

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052584.D
 Acq On : 30 Nov 2018 00:37
 Operator : MD\SY
 Sample : J6144-02 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Nov 30 04:03:42 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	170981	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	973948	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	795392	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	349445	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.40	95	319503	26.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.57%
63) Toluene-d8	10.09	98	1118516	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

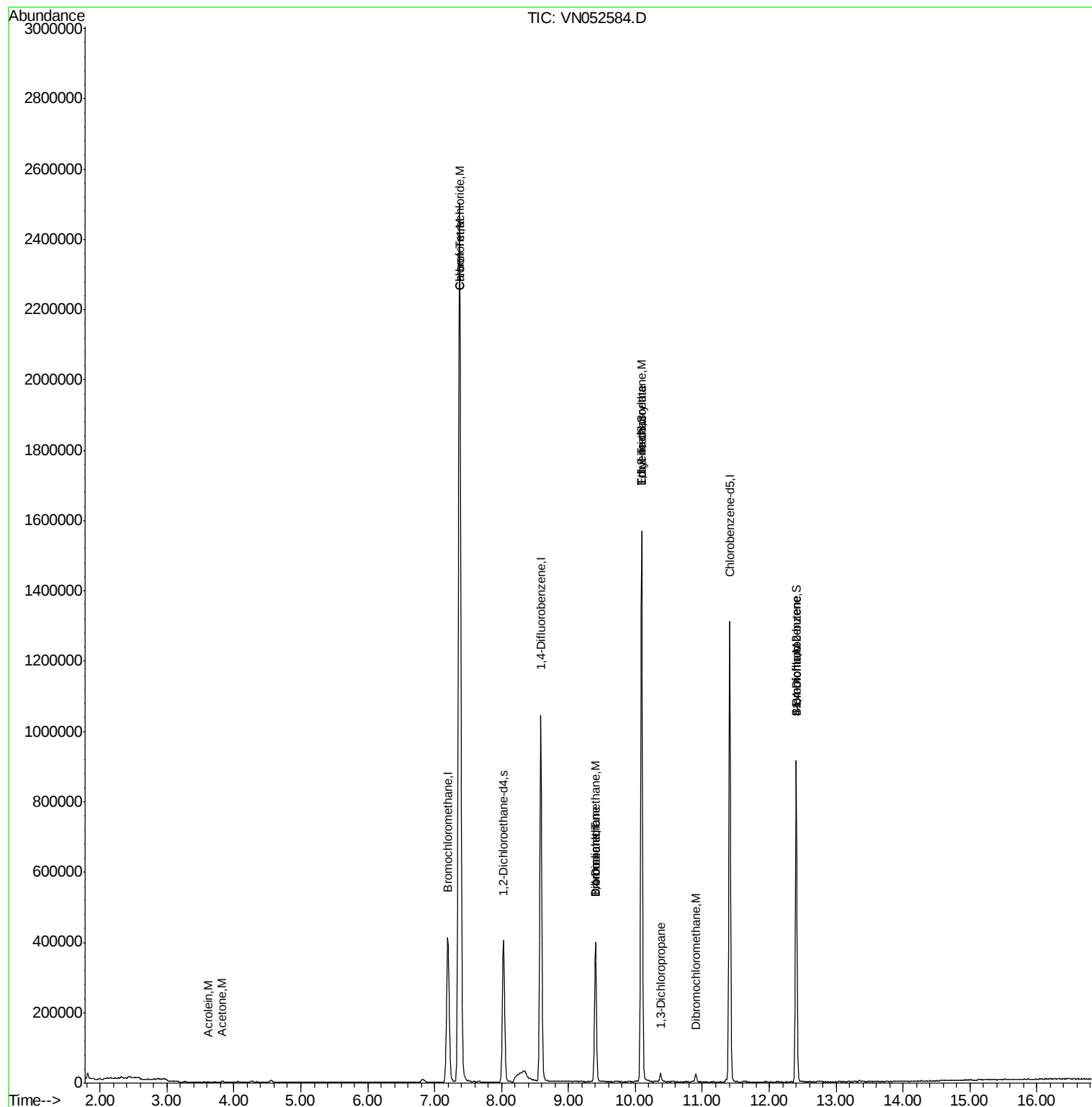
					Ovalue
13) Acrolein	3.62	56	340	0.355 ug/l	87
15) Acetone	3.82	58	277	0.308 ug/l	76
25) Chloroform	7.37	83	2734663	141.531 ug/l	100
33) Carbon Tetrachloride	7.37	117	31455	2.323 ug/l	94
40) Dibromomethane	9.40	93	8498	1.312 ug/l #	3
41) Bromodichloromethane	9.40	83	278438	19.456 ug/l	98
45) 1,4-Dioxane	9.39	88	95	1.170 ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	31961	3.481 ug/l #	1
51) Ethyl methacrylate	10.10	69	3356	0.291 ug/l	94
52) 1,3-Dichloropropane	10.37	76	4439	0.272 ug/l #	42
53) Dibromochloromethane	10.90	129	12429	1.230 ug/l	100
56) Bromoform	12.40	173	2412	0.365 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	151755	56.582 ug/l #	11

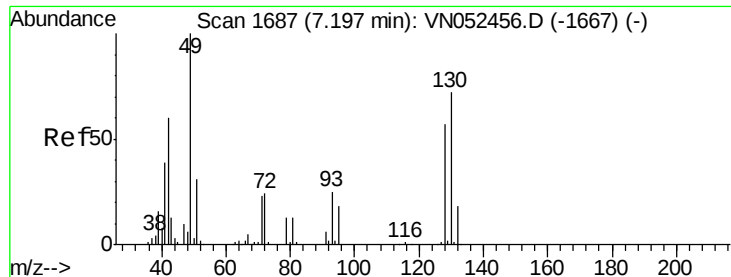
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 30 04:03:42 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: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampled :

14B-2

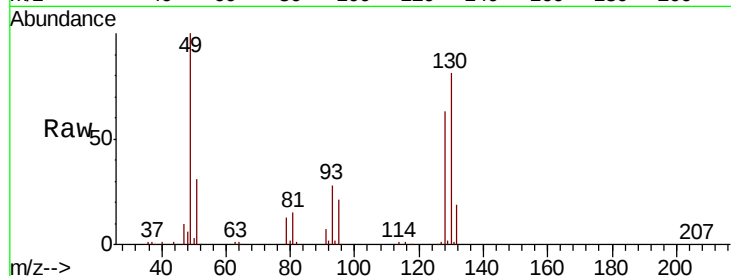
Tot Ion:128 Resp: 170981

Ion Ratio Lower Upper

128 100

49 159.7 0.0 431.8

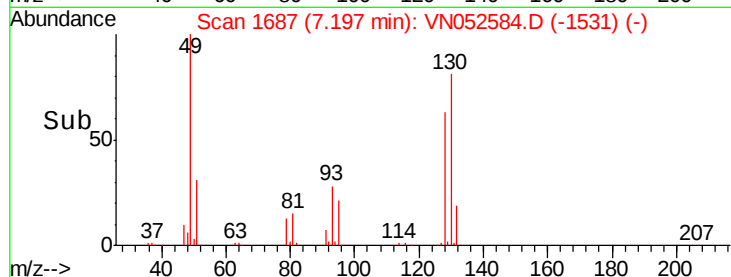
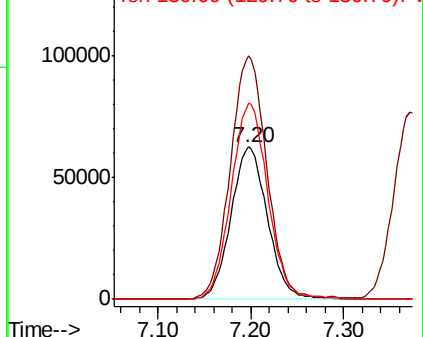
130 129.5 0.0 317.0



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: 0.355 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052584.D

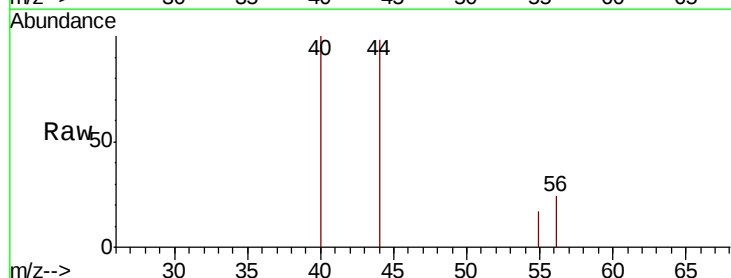
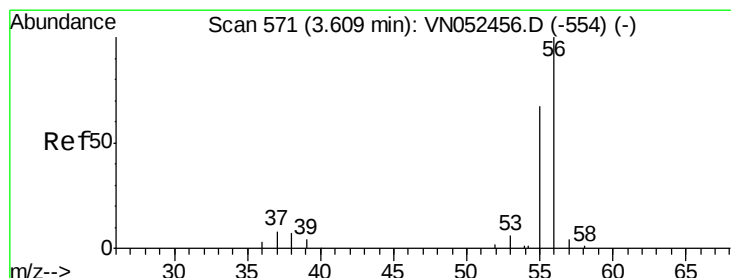
Acq: 30 Nov 2018 00:37

Tgt Ion: 56 Resp: 340

Ion Ratio Lower Upper

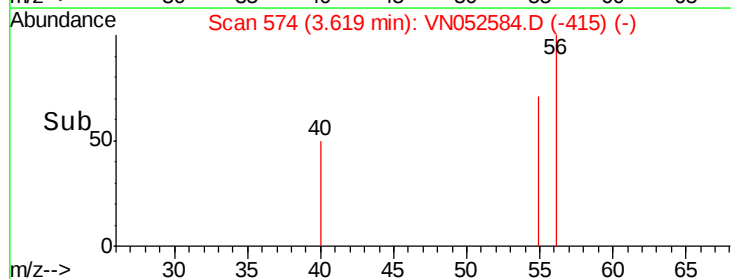
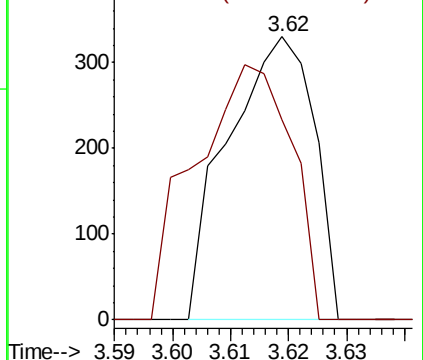
56 100

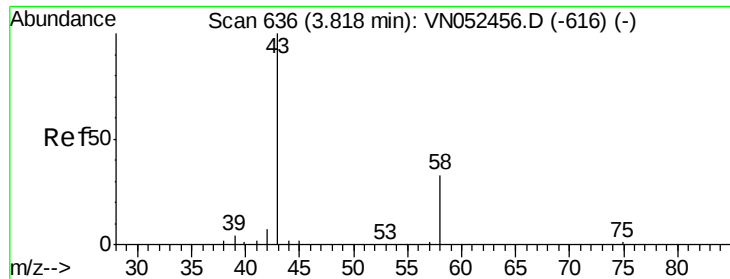
55 81.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 0.308 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampled :

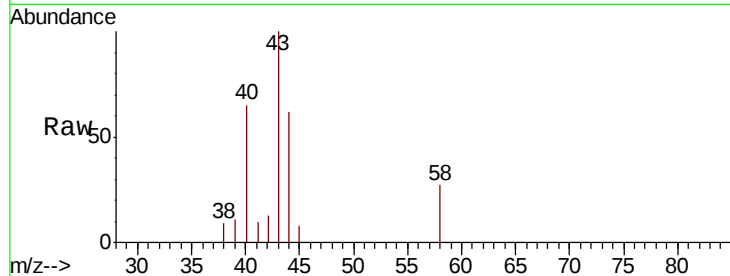
14B-2

Tot Ion: 58 Resp: 277

Ion Ratio Lower Upper

58 100

43 352.9 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052584.D (-480) (-)

Ion 43.00 (42.70 to 43.70): VN052584.D (-480) (-)

2500

2000

1500

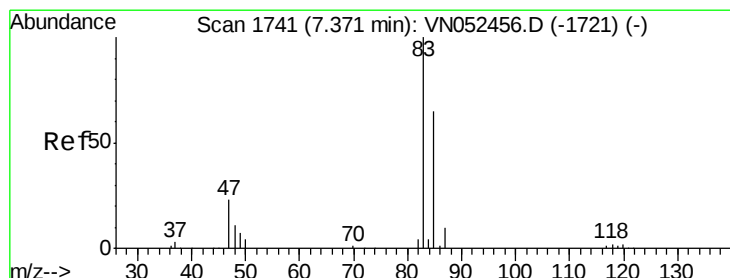
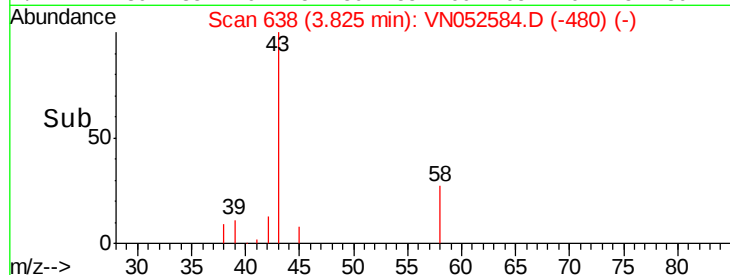
1000

500

0

3.81 3.82 3.83 3.84

Time-->



#25

Chloroform

Concen: 141.531 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052584.D

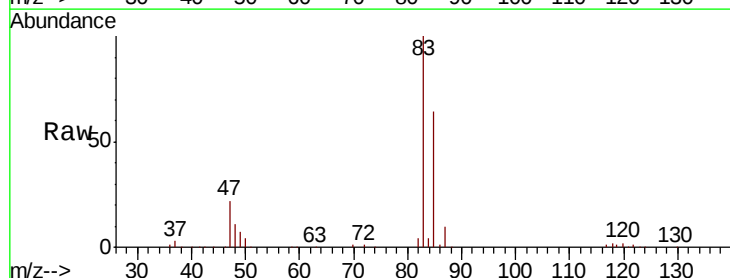
Acq: 30 Nov 2018 00:37

Tgt Ion: 83 Resp: 2734663

Ion Ratio Lower Upper

83 100

85 64.5 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN052584.D (-1585) (-)

Ion 85.00 (84.70 to 85.70): VN052584.D (-1585) (-)

1200000

1000000

800000

600000

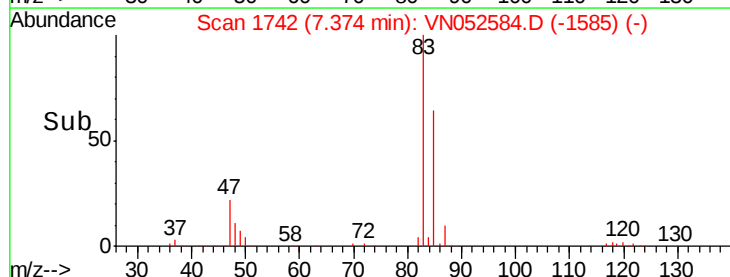
400000

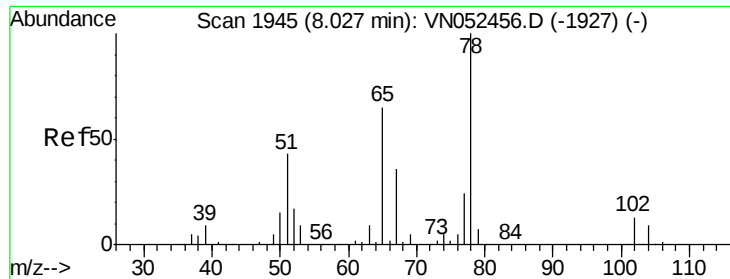
200000

0

7.20 7.30 7.40 7.50

Time-->

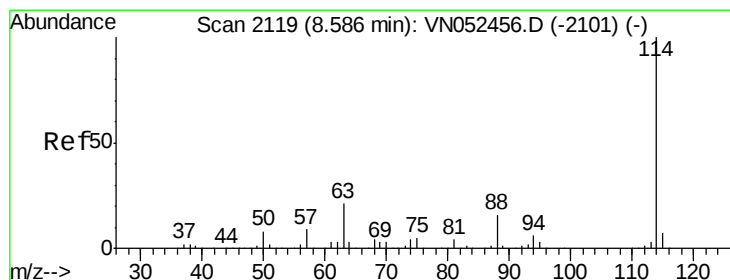
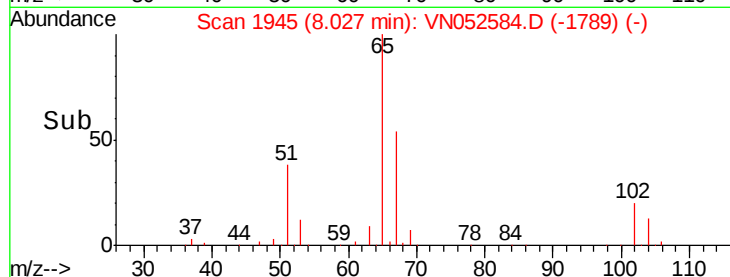
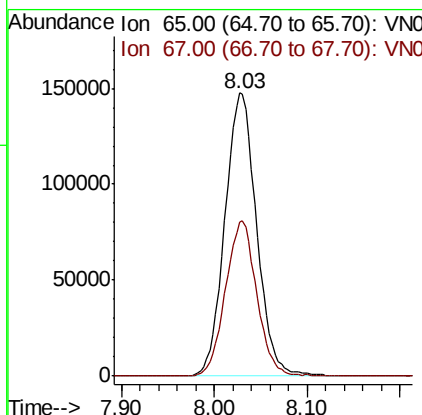
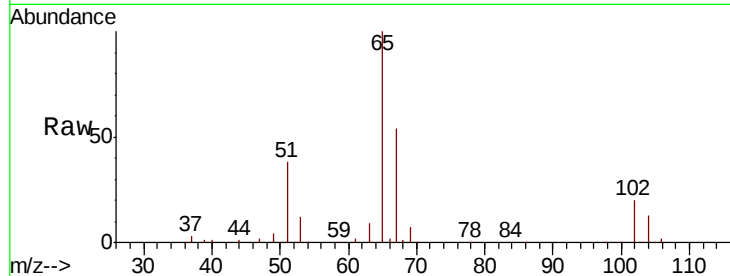




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052584.D
 Acq: 30 Nov 2018 00:37

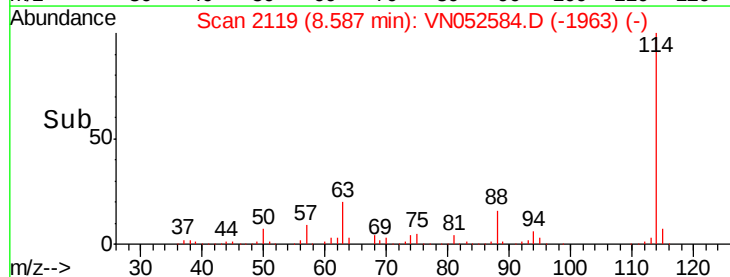
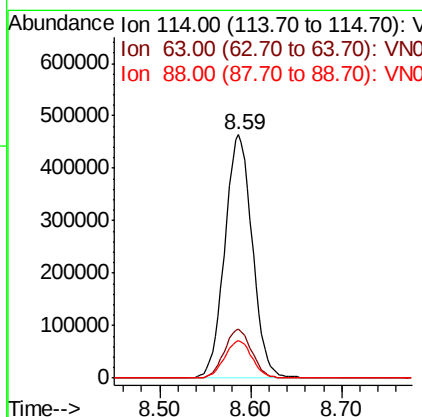
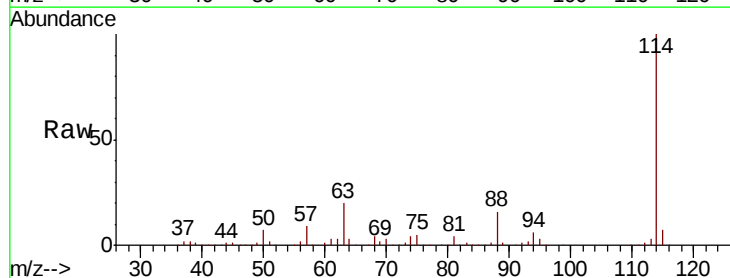
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

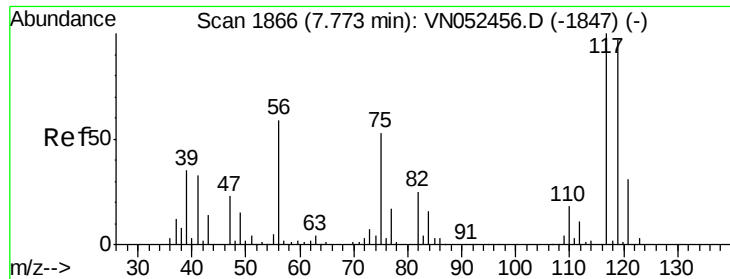
Tot Ion: 65 Resp: 349445
 Ion Ratio Lower Upper
 65 100
 67 54.0 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052584.D
 Acq: 30 Nov 2018 00:37

Tgt Ion: 114 Resp: 973948
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.3 12.8 19.2





#33

Carbon Tetrachloride

Concen: 2.323 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.40 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampleId :

14B-2

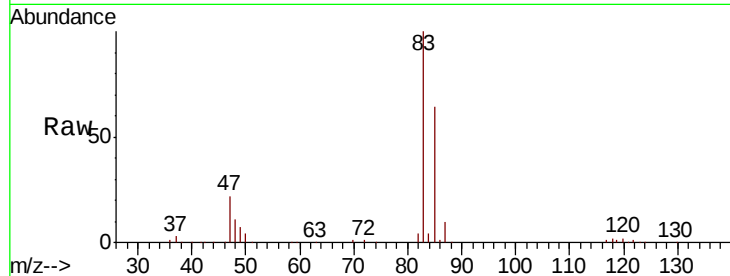
Tot Ion:117 Resp: 31455

Ion Ratio Lower Upper

117 100

119 89.8 77.3 115.9

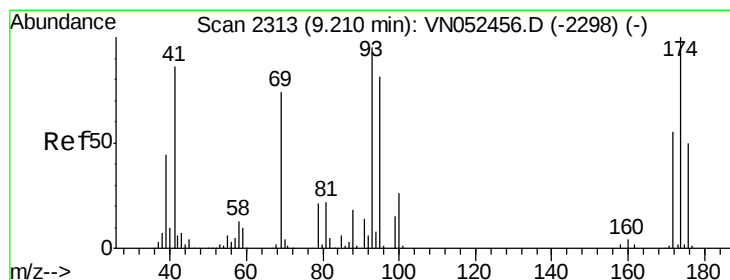
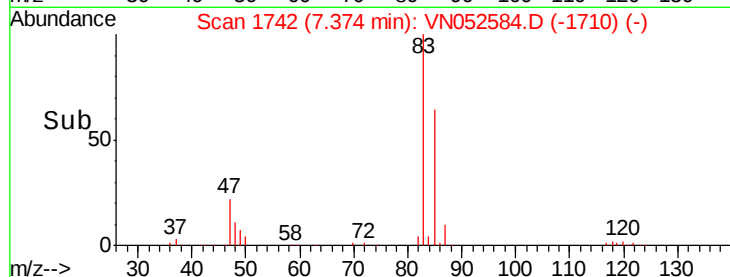
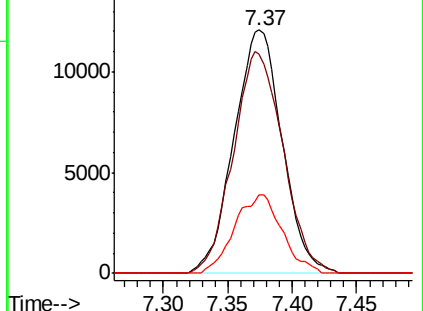
121 32.0 24.9 37.3



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: 1.312 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.19 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

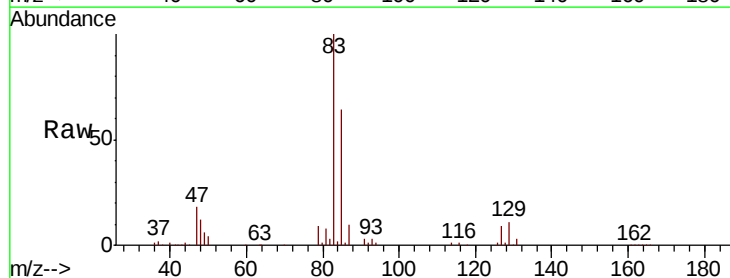
Tgt Ion: 93 Resp: 8498

Ion Ratio Lower Upper

93 100

95 1.3 0.0 168.4

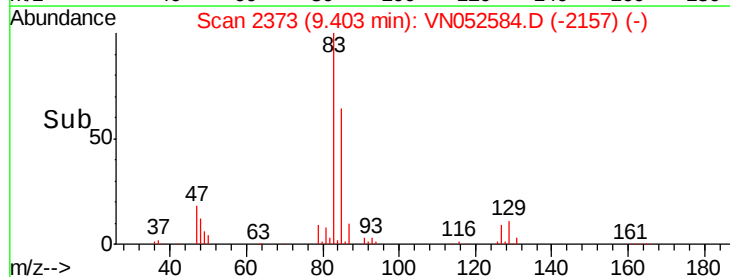
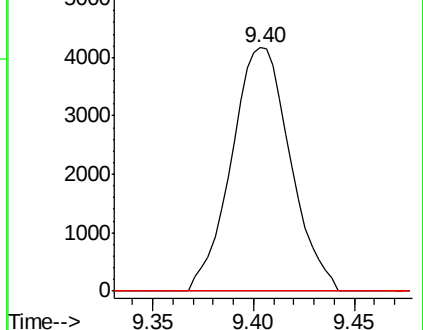
174 0.0 0.0 210.0

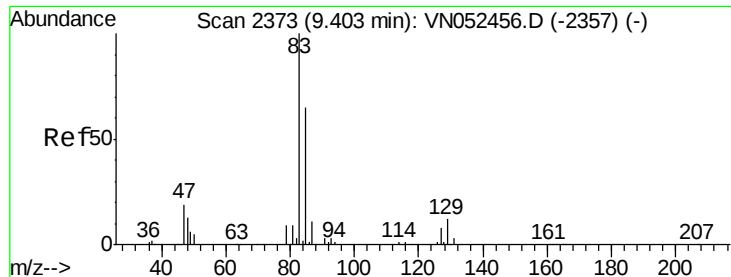


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.456 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampleId :

14B-2

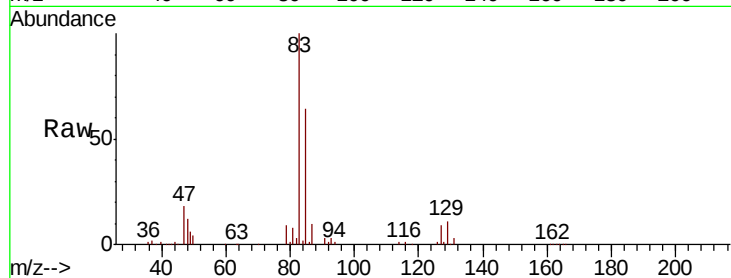
Tot Ion: 83 Resp: 278438

Ion Ratio Lower Upper

83 100

85 63.9 52.4 78.6

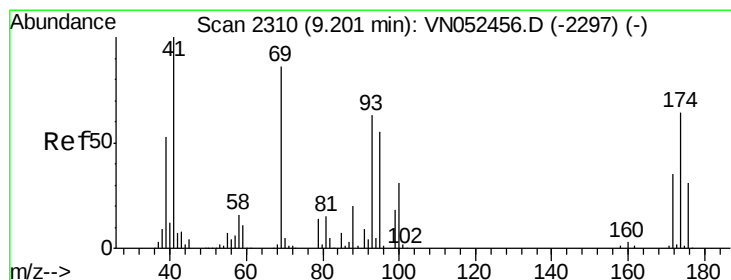
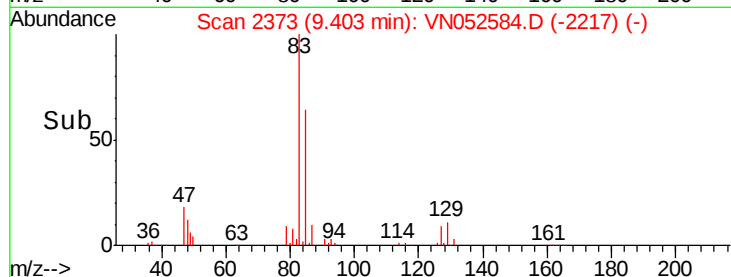
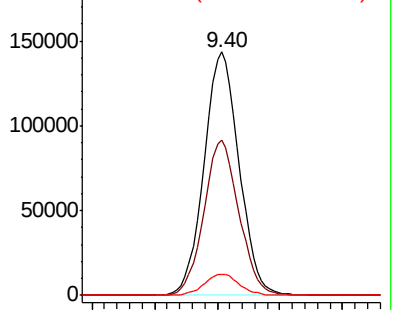
127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052584.D (-2154) (-)

Ion 85.00 (84.70 to 85.70): VN052584.D (-2154) (-)

Ion 127.00 (126.70 to 127.70): VN052584.D (-2154) (-)



#45

1,4-Dioxane

Concen: 1.170 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.19 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

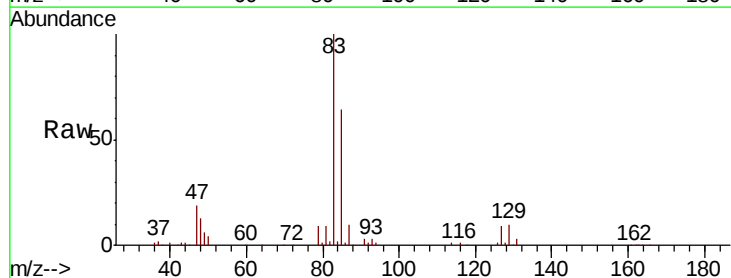
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

43 242.1 29.5 44.3#

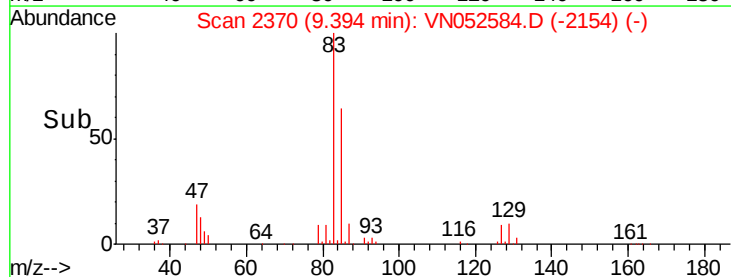
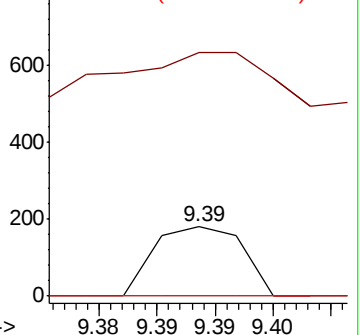
58 0.0 61.5 92.3#

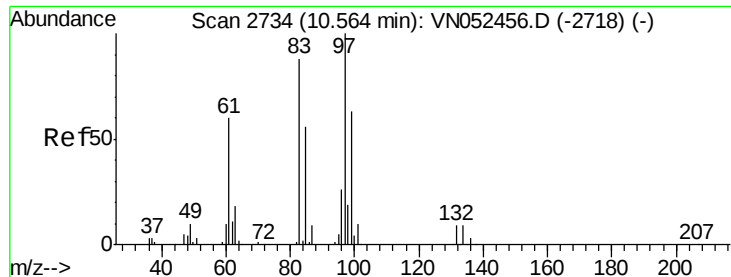


Abundance Ion 88.00 (87.70 to 88.70): VN052584.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN052584.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN052584.D (-2154) (-)





#50

1,1,2-Trichloroethane

Concen: 3.481 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampleId :

14B-2

Tot Ion: 97 Resp: 31961

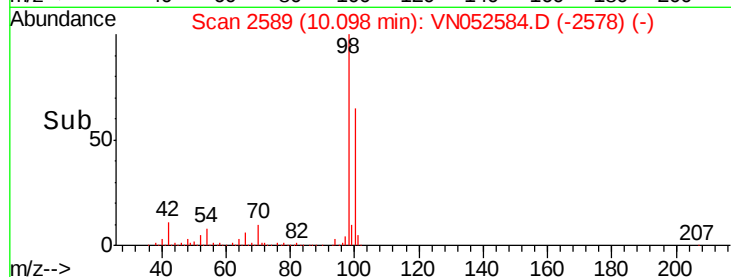
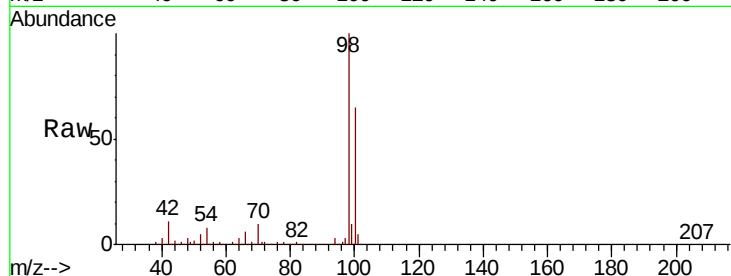
Ion Ratio Lower Upper

97 100

83 2.3 70.4 105.6#

85 0.0 45.0 67.6#

99 284.1 50.2 75.2#

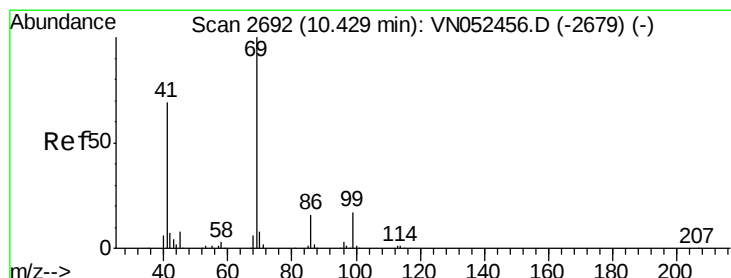
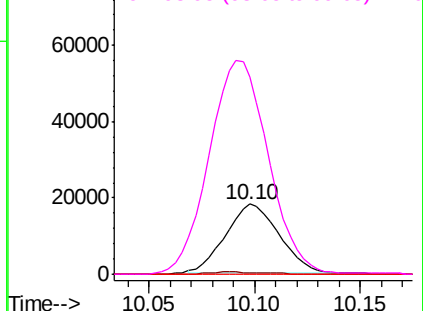


Abundance Ion 97.00 (96.70 to 97.70): VNO

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: 0.291 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

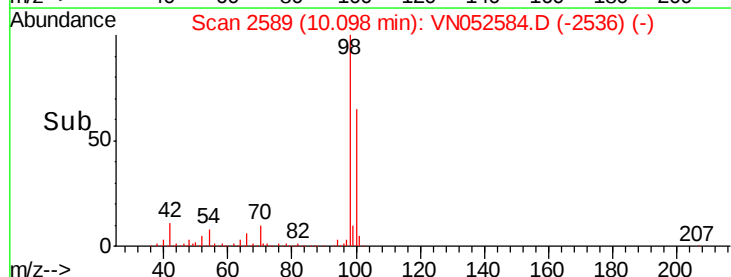
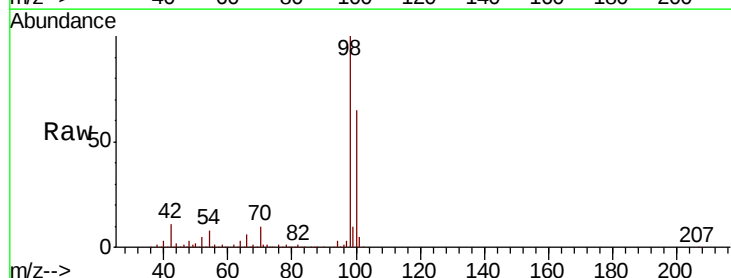
Tgt Ion: 69 Resp: 3356

Ion Ratio Lower Upper

69 100

41 65.3 34.4 103.3

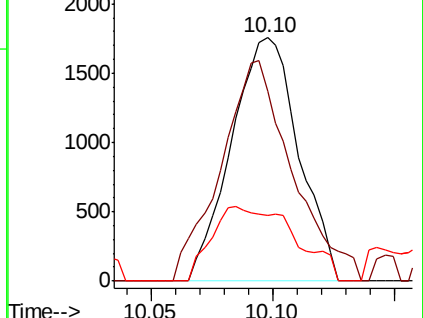
39 26.8 16.4 49.2

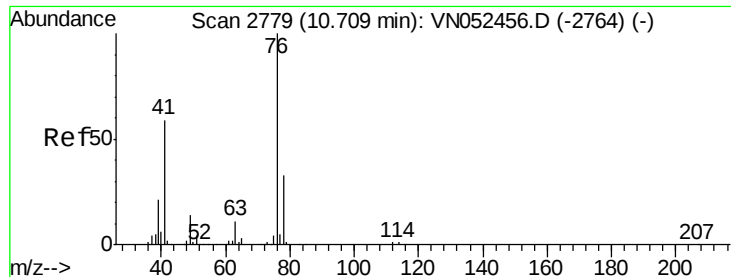


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#52

1,3-Dichloropropane

Concen: 0.272 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.33 min

Lab File: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampled :

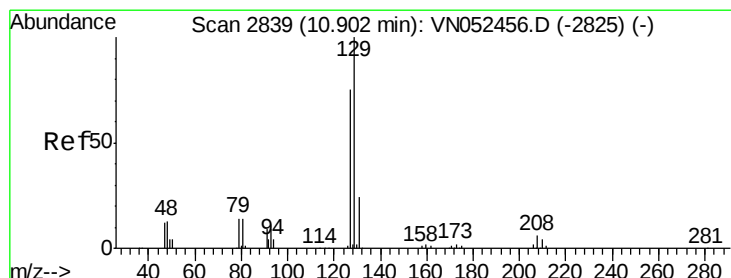
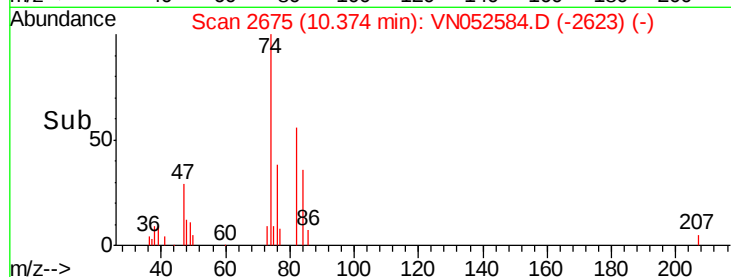
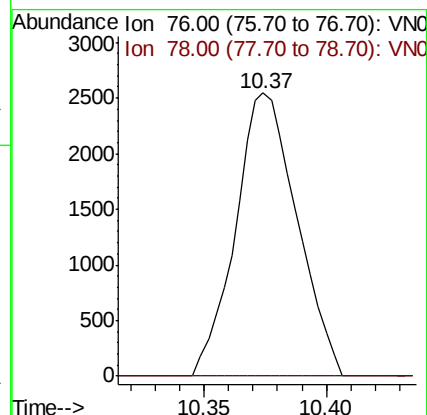
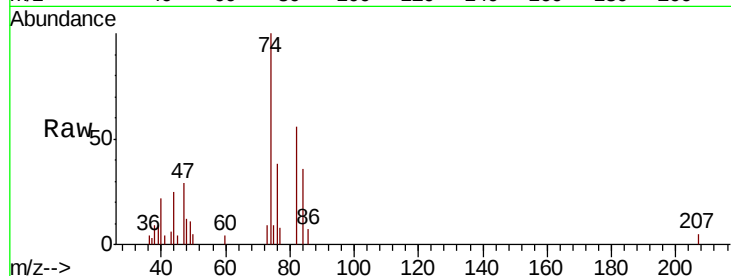
14B-2

Tot Ion: 76 Resp: 4439

Ion Ratio Lower Upper

76 100

78 0.0 0.0 64.8



#53

Dibromochloromethane

Concen: 1.230 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052584.D

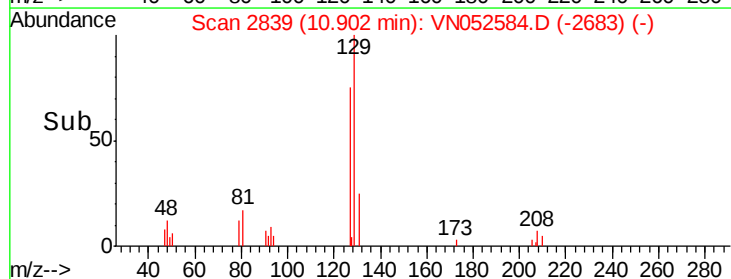
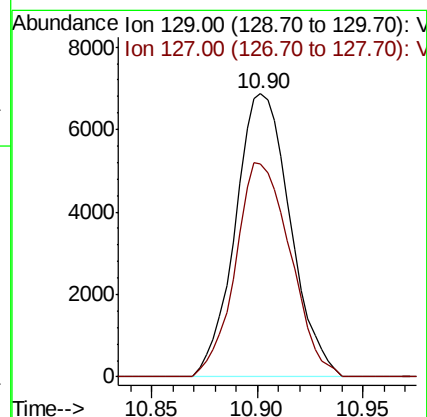
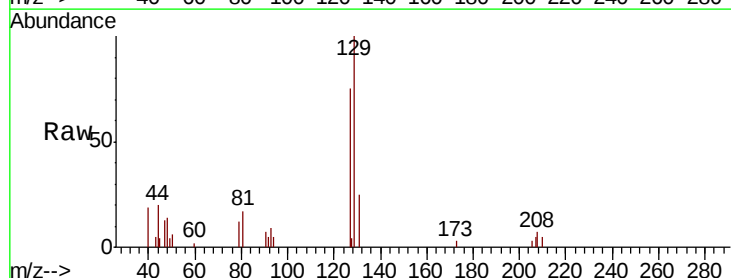
Acq: 30 Nov 2018 00:37

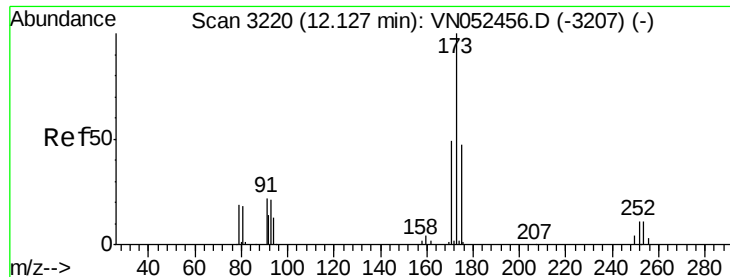
Tgt Ion: 129 Resp: 12429

Ion Ratio Lower Upper

129 100

127 75.6 37.6 112.8

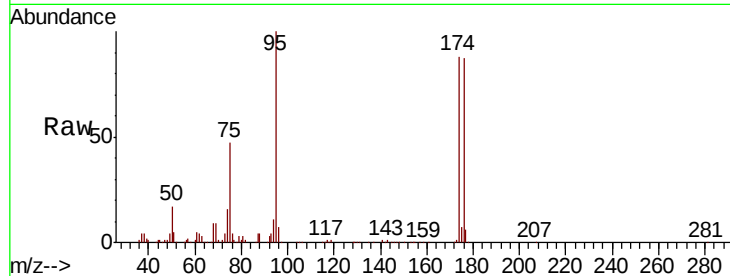




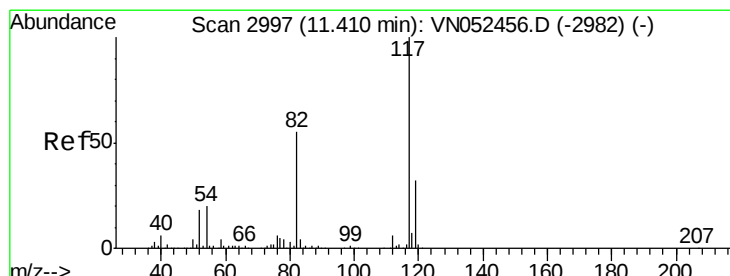
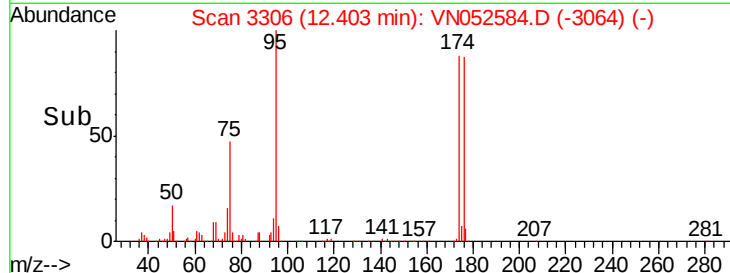
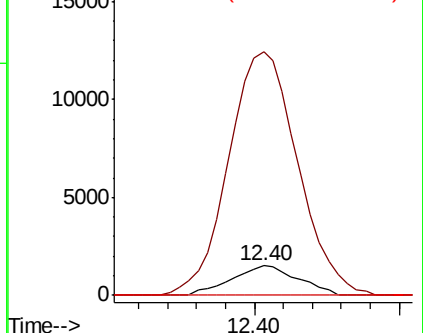
#56
Bromoform
Concen: 0.365 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052584.D
Acq: 30 Nov 2018 00:37

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Tot Ion:173 Resp: 2412
Ion Ratio Lower Upper
173 100
175 853.5 38.7 58.1#
254 0.0 8.4 12.6#

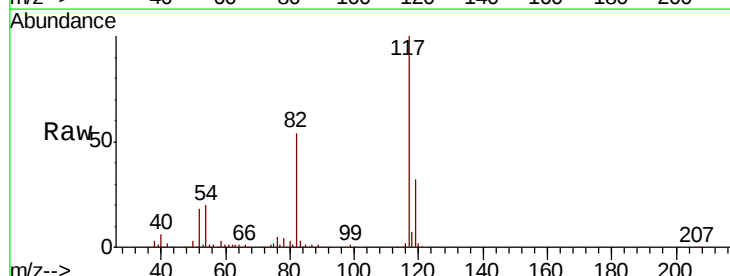


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

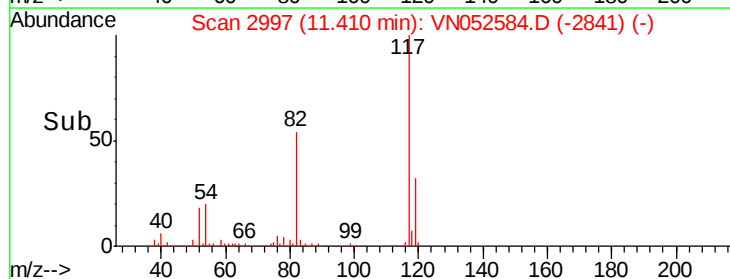
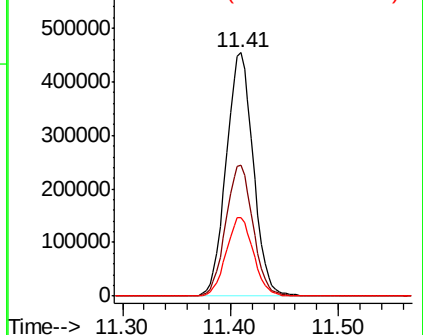


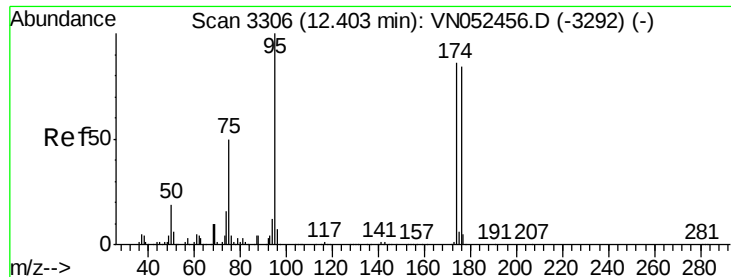
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052584.D
Acq: 30 Nov 2018 00:37

Tgt Ion:117 Resp: 795392
Ion Ratio Lower Upper
117 100
82 54.4 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: VN052584.D

Acq: 30 Nov 2018 00:37

Instrument :

MSVOA_N

ClientSampled :

14B-2

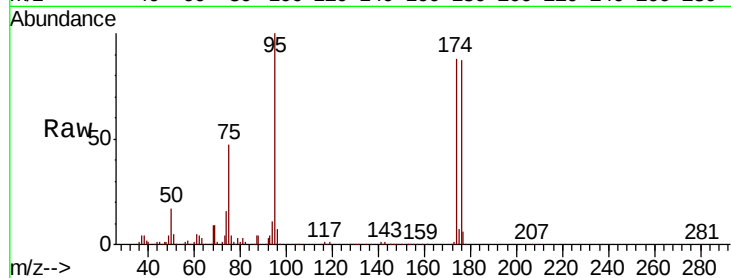
Tot Ion: 95 Resp: 319503

Ion Ratio Lower Upper

95 100

174 87.3 67.9 101.9

176 84.9 66.4 99.6

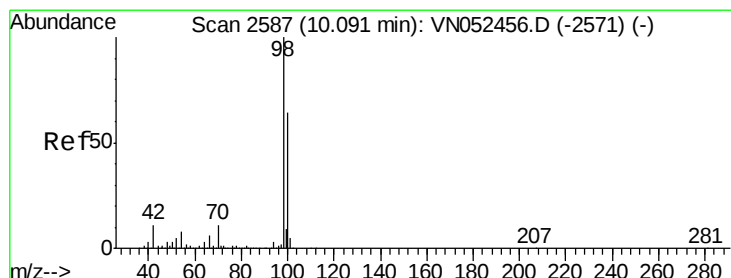
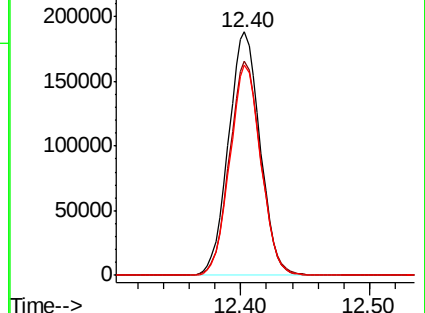
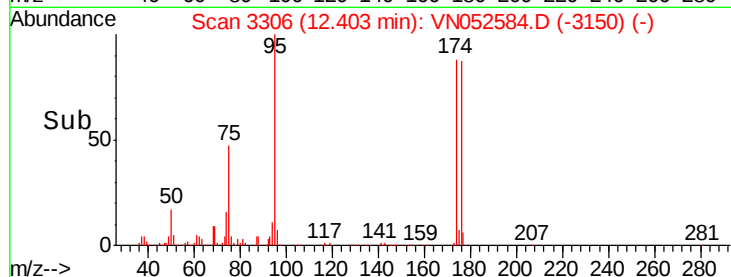


Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

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

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

12.40



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052584.D

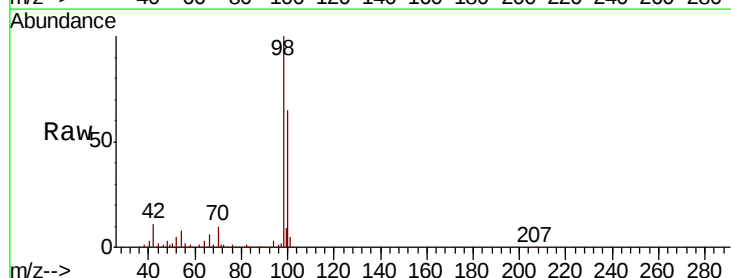
Acq: 30 Nov 2018 00:37

Tgt Ion: 98 Resp: 1118516

Ion Ratio Lower Upper

98 100

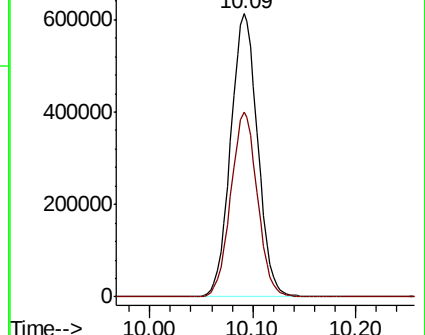
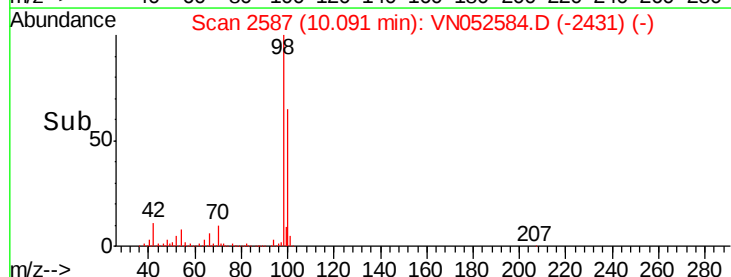
100 64.6 51.1 76.7

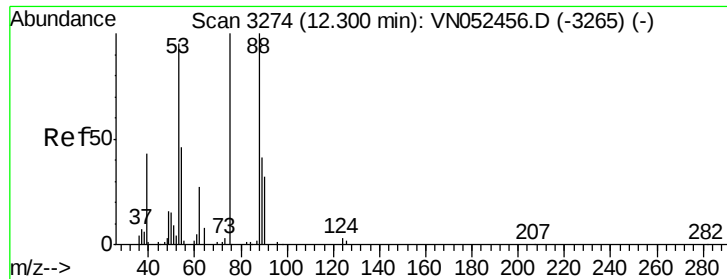


Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

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

10.09





#77
 t-1,4-Dichloro-2-butene
 Concen: 56.582 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052584.D
 Acq: 30 Nov 2018 00:37

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Tot Ion: 75 Resp: 151755
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.6#
 89 0.0 21.7 65.1#

