

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052547.D
 Acq On : 29 Nov 2018 4:20
 Operator : MD\SY
 Sample : J6120-03DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3DL

Quant Time: Nov 29 07:13:10 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	172790	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	989869	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	811288	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	348292	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.40	95	325782	26.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.53%
63) Toluene-d8	10.09	98	1147676	30.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.70%

Target Compounds

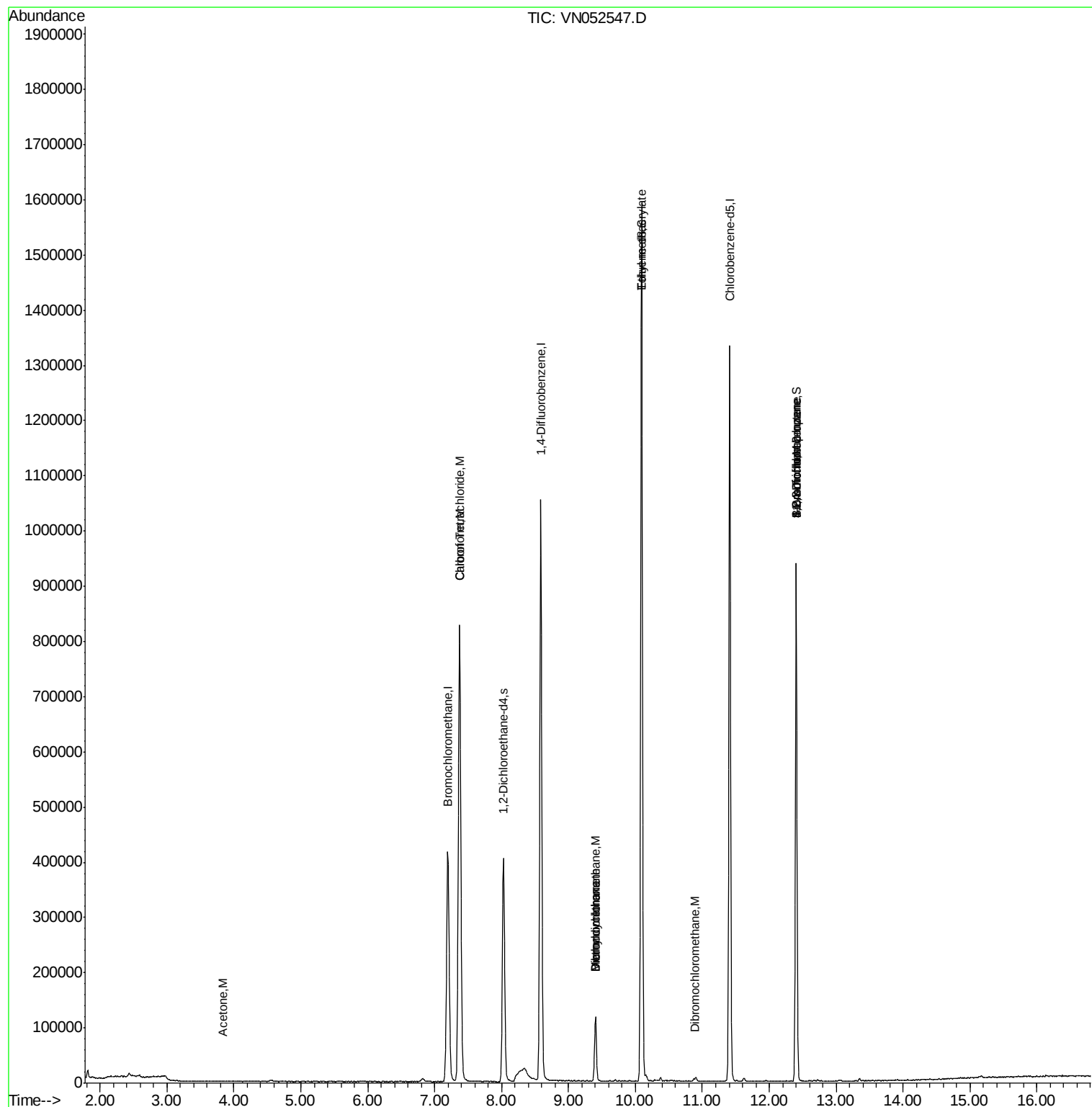
					Ovalue	
15) Acetone	3.82	58	231	0.254	ug/l #	1
25) Chloroform	7.37	83	902508	46.220	ug/l	99
33) Carbon Tetrachloride	7.37	117	10730	0.780	ug/l	93
38) Methylcyclohexane	9.40	83	83509	4.463	ug/l #	17
40) Dibromomethane	9.41	93	2454	0.373	ug/l #	3
41) Bromodichloromethane	9.40	83	83509	5.741	ug/l	95
51) Ethyl methacrylate	10.10	69	3144	0.268	ug/l	95
53) Dibromochloromethane	10.90	129	3930	0.383	ug/l	98
56) Bromoform	12.41	173	2263	0.337	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	154348	17.823	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	154348	56.421	ug/l #	11

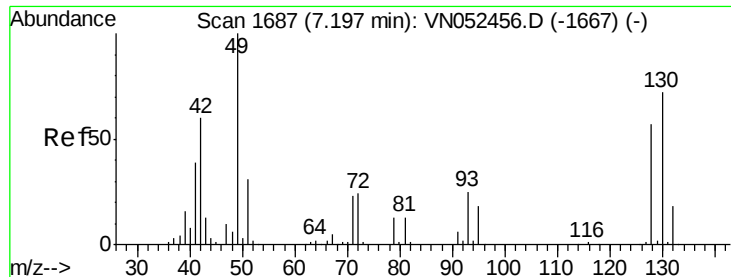
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052547.D
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Operator : MD\SY
Sample : J6120-03DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 45 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
14B-3DL

Quant Time: Nov 29 07:13:10 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: VN052547.D

Acq: 29 Nov 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

14B-3DL

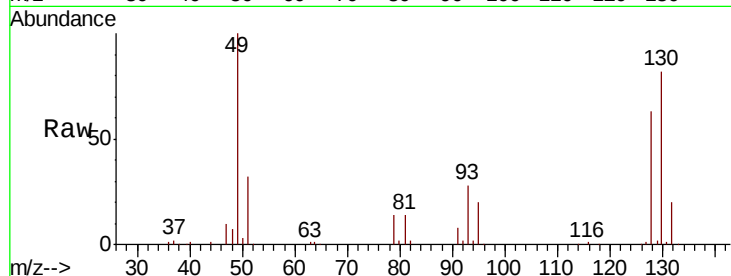
Tot Ion:128 Resp: 172790

Ion Ratio Lower Upper

128 100

49 158.5 0.0 431.8

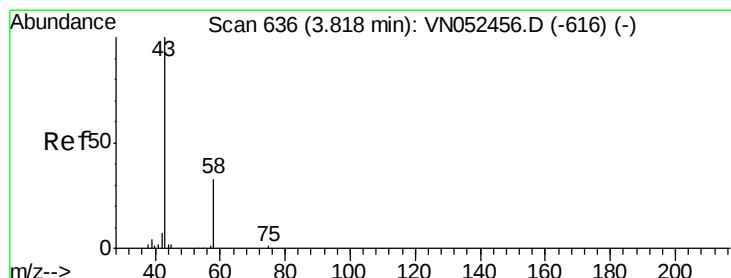
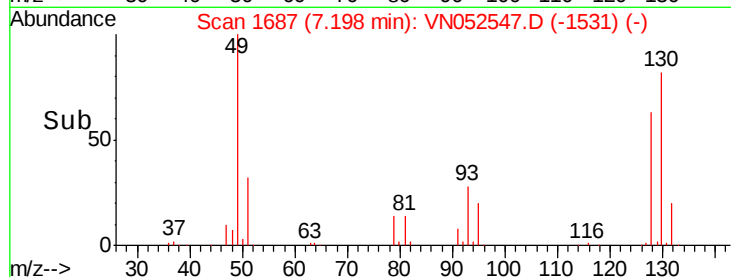
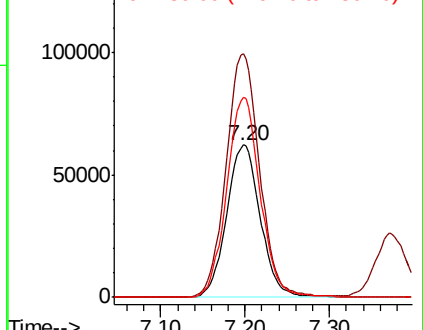
130 130.1 0.0 317.0



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



#15

Acetone

Concen: 0.254 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052547.D

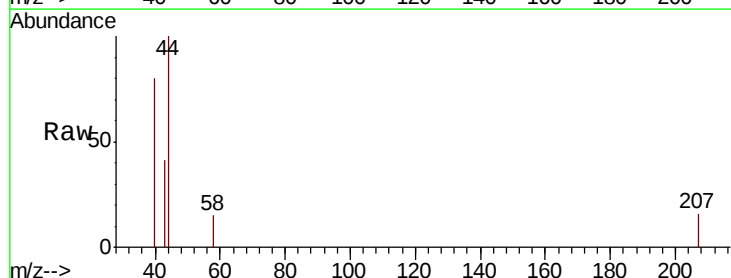
Acq: 29 Nov 2018 4:20

Tgt Ion: 58 Resp: 231

Ion Ratio Lower Upper

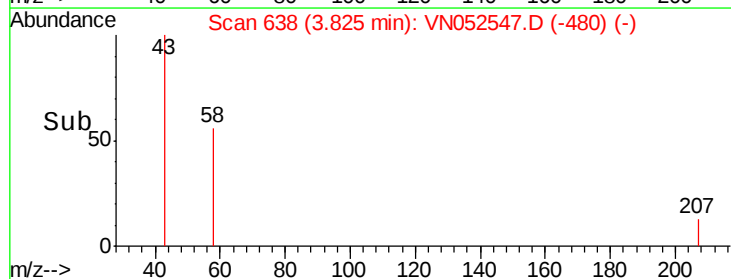
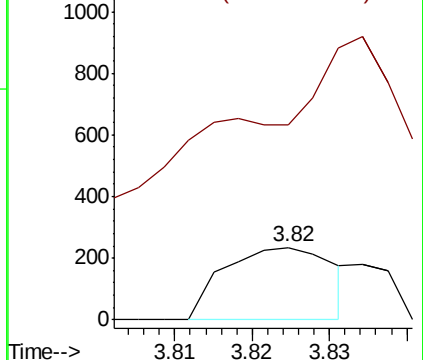
58 100

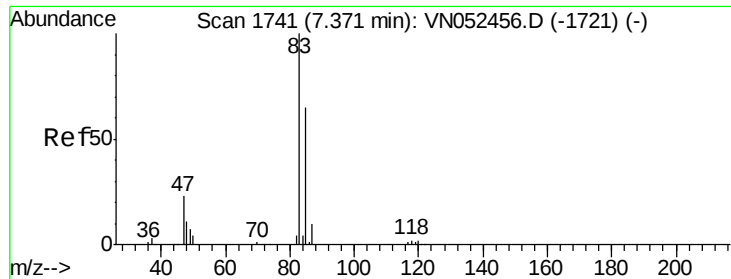
43 22.1 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 46.220 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052547.D

Acq: 29 Nov 2018 4:20

Instrument :

MSVOA_N

ClientSampleId :

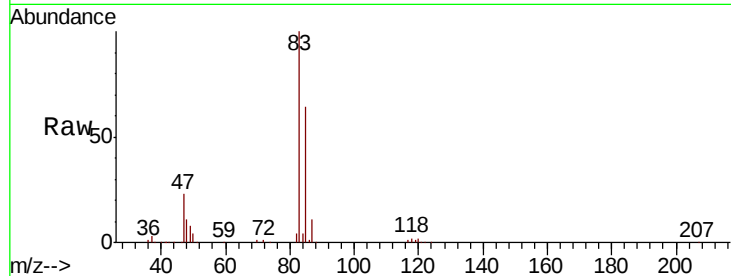
14B-3DL

Tot Ion: 83 Resp: 902508

Ion Ratio Lower Upper

83 100

85 63.9 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

300000

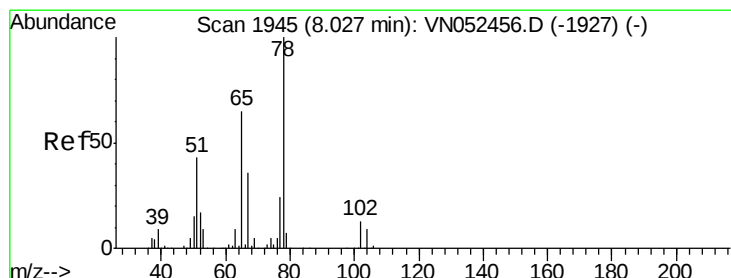
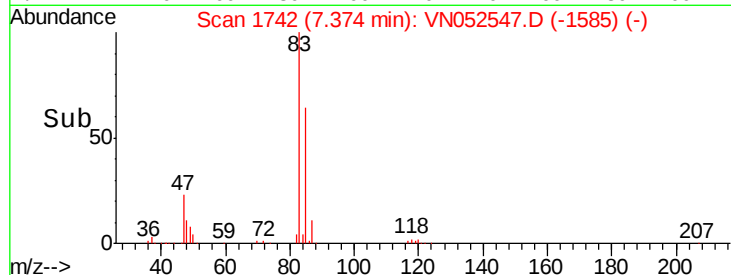
200000

100000

0

Time-->

7.30 7.40 7.50



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052547.D

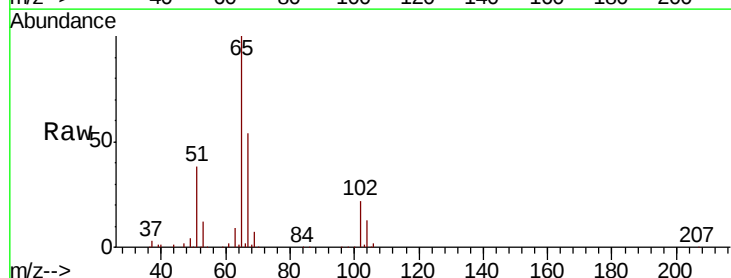
Acq: 29 Nov 2018 4:20

Tgt Ion: 65 Resp: 348292

Ion Ratio Lower Upper

65 100

67 54.4 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

150000

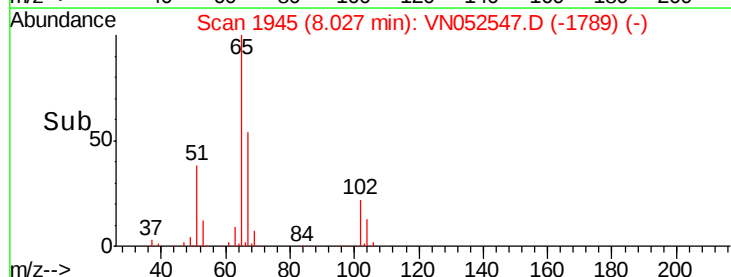
100000

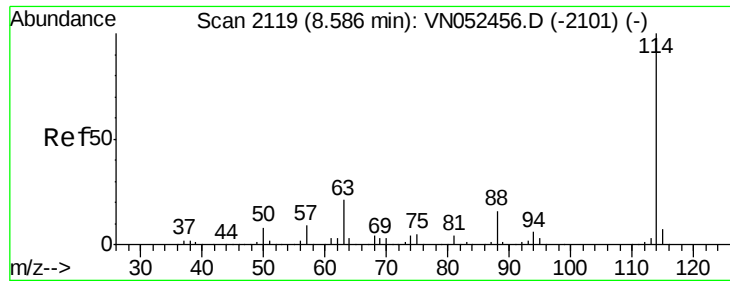
50000

0

Time-->

7.95 8.00 8.05 8.10 8.15

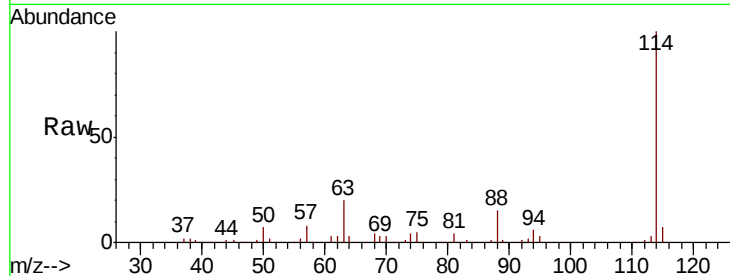




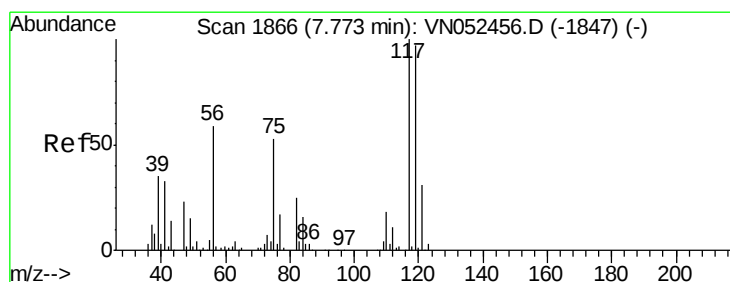
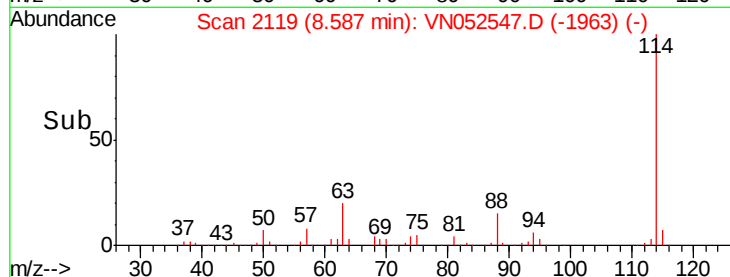
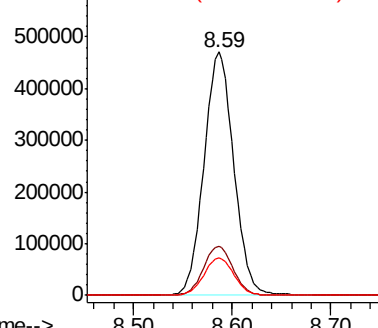
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052547.D
 Acq: 29 Nov 2018 4:20

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3DL

Tot Ion:114 Resp: 989869
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.9 25.3
 88 15.6 12.8 19.2

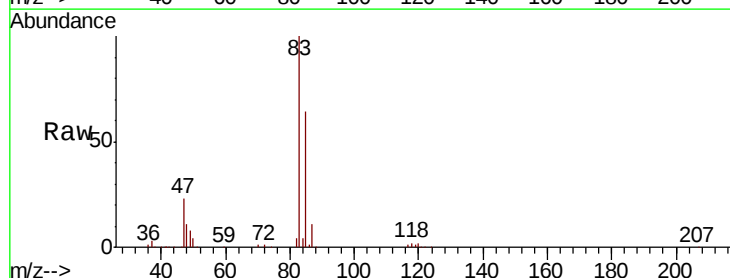


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

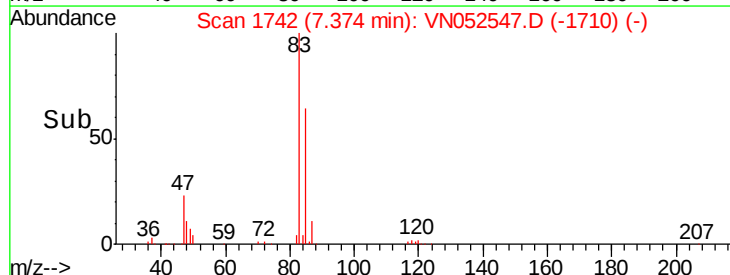
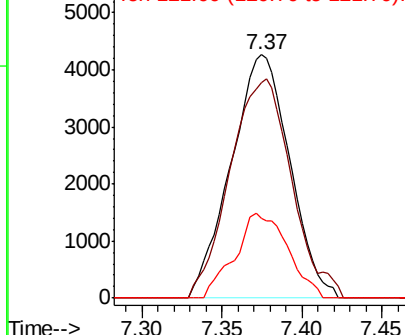


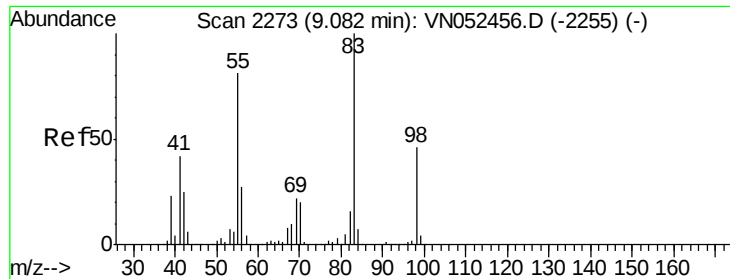
#33
 Carbon Tetrachloride
 Concen: 0.780 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. -0.40 min
 Lab File: VN052547.D
 Acq: 29 Nov 2018 4:20

Tgt Ion:117 Resp: 10730
 Ion Ratio Lower Upper
 117 100
 119 88.5 77.3 115.9
 121 32.6 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

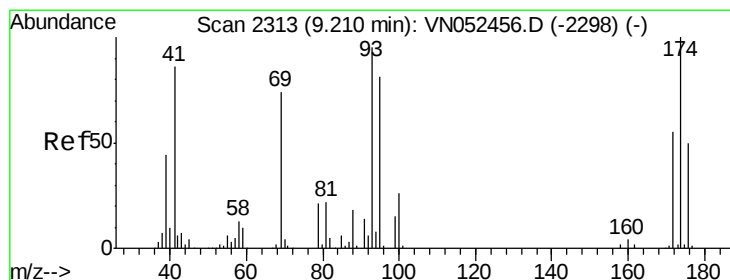
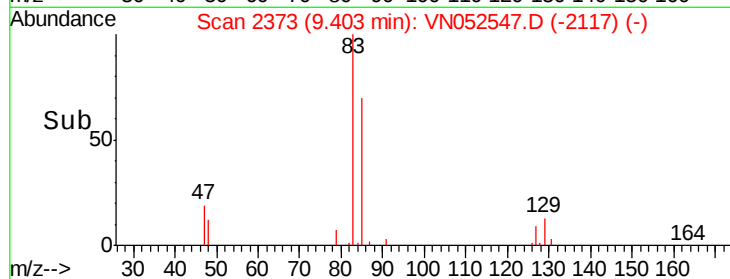
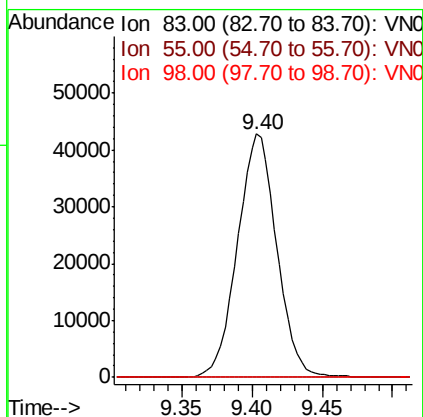
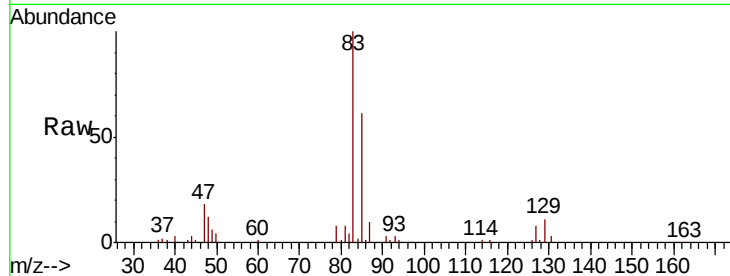




#38
Methylcyclohexane
Concen: 4.463 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.32 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

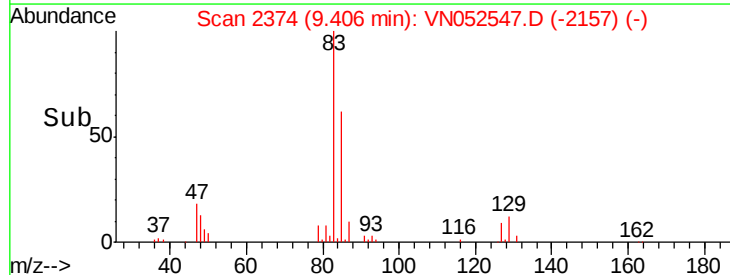
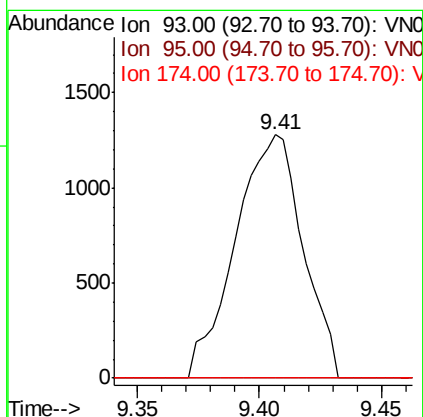
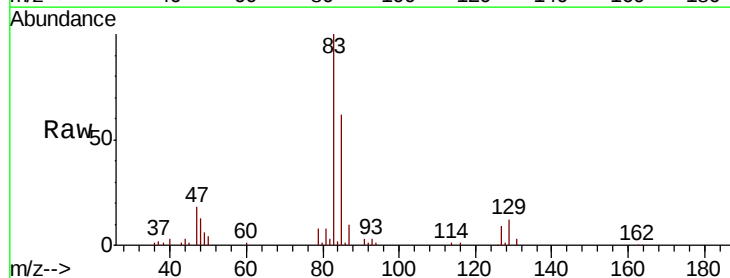
Instrument :
MSVOA_N
ClientSampled :
14B-3DL

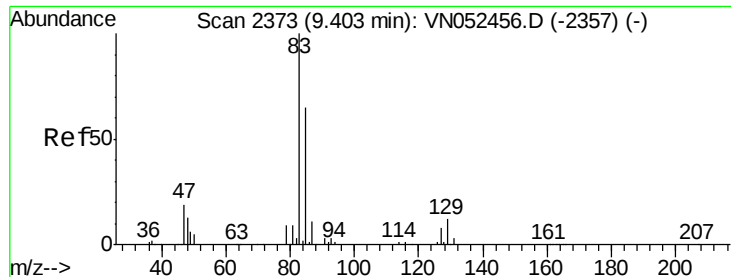
Tot Ion: 83 Resp: 83509
Ion Ratio Lower Upper
83 100
55 0.0 39.8 119.4#
98 0.0 22.9 68.5#



#40
Dibromomethane
Concen: 0.373 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.20 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

Tgt Ion: 93 Resp: 2454
Ion Ratio Lower Upper
93 100
95 0.0 0.0 168.4
174 2.4 0.0 210.0





#41

Bromodichloromethane

Concen: 5.741 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052547.D

Acq: 29 Nov 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

14B-3DL

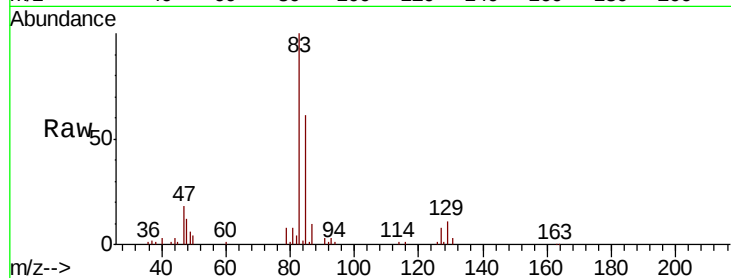
Tot Ion: 83 Resp: 83509

Ion Ratio Lower Upper

83 100

85 61.0 52.4 78.6

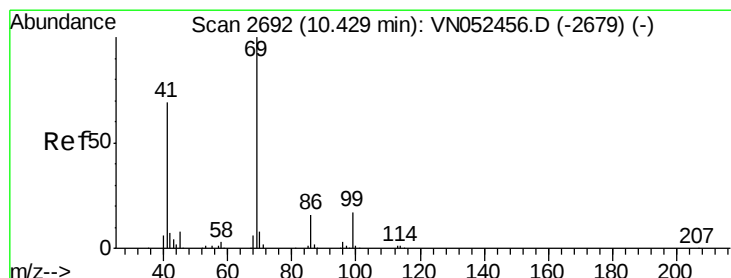
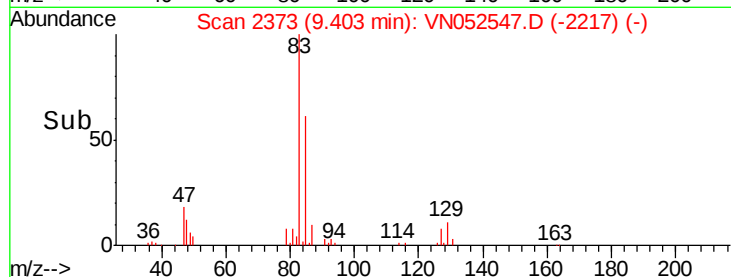
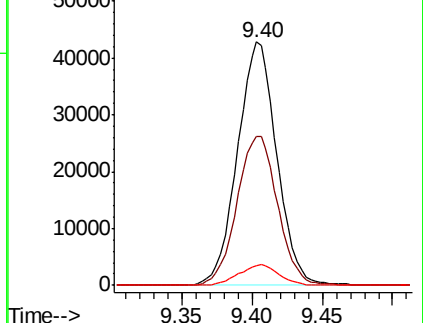
127 8.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052547.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052547.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052547.D (-2217) (-)



#51

Ethyl methacrylate

Concen: 0.268 ug/l

RT: 10.10 min Scan# 2590

Delta R.T. -0.33 min

Lab File: VN052547.D

Acq: 29 Nov 2018 4:20

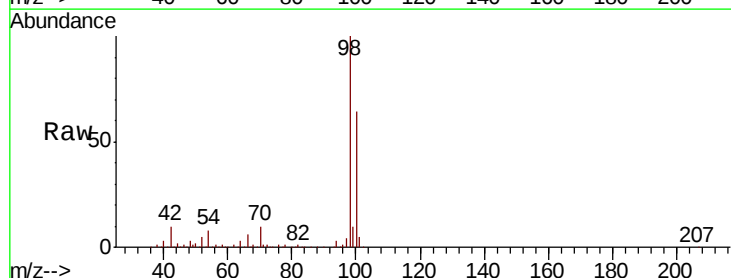
Tgt Ion: 69 Resp: 3144

Ion Ratio Lower Upper

69 100

41 74.6 34.4 103.3

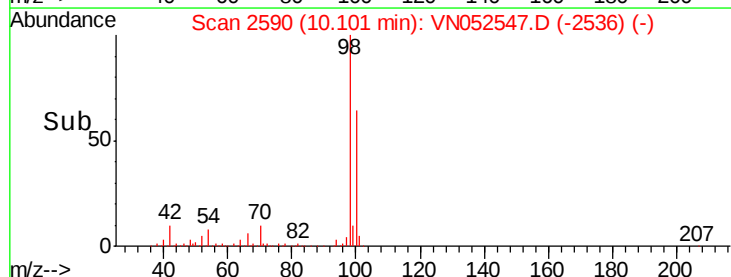
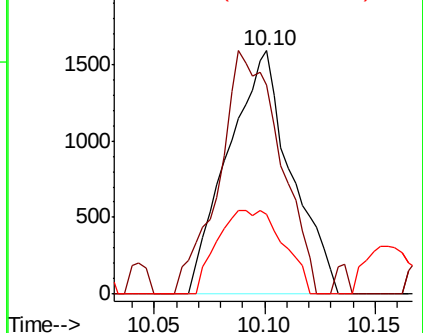
39 32.7 16.4 49.2

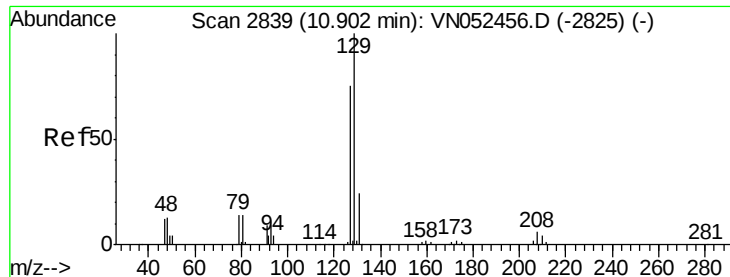


Abundance Ion 69.00 (68.70 to 69.70): VN052547.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN052547.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN052547.D (-2536) (-)

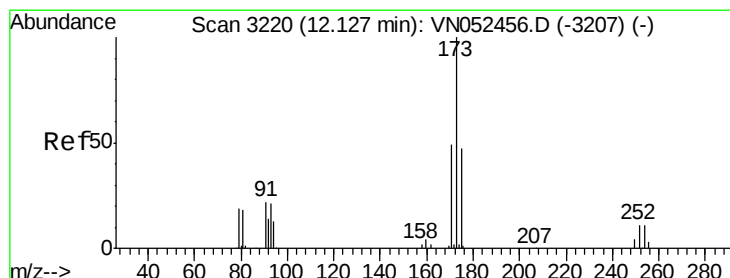
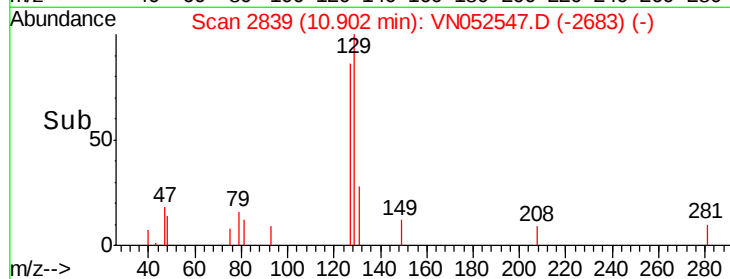
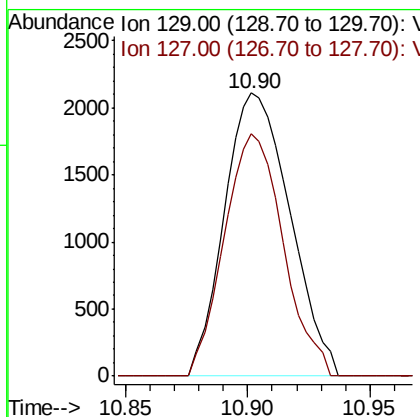
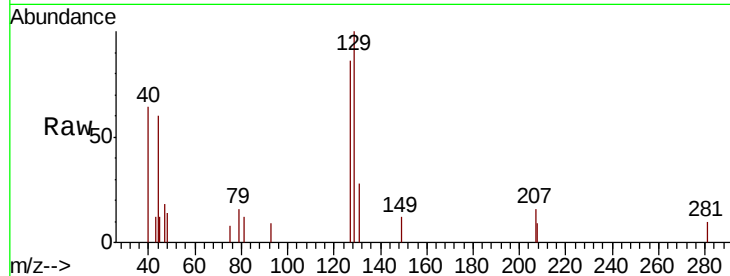




#53
Dibromochloromethane
Concen: 0.383 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

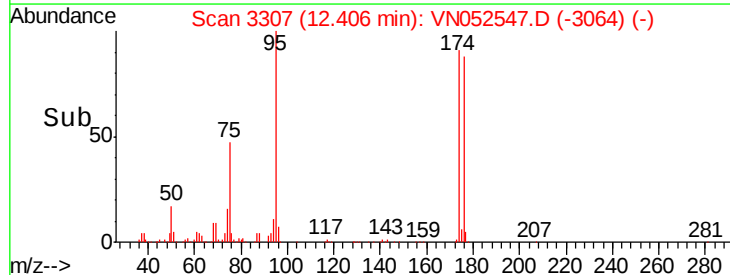
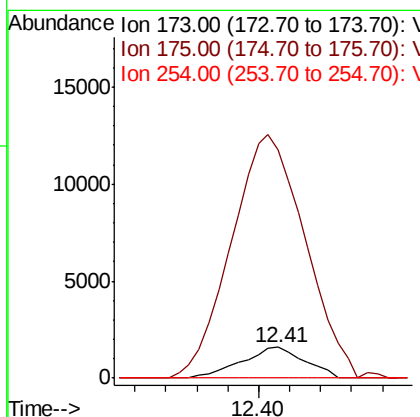
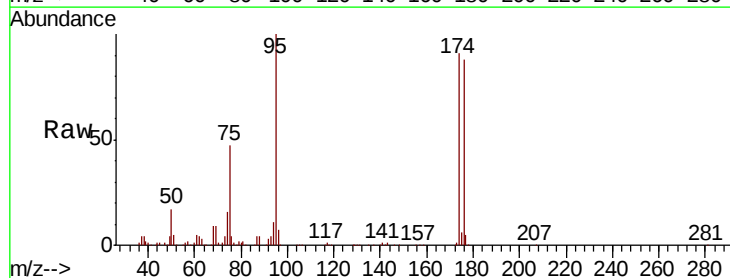
Instrument :
MSVOA_N
ClientSampleId :
14B-3DL

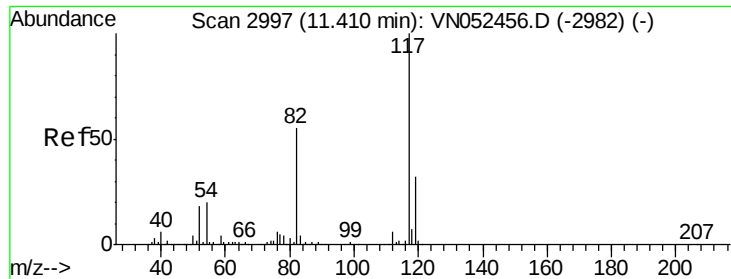
Tot Ion:129 Resp: 3930
Ion Ratio Lower Upper
129 100
127 76.9 37.6 112.8



#56
Bromoform
Concen: 0.337 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

Tgt Ion:173 Resp: 2263
Ion Ratio Lower Upper
173 100
175 917.9 38.7 58.1#
254 0.0 8.4 12.6#

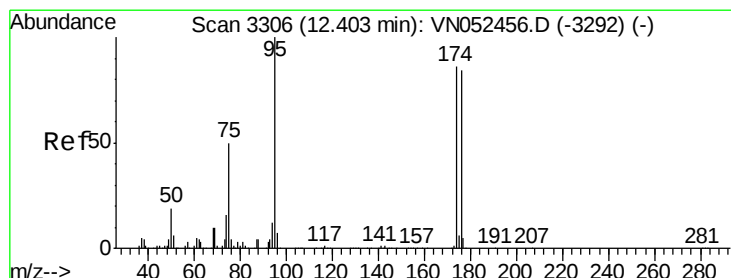
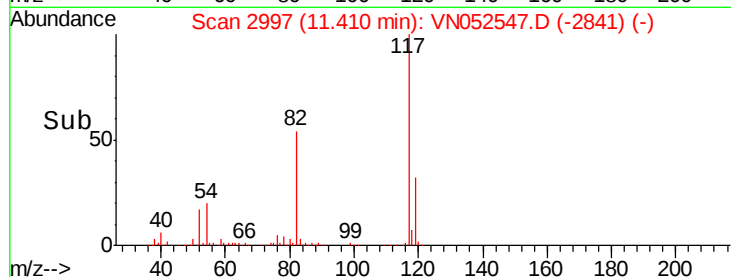
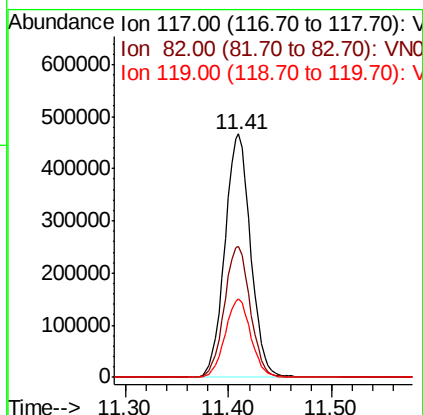
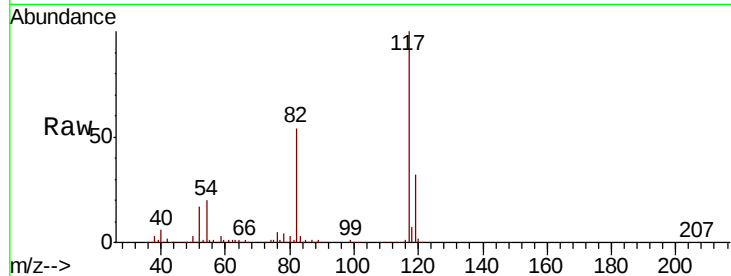




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

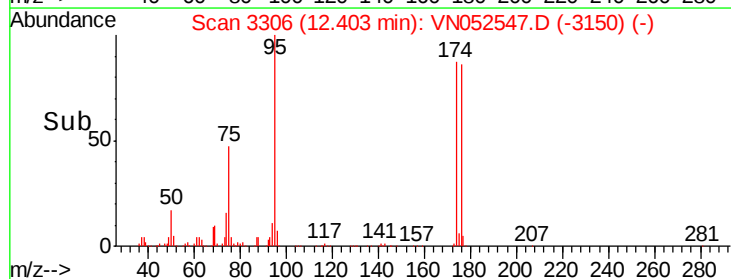
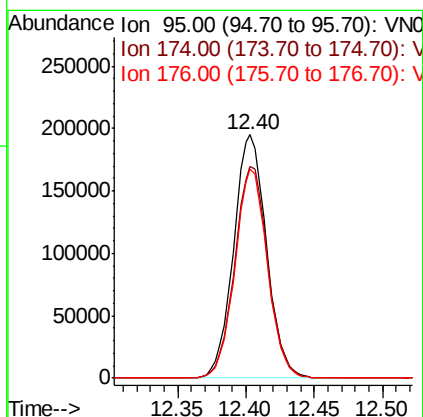
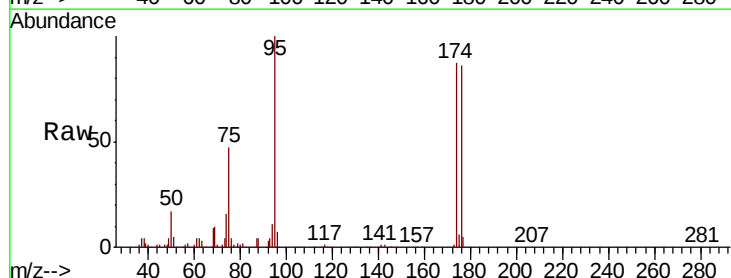
Instrument :
MSVOA_N
ClientSampled :
14B-3DL

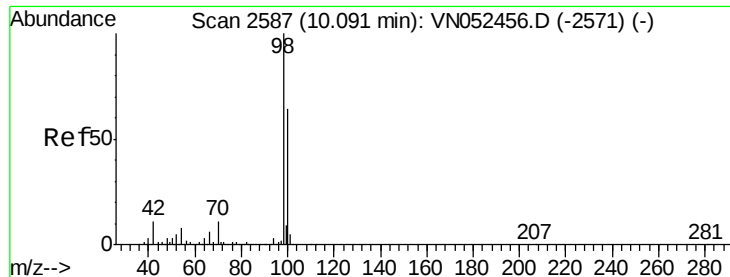
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.2	66.2
119	32.3	25.4	38.2



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	67.9	101.9
176	84.9	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: VN052547.D

Acq: 29 Nov 2018 4:20

Instrument :

MSVOA_N

ClientSampleId :

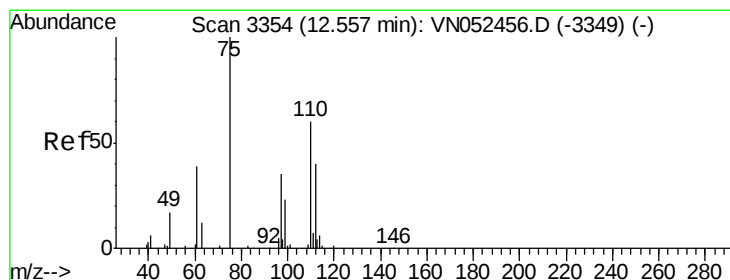
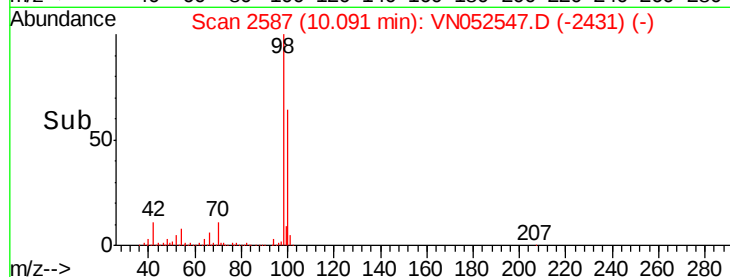
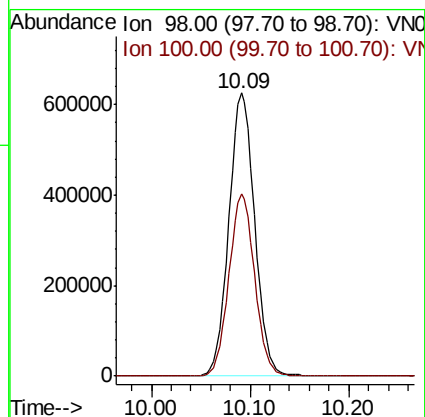
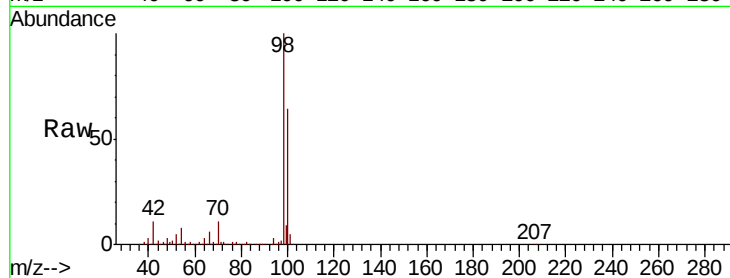
14B-3DL

Tot Ion: 98 Resp: 1147676

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



#72

1,2,3-Trichloropropane

Concen: 17.823 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052547.D

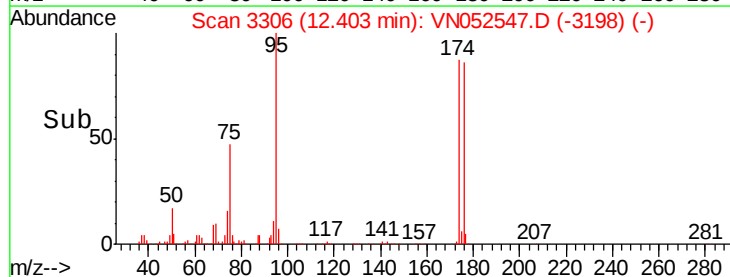
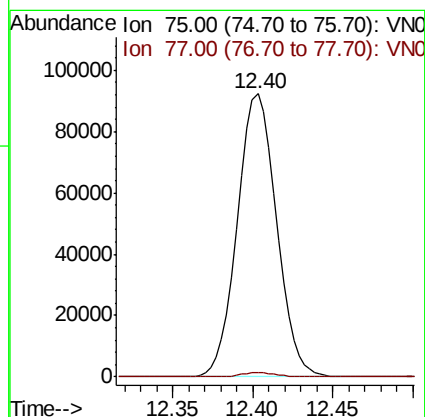
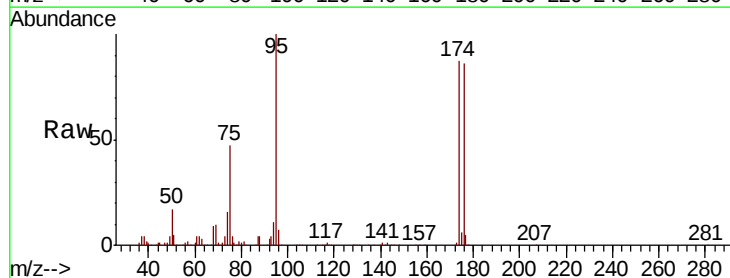
Acq: 29 Nov 2018 4:20

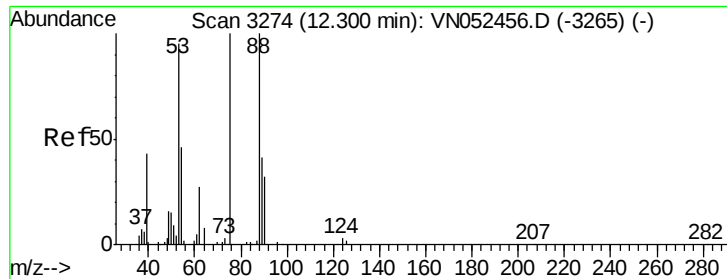
Tgt Ion: 75 Resp: 154348

Ion Ratio Lower Upper

75 100

77 1.3 0.0 514.8





#77
t-1,4-Dichloro-2-butene
Concen: 56.421 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052547.D
Acq: 29 Nov 2018 4:20

Instrument :
MSVOA_N
ClientSampleId :
14B-3DL

Tot Ion: 75 Resp: 154348
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#

