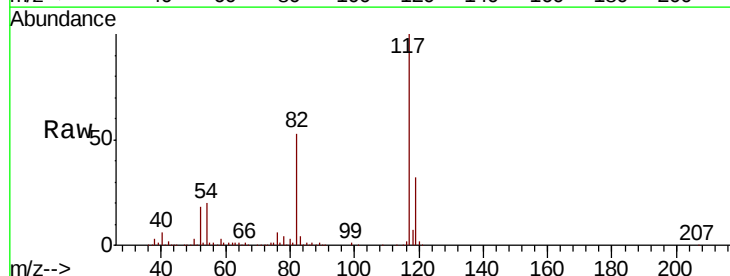
Instrument :
MSVOA_N
ClientSampled :
14B-2

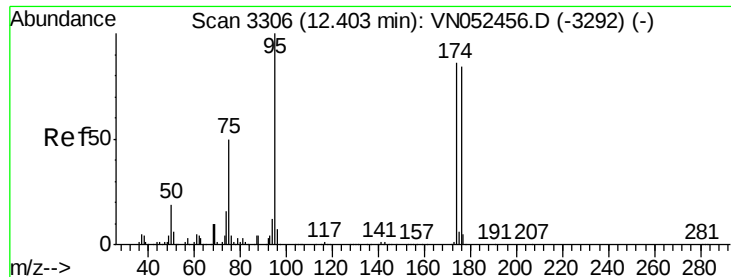
Tot Ion:129 Resp: 14672
Ion Ratio Lower Upper
129 100
127 76.0 37.6 112.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

Tgt Ion:117 Resp: 847060
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.2 25.4 38.2

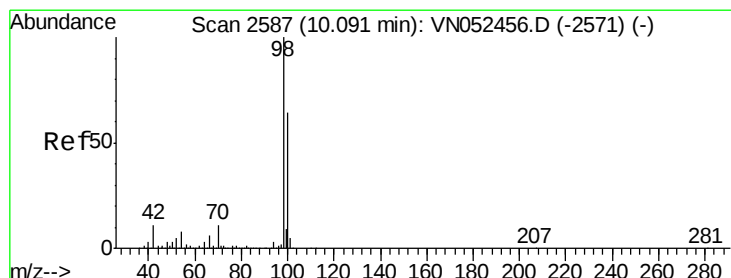
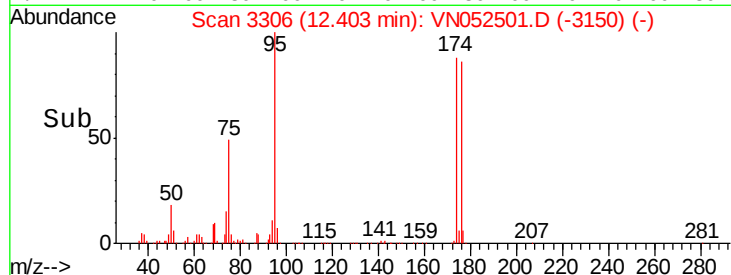
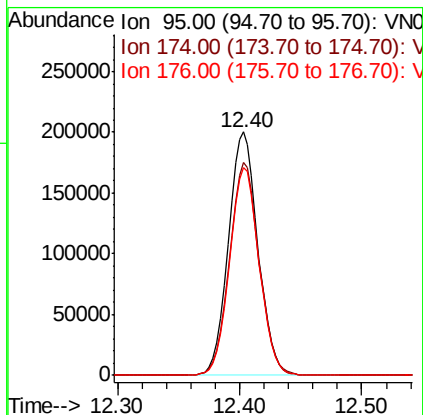
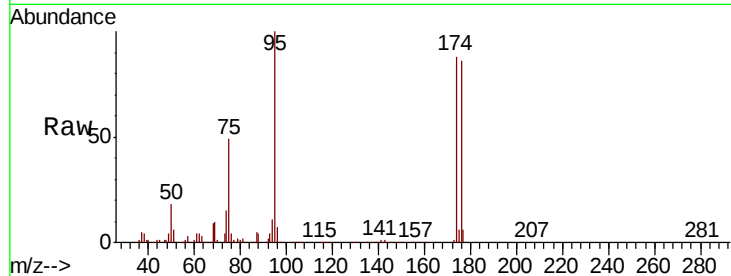




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

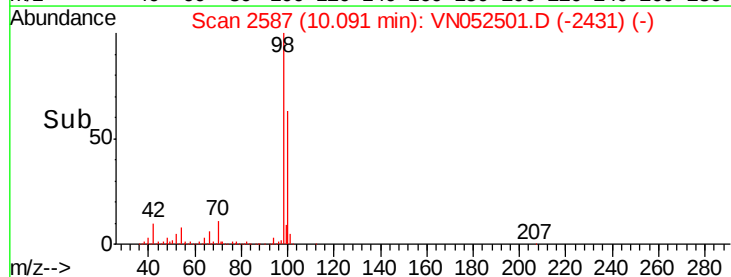
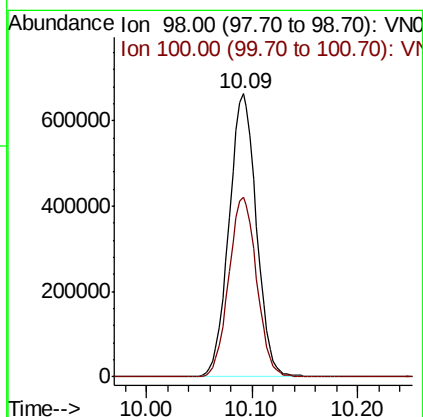
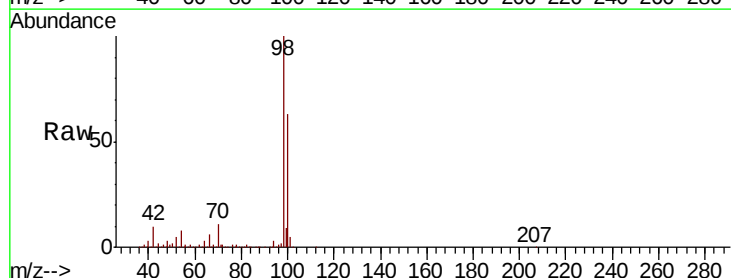
Instrument :
MSVOA_N
ClientSampled :
14B-2

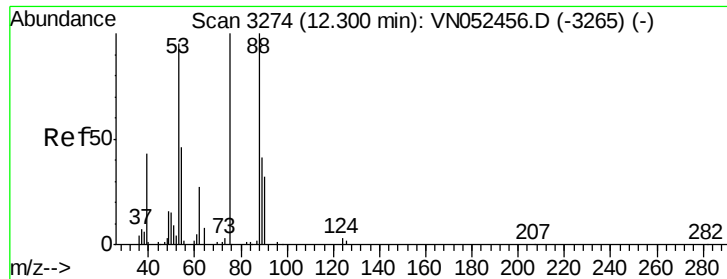
Tot Ion: 95 Resp: 337532
Ion Ratio Lower Upper
95 100
174 87.6 67.9 101.9
176 85.3 66.4 99.6



#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

Tgt Ion: 98 Resp: 1192381
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7





#77
t-1,4-Dichloro-2-butene
Concen: 56.748 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052501.D
Acq: 28 Nov 2018 2:05

Instrument :
MSVOA_N
ClientSampleId :
14B-2

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

