

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112718\
 Data File : VN052502.D
 Acq On : 28 Nov 2018 2:32
 Operator : MD\SY
 Sample : J6086-03 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Nov 28 06:20:26 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	174261	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	985551	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	817953	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	357847	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	315795	25.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.17%
63) Toluene-d8	10.09	98	1146509	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

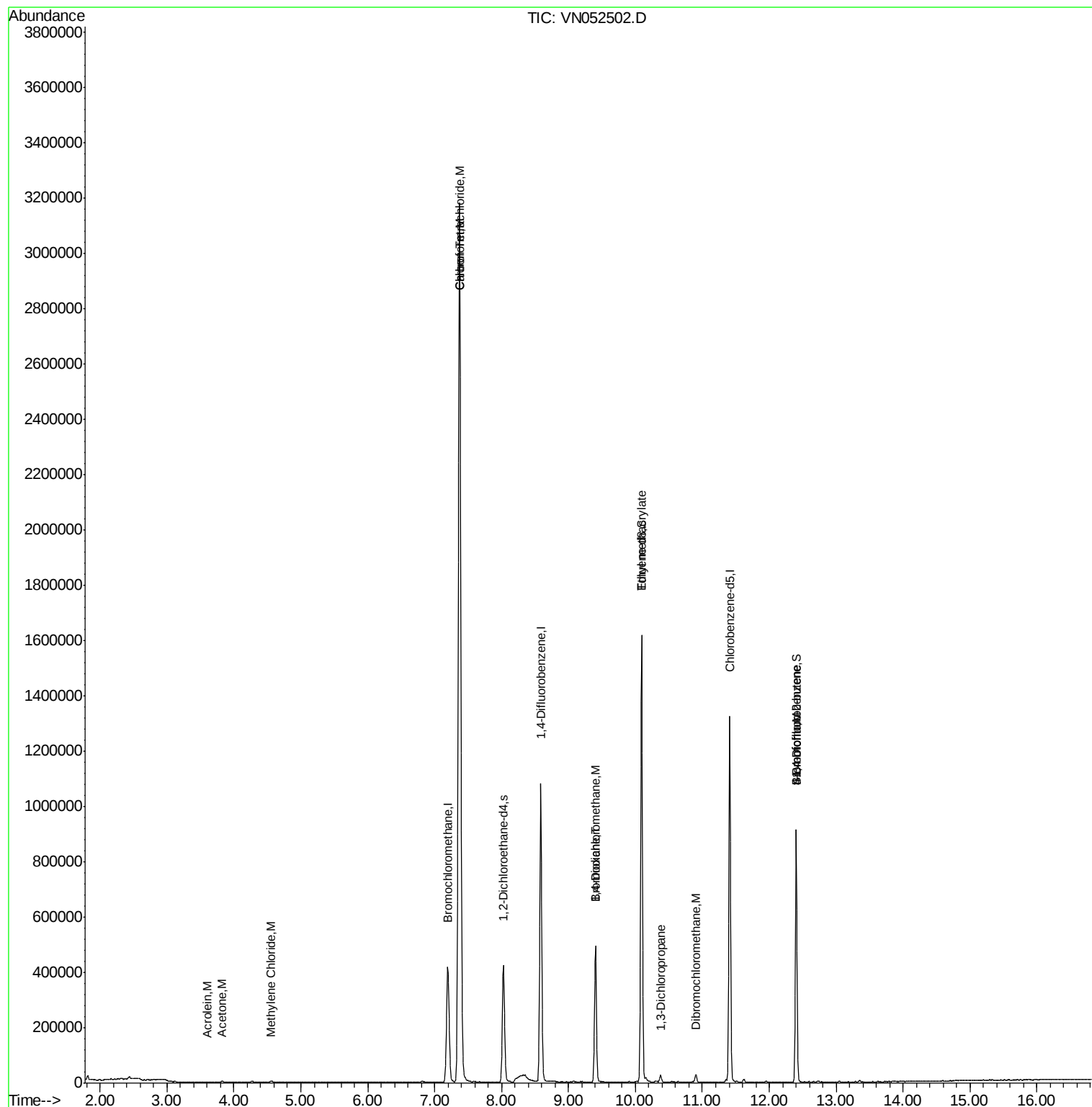
					Ovalue
13) Acrolein	3.61	56	548	0.562 ug/l #	65
15) Acetone	3.82	58	1155	1.261 ug/l #	44
18) Methylene Chloride	4.55	84	2428	0.215 ug/l	94
25) Chloroform	7.37	83	3436513	174.508 ug/l	99
33) Carbon Tetrachloride	7.37	117	39872	2.910 ug/l	99
41) Bromodichloromethane	9.40	83	351388	24.264 ug/l	98
45) 1,4-Dioxane	9.40	88	395	4.808 ug/l #	6
51) Ethyl methacrylate	10.09	69	3153	0.270 ug/l	75
52) 1,3-Dichloropropane	10.38	76	4633	0.280 ug/l	45
53) Dibromochloromethane	10.90	129	16523	1.615 ug/l	96
56) Bromoform	12.40	173	2041	0.305 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	151593	54.962 ug/l #	11

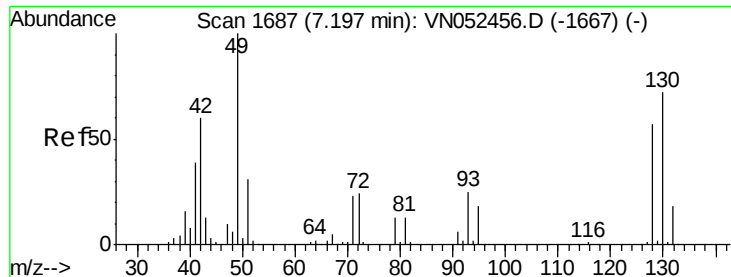
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 28 06:20:26 2018
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

Instrument :

MSVOA_N

ClientSampled :

14B-3

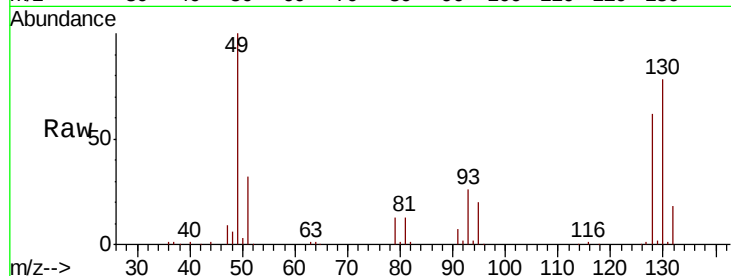
Tot Ion:128 Resp: 174261

Ion Ratio Lower Upper

128 100

49 163.8 0.0 431.8

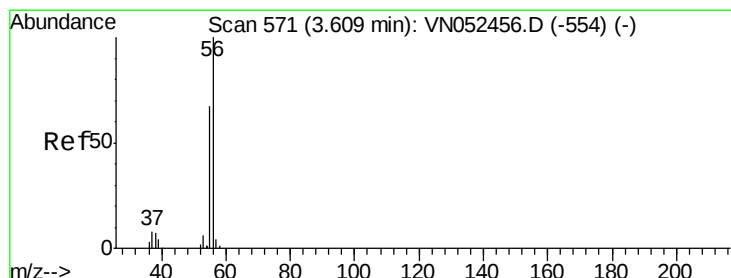
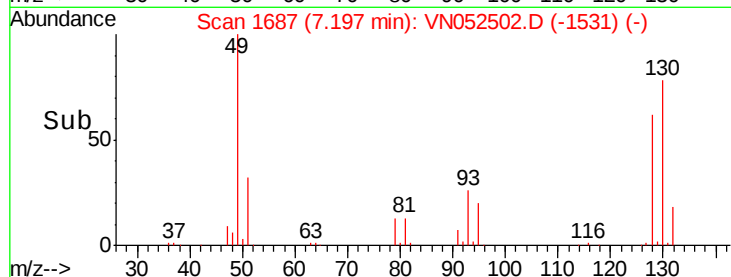
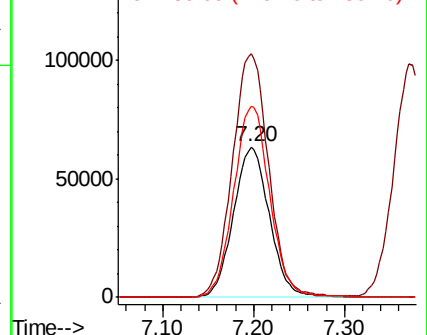
130 127.6 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.562 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052502.D

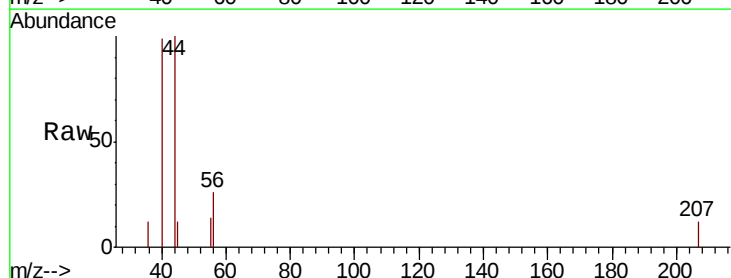
Acq: 28 Nov 2018 2:32

Tgt Ion: 56 Resp: 548

Ion Ratio Lower Upper

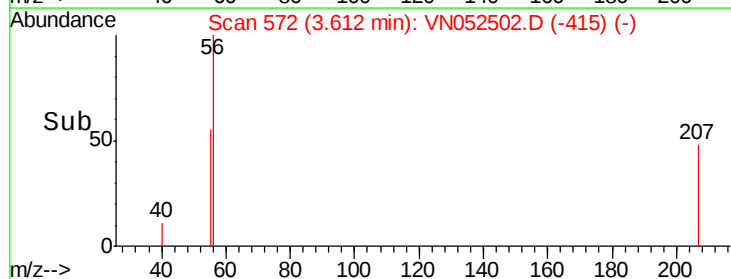
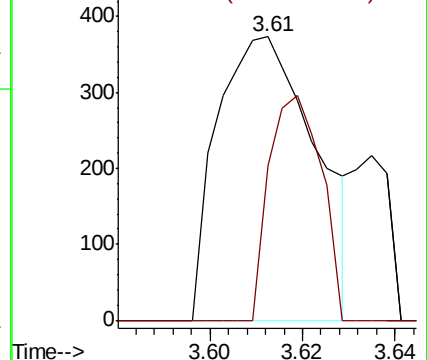
56 100

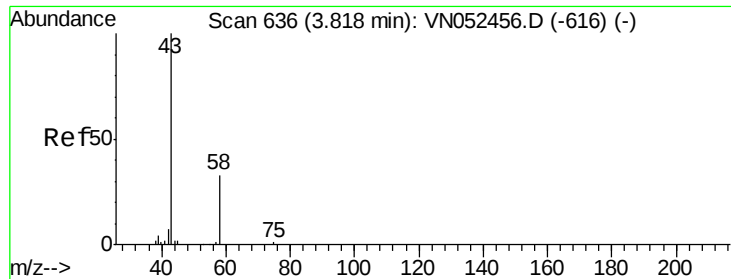
55 42.3 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

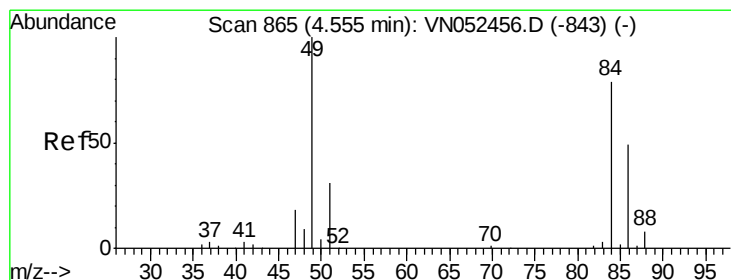
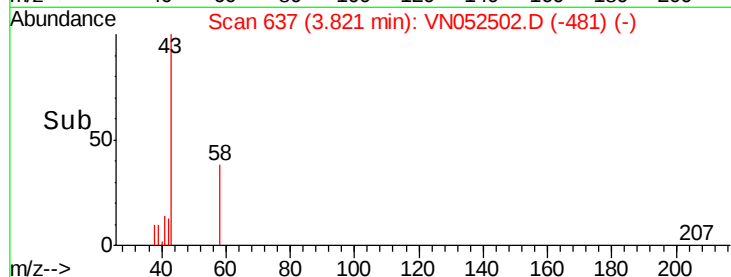
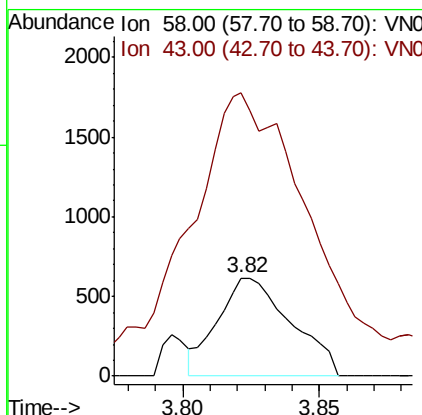
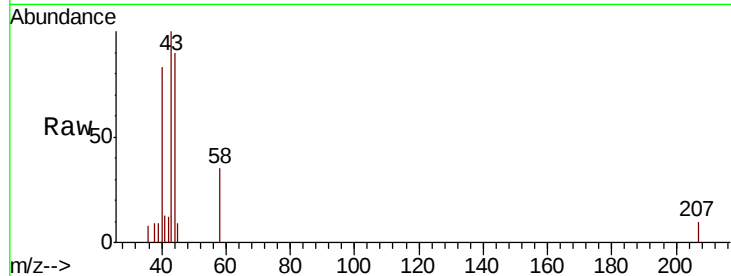




#15
Acetone
Concen: 1.261 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN052502.D
Acq: 28 Nov 2018 2:32

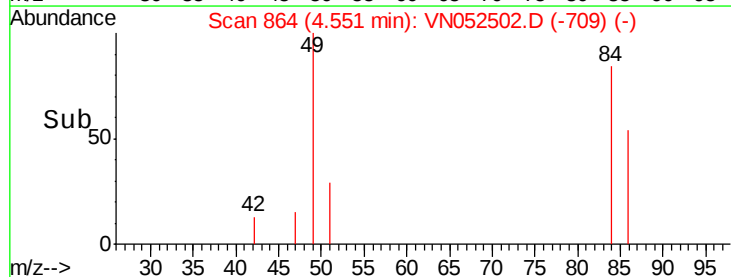
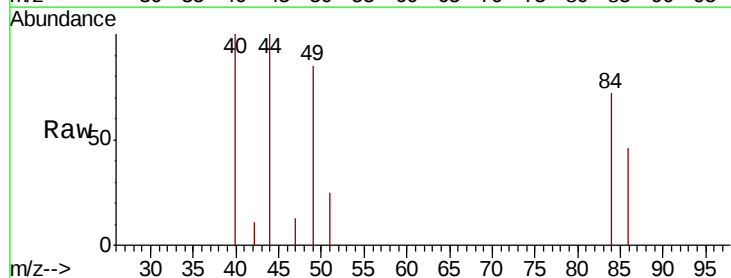
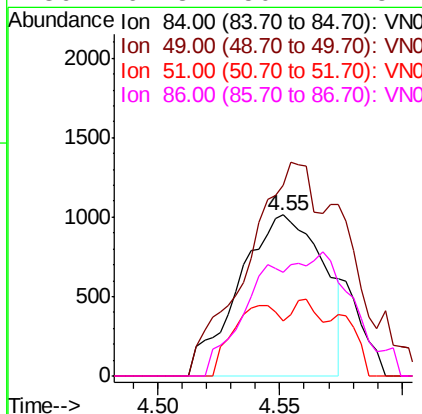
Instrument :
MSVOA_N
ClientSampled :
14B-3

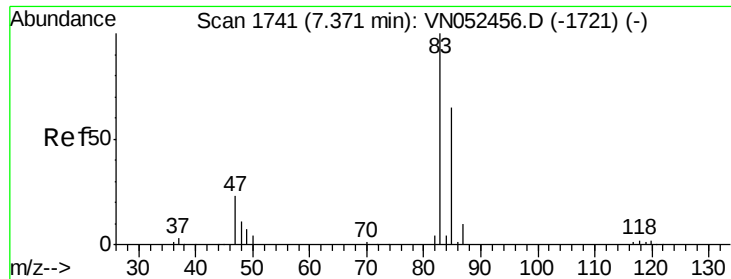
Tot Ion: 58 Resp: 1155
Ion Ratio Lower Upper
58 100
43 194.5 243.6 365.4#



#18
Methylene Chloride
Concen: 0.215 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052502.D
Acq: 28 Nov 2018 2:32

Tgt Ion: 84 Resp: 2428
Ion Ratio Lower Upper
84 100
49 118.6 101.4 152.0
51 34.5 31.7 47.5
86 64.3 50.1 75.1

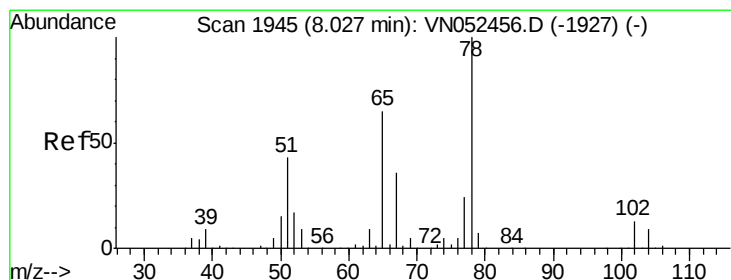
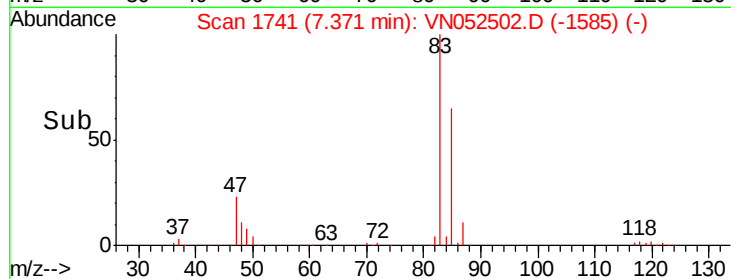
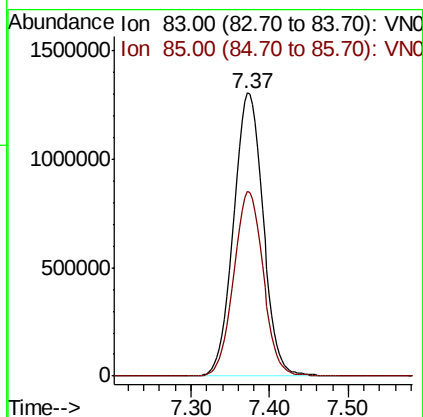
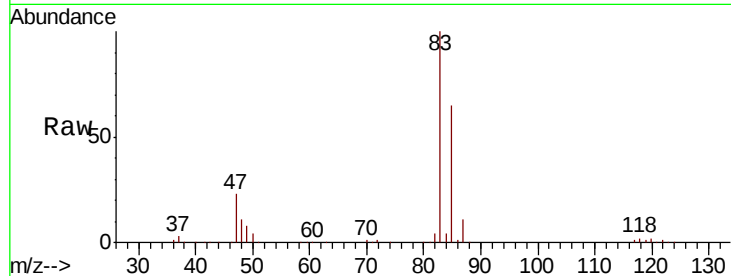




#25
Chloroform
Concen: 174.508 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052502.D
Acq: 28 Nov 2018 2:32

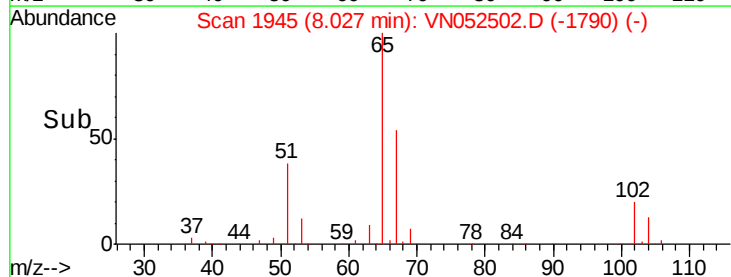
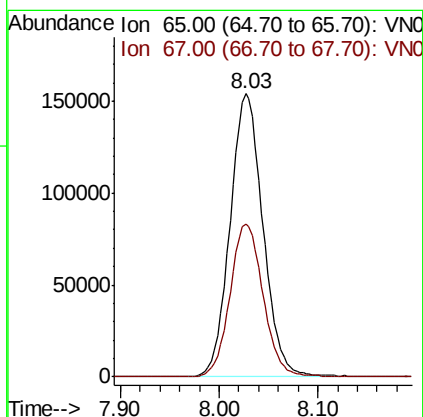
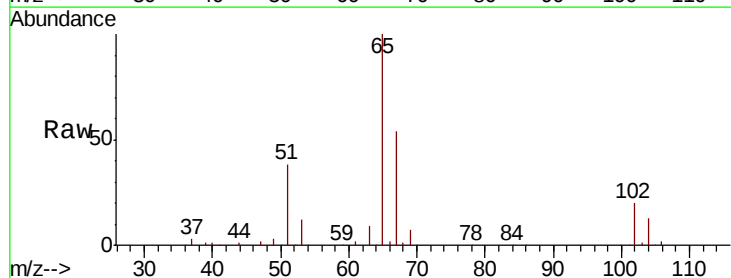
Instrument :
MSVOA_N
ClientSampled :
14B-3

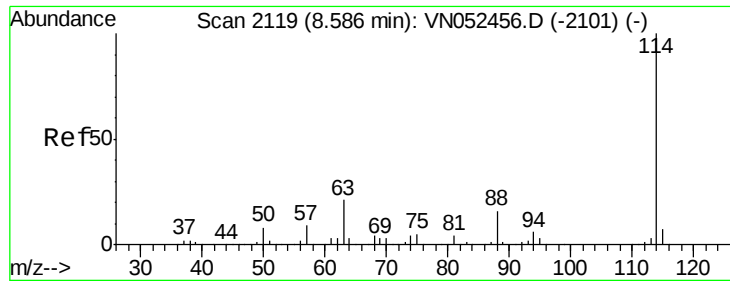
Tot Ion: 83 Resp: 3436513
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052502.D
Acq: 28 Nov 2018 2:32

Tgt Ion: 65 Resp: 357847
Ion Ratio Lower Upper
65 100
67 54.3 44.6 66.8

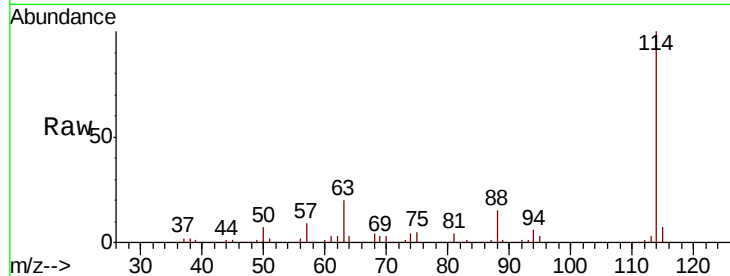




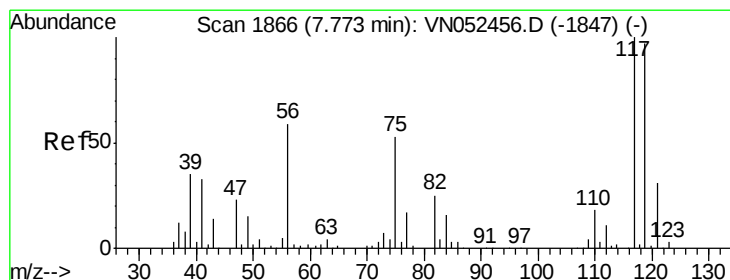
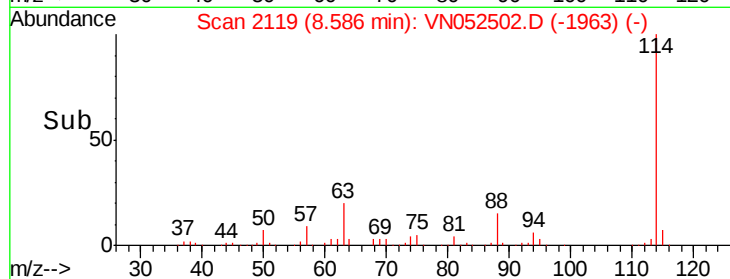
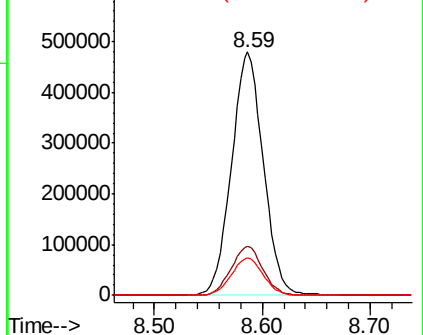
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052502.D
 Acq: 28 Nov 2018 2:32

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Tot Ion:114 Resp: 985551
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.9 25.3
 88 15.4 12.8 19.2

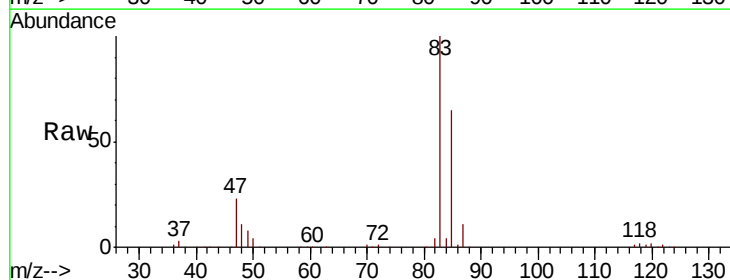


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

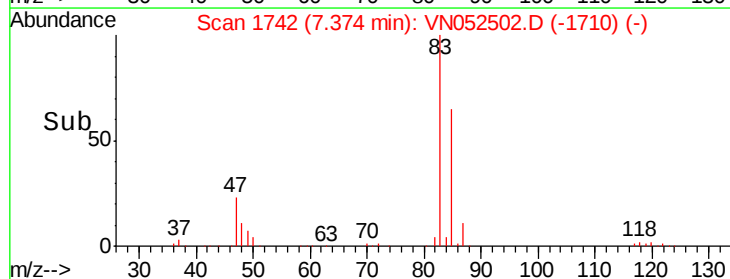
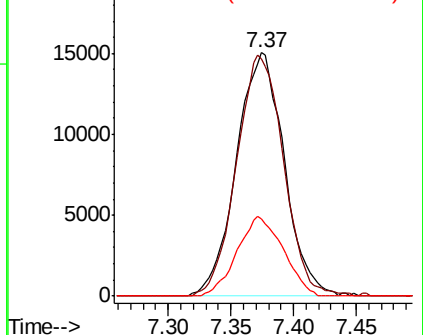


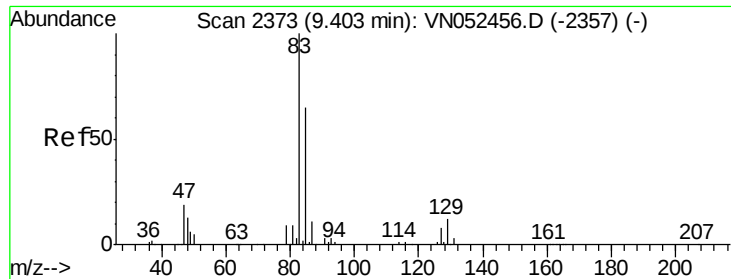
#33
 Carbon Tetrachloride
 Concen: 2.910 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. -0.40 min
 Lab File: VN052502.D
 Acq: 28 Nov 2018 2:32

Tgt Ion:117 Resp: 39872
 Ion Ratio Lower Upper
 117 100
 119 97.5 77.3 115.9
 121 31.8 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





#41

Bromodichloromethane

Concen: 24.264 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

Instrument :

MSVOA_N

ClientSampleId :

14B-3

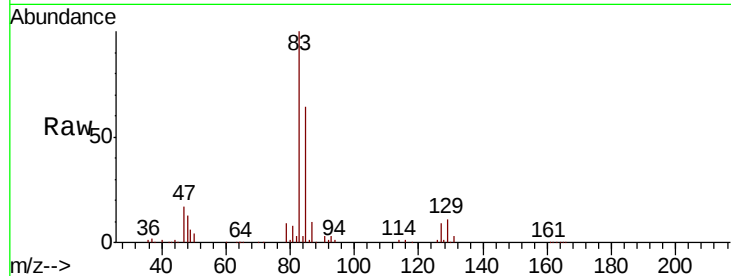
Tot Ion: 83 Resp: 351388

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6

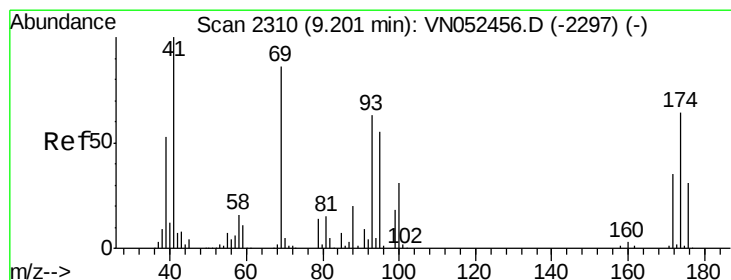
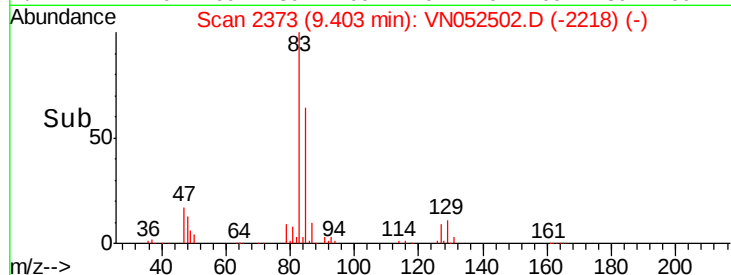
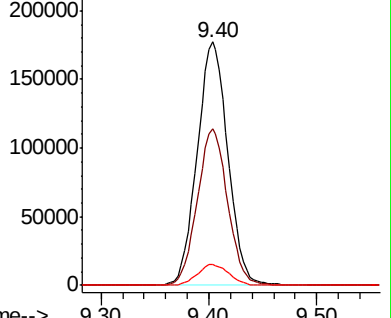
127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052502.D (-2154) (-)

Ion 85.00 (84.70 to 85.70): VN052502.D (-2154) (-)

Ion 127.00 (126.70 to 127.70): VN052502.D (-2154) (-)



#45

1,4-Dioxane

Concen: 4.808 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.20 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

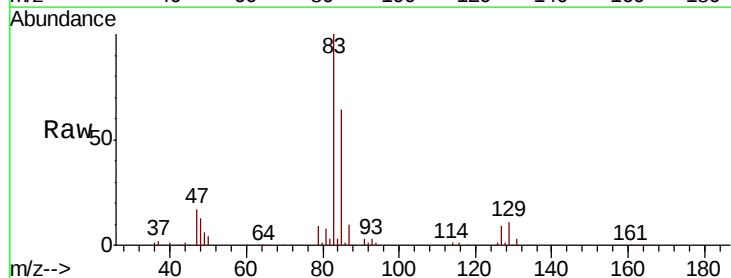
Tgt Ion: 88 Resp: 395

Ion Ratio Lower Upper

88 100

43 99.2 29.5 44.3#

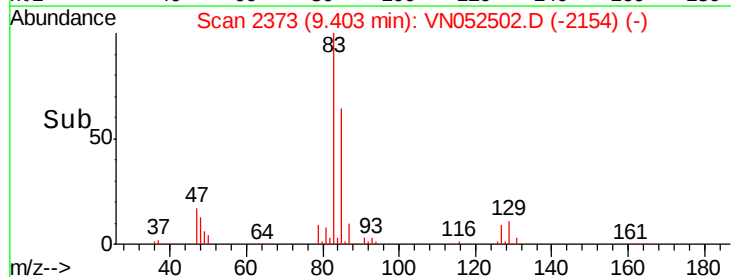
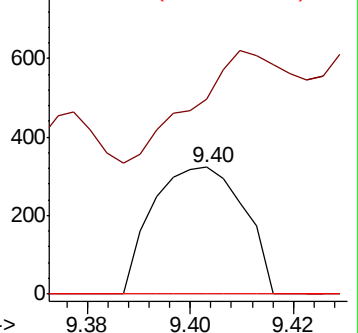
58 0.0 61.5 92.3#

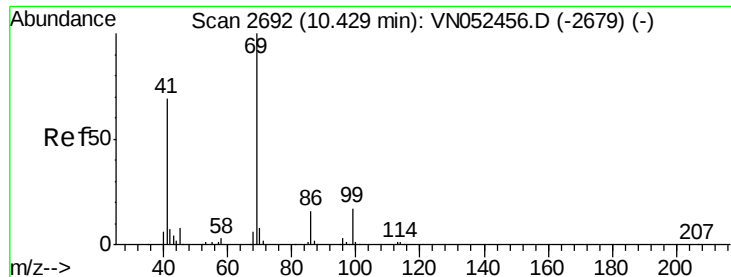


Abundance Ion 88.00 (87.70 to 88.70): VN052502.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN052502.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN052502.D (-2154) (-)





#51

Ethyl methacrylate

Concen: 0.270 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

Instrument :

MSVOA_N

ClientSampled :

14B-3

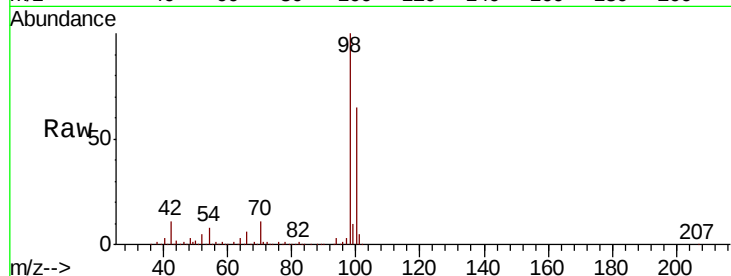
Tot Ion: 69 Resp: 3153

Ion Ratio Lower Upper

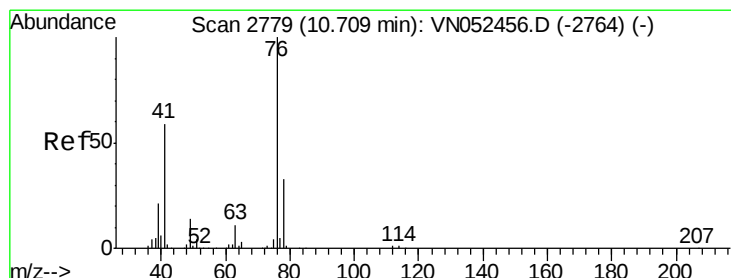
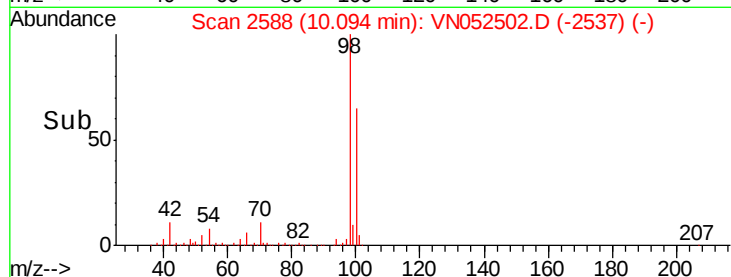
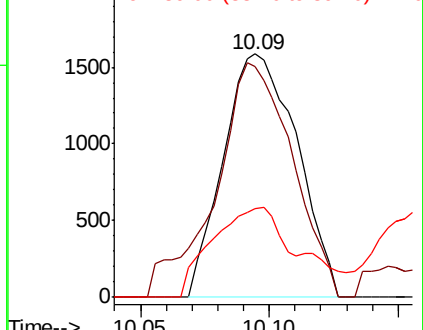
69 100

41 94.6 34.4 103.3

39 25.9 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: 0.280 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.33 min

Lab File: VN052502.D

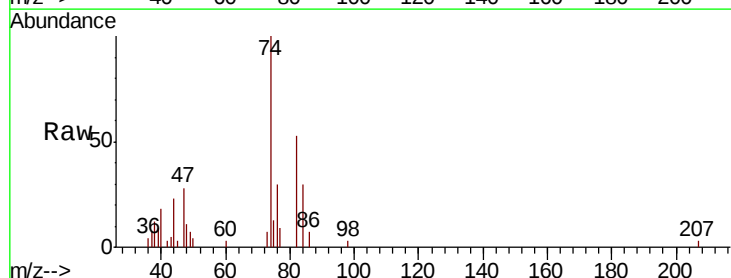
Acq: 28 Nov 2018 2:32

Tgt Ion: 76 Resp: 4633

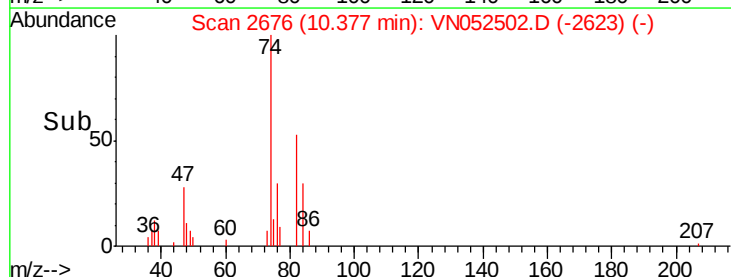
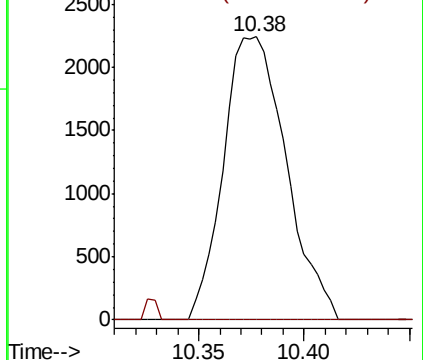
Ion Ratio Lower Upper

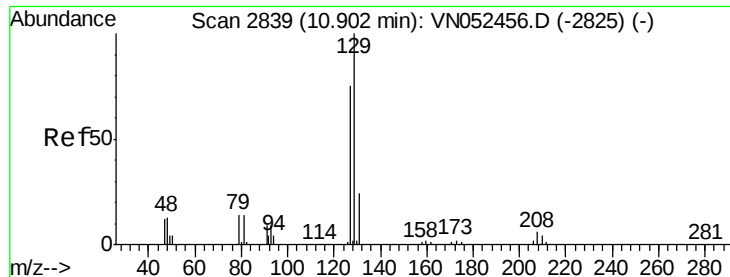
76 100

78 1.3 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: 1.615 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

Instrument :

MSVOA_N

ClientSampled :

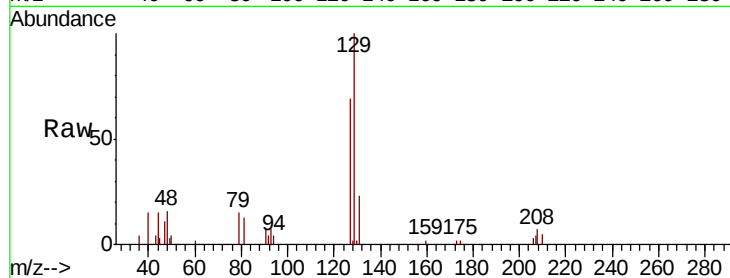
14B-3

Tot Ion:129 Resp: 16523

Ion Ratio Lower Upper

129 100

127 72.0 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

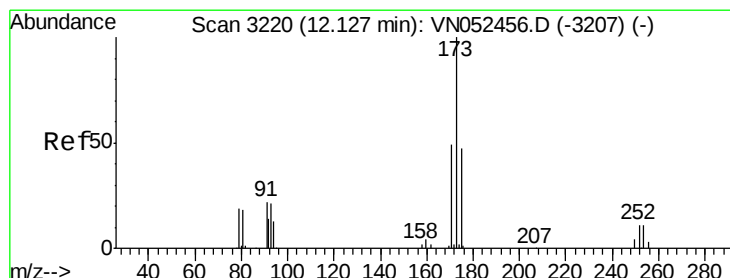
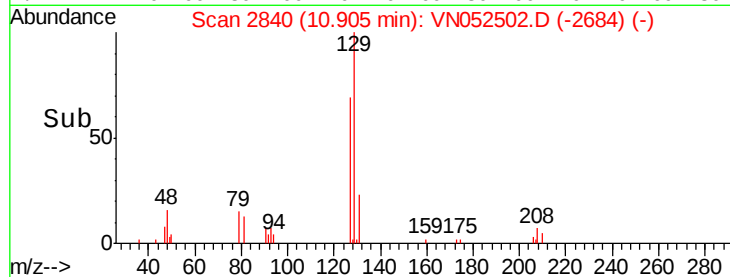
6000

4000

2000

0

Time-->



#56

Bromoform

Concen: 0.305 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

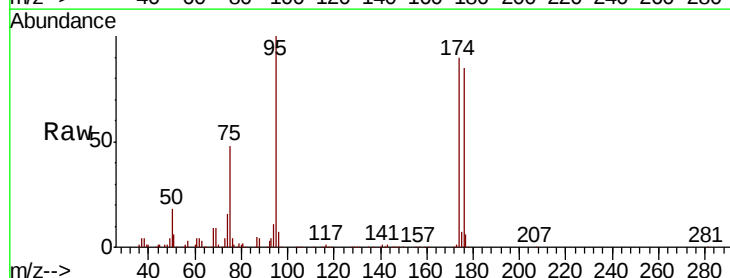
Tgt Ion:173 Resp: 2041

Ion Ratio Lower Upper

173 100

175 998.2 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

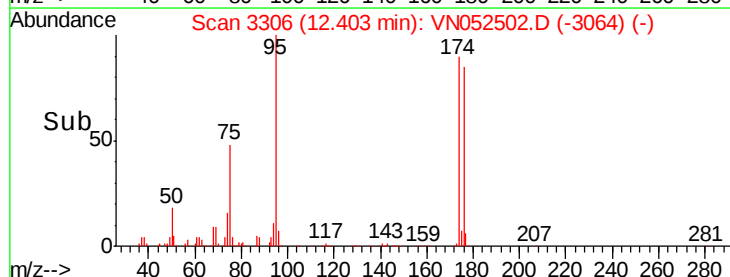
15000

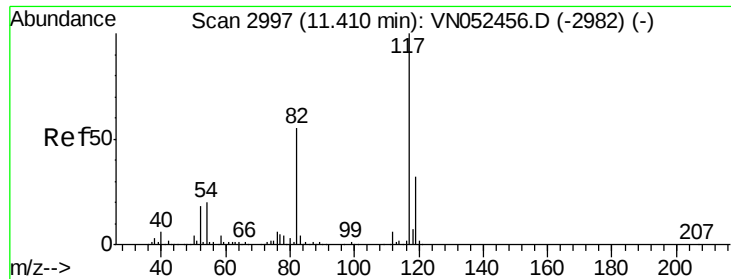
10000

5000

0

Time-->

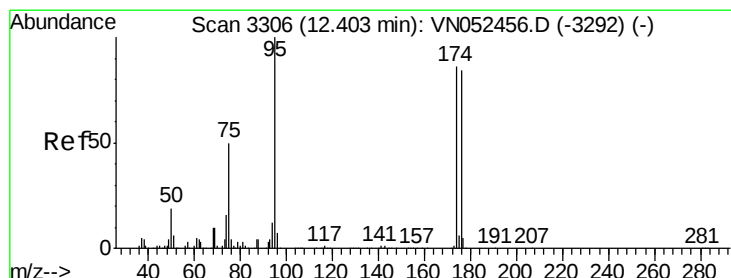
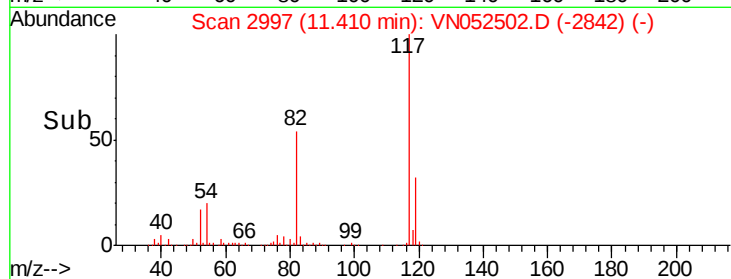
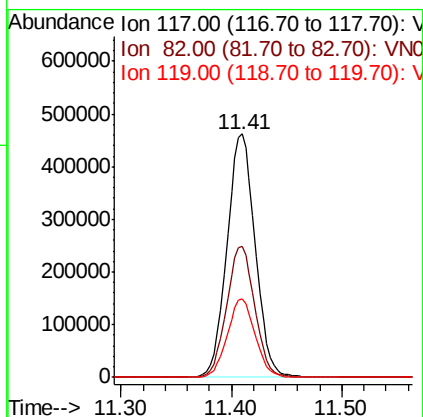
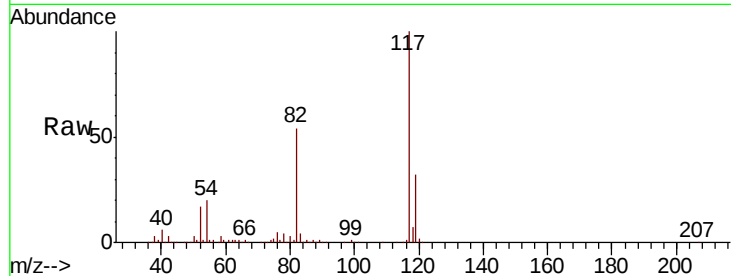




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052502.D
Acq: 28 Nov 2018 2:32

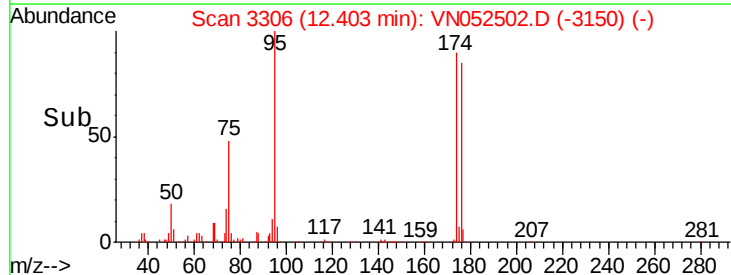
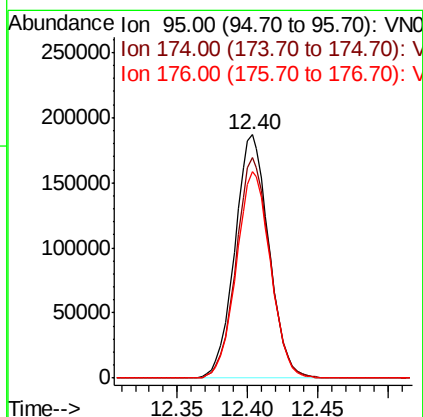
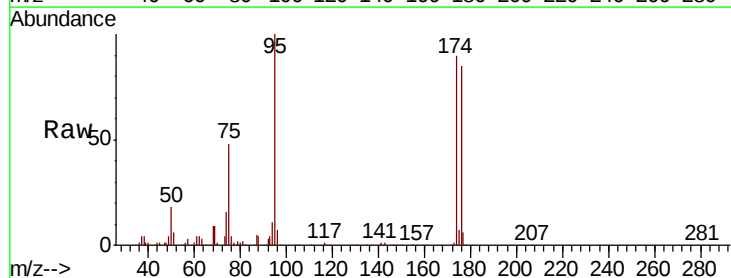
Instrument :
MSVOA_N
ClientSampled :
14B-3

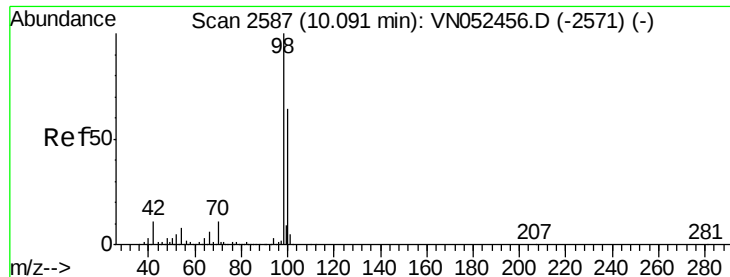
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.2	66.2
119	31.9	25.4	38.2



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052502.D
Acq: 28 Nov 2018 2:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	67.9	101.9
176	85.1	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: VN052502.D

Acq: 28 Nov 2018 2:32

Instrument :

MSVOA_N

ClientSampled :

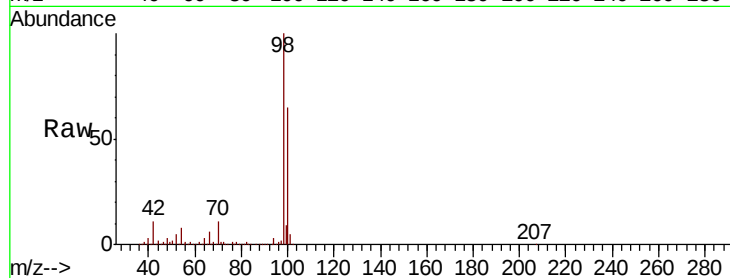
14B-3

Tot Ion: 98 Resp: 1146509

Ion Ratio Lower Upper

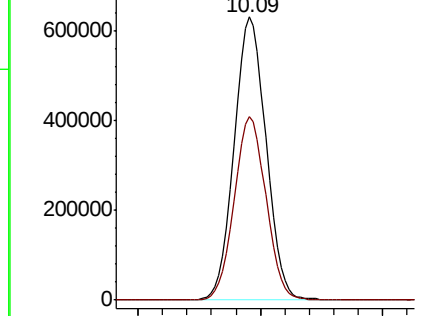
98 100

100 64.7 51.1 76.7

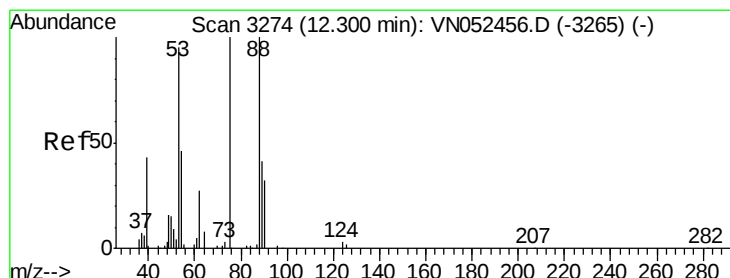
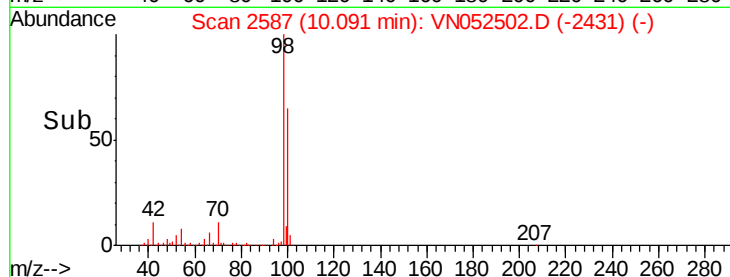


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 54.962 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052502.D

Acq: 28 Nov 2018 2:32

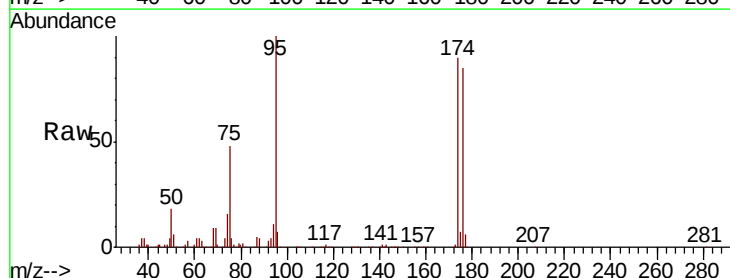
Tgt Ion: 75 Resp: 151593

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

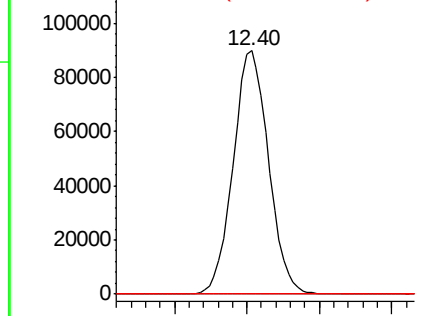
89 0.0 21.7 65.1#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



Time-->

