

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052548.D
 Acq On : 29 Nov 2018 4:46
 Operator : MD\SY
 Sample : J6120-04 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Nov 29 07:13:47 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	175433	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1003765	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	833330	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	361942	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	12.40	95	328339	25.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.90%
63) Toluene-d8	10.09	98	1165326	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

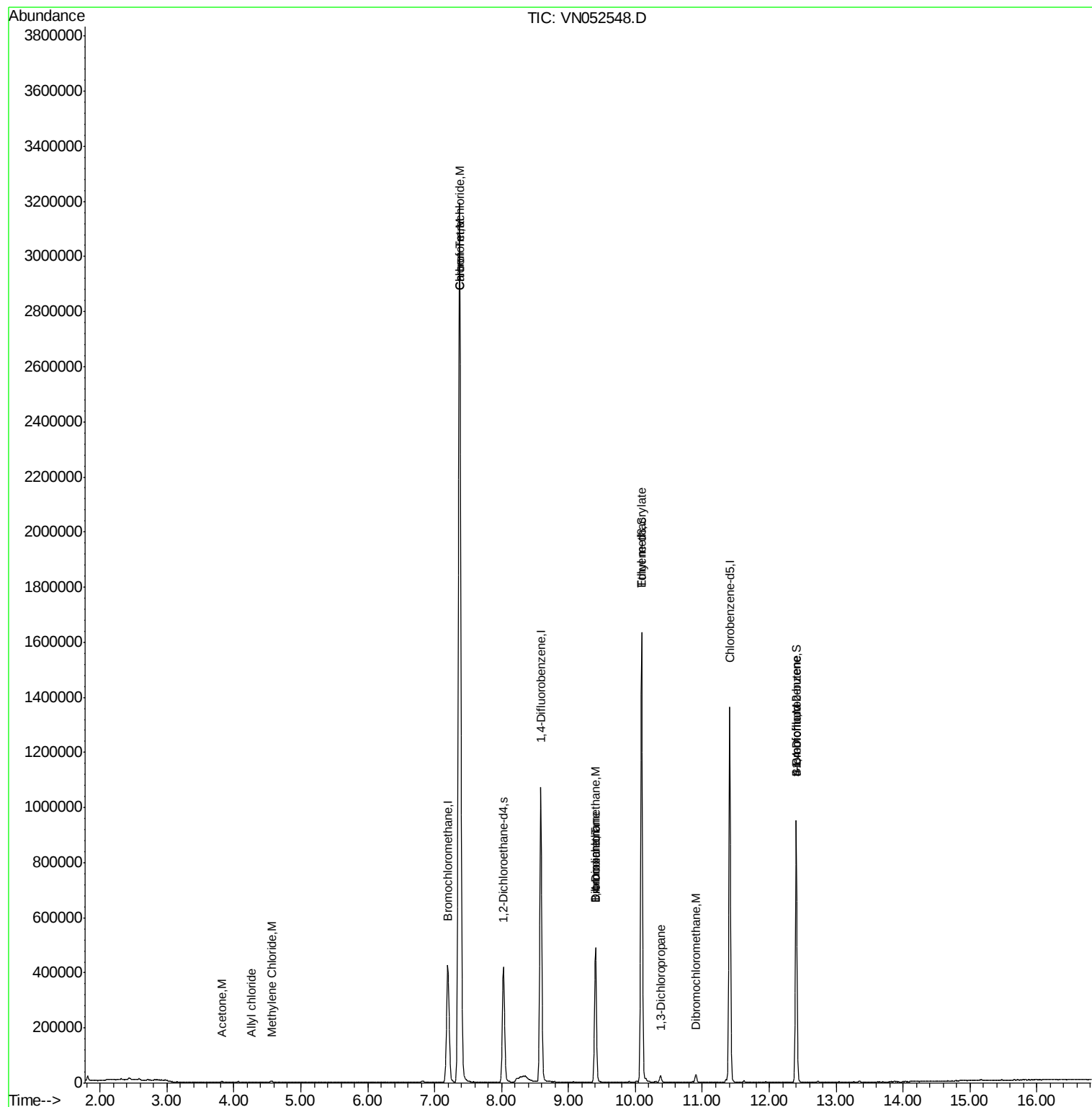
					Ovalue	
15) Acetone	3.81	58	820	0.889	ug/l #	34
17) Allyl chloride	4.27	41	3890	0.227	ug/l #	41
18) Methylene Chloride	4.56	84	2575	0.226	ug/l #	77
25) Chloroform	7.37	83	3458423	174.447	ug/l	100
33) Carbon Tetrachloride	7.37	117	39417	2.824	ug/l	99
40) Dibromomethane	9.40	93	10245	1.535	ug/l #	2
41) Bromodichloromethane	9.40	83	351692	23.845	ug/l	97
45) 1,4-Dioxane	9.41	88	164	1.960	ug/l #	1
51) Ethyl methacrylate	10.10	69	3505	0.295	ug/l	90
52) 1,3-Dichloropropane	10.37	76	4584	0.272	ug/l	45
53) Dibromochloromethane	10.90	129	15692	1.506	ug/l	94
56) Bromoform	12.41	173	2518	0.370	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	158985	56.579	ug/l #	11

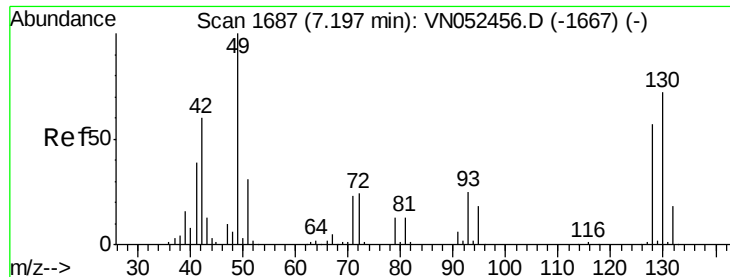
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052548.D
Acq On : 29 Nov 2018 4:46
Operator : MD\SY
Sample : J6120-04 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 46 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Quant Time: Nov 29 07:13:47 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: VN052548.D

Acq: 29 Nov 2018 4:46

Instrument :

MSVOA_N

ClientSampled :

14B-4

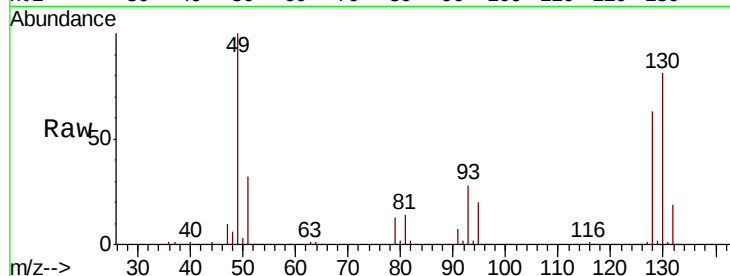
Tot Ion:128 Resp: 175433

Ion Ratio Lower Upper

128 100

49 159.6 0.0 431.8

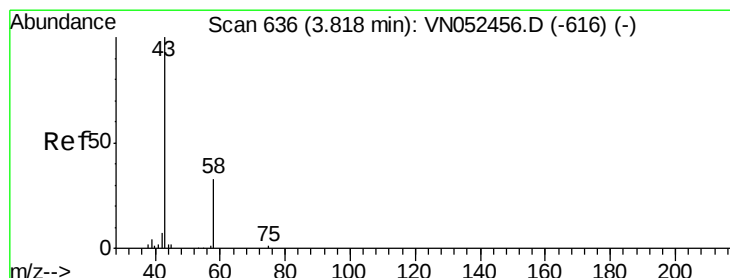
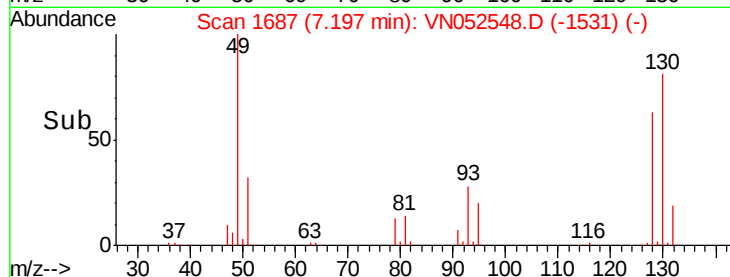
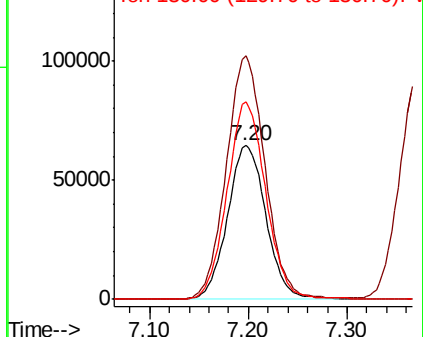
130 128.7 0.0 317.0



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: 0.889 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052548.D

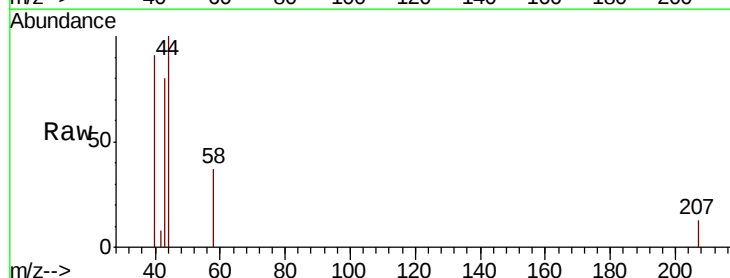
Acq: 29 Nov 2018 4:46

Tgt Ion: 58 Resp: 820

Ion Ratio Lower Upper

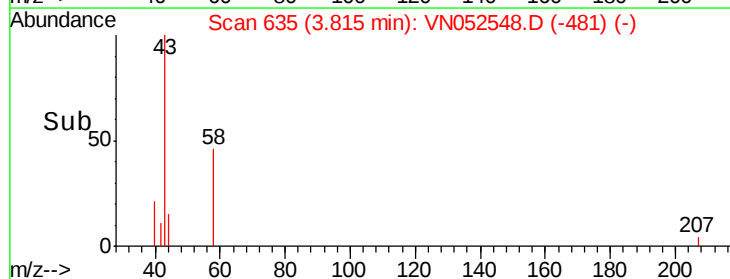
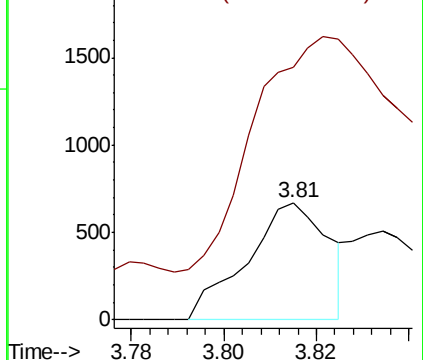
58 100

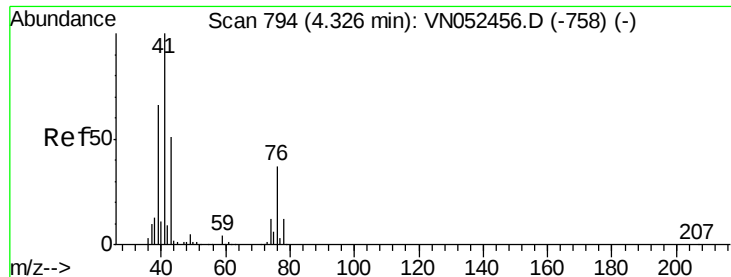
43 172.8 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN

Ion 43.00 (42.70 to 43.70): VN

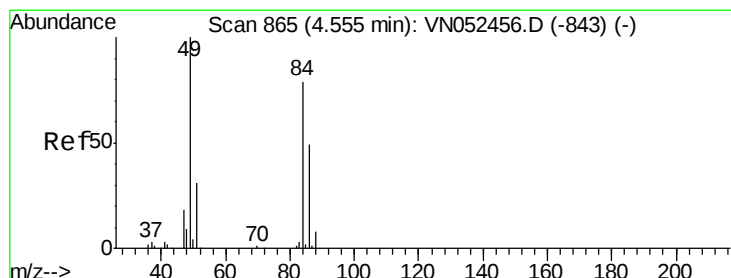
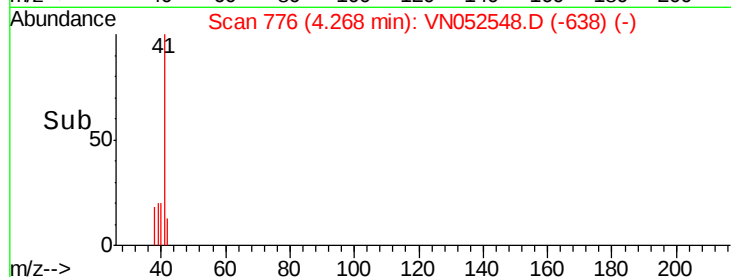
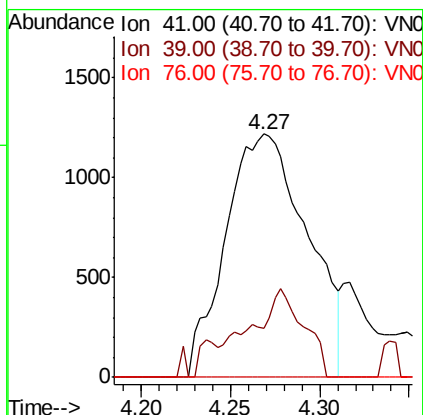
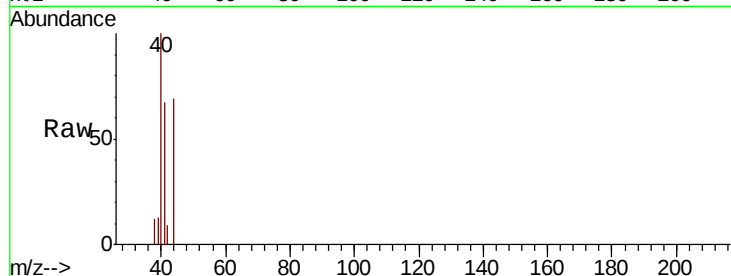




#17
Allvl chloride
Concen: 0.227 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.06 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

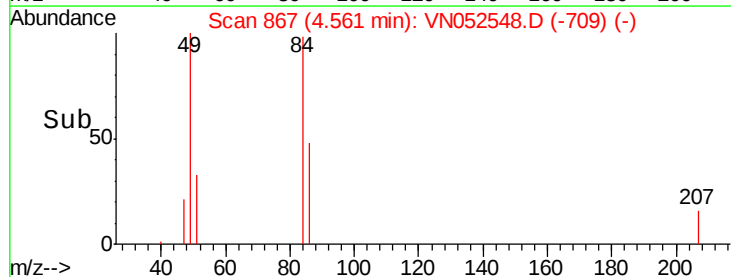
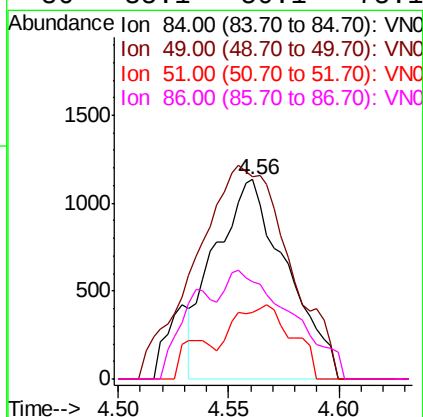
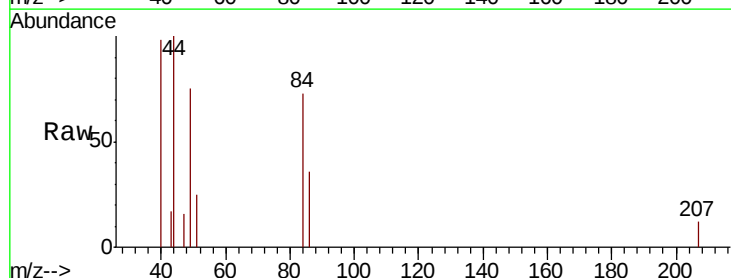
Instrument :
MSVOA_N
ClientSampleId :
14B-4

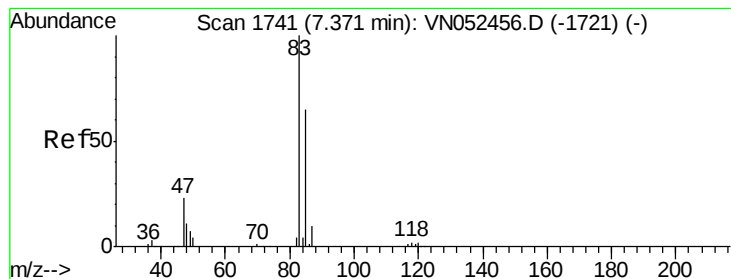
Tot Ion: 41 Resp: 3890
Ion Ratio Lower Upper
41 100
39 19.9 32.8 98.3#
76 0.0 18.6 55.8#



#18
Methylene Chloride
Concen: 0.226 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

Tgt Ion: 84 Resp: 2575
Ion Ratio Lower Upper
84 100
49 101.8 101.4 152.0
51 33.5 31.7 47.5
86 35.1 50.1 75.1#





#25

Chloroform

Concen: 174.447 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052548.D

Acq: 29 Nov 2018 4:46

Instrument :

MSVOA_N

ClientSampled :

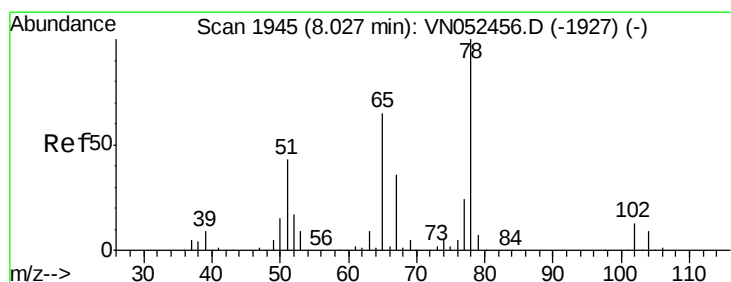
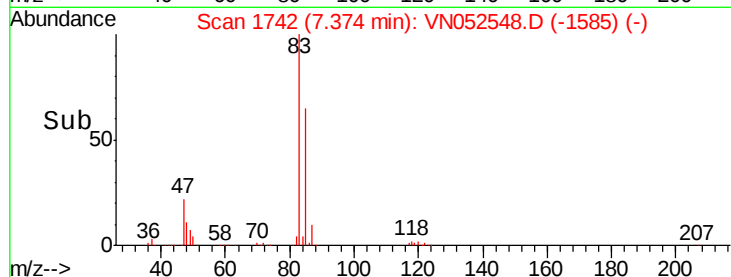
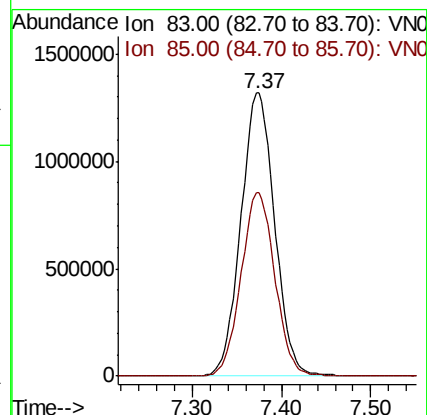
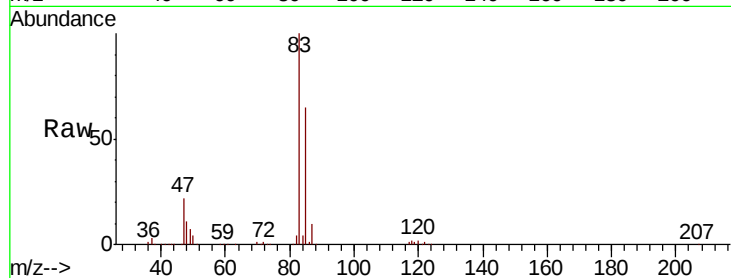
14B-4

Tot Ion: 83 Resp: 3458423

Ion Ratio Lower Upper

83 100

85 64.9 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: VN052548.D

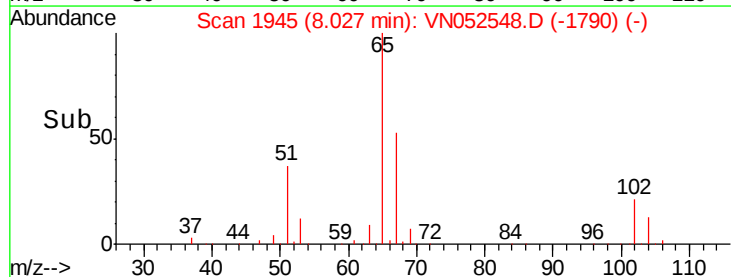
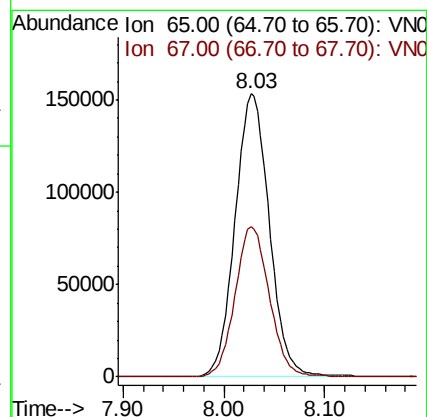
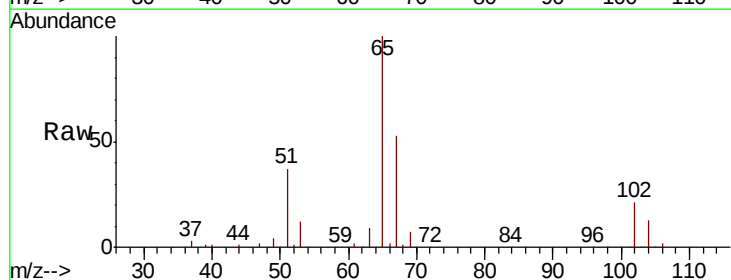
Acq: 29 Nov 2018 4:46

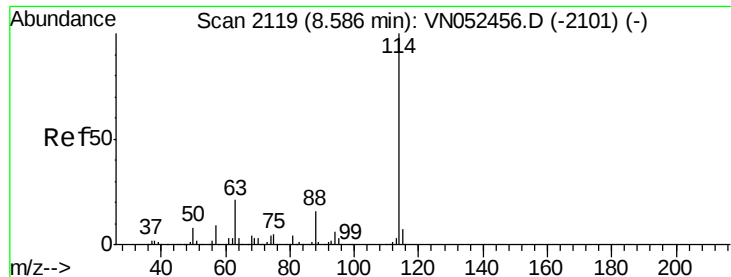
Tgt Ion: 65 Resp: 361942

Ion Ratio Lower Upper

65 100

67 53.3 44.6 66.8

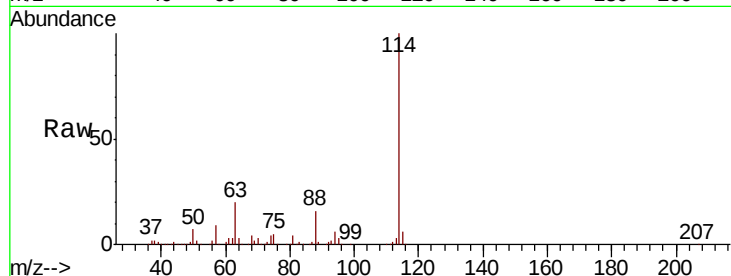




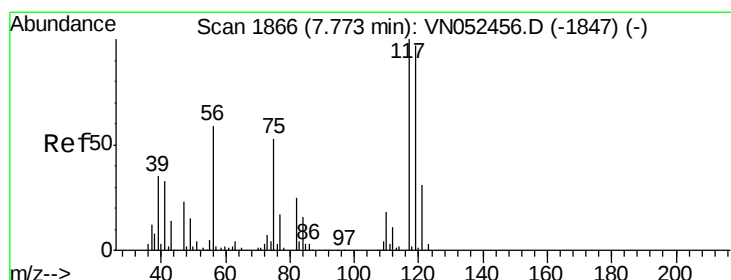
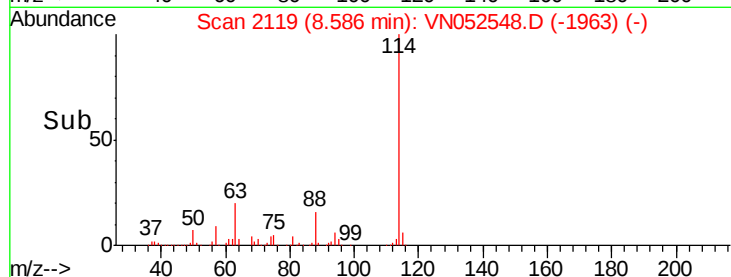
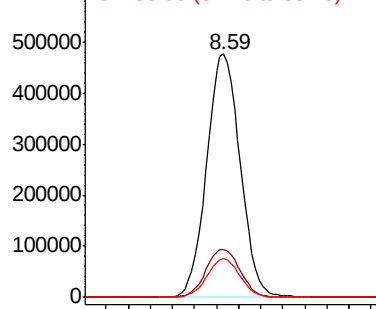
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052548.D
 Acq: 29 Nov 2018 4:46

Instrument :
 MSVOA_N
 ClientSampled :
 14B-4

Tot Ion:114 Resp: 1003765
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.6 12.8 19.2

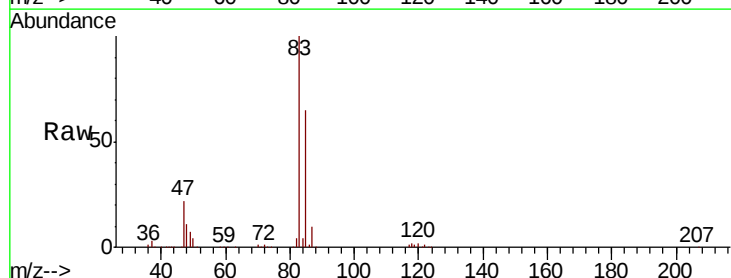


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 88.00 (87.70 to 88.70): V

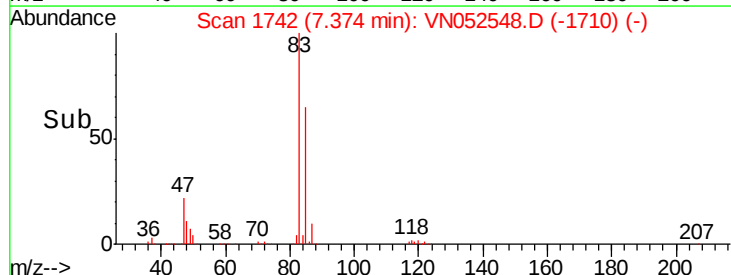
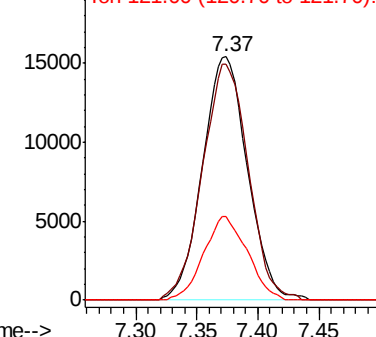


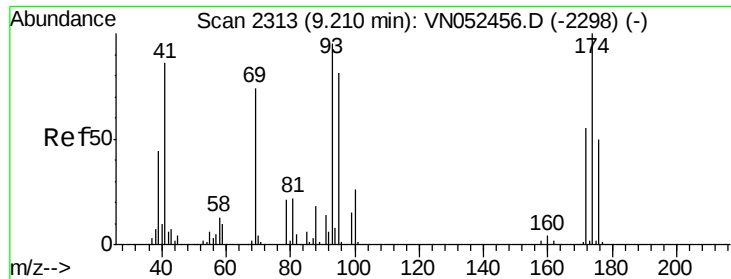
#33
 Carbon Tetrachloride
 Concen: 2.824 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. -0.40 min
 Lab File: VN052548.D
 Acq: 29 Nov 2018 4:46

Tgt Ion:117 Resp: 39417
 Ion Ratio Lower Upper
 117 100
 119 96.8 77.3 115.9
 121 34.1 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: 1.535 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.19 min

Lab File: VN052548.D

Acq: 29 Nov 2018 4:46

Instrument :

MSVOA_N

ClientSampleId :

14B-4

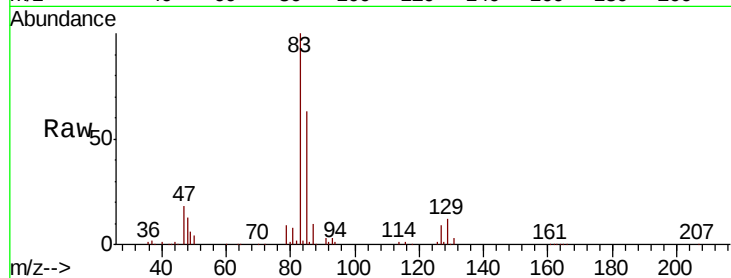
Tot Ion: 93 Resp: 10245

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.4

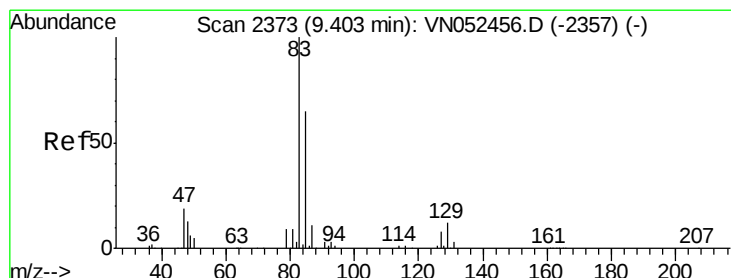
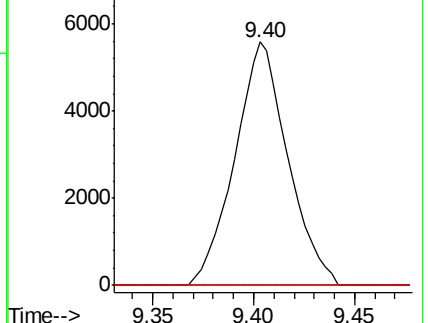
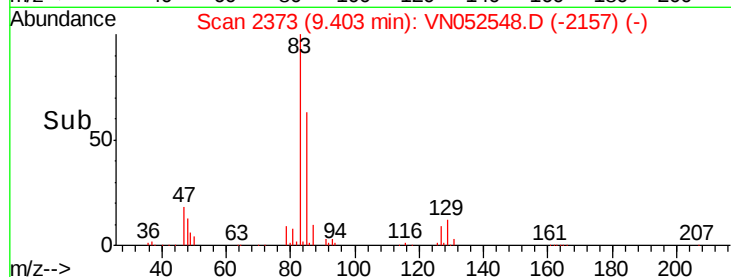
174 0.6 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN052548.D (-2373) (-)

Ion 95.00 (94.70 to 95.70): VN052548.D (-2373) (-)

Ion 174.00 (173.70 to 174.70): VN052548.D (-2373) (-)



#41

Bromodichloromethane

Concen: 23.845 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052548.D

Acq: 29 Nov 2018 4:46

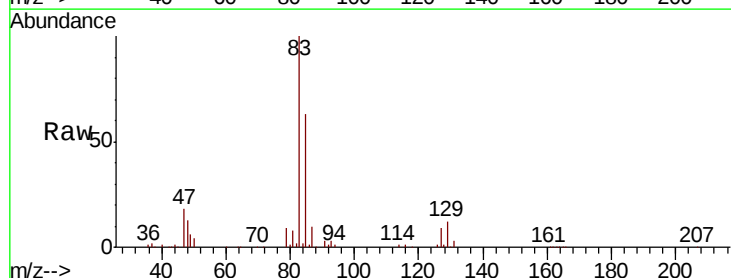
Tgt Ion: 83 Resp: 351692

Ion Ratio Lower Upper

83 100

85 63.4 52.4 78.6

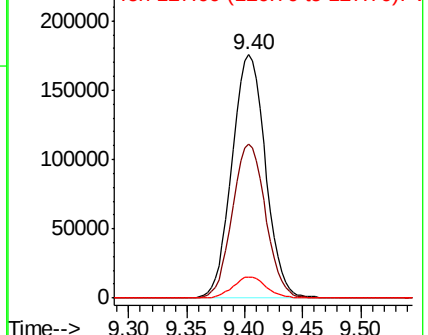
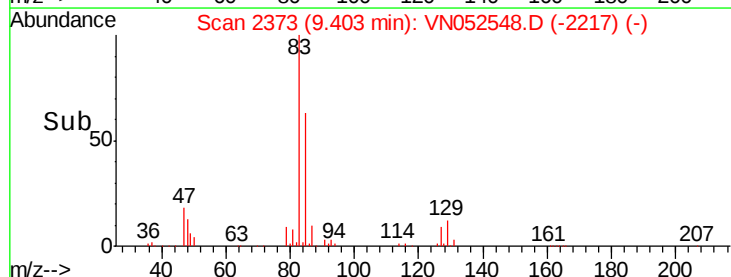
127 8.7 6.6 9.8

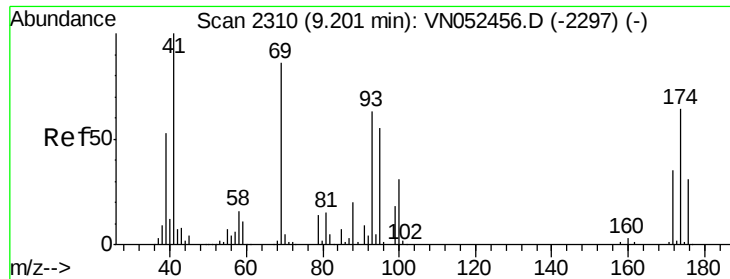


Abundance Ion 83.00 (82.70 to 83.70): VN052548.D (-2373) (-)

Ion 85.00 (84.70 to 85.70): VN052548.D (-2373) (-)

Ion 127.00 (126.70 to 127.70): VN052548.D (-2373) (-)

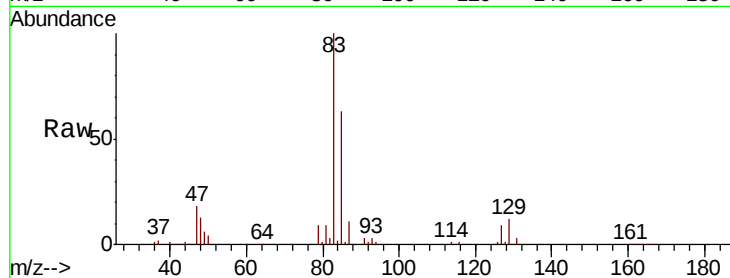




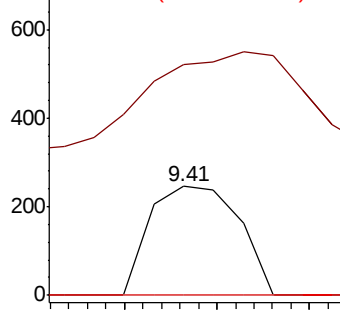
#45
 1,4-Dioxane
 Concen: 1.960 ug/l
 RT: 9.41 min Scan# 2374
 Delta R.T. 0.21 min
 Lab File: VN052548.D
 Acq: 29 Nov 2018 4:46

Instrument :
 MSVOA_N
 ClientSampled :
 14B-4

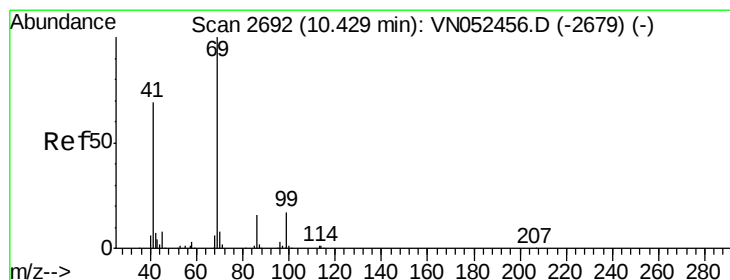
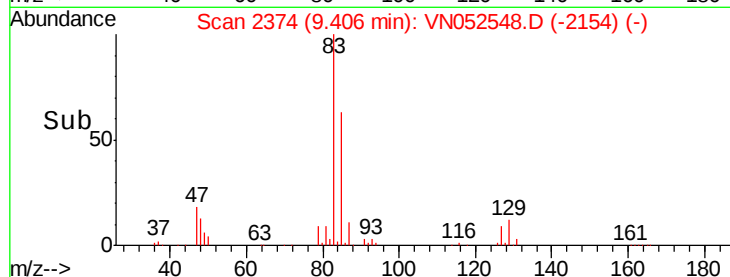
Tot Ion: 88 Resp: 164
 Ion Ratio Lower Upper
 88 100
 43 287.8 29.5 44.3#
 58 0.0 61.5 92.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

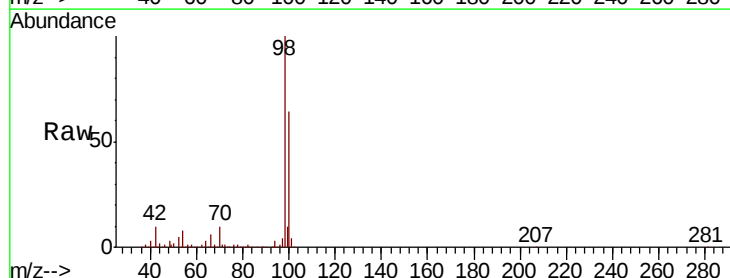


Time-->

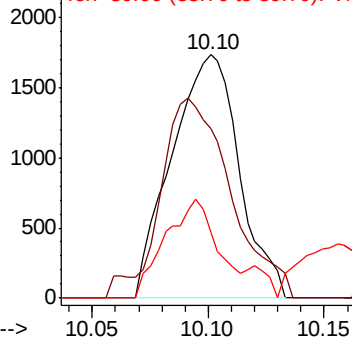


#51
 Ethyl methacrylate
 Concen: 0.295 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.33 min
 Lab File: VN052548.D
 Acq: 29 Nov 2018 4:46

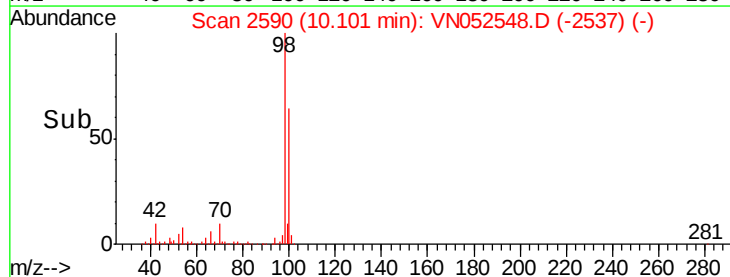
Tgt Ion: 69 Resp: 3505
 Ion Ratio Lower Upper
 69 100
 41 61.0 34.4 103.3
 39 26.7 16.4 49.2

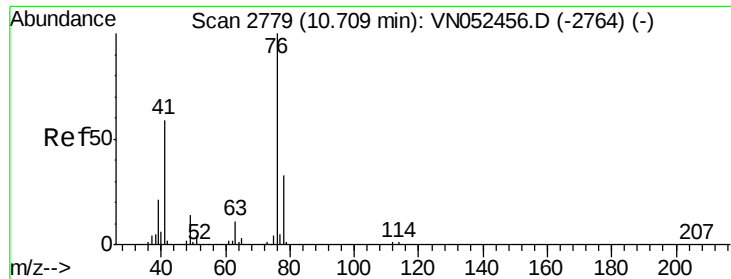


Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



Time-->





#52

1,3-Dichloropropane

Concen: 0.272 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.33 min

Lab File: VN052548.D

Acq: 29 Nov 2018 4:46

Instrument :

MSVOA_N

ClientSampled :

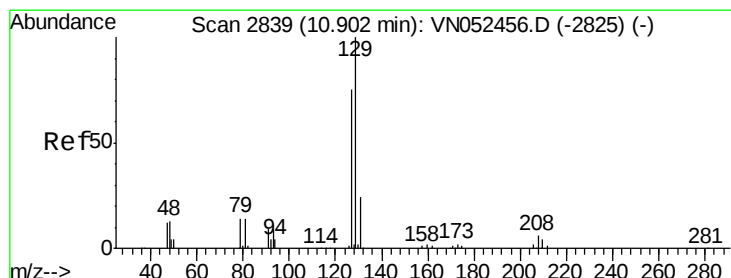
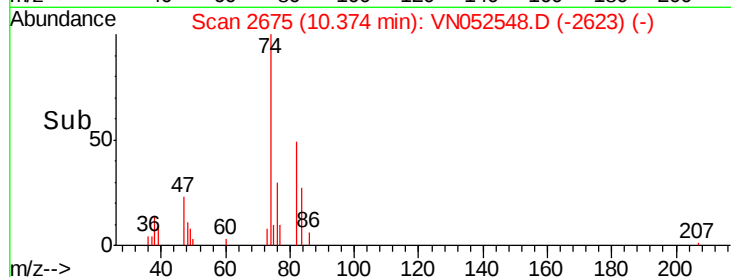
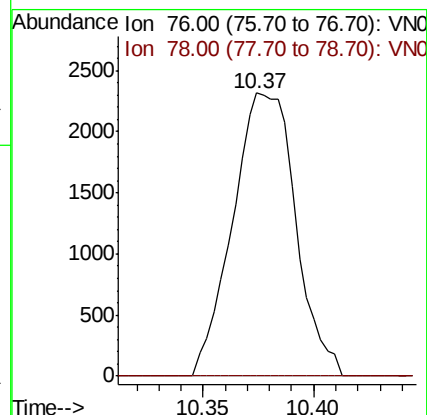
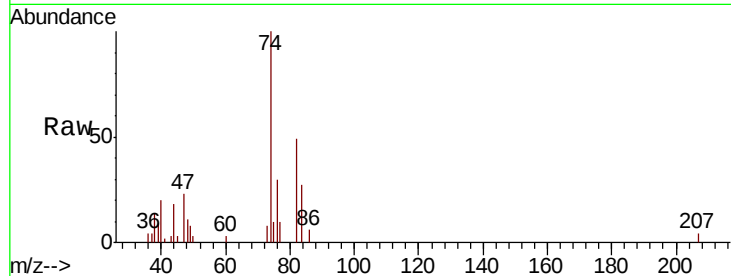
14B-4

Tot Ion: 76 Resp: 4584

Ion Ratio Lower Upper

76 100

78 1.4 0.0 64.8



#53

Dibromochloromethane

Concen: 1.506 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052548.D

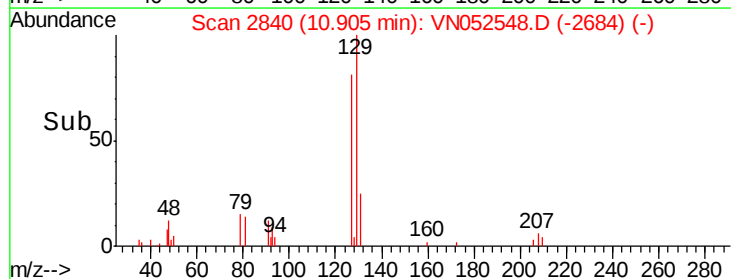
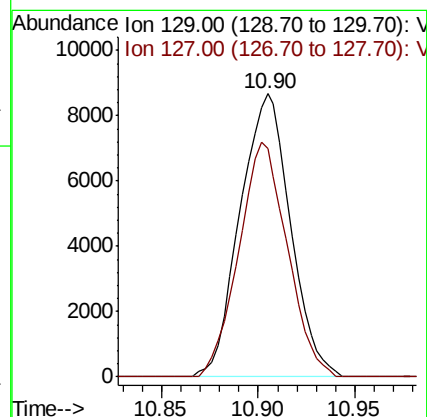
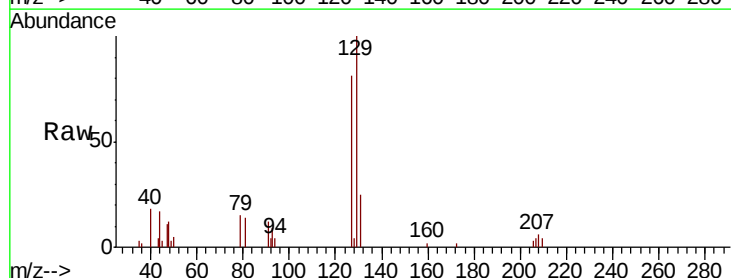
Acq: 29 Nov 2018 4:46

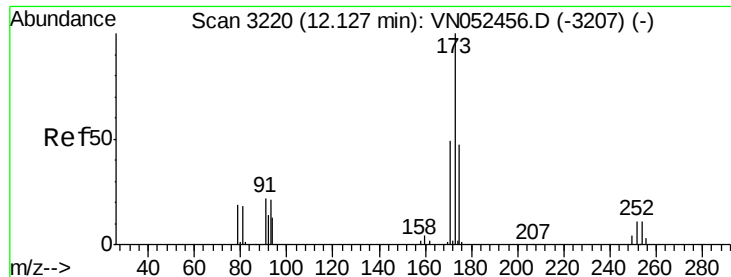
Tgt Ion: 129 Resp: 15692

Ion Ratio Lower Upper

129 100

127 80.0 37.6 112.8

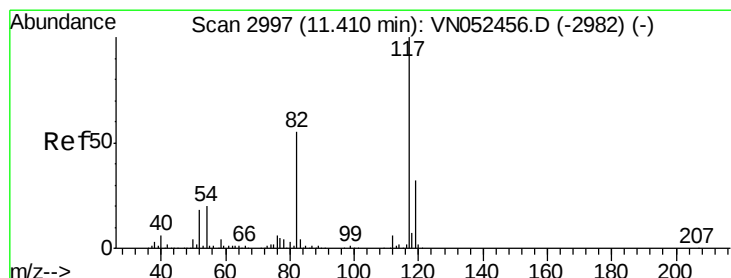
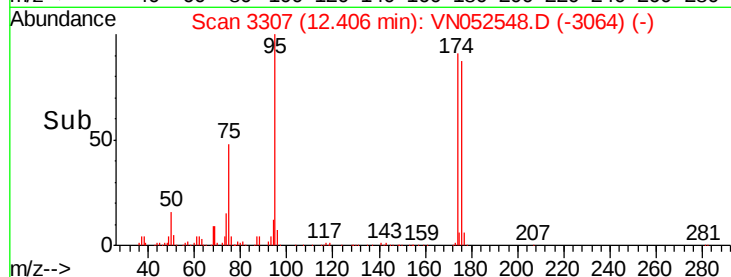
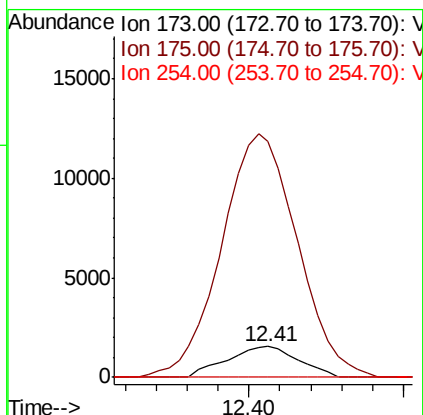
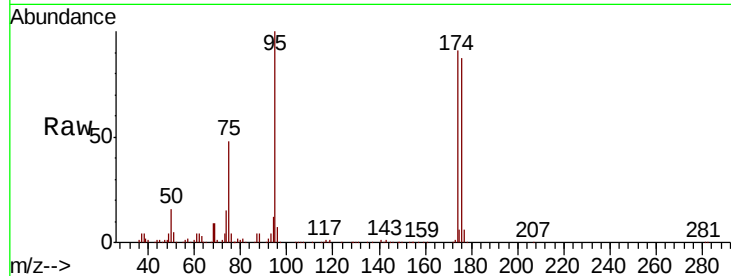




#56
Bromoform
Concen: 0.370 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

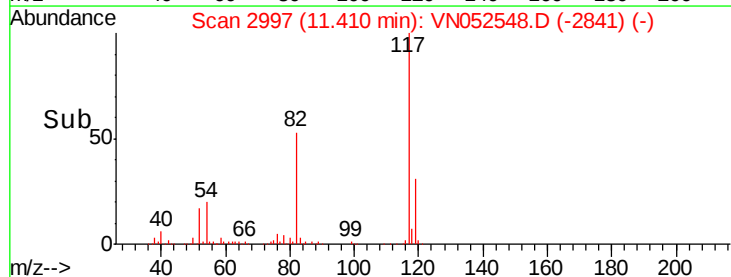
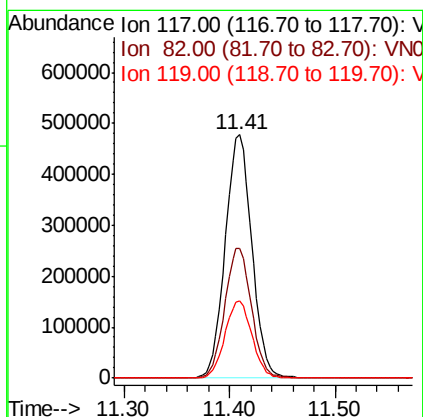
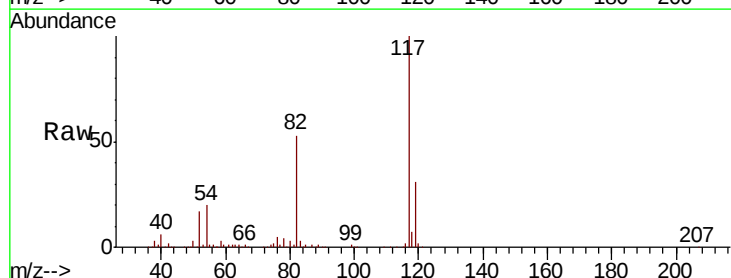
Instrument :
MSVOA_N
ClientSampleId :
14B-4

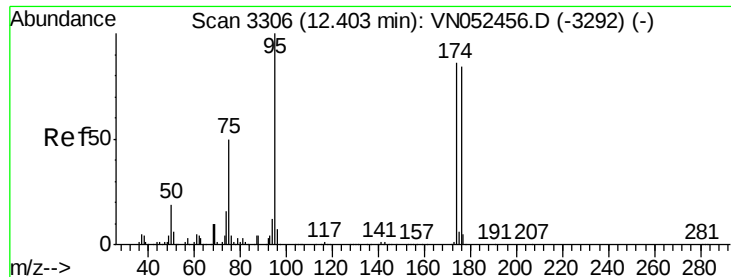
Tot Ion:173 Resp: 2518
Ion Ratio Lower Upper
173 100
175 829.2 38.7 58.1#
254 0.0 8.4 12.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

Tgt Ion:117 Resp: 833330
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.1 25.4 38.2

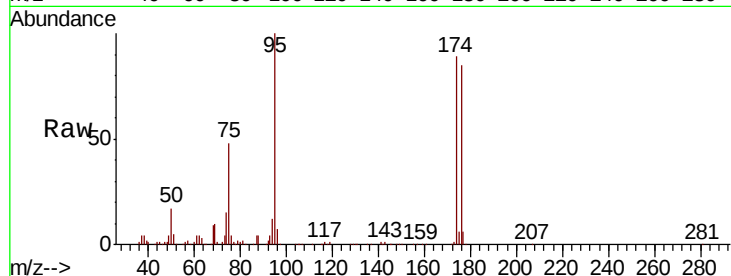




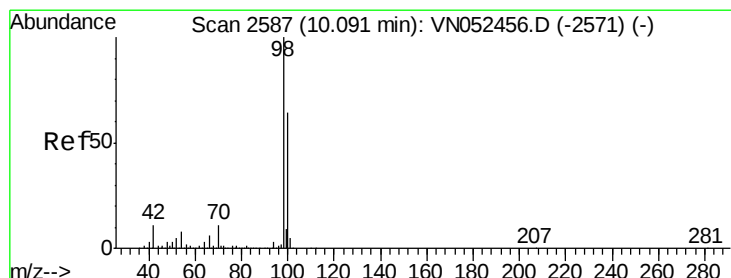
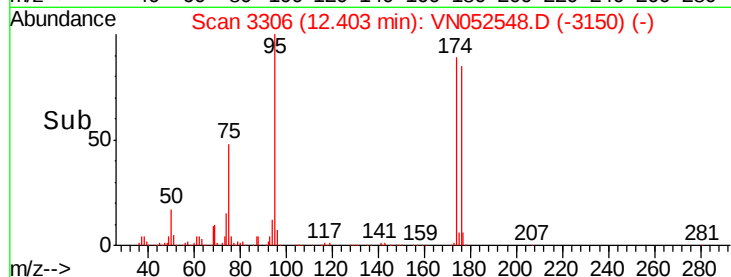
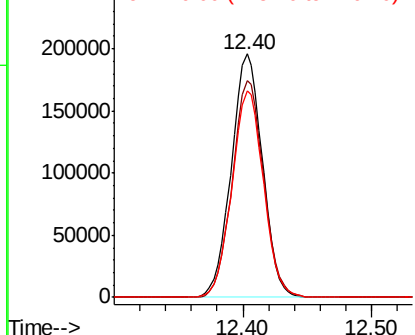
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

Instrument :
MSVOA_N
ClientSampled :
14B-4

Tot Ion: 95 Resp: 328339
Ion Ratio Lower Upper
95 100
174 89.6 67.9 101.9
176 85.8 66.4 99.6

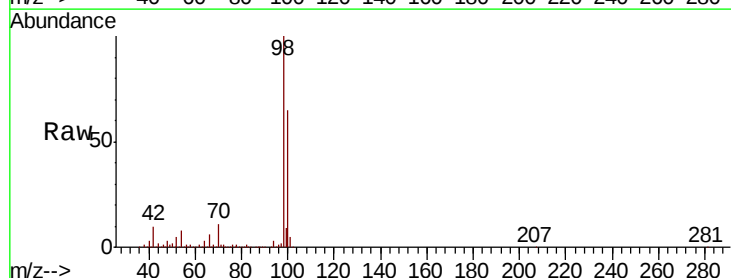


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

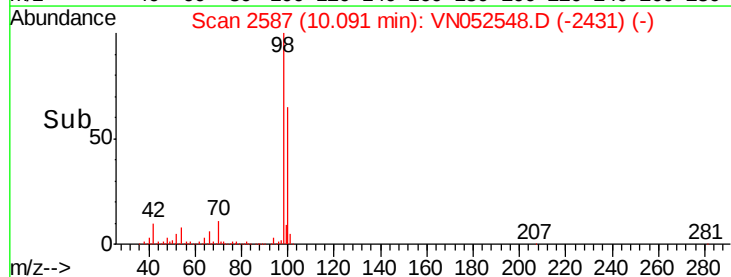
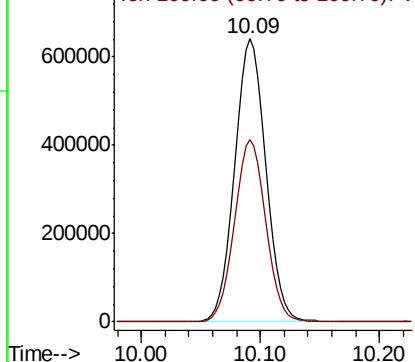


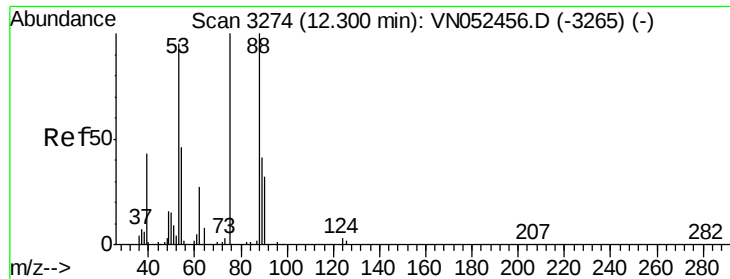
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

Tgt Ion: 98 Resp: 1165326
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 56.579 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052548.D
Acq: 29 Nov 2018 4:46

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tot Ion: 75 Resp: 158985
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#

