

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054608.D
 Acq On : 23 Mar 2019 16:54
 Operator : JC/SP
 Sample : K1912-09DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T1-UV(PRE)DL

Quant Time: Mar 25 03:32:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	622941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	991564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	799427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	280952	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	433487	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	
35) Dibromofluoromethane	7.59	113	344860	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
50) Toluene-d8	10.09	98	1294857	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.40	95	388489	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

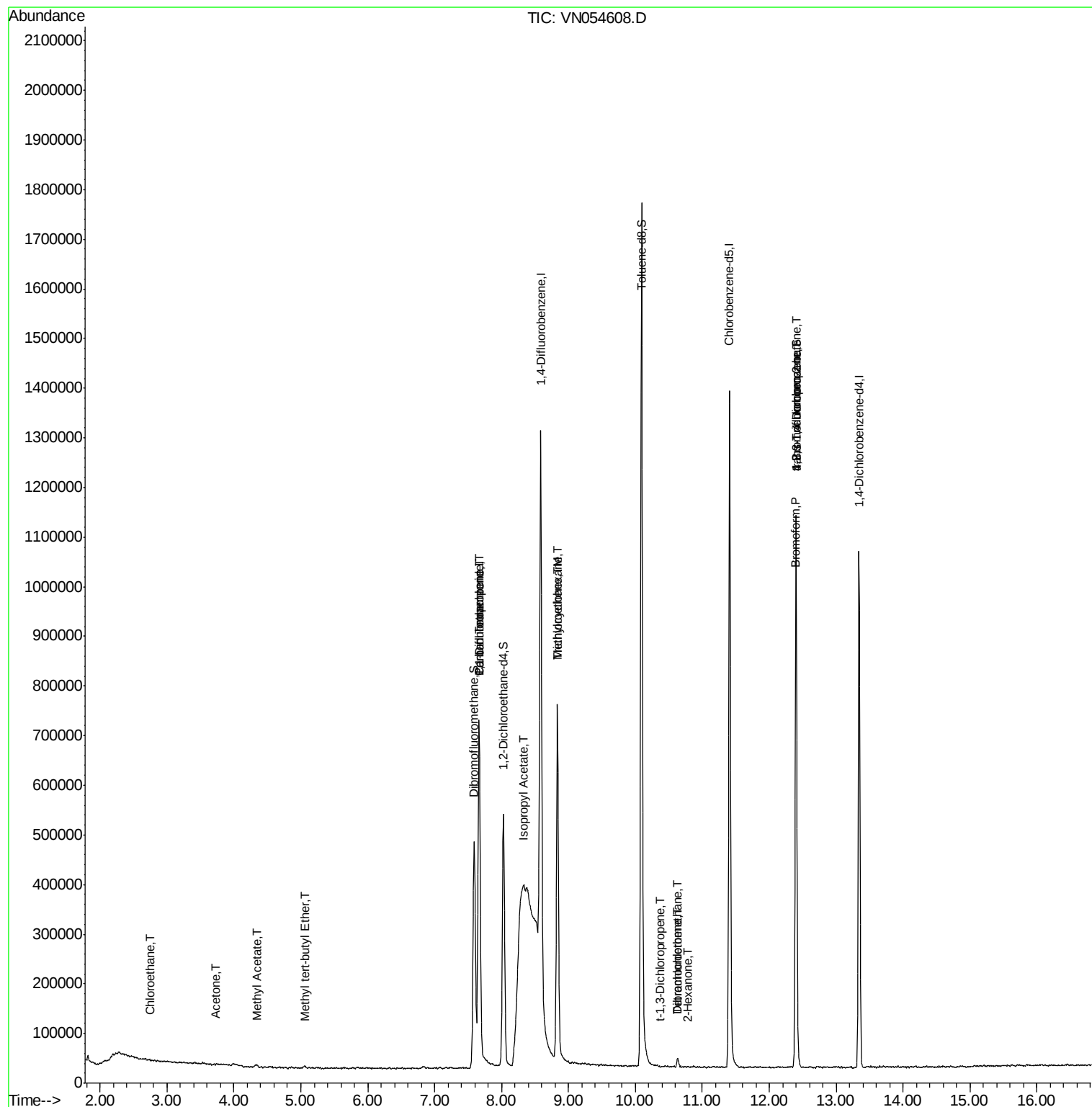
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	2.73	64	1709	0.350	ug/l #	43
16) Acetone	3.73	43	918	0.394	ug/l #	38
18) Methyl Acetate	4.33	43	9566	1.842	ug/l #	71
19) Methyl tert-butyl Ether	5.06	73	4217	0.240	ug/l	97
31) Cyclohexane	7.66	56	12938	Below Cal	#	12
36) 1,1-Dichloropropene	7.67	75	44149	4.762	ug/l #	47
38) Carbon Tetrachloride	7.66	117	57625	6.396	ug/l #	16
39) Methylcyclohexane	8.83	83	3226	0.304	ug/l #	1
43) Isopropyl Acetate	8.32	43	728545	65.421	ug/l #	60
44) Trichloroethene	8.83	130	269935	36.623	ug/l	95
53) t-1,3-Dichloropropene	10.36	75	31	2.235	ug/l #	72
59) 2-Hexanone	10.78	43	818	0.203	ug/l #	23
60) Dibromochloromethane	10.63	129	3642	0.584	ug/l #	11
64) Tetrachloroethene	10.63	164	4192	0.632	ug/l	87
71) Bromoform	12.38	173	345	2.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	203326	45.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	203326	150.420	ug/l #	11

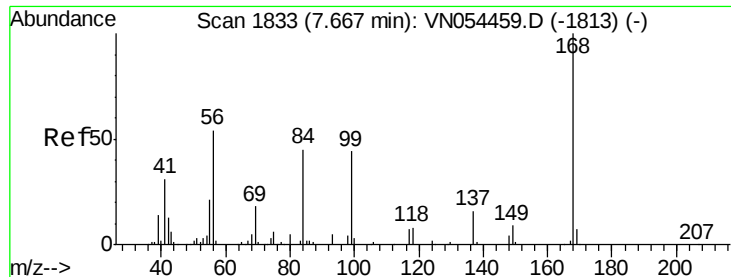
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

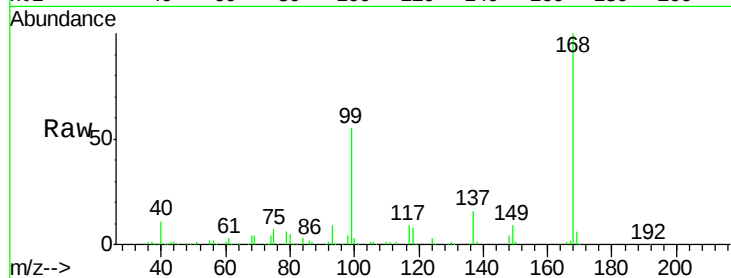
M3-T1-UV(PRE)DL

Tot Ion:168 Resp: 622941

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

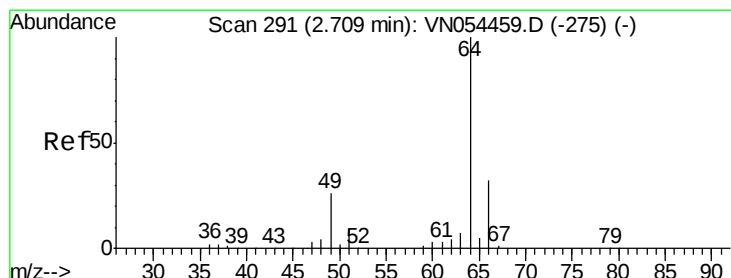
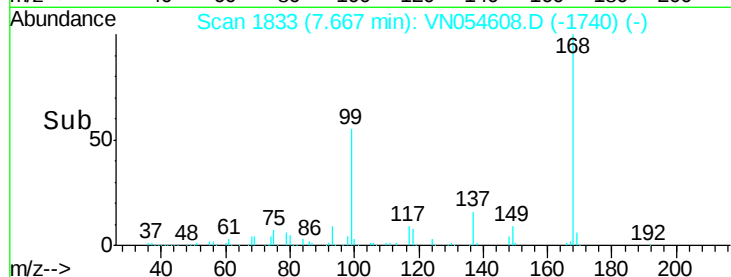
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.350 ug/l

RT: 2.73 min Scan# 299

Delta R.T. 0.03 min

Lab File: VN054608.D

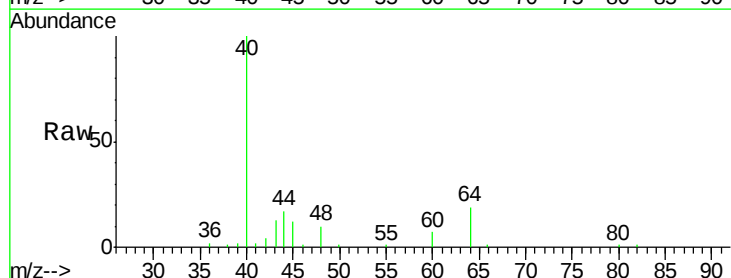
Acq: 23 Mar 2019 16:54

Tgt Ion: 64 Resp: 1709

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.73

5000

4000

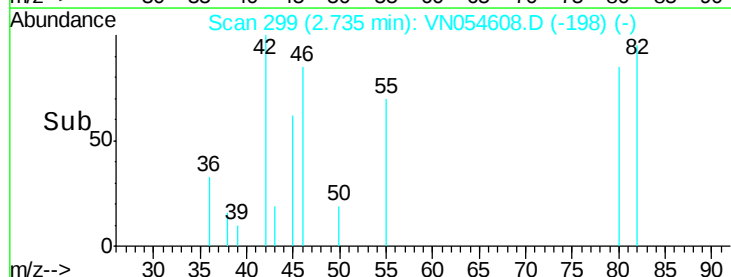
3000

2000

1000

0

Time-->





#16

Acetone

Concen: 0.394 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.09 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

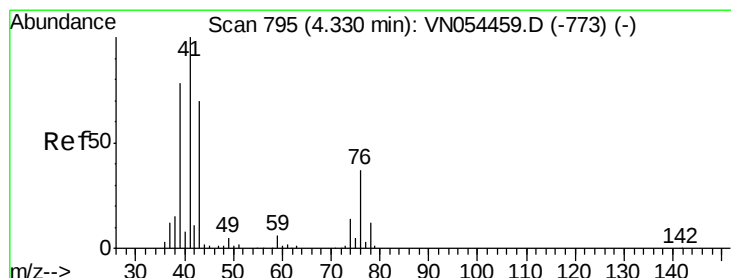
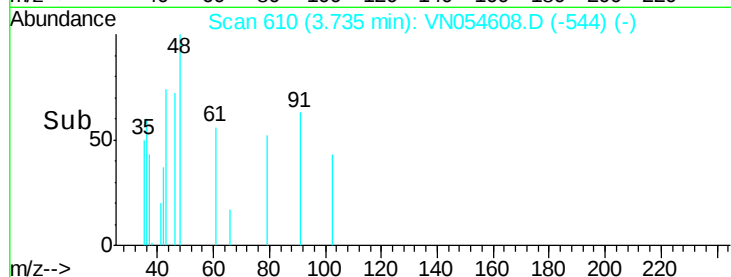
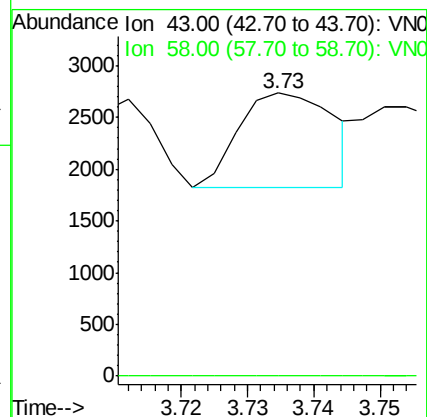
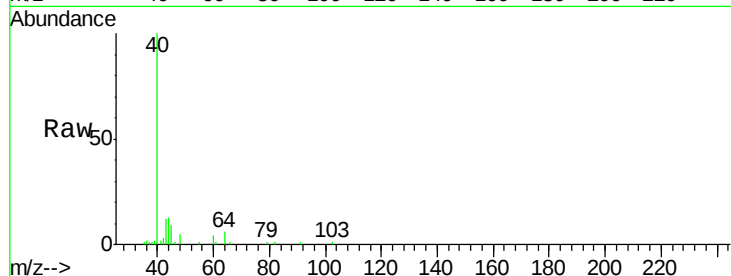
M3-T1-UV(PRE)DL

Tot Ion: 43 Resp: 918

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



#18

Methyl Acetate

Concen: 1.842 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054608.D

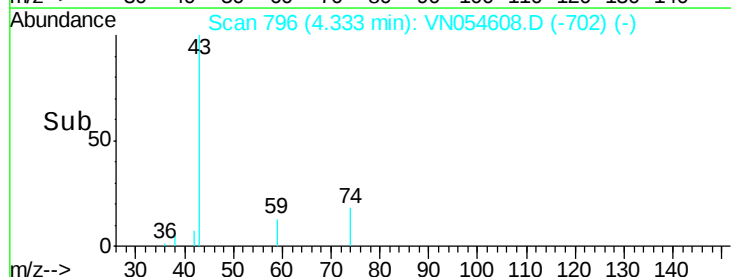
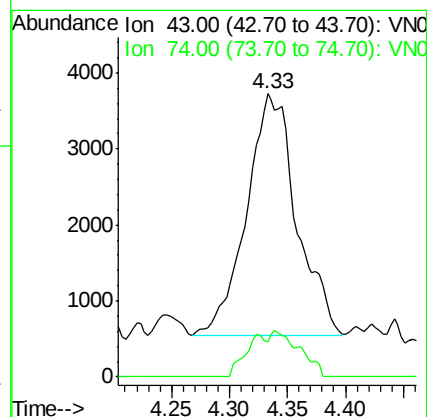
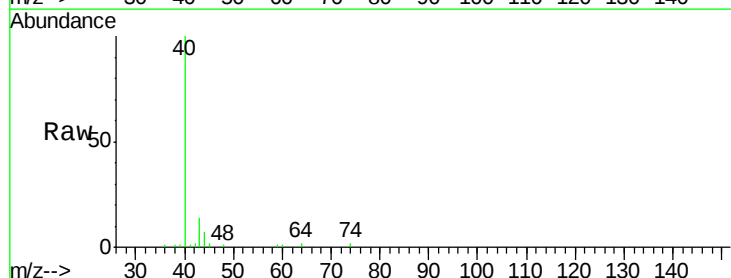
Acq: 23 Mar 2019 16:54

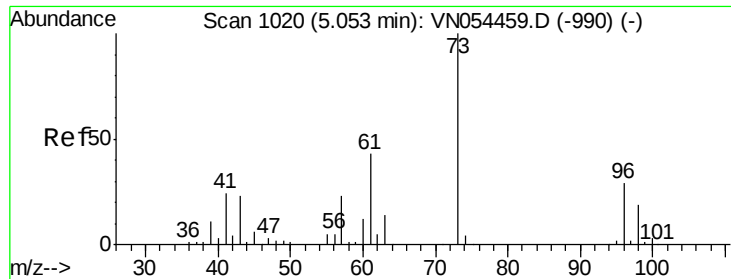
Tgt Ion: 43 Resp: 9566

Ion Ratio Lower Upper

43 100

74 11.2 20.8 31.2#

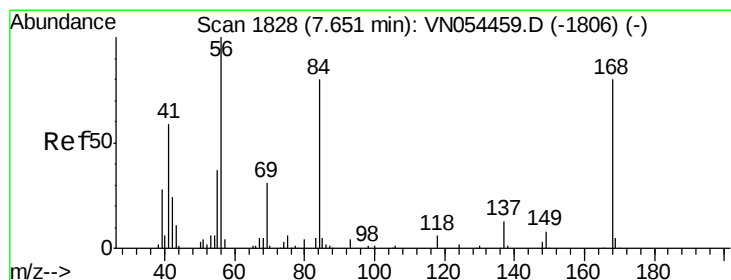
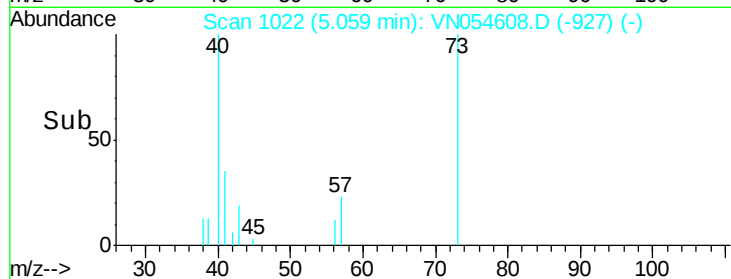
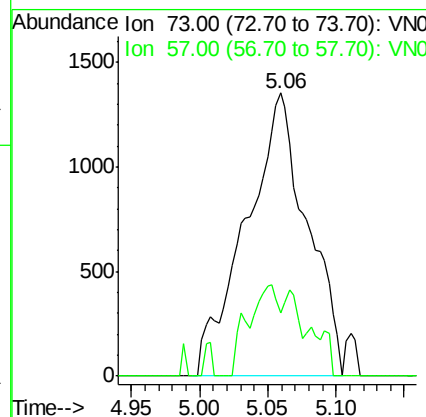
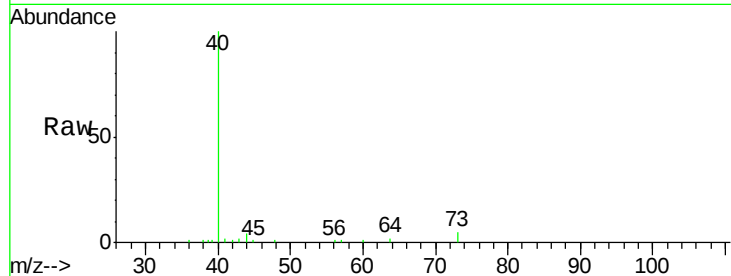




#19
Methvl tert-butvl Ether
Concen: 0.240 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VN054608.D
Acq: 23 Mar 2019 16:54

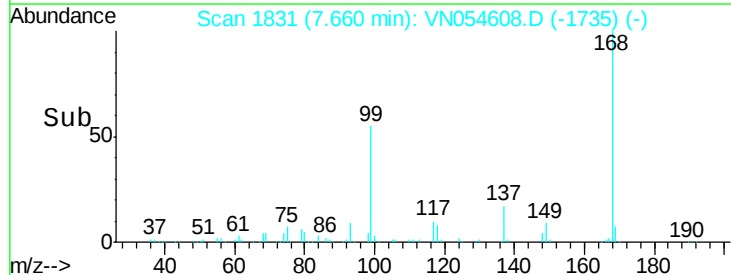
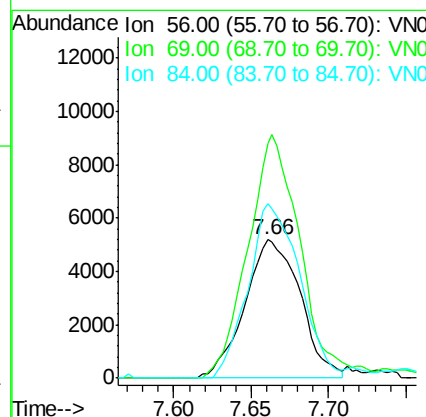
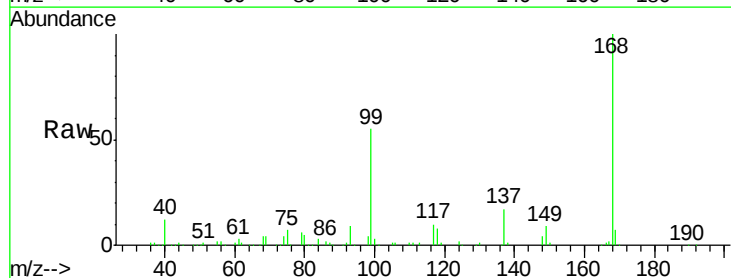
Instrument :
MSVOA_N
ClientSampleId :
M3-T1-UV(PRE)DL

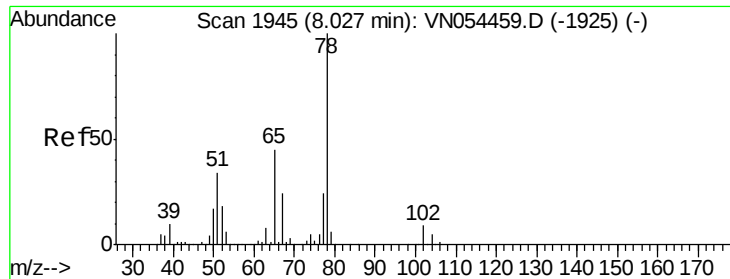
Tot Ion: 73 Resp: 4217
Ion Ratio Lower Upper
73 100
57 22.5 16.8 25.2



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054608.D
Acq: 23 Mar 2019 16:54

Tgt Ion: 56 Resp: 12938
Ion Ratio Lower Upper
56 100
69 169.7 27.8 41.6#
84 126.0 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 55.945 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

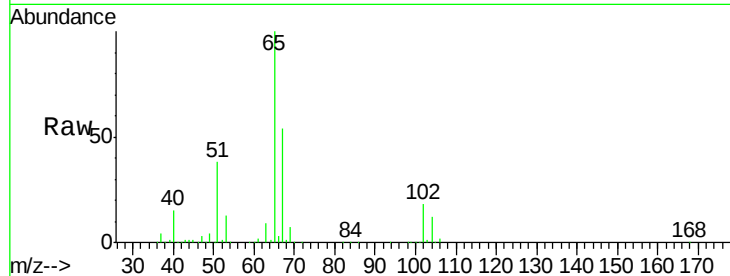
M3-T1-UV(PRE)DL

Tot Ion: 65 Resp: 433487

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

200000

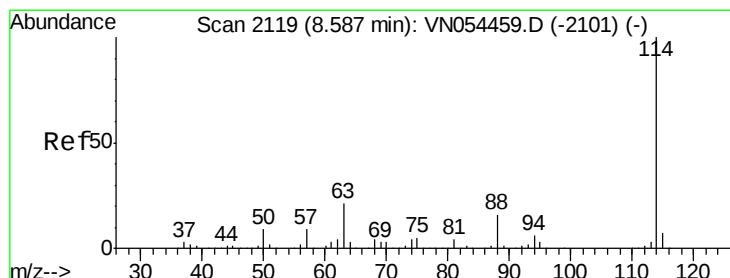
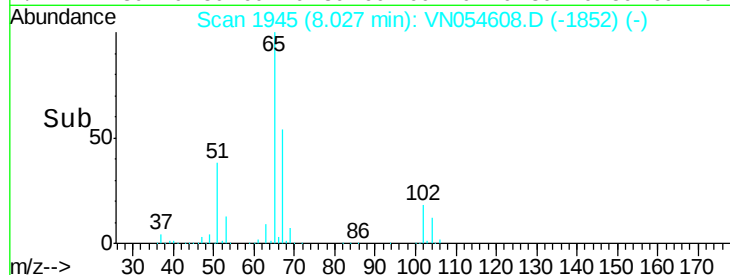
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

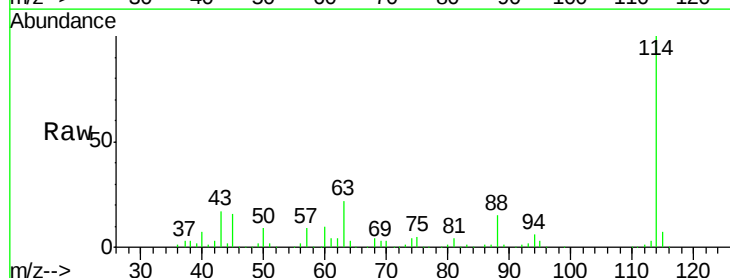
Tgt Ion: 114 Resp: 991564

Ion Ratio Lower Upper

114 100

63 21.8 0.0 35.2

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

600000

500000

400000

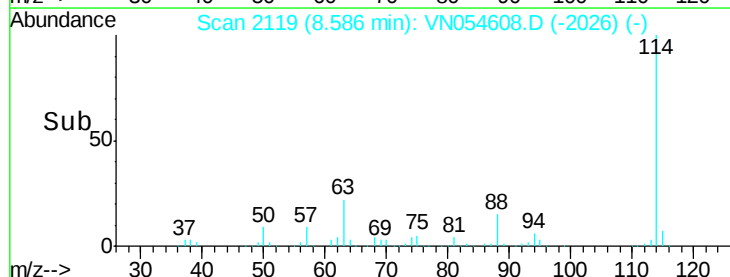
300000

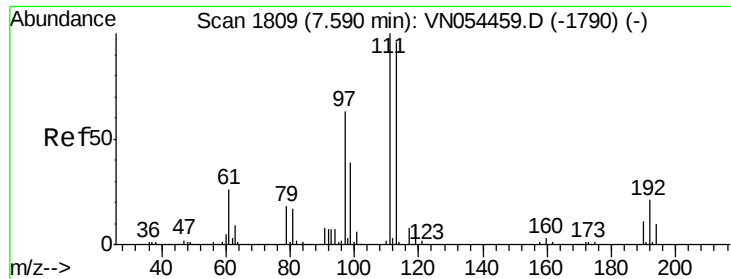
200000

100000

0

Time-->

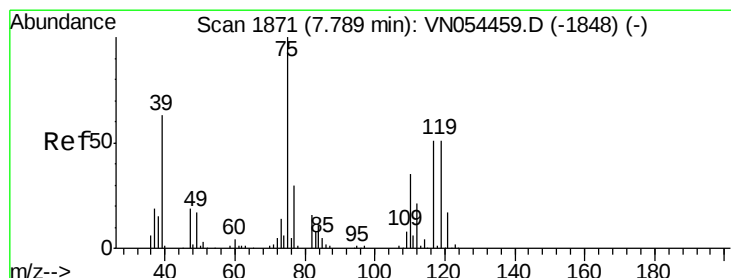
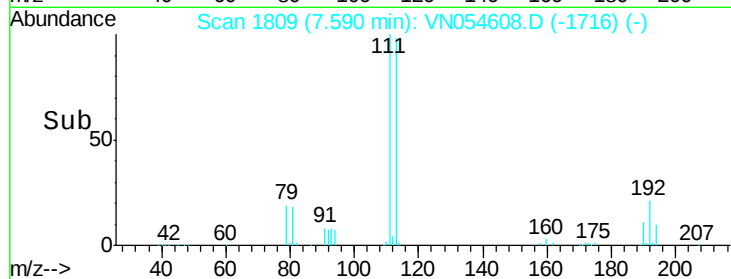
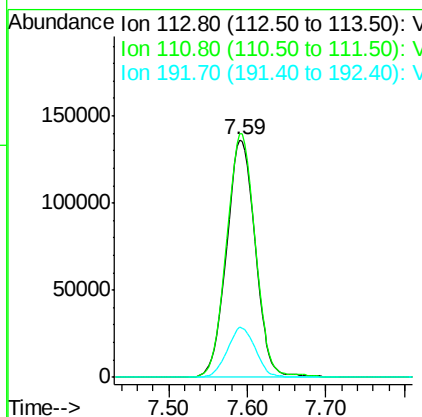
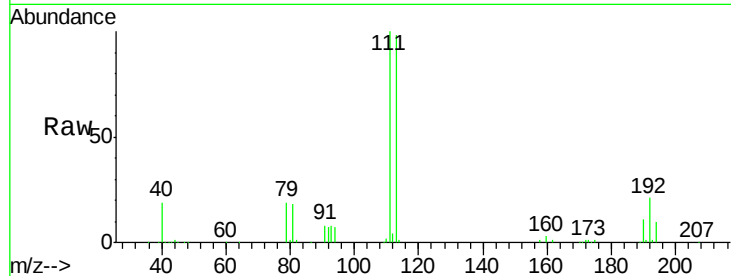




#35
 Dibromofluoromethane
 Concen: 53.984 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054608.D
 Acq: 23 Mar 2019 16:54

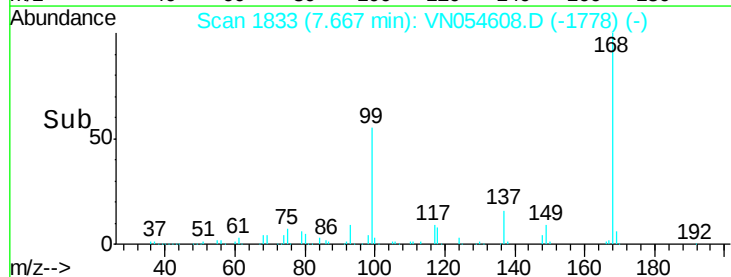
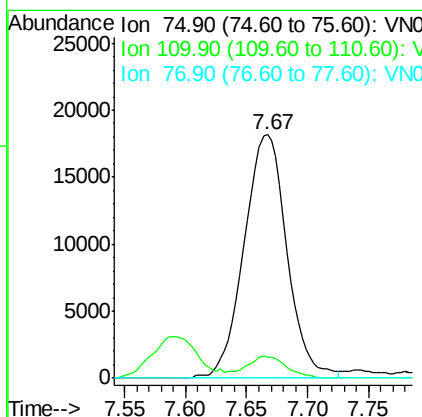
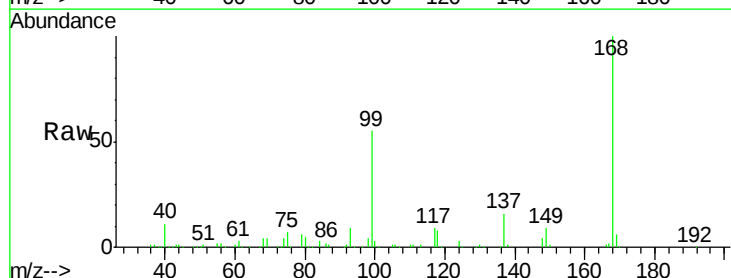
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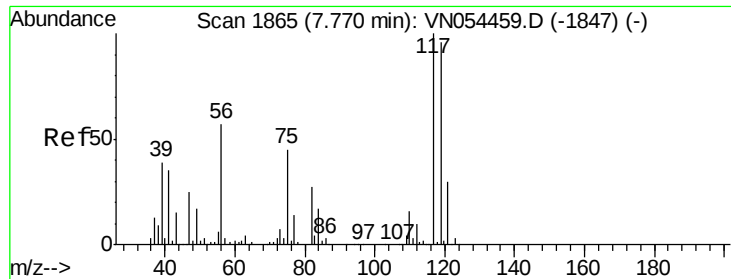
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	20.6	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054608.D
 Acq: 23 Mar 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.1	57.5#
77	0.0	25.0	37.4#

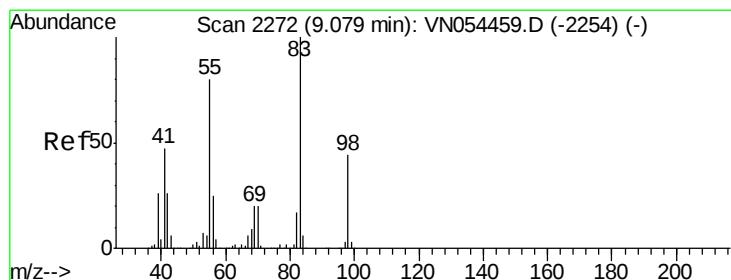
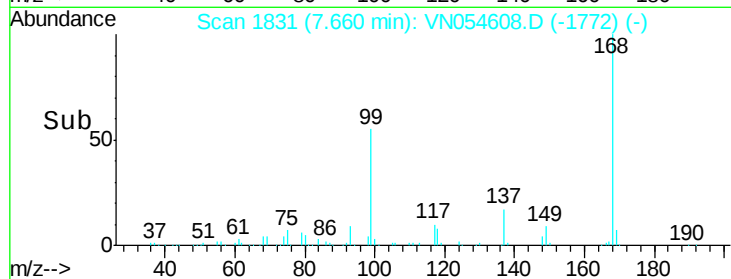
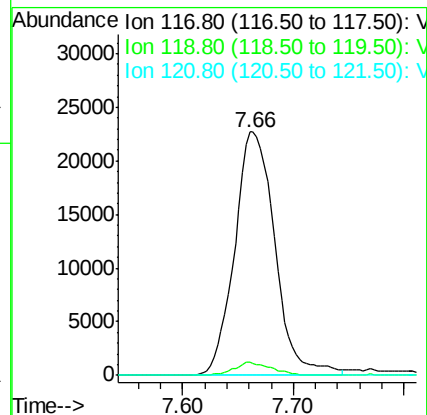
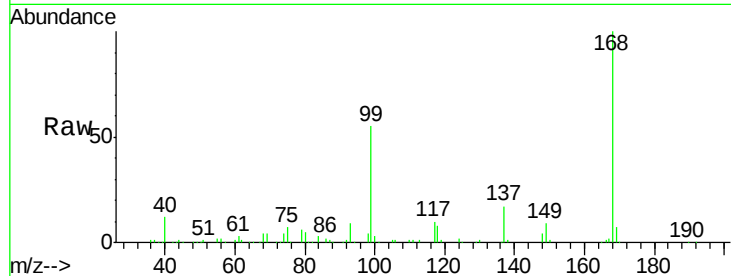




#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN054608.D
Acq: 23 Mar 2019 16:54

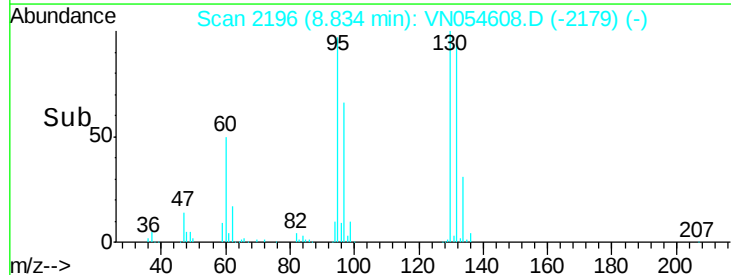
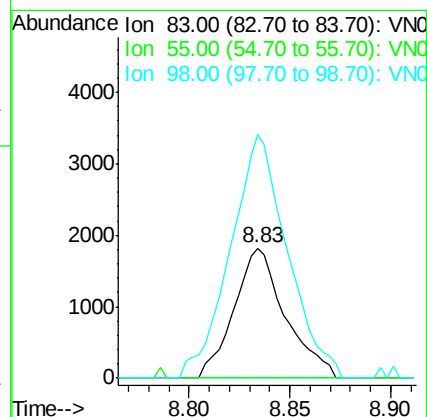
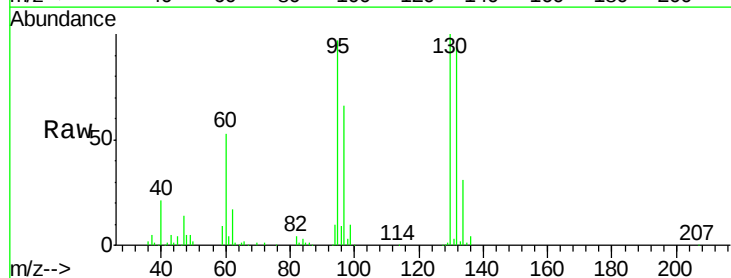
Instrument :
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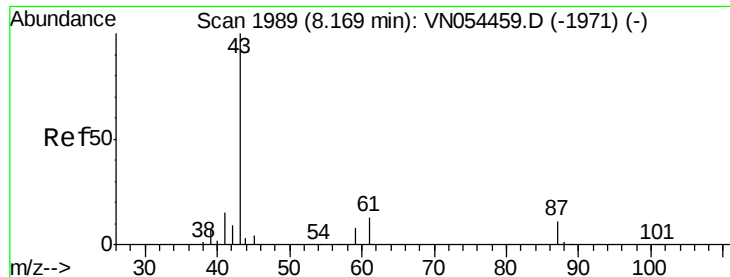
Tot Ion:117 Resp: 57625
Ion Ratio Lower Upper
117 100
119 5.4 76.3 114.5#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 0.304 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.24 min
Lab File: VN054608.D
Acq: 23 Mar 2019 16:54

Tgt Ion: 83 Resp: 3226
Ion Ratio Lower Upper
83 100
55 0.0 56.6 84.8#
98 187.0 38.4 57.6#





#43

Isopropyl Acetate

Concen: 65.421 ug/l

RT: 8.32 min Scan# 2037

Delta R.T. 0.15 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

M3-T1-UV(PRE)DL

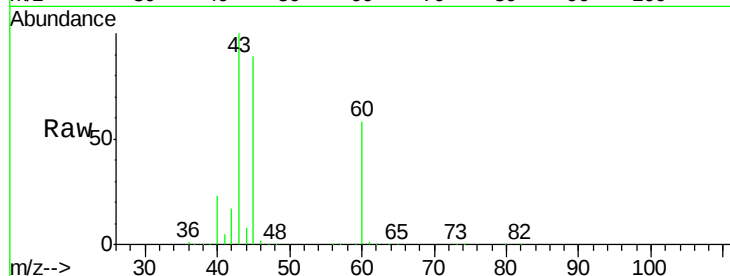
Tot Ion: 43 Resp: 728545

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

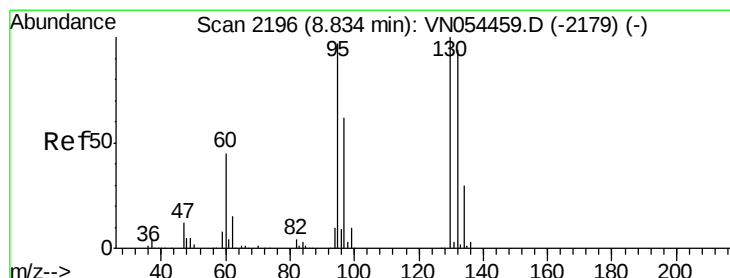
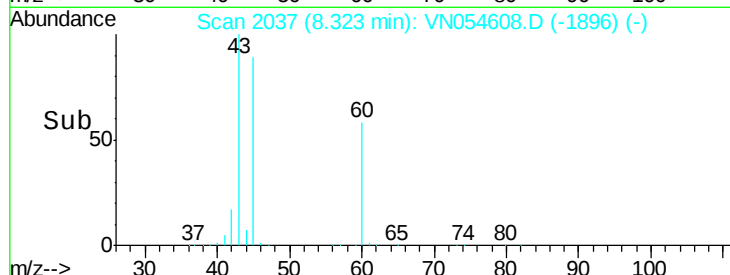
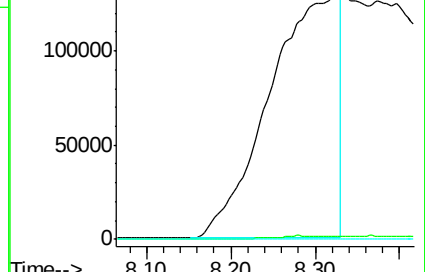
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 36.623 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054608.D

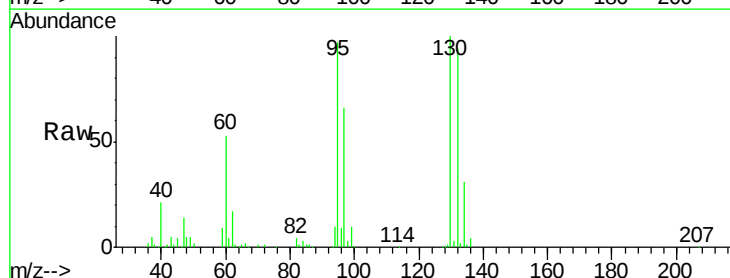
Acq: 23 Mar 2019 16:54

Tgt Ion:130 Resp: 269935

Ion Ratio Lower Upper

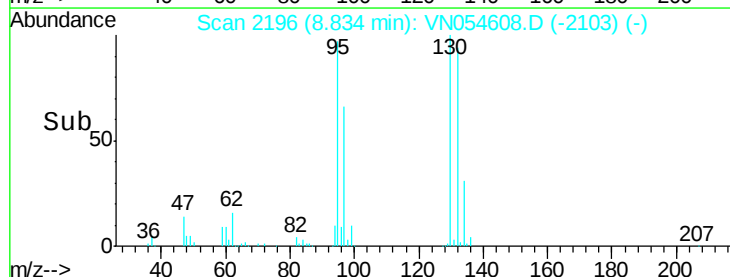
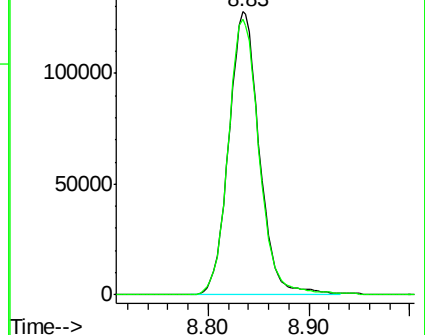
130 100

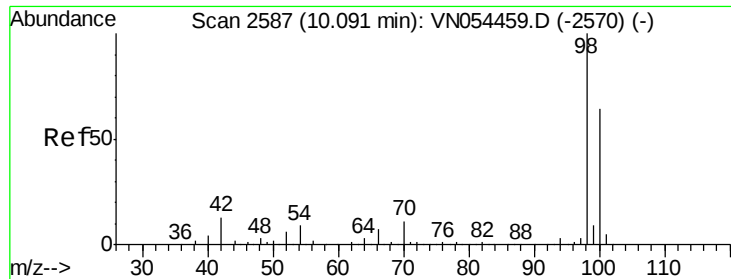
95 97.4 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#50

Toluene-d8

Concen: 53.918 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

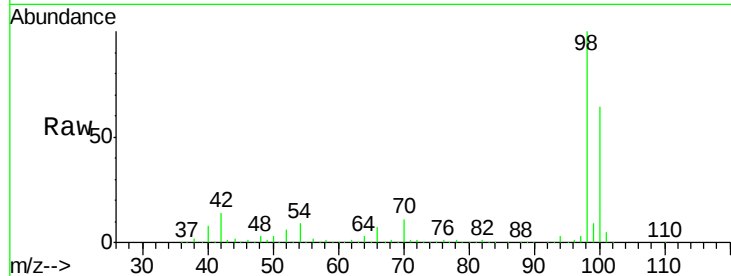
M3-T1-UV(PRE)DL

Tot Ion: 98 Resp: 1294857

Ion Ratio Lower Upper

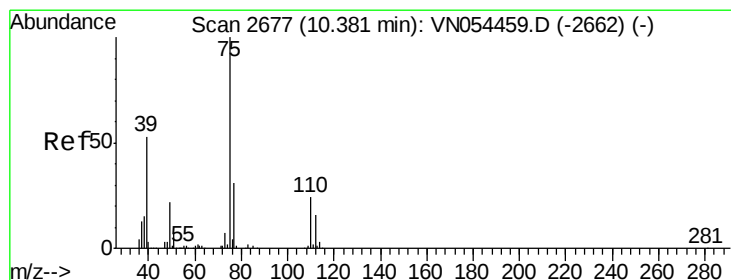
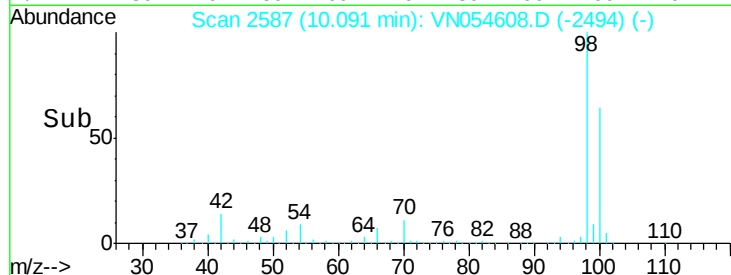
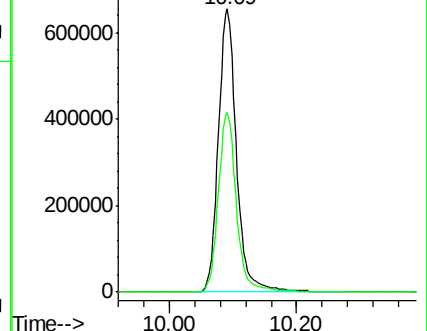
98 100

100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)



#53

t-1,3-Dichloropropene

Concen: 2.235 ug/l

RT: 10.36 min Scan# 2671

Delta R.T. -0.02 min

Lab File: VN054608.D

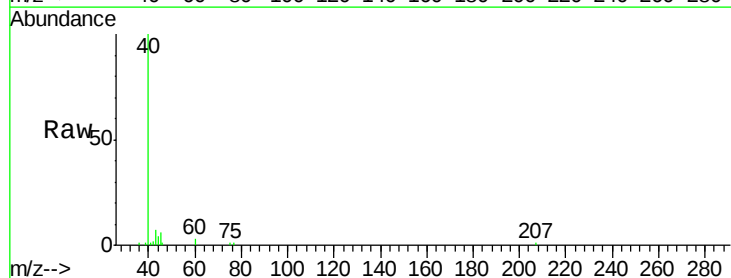
Acq: 23 Mar 2019 16:54

Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

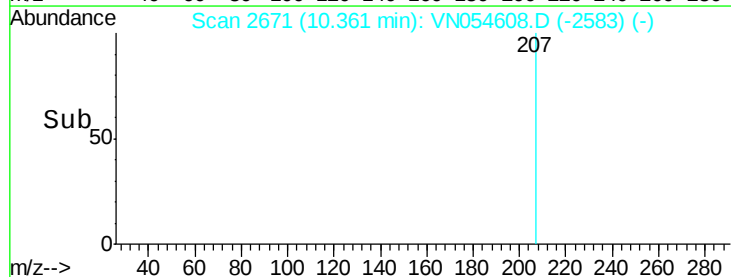
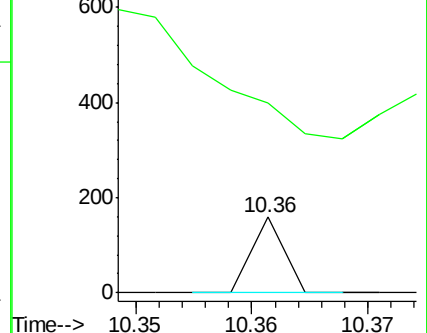
75 100

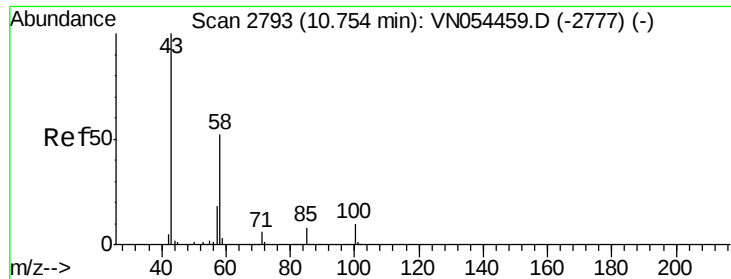
77 47.8 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-2662) (-)

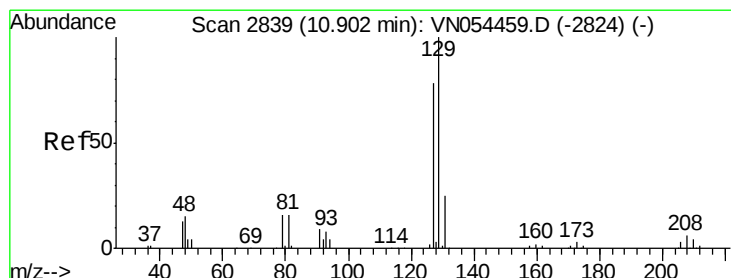
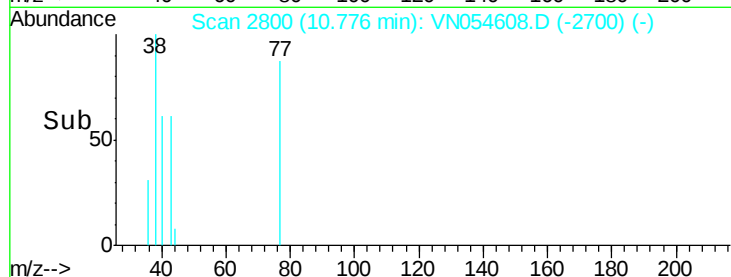
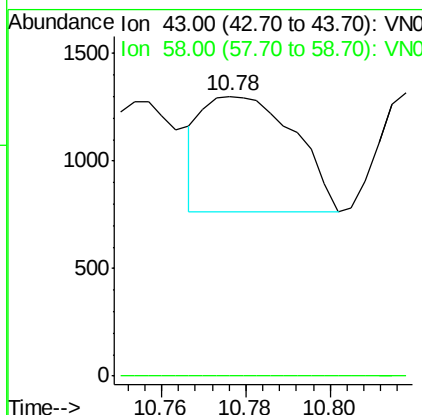
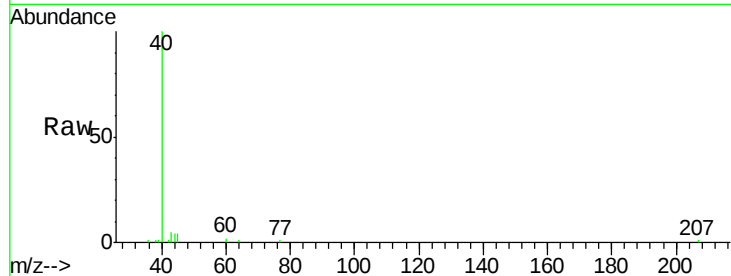




#59
2-Hexanone
Concen: 0.203 ug/l
RT: 10.78 min Scan# 2800
Delta R.T. 0.02 min
Lab File: VN054608.D
Acq: 23 Mar 2019 16:54

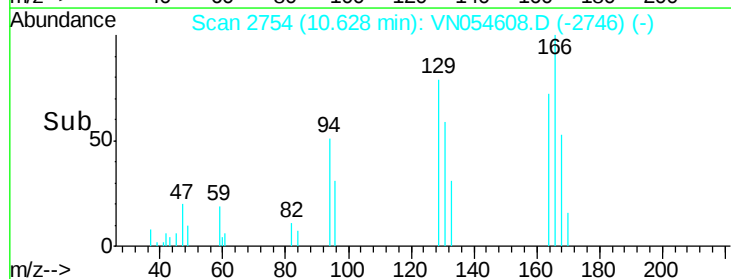
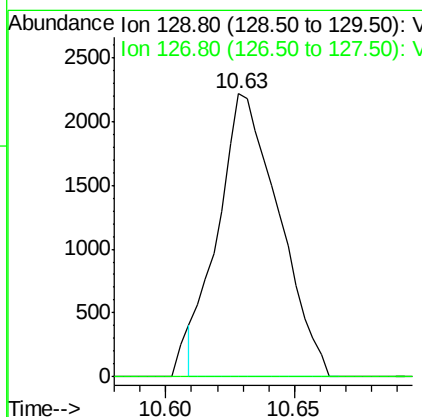
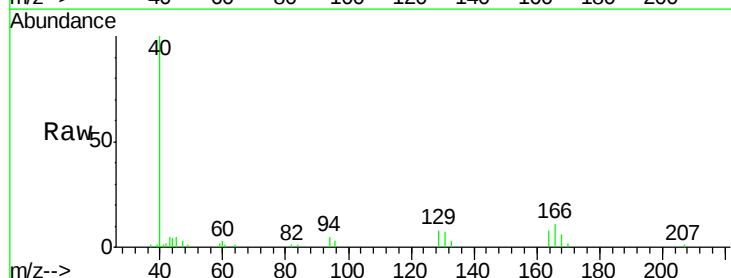
Instrument :
MSVOA_N
ClientSampleId :
M3-T1-UV(PRE)DL

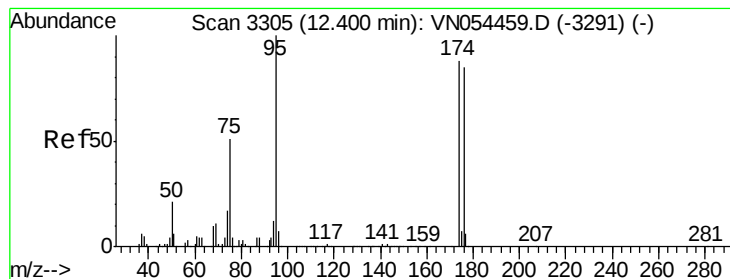
Tot Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
58 0.0 28.0 83.9#



#60
Dibromochloromethane
Concen: 0.584 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN054608.D
Acq: 23 Mar 2019 16:54

Tgt Ion: 129 Resp: 3642
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 47.539 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

M3-T1-UV(PRE)DL

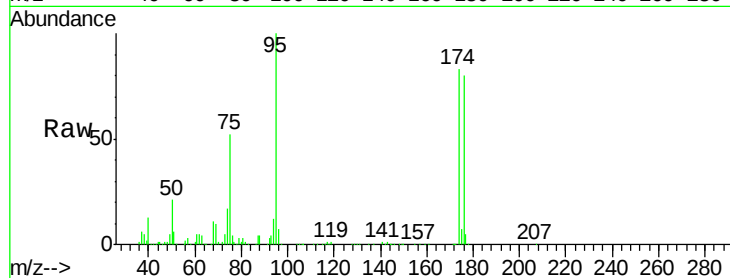
Tot Ion: 95 Resp: 388489

Ion Ratio Lower Upper

95 100

174 85.2 0.0 191.0

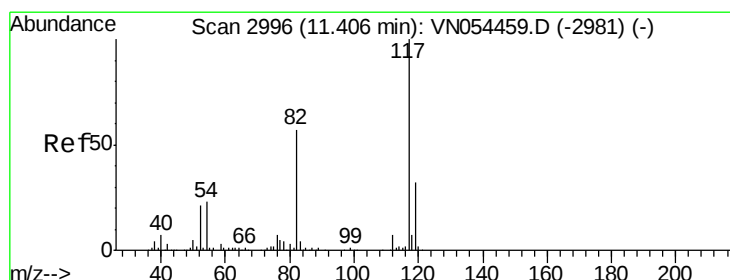
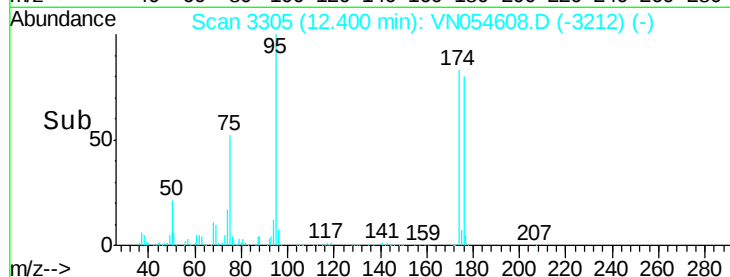
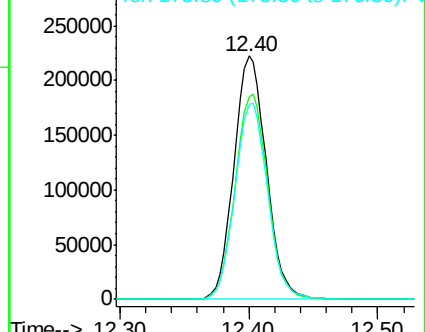
176 81.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054608.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054608.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054608.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

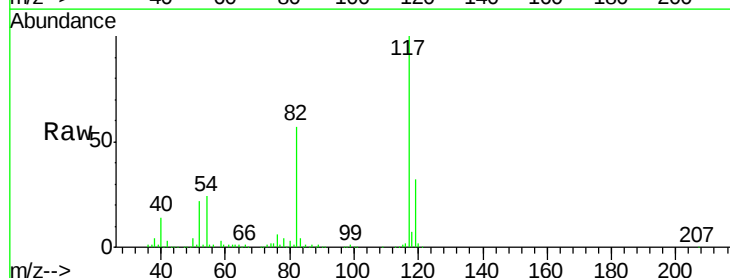
Tgt Ion: 117 Resp: 799427

Ion Ratio Lower Upper

117 100

82 57.3 40.0 60.0

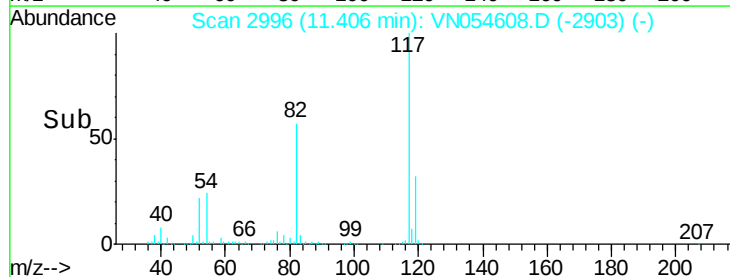
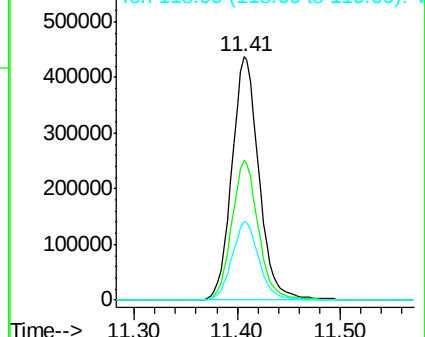
119 32.0 25.8 38.6

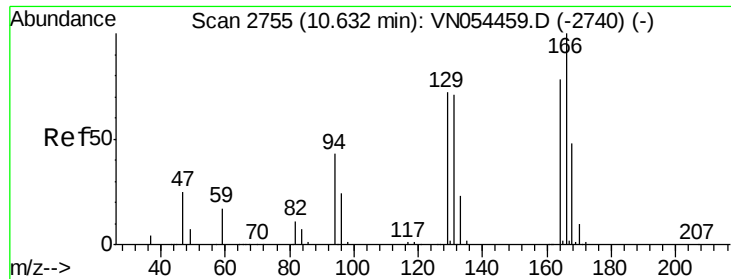


Abundance Ion 116.90 (116.60 to 117.60): VN054608.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054608.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054608.D (-2903) (-)





#64

Tetrachloroethene

Concen: 0.632 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

M3-T1-UV(PRE)DL

Tot Ion:164 Resp: 4192

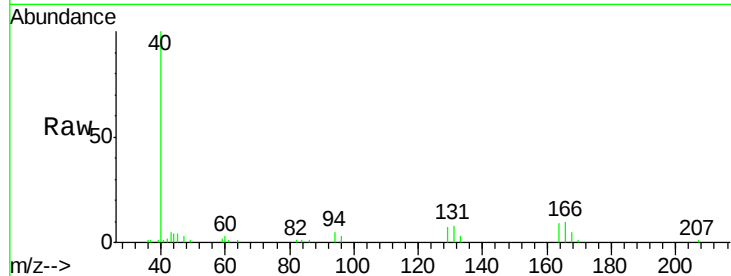
Ion Ratio Lower Upper

164 100

166 108.2 103.9 155.9

129 75.8 71.1 106.7

131 81.3 68.2 102.4



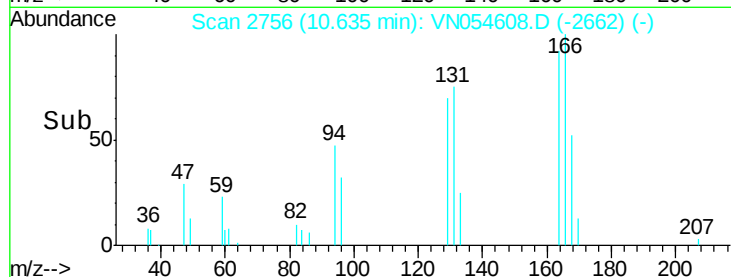
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

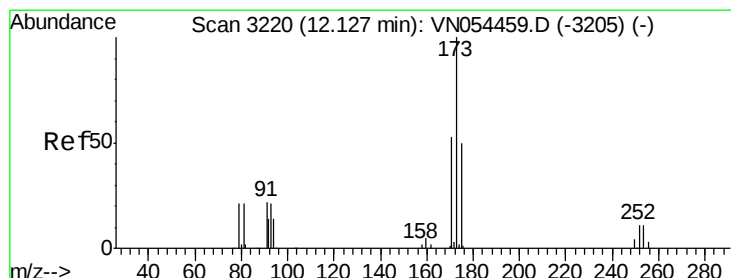
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#71

Bromoform

Concen: 2.302 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.26 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

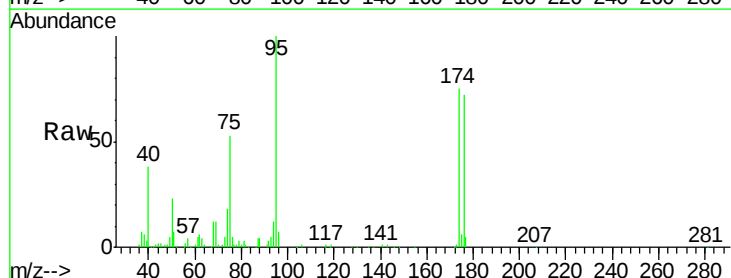
Tgt Ion:173 Resp: 345

Ion Ratio Lower Upper

173 100

175 6295.1 24.4 73.2#

254 0.0 0.1 0.1#

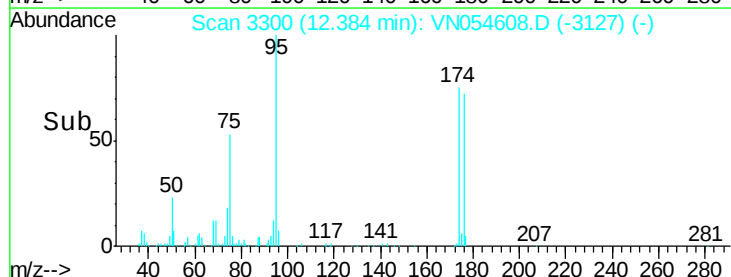


Abundance Ion 172.70 (172.40 to 173.40): V

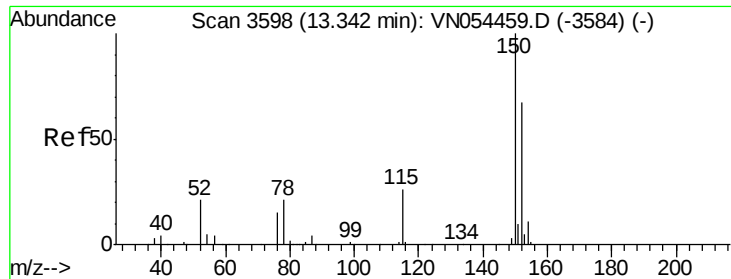
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

M3-T1-UV(PRE)DL

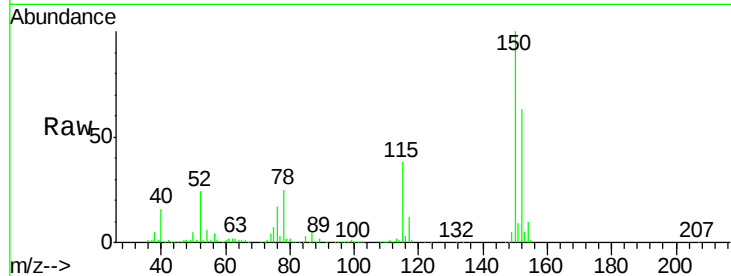
Tot Ion:152 Resp: 280952

Ion Ratio Lower Upper

152 100

115 59.2 27.2 81.6

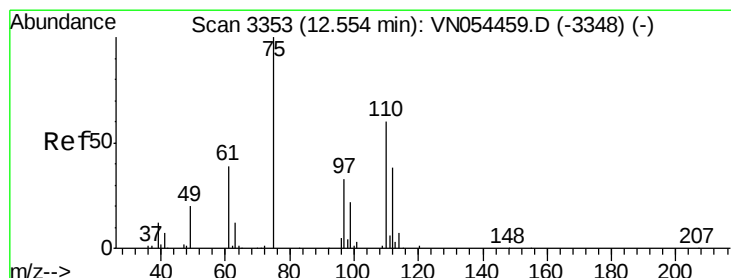
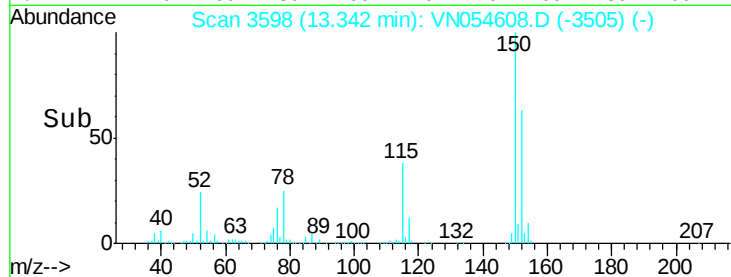
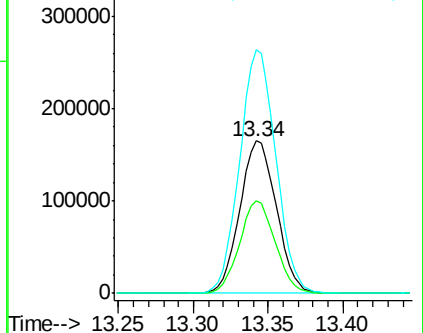
150 158.0 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 45.606 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054608.D

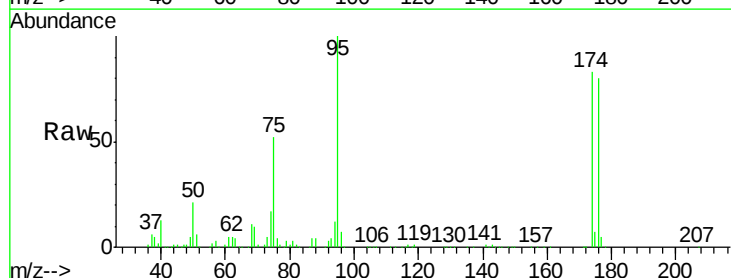
Acq: 23 Mar 2019 16:54

Tgt Ion: 75 Resp: 203326

Ion Ratio Lower Upper

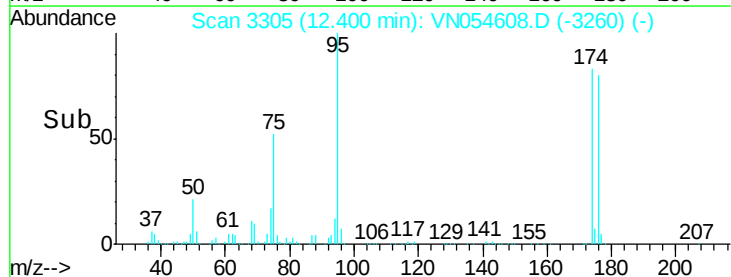
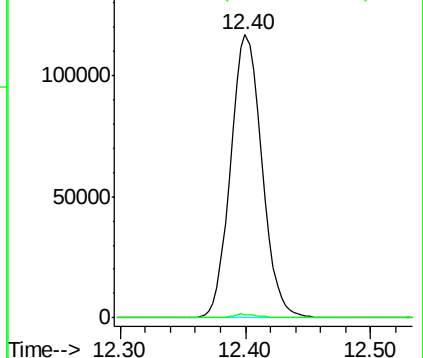
75 100

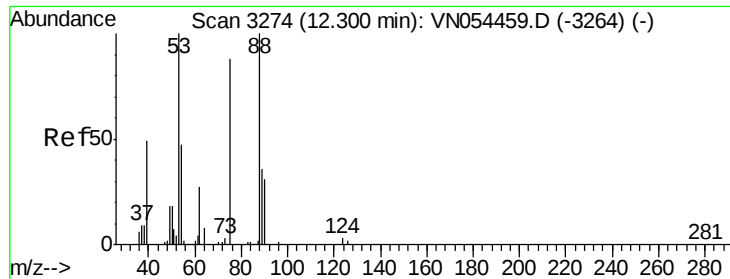
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 150.420 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054608.D

Acq: 23 Mar 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

M3-T1-UV(PRE)DL

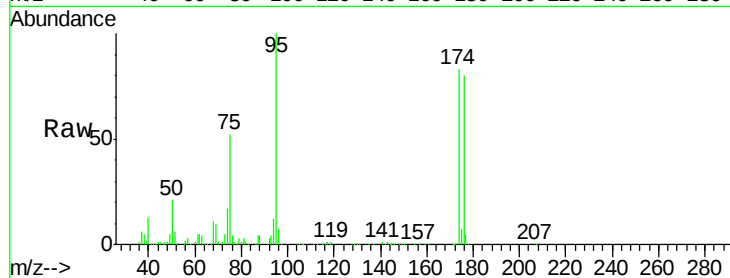
Tot Ion: 75 Resp: 203326

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

