

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052316.D
 Acq On : 14 Nov 2018 16:42
 Operator : MD\SY
 Sample : J5164-09 0.5ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
 APPROVED

Quant Time: Nov 15 04:39:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	254198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	450017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	389875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	190875	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
35) Dibromofluoromethane	7.59	113	145373	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	551259	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	163191	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	

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Target Compounds

						Qvalue
6) Chloroethane	2.71	64	1241	0.678	ug/l	97
8) Diethyl Ether	3.41	74	869m	0.509	ug/l	
12) 1,1-Dichloroethene	3.74	96	1489	0.569	ug/l #	76
15) Acrylonitrile	4.99	53	3209m	2.964	ug/l	
37) Ethyl Acetate	6.94	43	1790m	0.547	ug/l	
81) trans-1,4-Dichloro-2-buten	12.29	75	287m	0.401	ug/l	

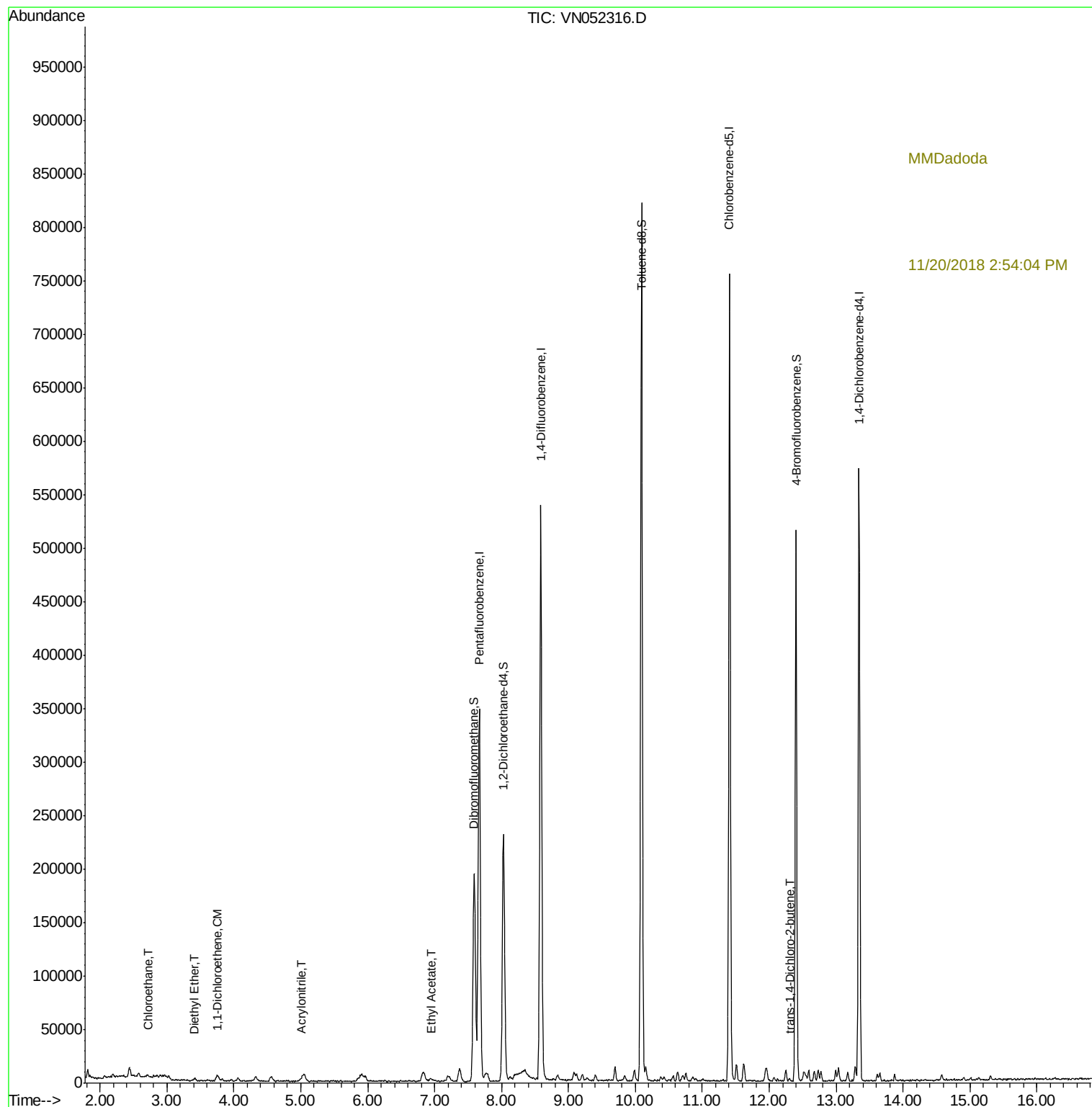
(#) = qualifier out of range (m) = manual integration (+) = signals summed

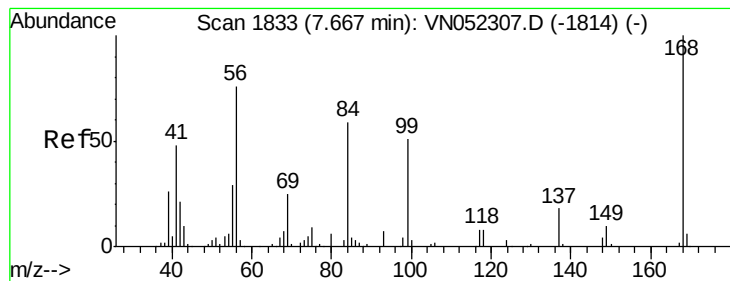
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111418\
Data File : VN052316.D
Acq On : 14 Nov 2018 16:42
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Quant Time: Nov 15 04:39:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

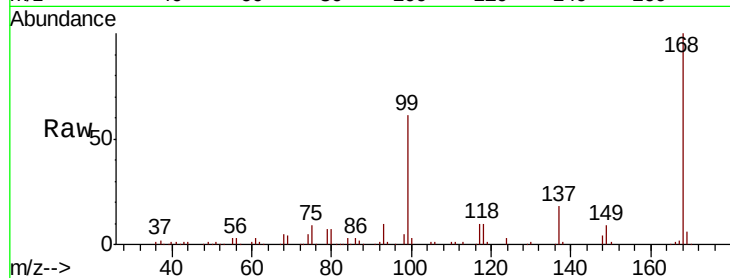
Tot Ion:168 Resp: 254198

Ion Ratio Lower Upper

168 100

99 61.2 47.9 71.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

120000

100000

80000

60000

40000

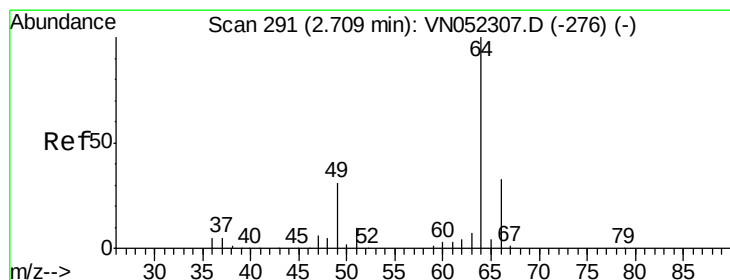
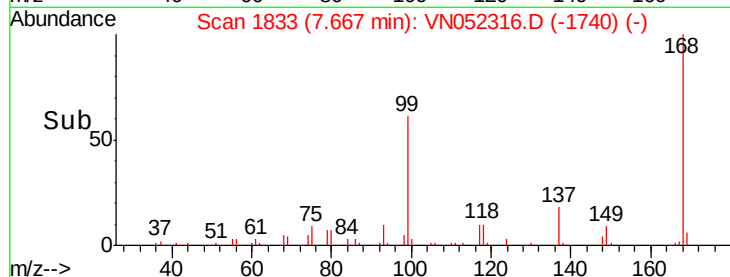
20000

0

Time-->

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#6

Chloroethane

Concen: 0.678 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052316.D

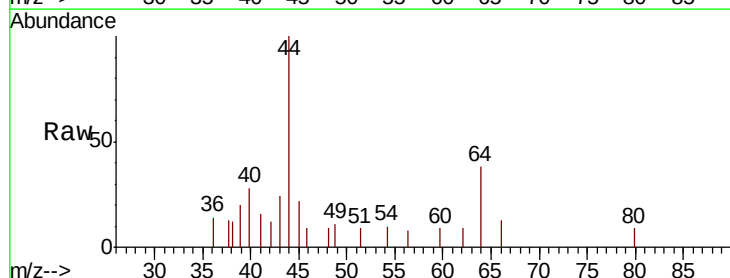
Acq: 14 Nov 2018 16:42

Tgt Ion: 64 Resp: 1241

Ion Ratio Lower Upper

64 100

66 34.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN

Ion 65.90 (65.60 to 66.60): VN

2.71

800

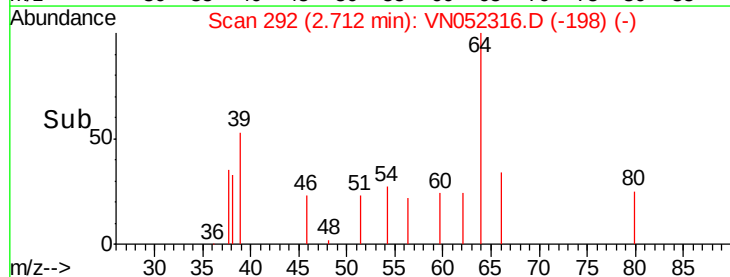
600

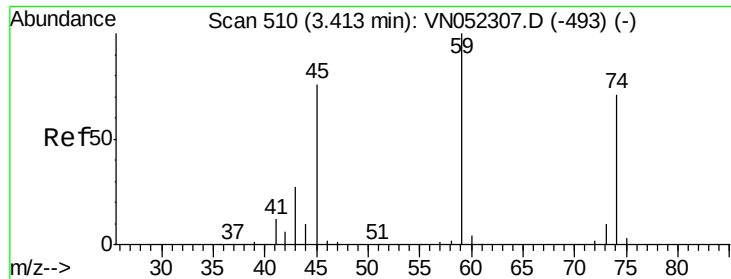
400

200

0

Time-->





#8

Diethyl Ether

Concen: 0.509 ug/l m

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

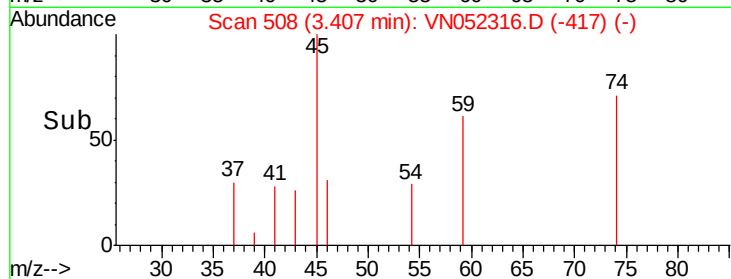
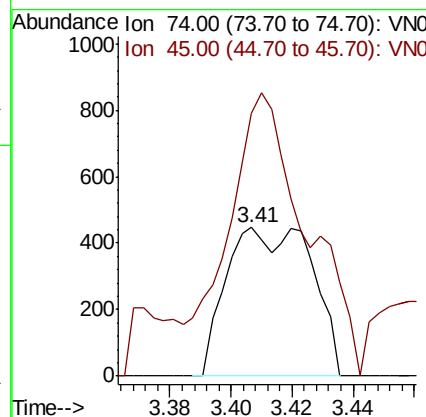
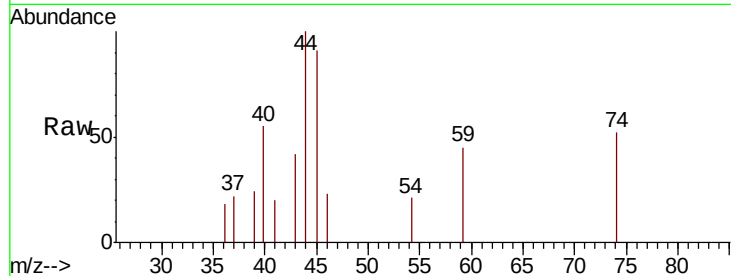
Tot Ion: 74 Resp: 869

Ion Ratio Lower Upper

74 100

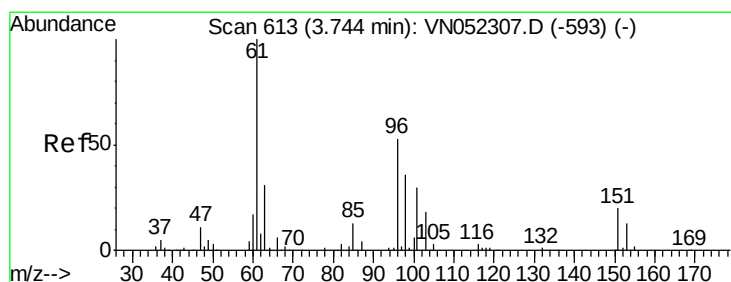
45 175.4 54.3 162.9#

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#12

1,1-Dichloroethene

Concen: 0.569 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

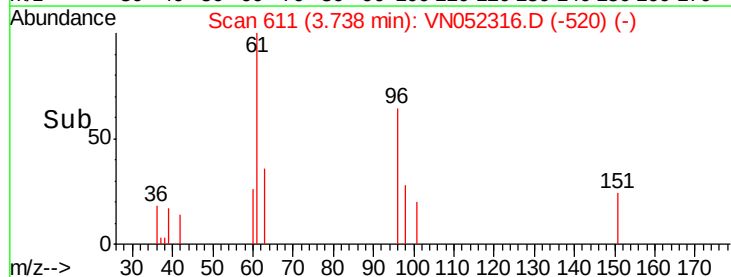
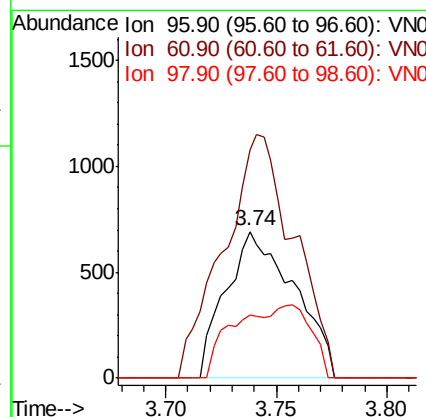
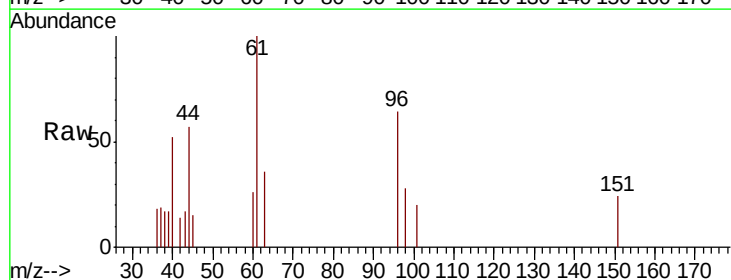
Tgt Ion: 96 Resp: 1489

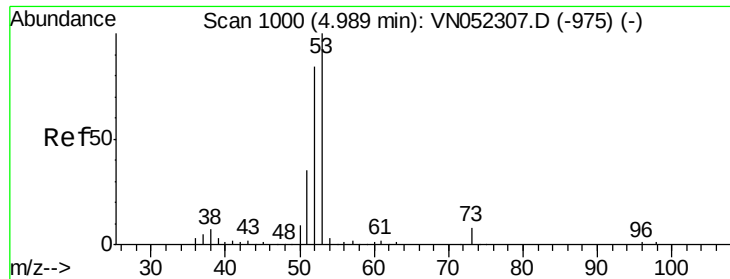
Ion Ratio Lower Upper

96 100

61 155.7 149.6 224.4

98 43.0 54.2 81.2#





#15

Acrylonitrile

Concen: 2.964 ug/l m

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

Tot Ion: 53 Resp: 3209

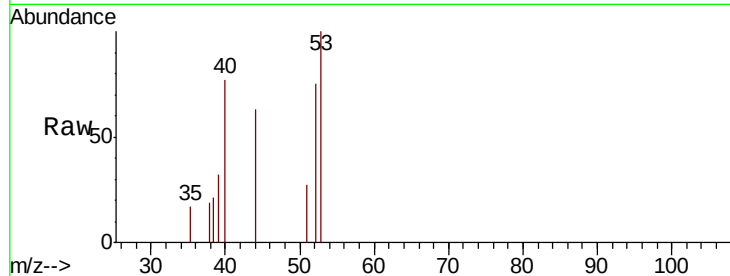
Ion Ratio Lower Upper

53 100

52 71.3 67.5 101.3

51 9.9 29.9 44.9#

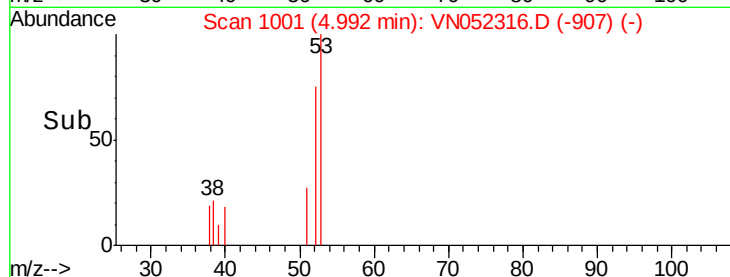
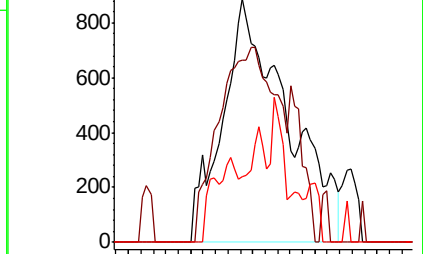
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Abundance Ion 53.00 (52.70 to 53.70): VN052307.D (-975) (-)

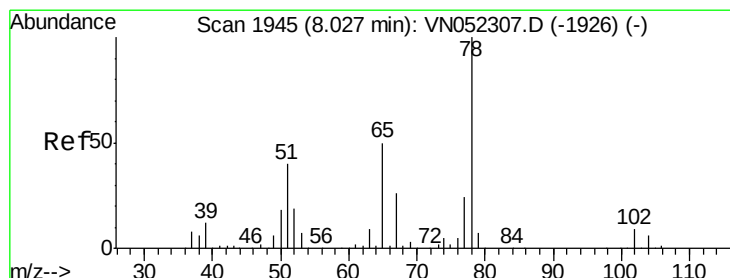
Ion 52.00 (51.70 to 52.70): VN052307.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN052307.D (-975) (-)



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#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052316.D

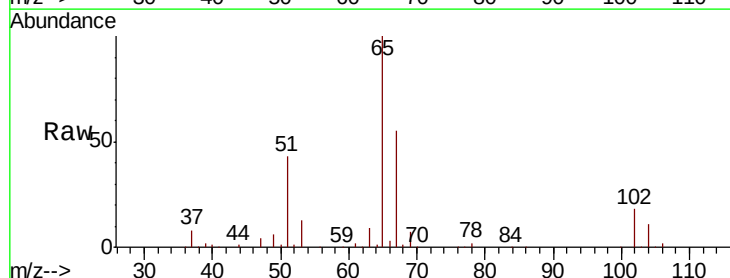
Acq: 14 Nov 2018 16:42

Tgt Ion: 65 Resp: 190875

Ion Ratio Lower Upper

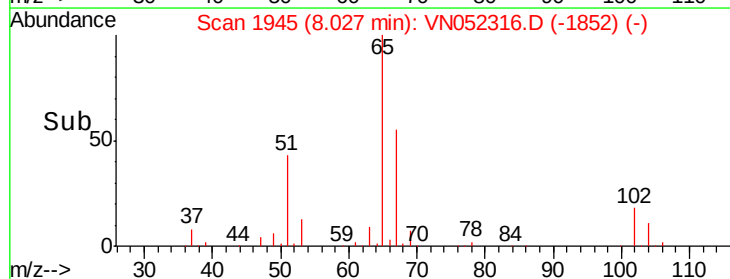
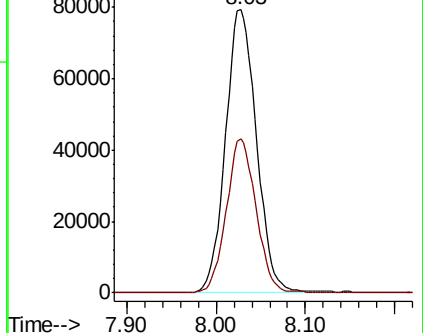
65 100

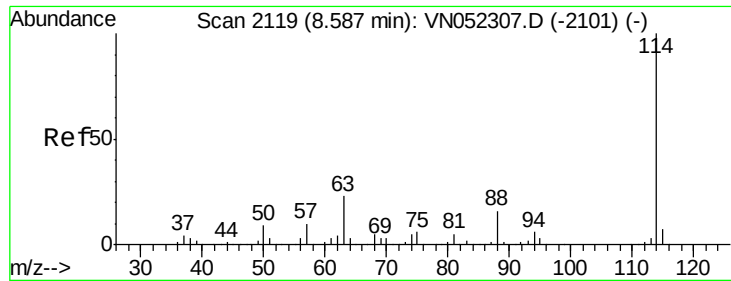
67 52.6 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN052307.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN052307.D (-1926) (-)



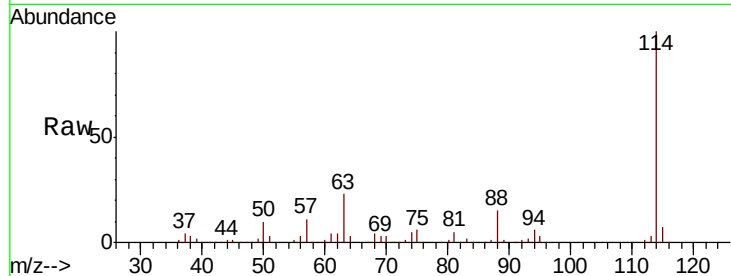


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052316.D
 Acq: 14 Nov 2018 16:42

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Tot Ion	Ratio	Resp	Lower	Upper
114	100	450017		
63	22.7	0.0	45.4	
88	15.0	0.0	31.2	

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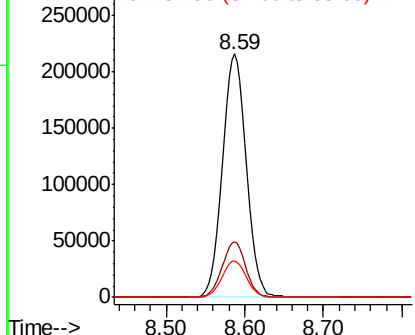


Abundance

Ion 113.90 (113.60 to 114.60): V

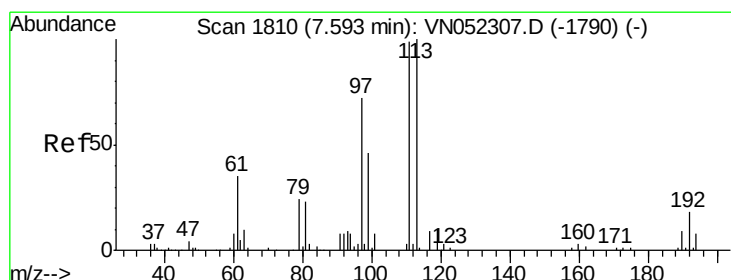
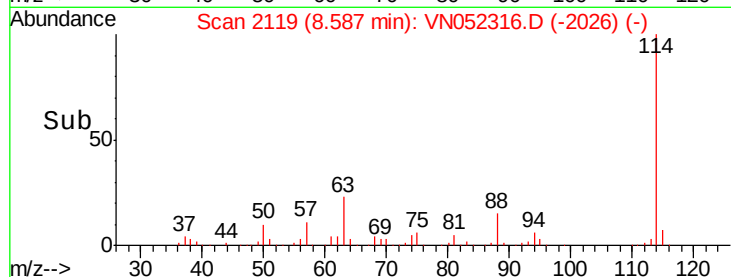
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



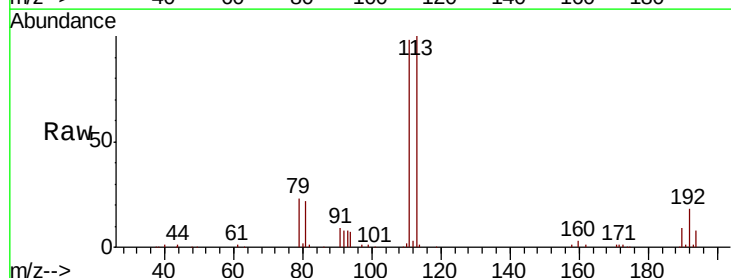
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052316.D
 Acq: 14 Nov 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	145373		
111	101.1	81.0	121.6	
192	17.3	13.8	20.6	

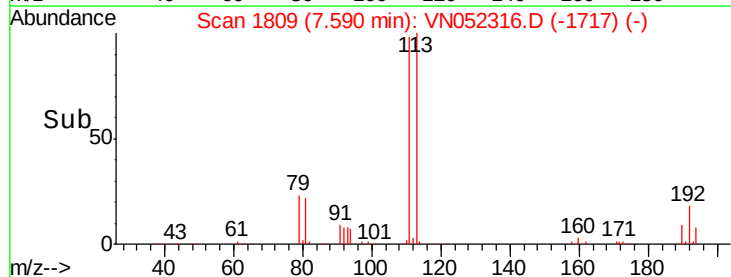
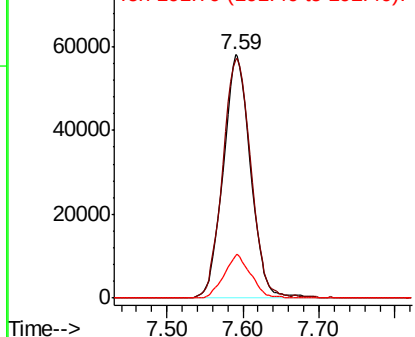


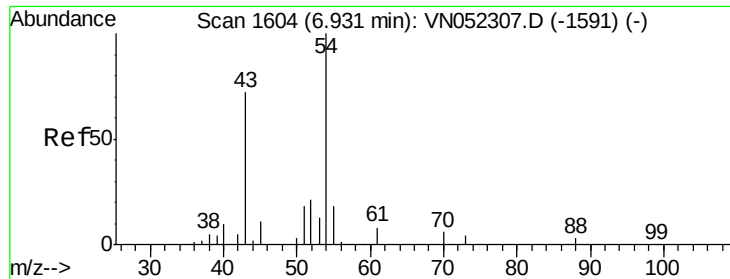
Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#37

Ethyl Acetate

Concen: 0.547 ug/l m

RT: 6.94 min Scan# 1608

Delta R.T. 0.01 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Instrument :

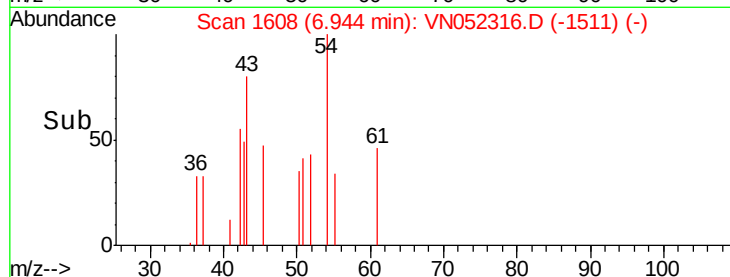
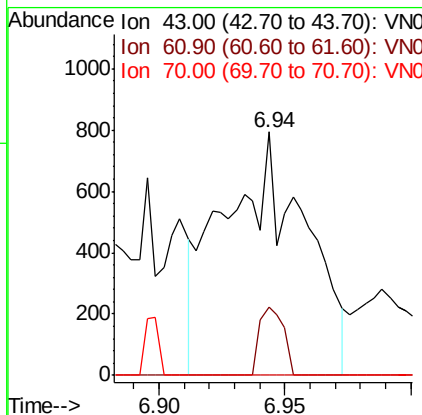
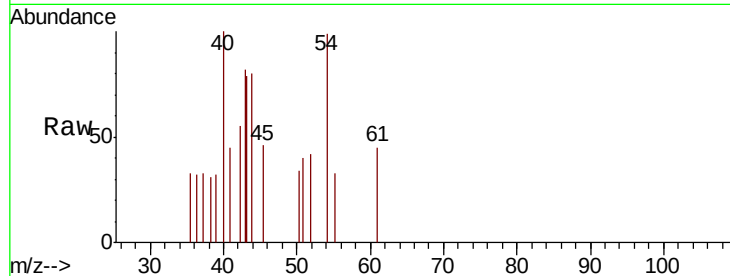
MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2018

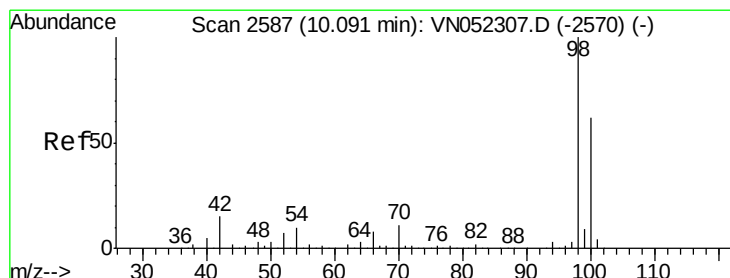
Tot Ion:	43	Resp:	1790
Ion	Ratio	Lower	Upper
43	100		
61	8.2	10.3	15.5#
70	0.0	5.6	8.4#

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#50

Toluene-d8

Concen: N.D. ug/l

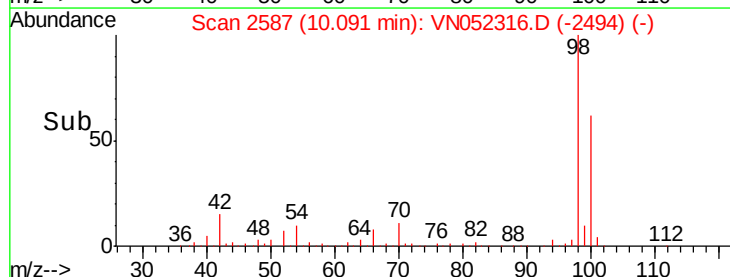
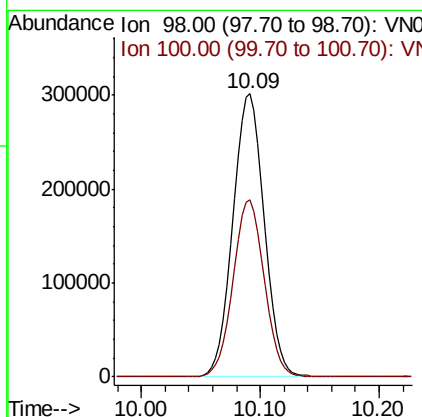
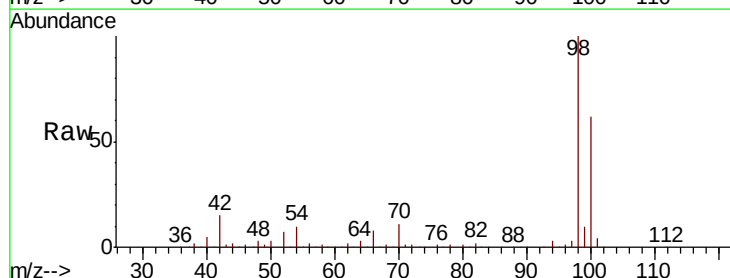
RT: 10.09 min Scan# 2587

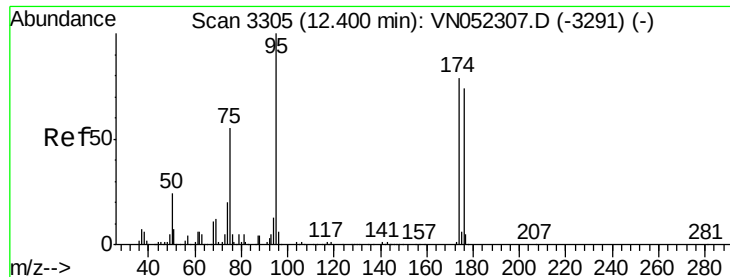
Delta R.T. -0.00 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Tgt Ion:	98	Resp:	551259
Ion	Ratio	Lower	Upper
98	100		
100	62.0	49.5	74.3





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Instrument :

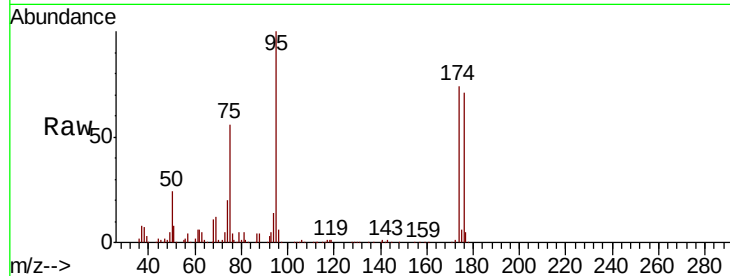
MSVOA_N

ClientSampleId :

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Tot Ion:	95	Resp:	163191
Ion Ratio	Lower	Upper	
95	100		
174	76.2	0.0	156.0
176	73.7	0.0	148.4

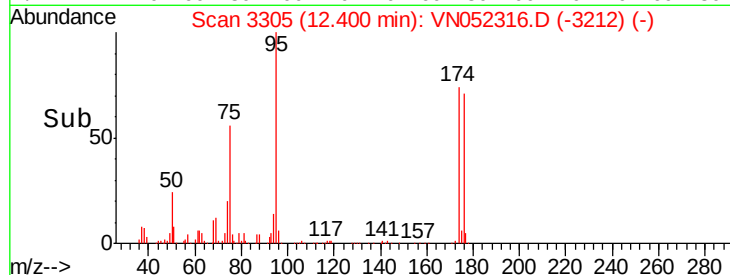
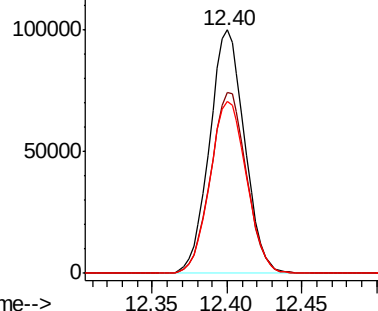
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Abundance Ion 94.90 (94.60 to 95.60): VN052316.D (-2903) (-)

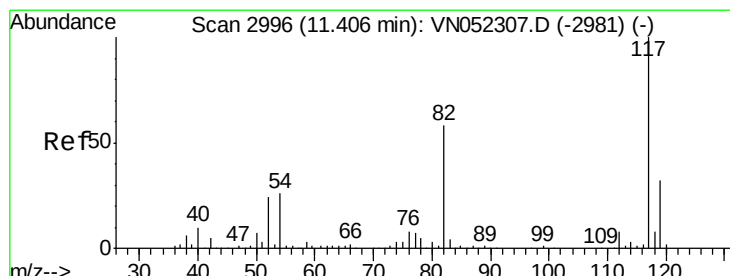
Ion 173.80 (173.50 to 174.50): VN052316.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052316.D (-2903) (-)



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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

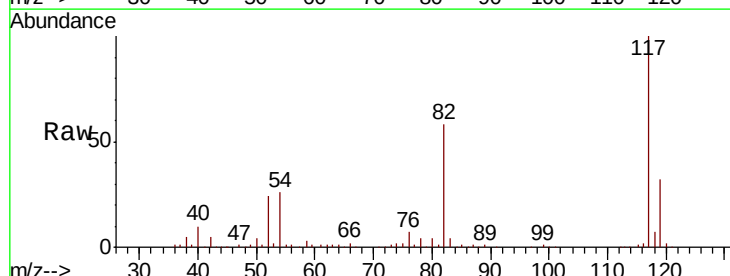
RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

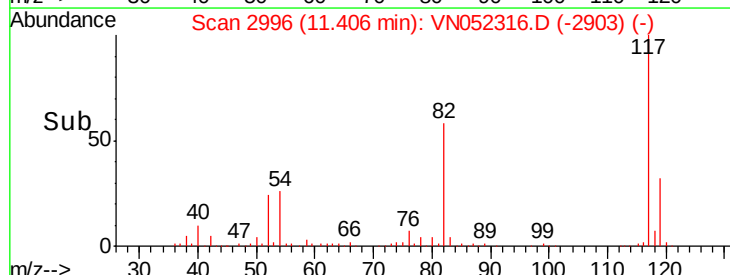
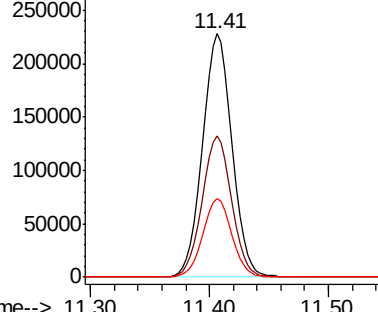
Tgt Ion:	117	Resp:	389875
Ion Ratio	Lower	Upper	
117	100		
82	57.8	46.5	69.7
119	32.4	25.7	38.5

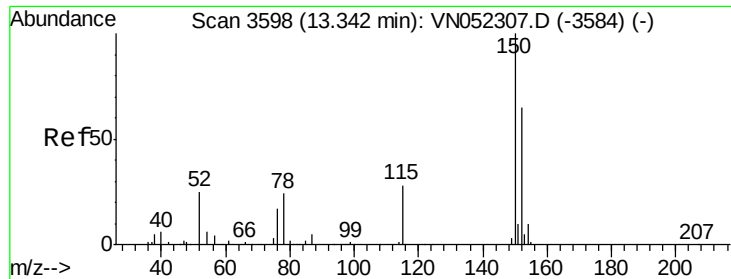


Abundance Ion 116.90 (116.60 to 117.60): VN052316.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052316.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052316.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Instrument :

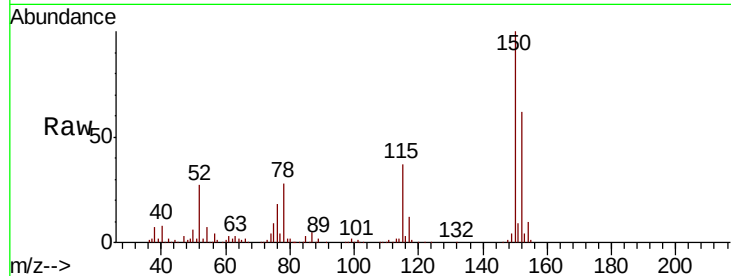
MSVOA_N

ClientSampleId :

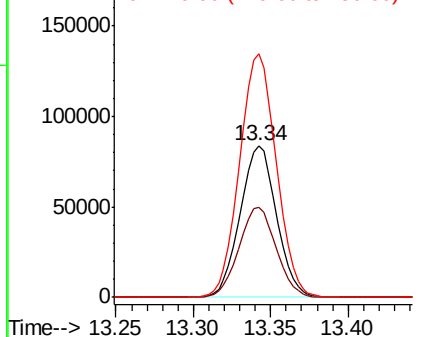
MDL-WATER-03-QT4-2018

Tot Ion:	152	Resp:	136921
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.3	91.0
150	162.2	0.0	348.2

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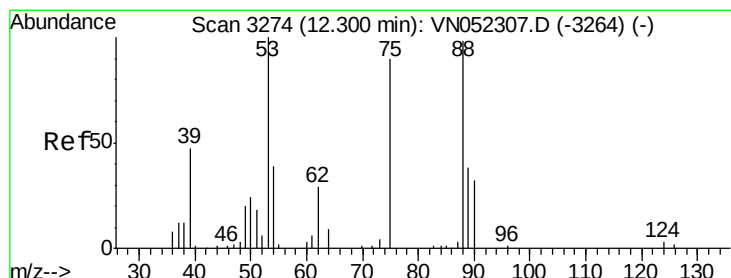
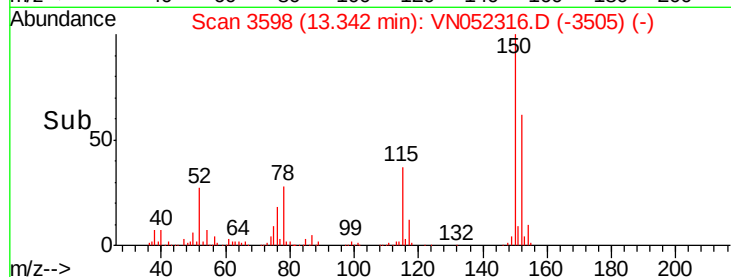


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



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#81

trans-1,4-Dichloro-2-butene

Concen: 0.401 ug/l m

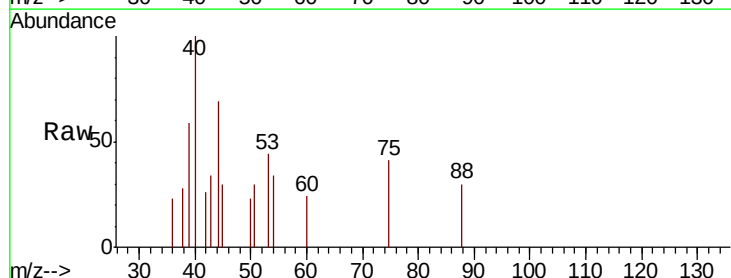
RT: 12.29 min Scan# 3272

Delta R.T. -0.01 min

Lab File: VN052316.D

Acq: 14 Nov 2018 16:42

Tgt Ion:	75	Resp:	287
Ion Ratio	Lower	Upper	
75	100		
53	0.0	90.2	135.2#
89	0.0	35.4	53.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO

