

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052353.D
 Acq On : 16 Nov 2018 9:26
 Operator : MD\SY
 Sample : VN1116WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBL01

Quant Time: Nov 16 22:34:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	42838	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	245462	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	209995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	106562	33.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.73%
60) 4-Bromofluorobenzene	12.40	95	85923	25.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.27%
63) Toluene-d8	10.09	98	298254	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

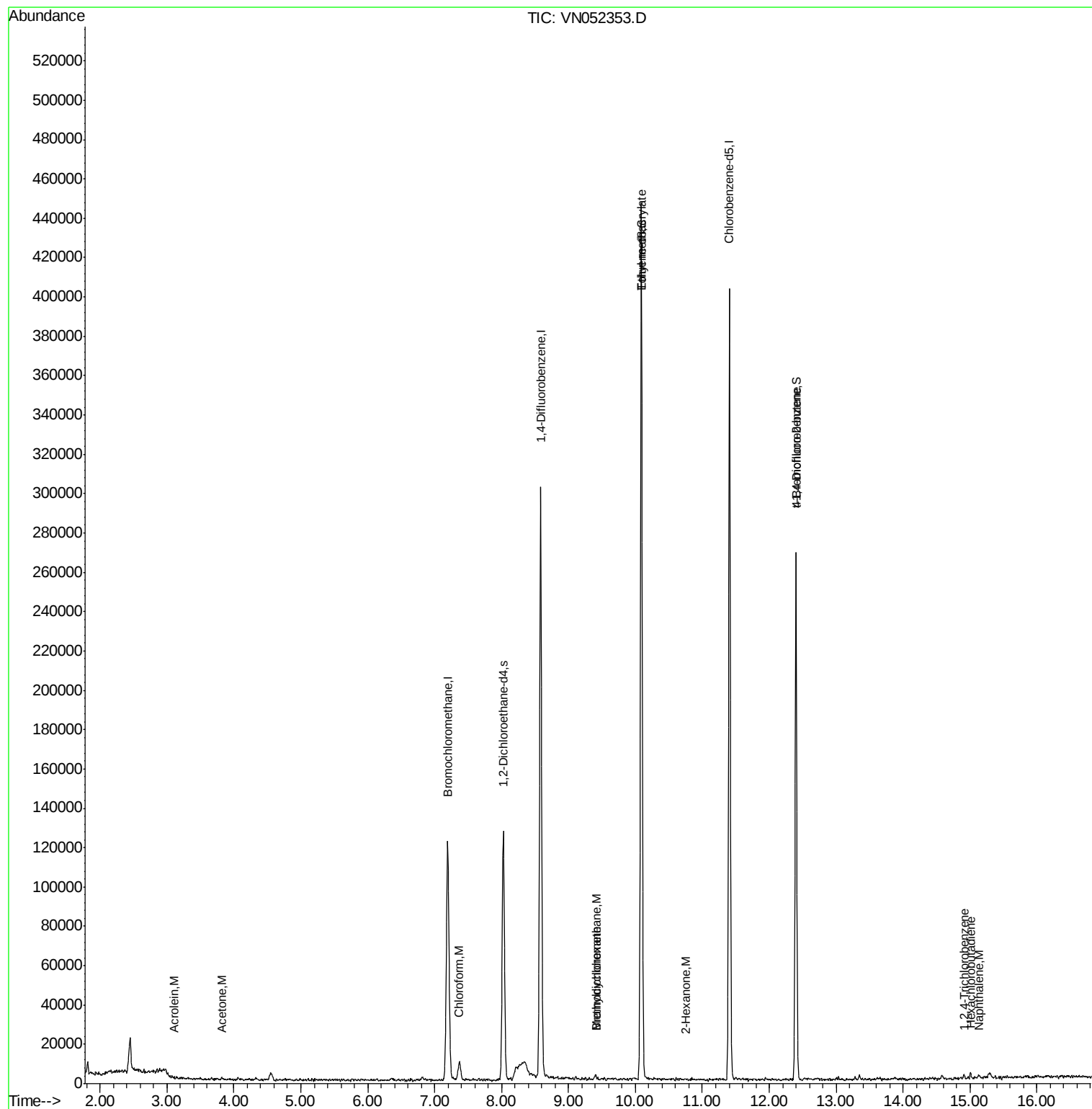
					Ovalue	
13) Acrolein	3.12	56	58	0.274	ug/l #	55
15) Acetone	3.83	58	110	0.526	ug/l #	1
25) Chloroform	7.37	83	8897	1.735	ug/l	86
38) Methylcyclohexane	9.41	83	1448	0.305	ug/l #	18
41) Bromodichloromethane	9.41	83	1448	0.378	ug/l #	94
51) Ethyl methacrylate	10.10	69	1256	0.393	ug/l	82
59) 2-Hexanone	10.75	43	385	0.248	ug/l #	44
77) t-1,4-Dichloro-2-butene	12.40	75	47794	62.950	ug/l #	9
89) 1,2,4-Trichlorobenzene	14.91	180	437	0.230	ug/l #	79
90) Hexachlorobutadiene	15.00	225	364	0.351	ug/l	67
91) Naphthalene	15.13	128	1087	0.249	ug/l #	77

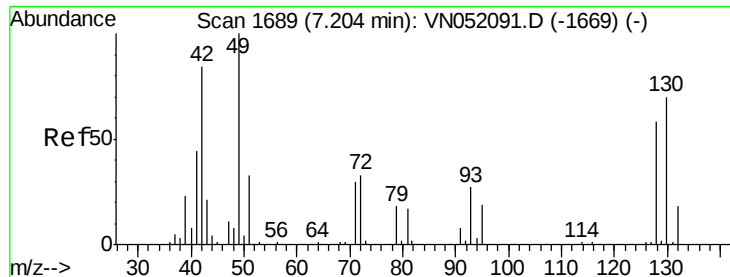
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
Data File : VN052353.D
Acq On : 16 Nov 2018 9:26
Operator : MD\SY
Sample : VN1116WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBL01

Quant Time: Nov 16 22:34:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN052353.D

Acq: 16 Nov 2018 9:26

Instrument :

MSVOA_N

ClientSampled :

VN1116WBL01

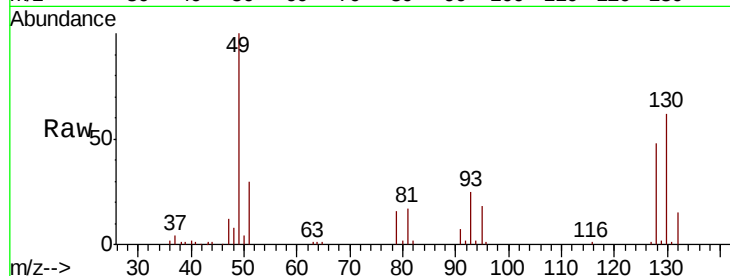
Tot Ion:128 Resp: 42838

Ion Ratio Lower Upper

128 100

49 200.8 0.0 453.7

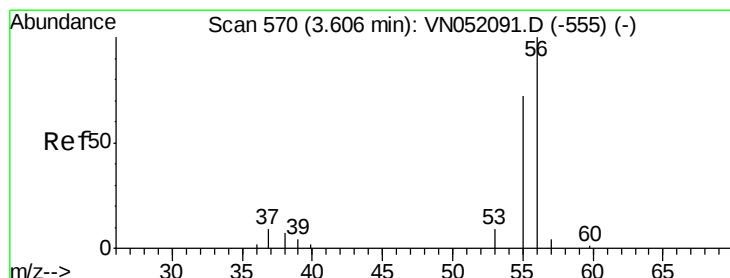
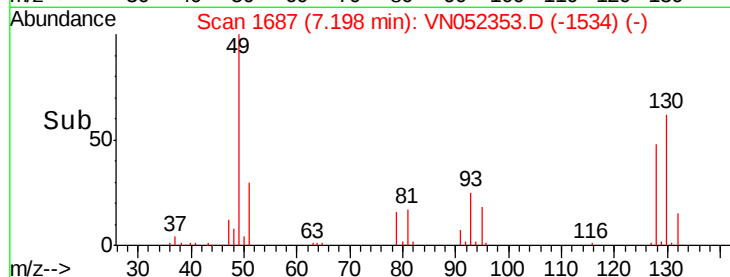
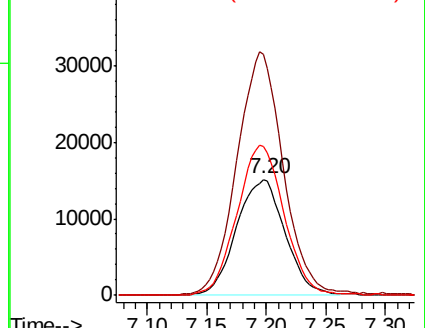
130 125.7 0.0 308.8



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: 0.274 ug/l

RT: 3.12 min Scan# 419

Delta R.T. -0.49 min

Lab File: VN052353.D

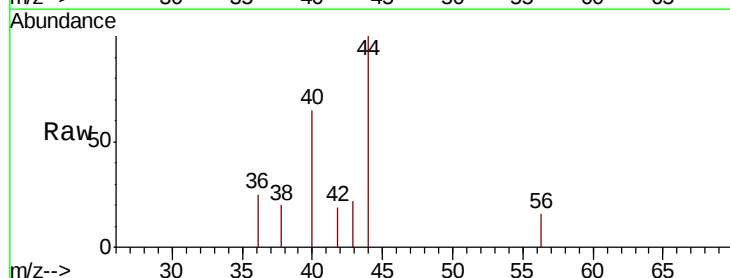
Acq: 16 Nov 2018 9:26

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

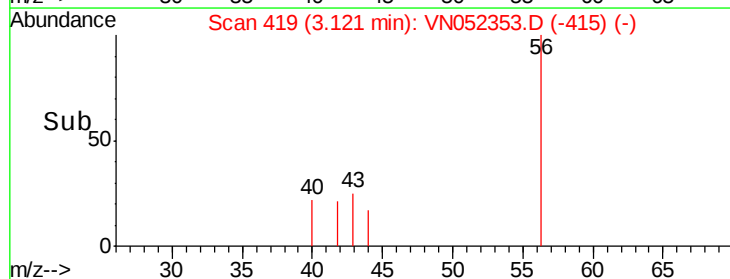
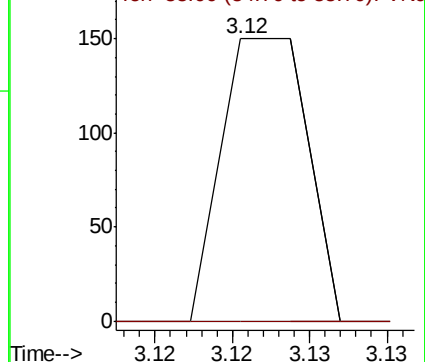
56 100

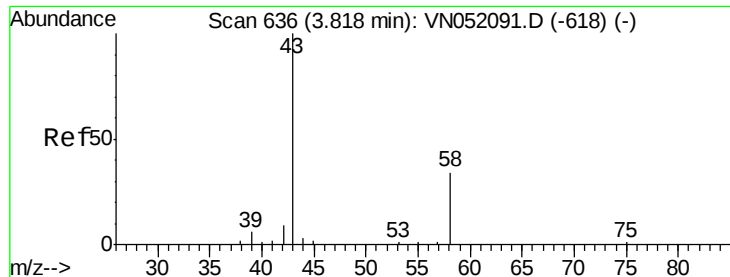
55 106.9 56.2 84.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 0.526 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN052353.D

Acq: 16 Nov 2018 9:26

Instrument :

MSVOA_N

ClientSampleId :

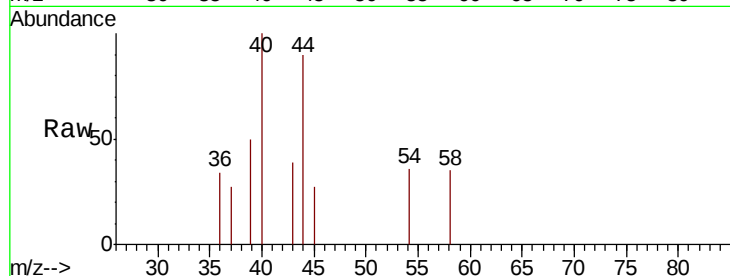
VN1116WBL01

Tot Ion: 58 Resp: 110

Ion Ratio Lower Upper

58 100

43 0.0 234.7 352.1#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

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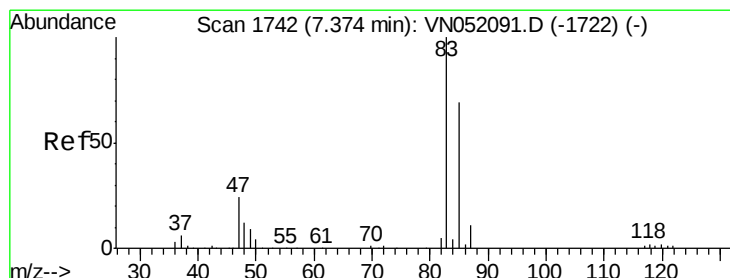
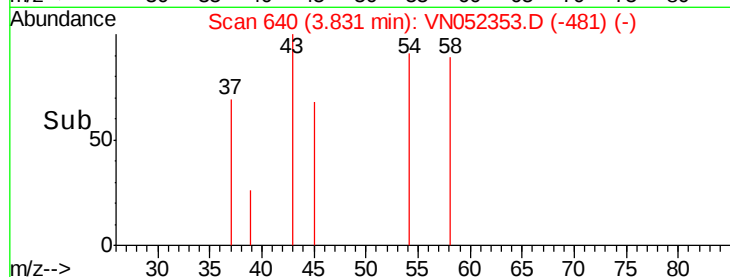
3.83

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#25

Chloroform

Concen: 1.735 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN052353.D

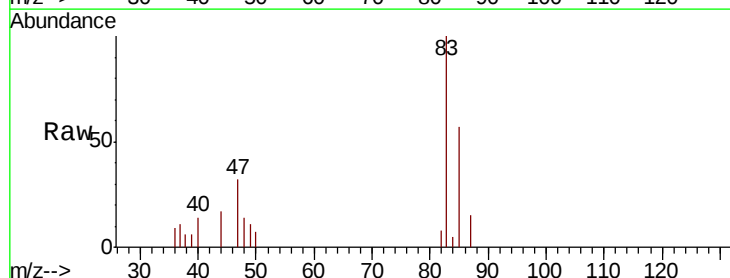
Acq: 16 Nov 2018 9:26

Tgt Ion: 83 Resp: 8897

Ion Ratio Lower Upper

83 100

85 57.0 54.9 82.3



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

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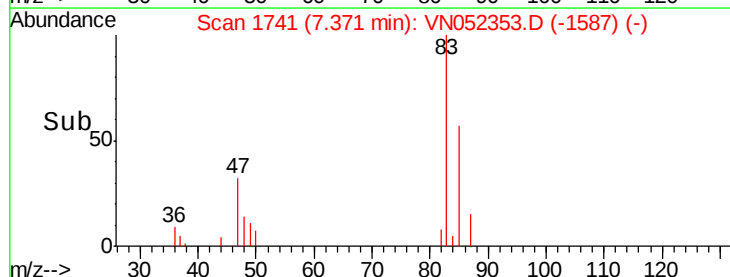
7.37

7.37

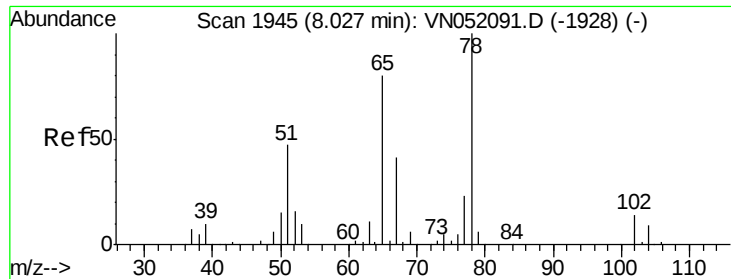
7.37

7.37

7.37



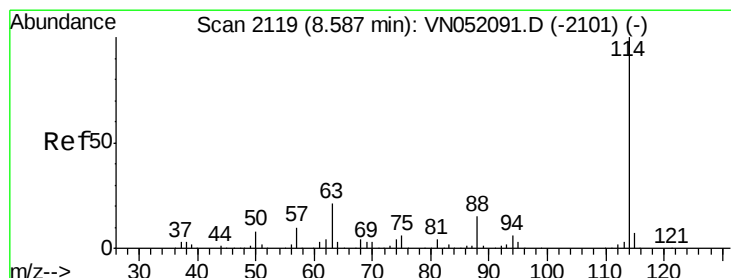
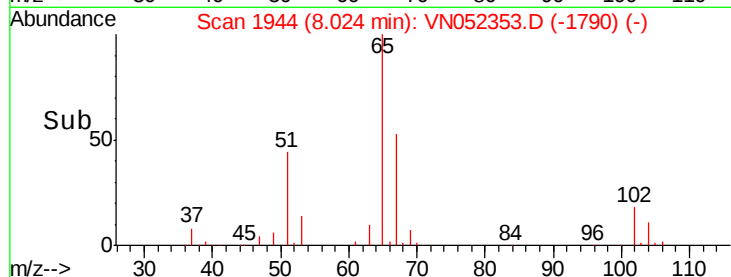
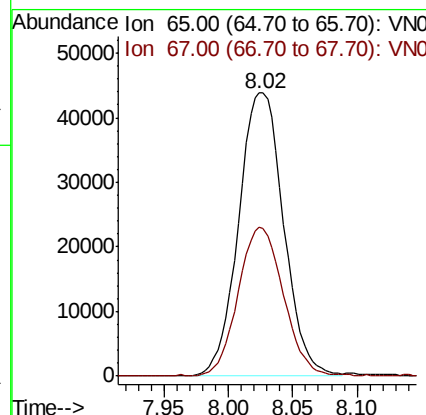
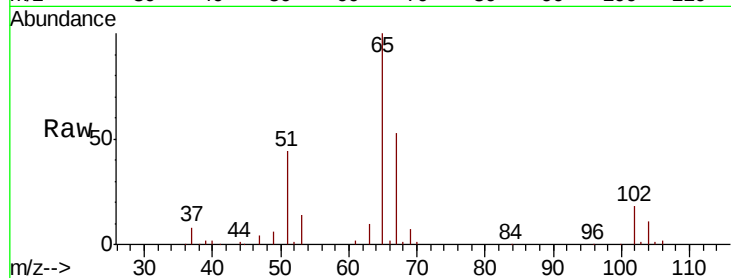
Time-->



#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052353.D
 Acq: 16 Nov 2018 9:26

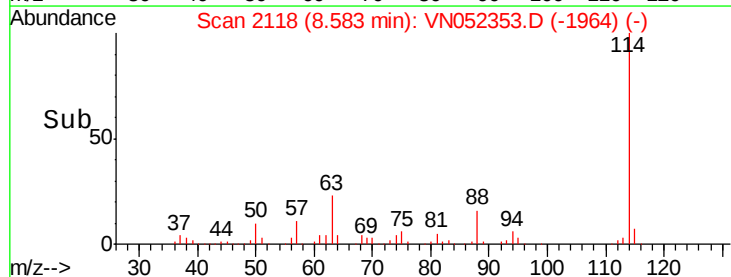
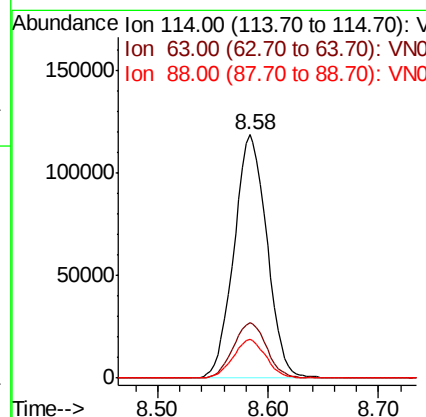
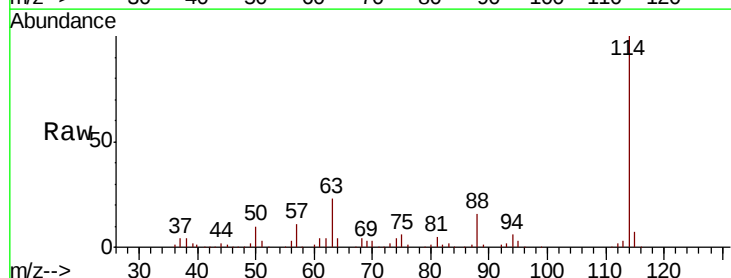
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBL01

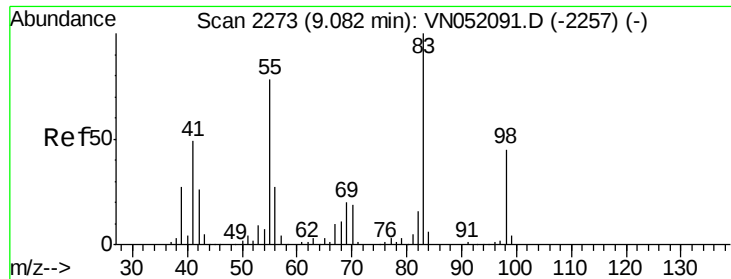
Tot Ion: 65 Resp: 106562
 Ion Ratio Lower Upper
 65 100
 67 52.9 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052353.D
 Acq: 16 Nov 2018 9:26

Tgt Ion: 114 Resp: 245462
 Ion Ratio Lower Upper
 114 100
 63 23.1 17.5 26.3
 88 15.9 12.6 18.8

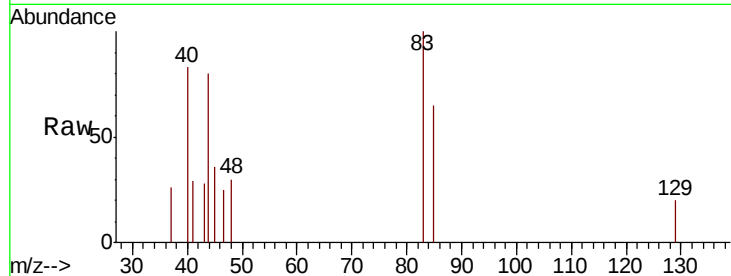




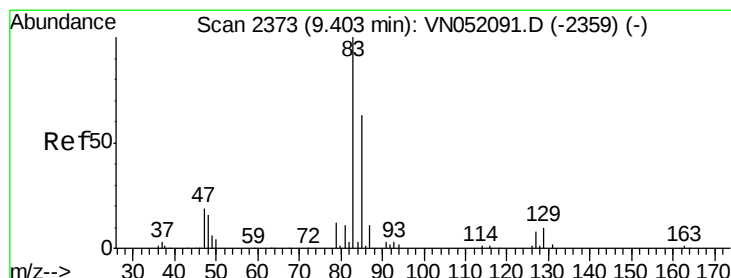
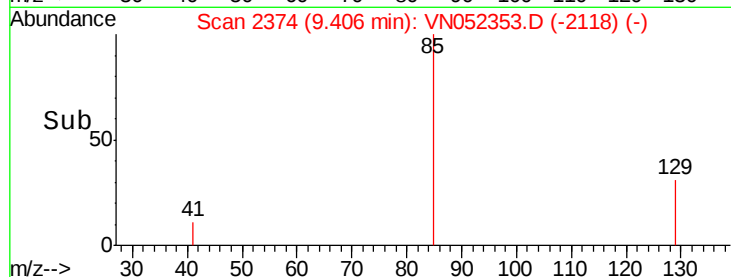
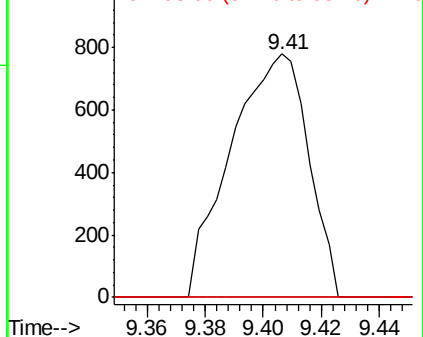
#38
Methylcyclohexane
Concen: 0.305 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.32 min
Lab File: VN052353.D
Acq: 16 Nov 2018 9:26

Instrument :
MSVOA_N
ClientSampled :
VN1116WBL01

Tot Ion: 83 Resp: 1448
Ion Ratio Lower Upper
83 100
55 0.0 38.5 115.3#
98 0.0 23.2 69.6#

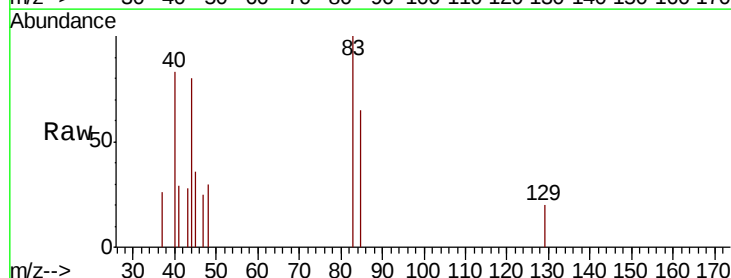


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

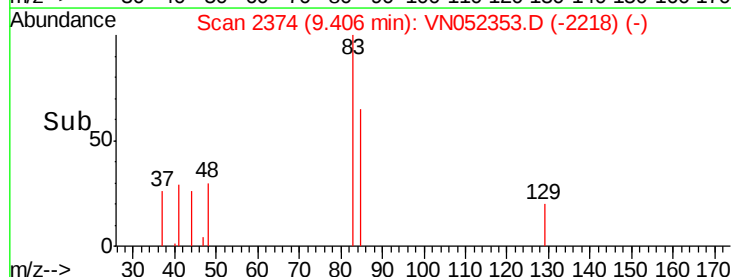
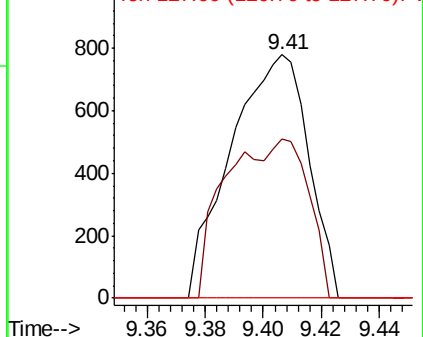


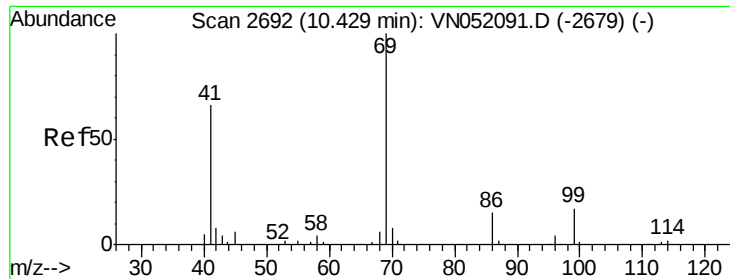
#41
Bromodichloromethane
Concen: 0.378 ug/l
RT: 9.41 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN052353.D
Acq: 16 Nov 2018 9:26

Tgt Ion: 83 Resp: 1448
Ion Ratio Lower Upper
83 100
85 65.5 50.2 75.2
127 0.0 6.6 10.0#



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

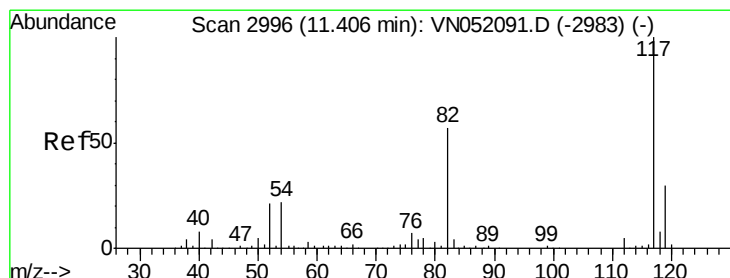
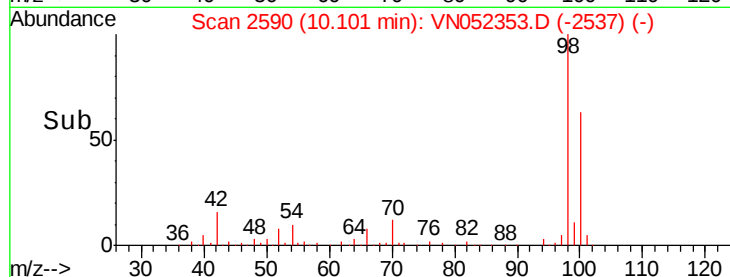
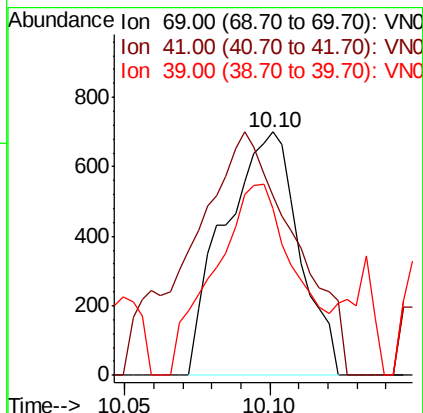
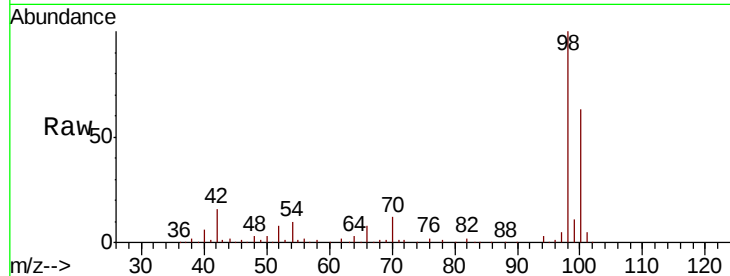




#51
Ethyl methacrylate
Concen: 0.393 ug/l
RT: 10.10 min Scan# 2590
Delta R.T. -0.33 min
Lab File: VN052353.D
Acq: 16 Nov 2018 9:26

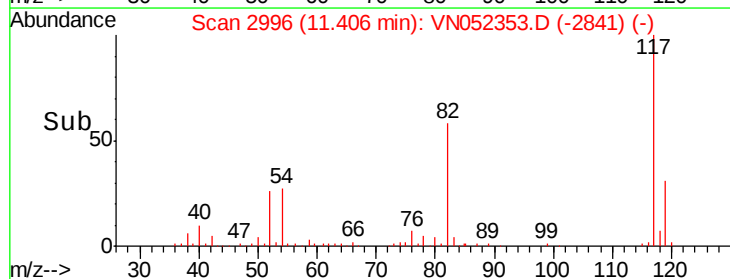
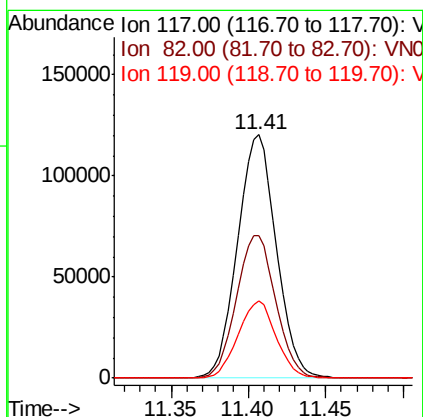
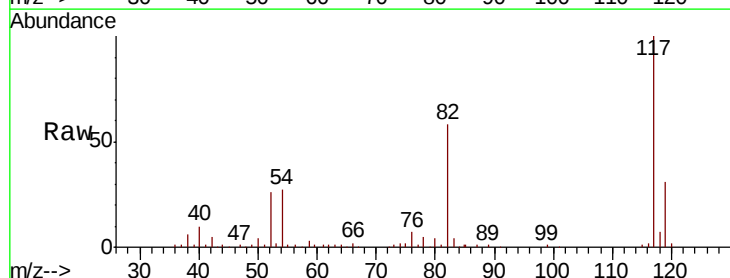
Instrument :
MSVOA_N
ClientSampled :
VN1116WBL01

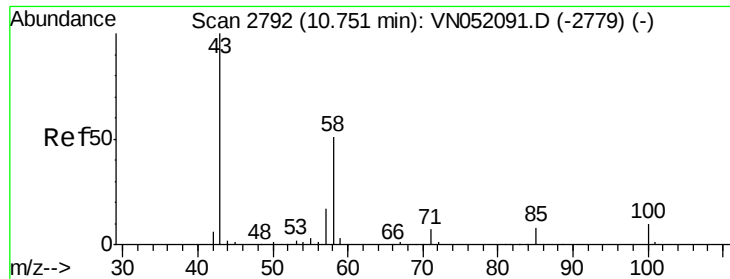
Tot Ion: 69 Resp: 1256
Ion Ratio Lower Upper
69 100
41 43.1 33.0 99.0
39 42.1 20.7 62.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052353.D
Acq: 16 Nov 2018 9:26

Tgt Ion: 117 Resp: 209995
Ion Ratio Lower Upper
117 100
82 59.4 45.0 67.6
119 31.0 24.2 36.4

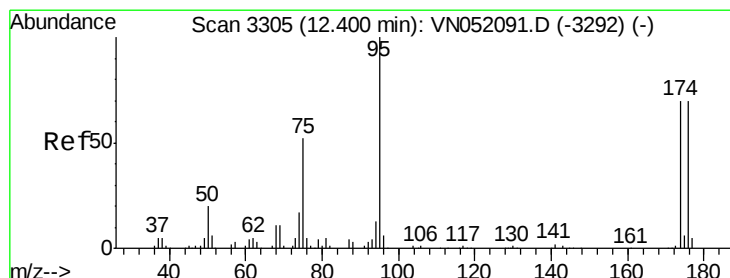
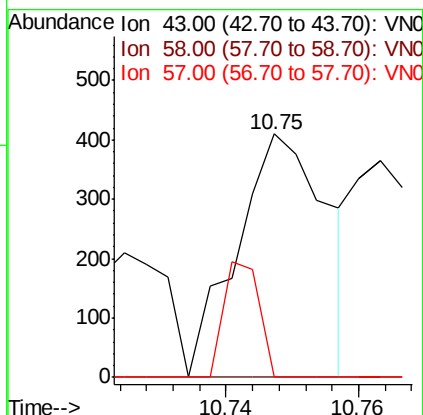
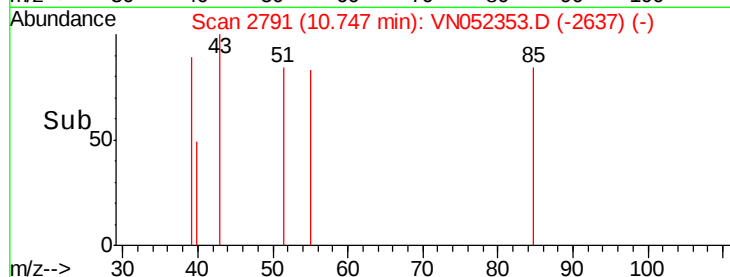
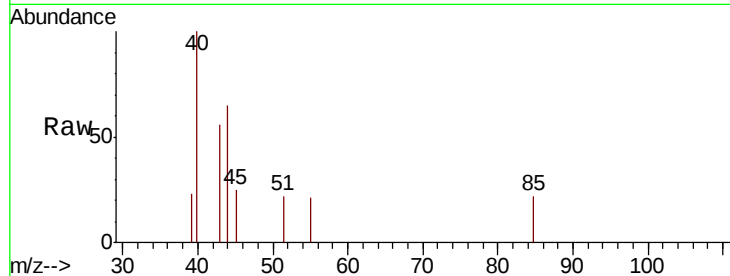




#59
2-Hexanone
Concen: 0.248 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN052353.D
Acq: 16 Nov 2018 9:26

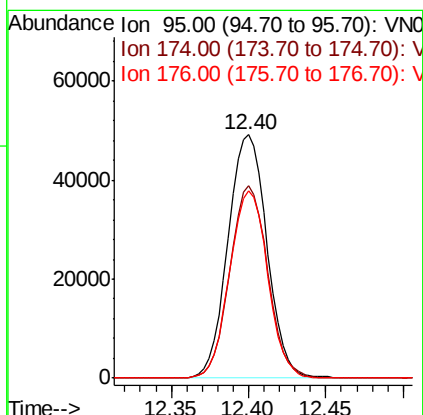
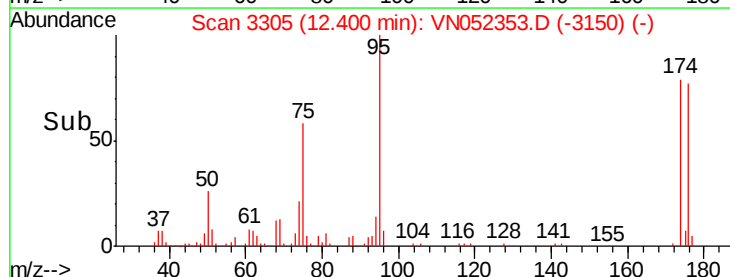
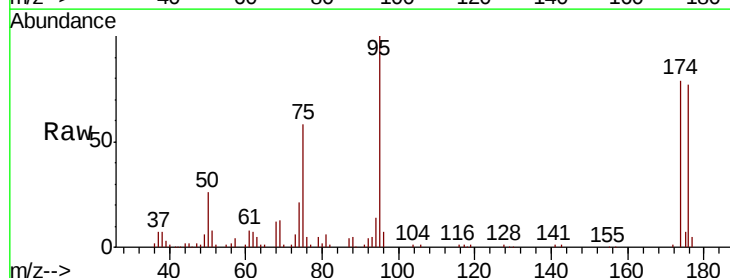
Instrument :
MSVOA_N
ClientSampled :
VN1116WBL01

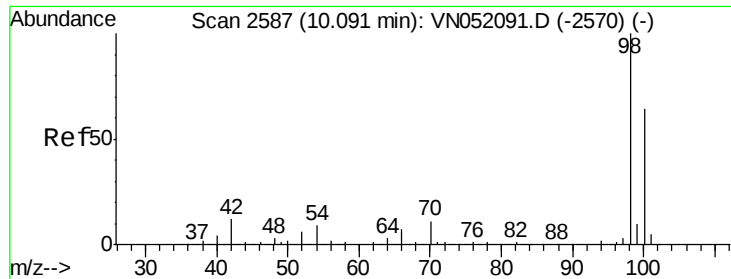
Tot Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 40.8 61.2#
57 18.7 13.8 20.8



#60
4-Bromofluorobenzene
Concen: 0.248 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052353.D
Acq: 16 Nov 2018 9:26

Tgt Ion: 95 Resp: 85923
Ion Ratio Lower Upper
95 100
174 76.8 55.0 82.6
176 75.2 54.2 81.4





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052353.D

Acq: 16 Nov 2018 9:26

Instrument :

MSVOA_N

ClientSampleId :

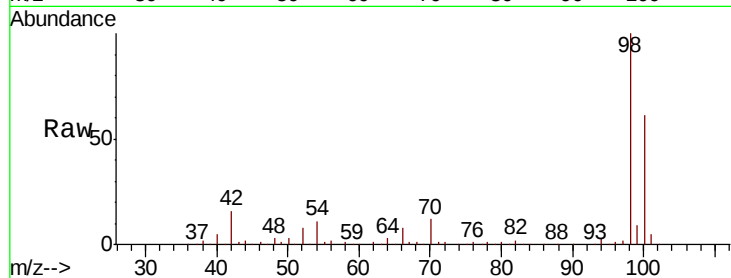
VN1116WBL01

Tot Ion: 98 Resp: 298254

Ion Ratio Lower Upper

98 100

100 61.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN052091.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052091.D (-2570) (-)

10.09

150000

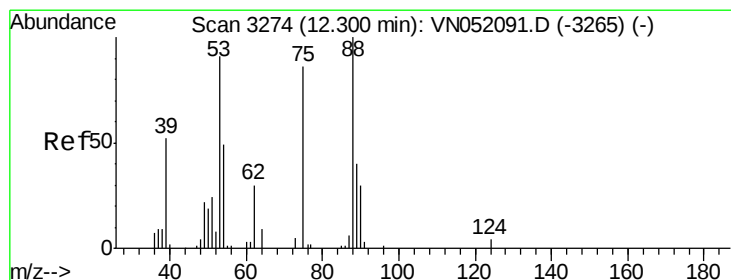
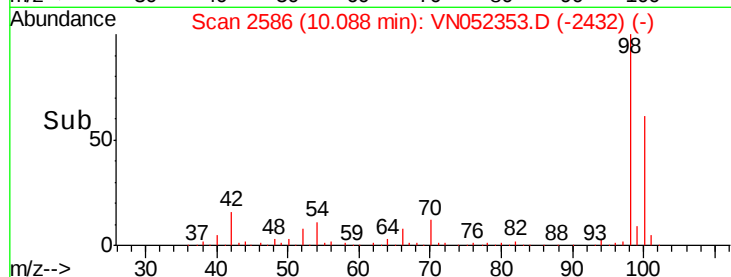
100000

50000

0

Time-->

10.00 10.05 10.10 10.15



#77

t-1,4-Dichloro-2-butene

Concen: 62.950 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052353.D

Acq: 16 Nov 2018 9:26

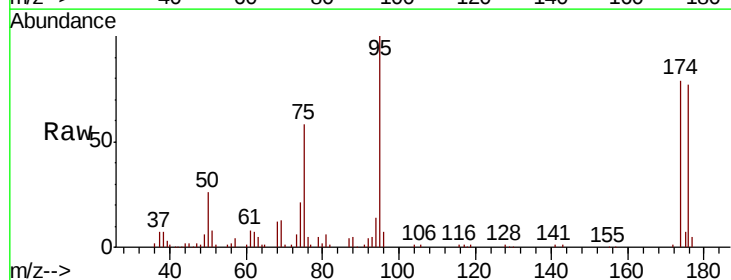
Tgt Ion: 75 Resp: 47794

Ion Ratio Lower Upper

75 100

53 0.0 50.7 152.1#

89 0.8 23.8 71.5#



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052091.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN052091.D (-3265) (-)

12.40

40000

30000

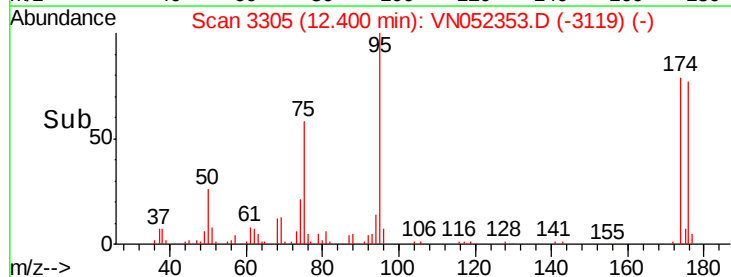
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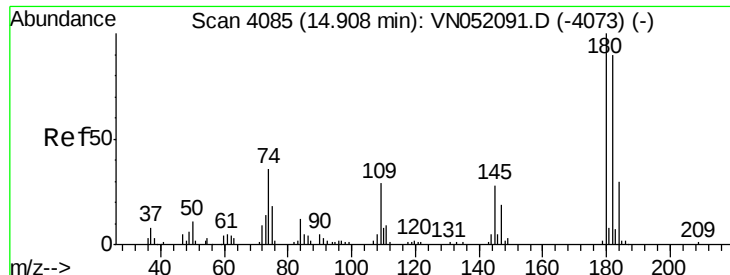
10000

0

Time-->

12.35 12.40 12.45

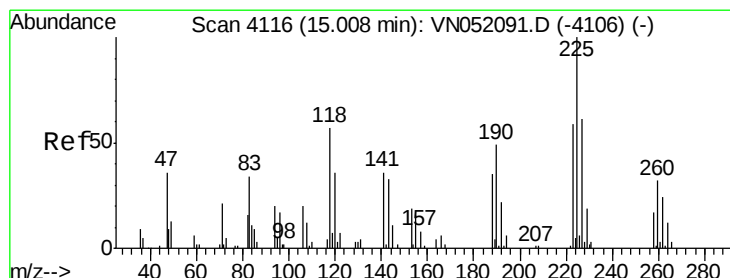
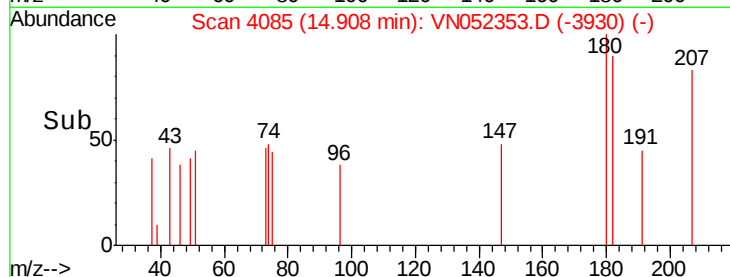
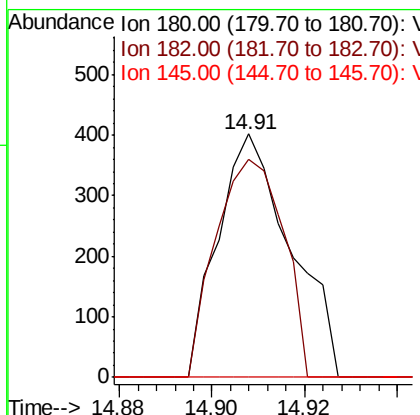
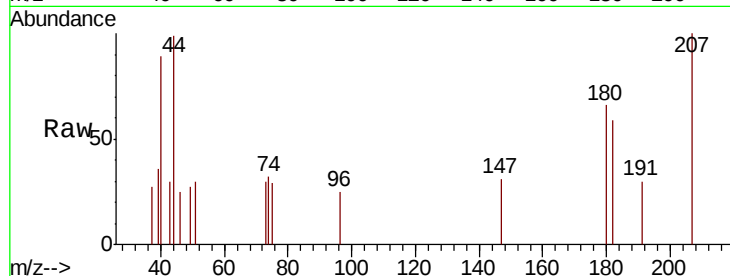




#89
 1,2,4-Trichlorobenzene
 Concen: 0.230 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052353.D
 Acq: 16 Nov 2018 9:26

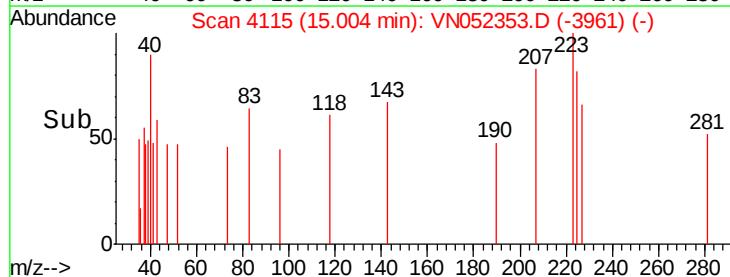
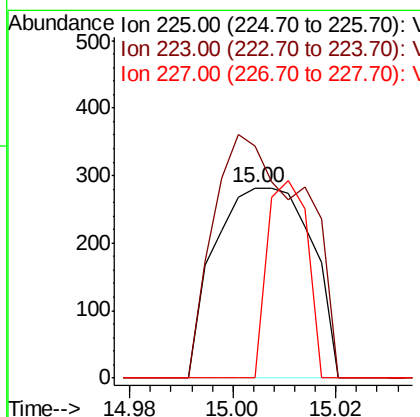
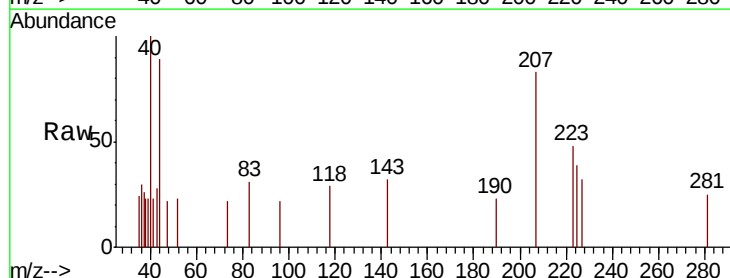
Instrument :
 MSVOA_N
 ClientSampled :
 VN1116WBL01

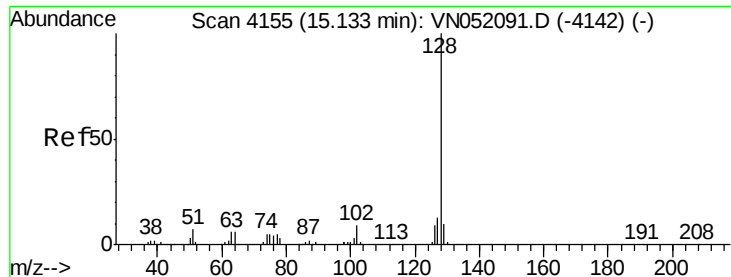
Tot Ion:180 Resp: 437
 Ion Ratio Lower Upper
 180 100
 182 83.8 74.0 111.0
 145 0.0 24.6 36.8#



#90
 Hexachlorobutadiene
 Concen: 0.351 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN052353.D
 Acq: 16 Nov 2018 9:26

Tgt Ion:225 Resp: 364
 Ion Ratio Lower Upper
 225 100
 223 91.8 0.0 121.2
 227 43.1 0.0 127.2





#91

Naphthalene

Concen: 0.249 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052353.D

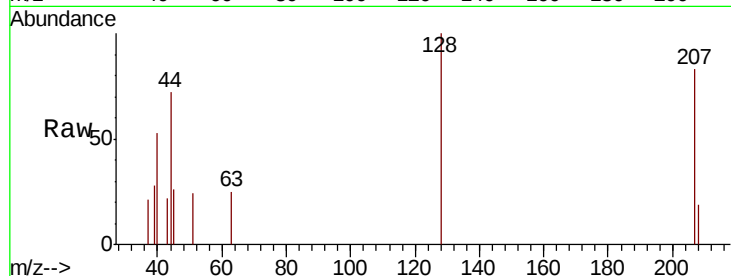
Acq: 16 Nov 2018 9:26

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBL01



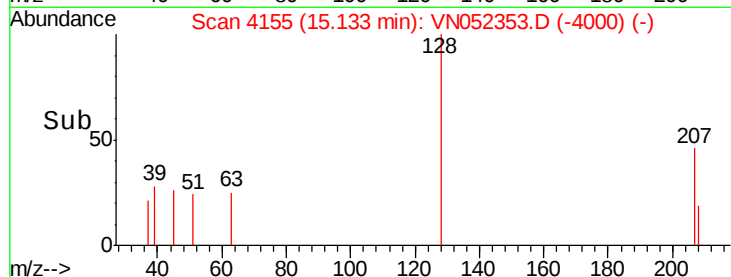
Tot Ion:128 Resp: 1087

Ion Ratio Lower Upper

128 100

127 5.4 10.4 15.6#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

