

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054603.D
 Acq On : 23 Mar 2019 14:37
 Operator : JC/SP
 Sample : K1912-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M3-T3-UV(PRE)

Quant Time: Mar 25 03:30:45 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	639302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	978426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	783798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	263501	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	436428	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
35) Dibromofluoromethane	7.59	113	337768	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
50) Toluene-d8	10.09	98	1263345	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.40	95	370348	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	

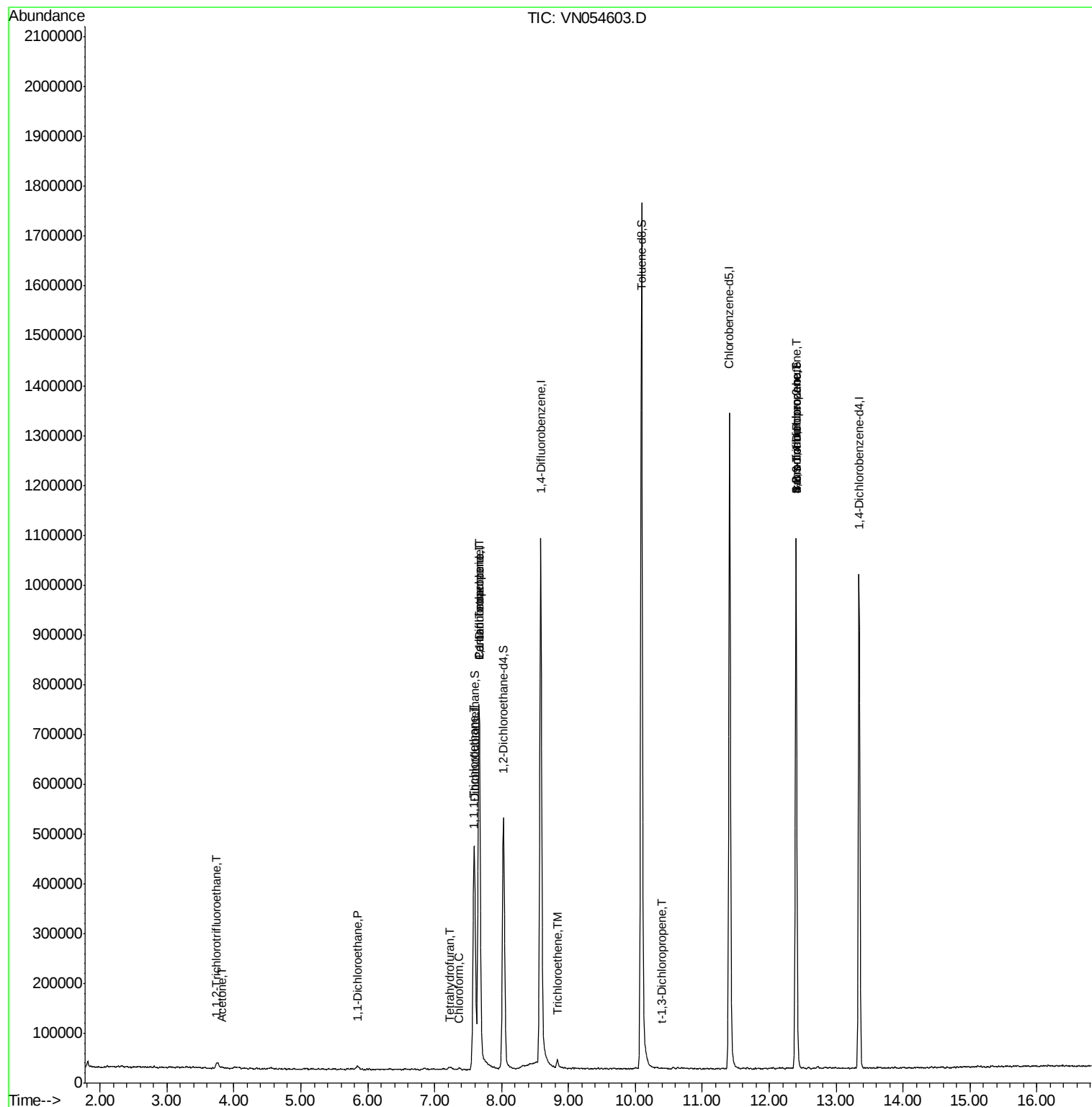
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.75	101	4223	0.709	ug/l #	29
16) Acetone	3.82	43	4280	1.790	ug/l #	81
24) 1,1-Dichloroethane	5.85	63	9187	0.745	ug/l #	92
29) Tetrahydrofuran	7.22	42	1706	0.858	ug/l #	67
30) Chloroform	7.37	83	2872	0.239	ug/l #	81
31) Cyclohexane	7.66	56	13598	Below Cal	#	22
32) 1,1,1-Trichloroethane	7.57	97	3721	0.375	ug/l #	45
36) 1,1-Dichloropropene	7.67	75	47269	5.167	ug/l #	49
38) Carbon Tetrachloride	7.66	117	57657	6.485	ug/l #	16
44) Trichloroethene	8.84	130	5821	0.800	ug/l	89
53) t-1,3-Dichloropropene	10.40	75	30	2.235	ug/l #	42
71) Bromoform	12.40	173	1009	2.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	189215	45.252	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189215	149.276	ug/l #	11

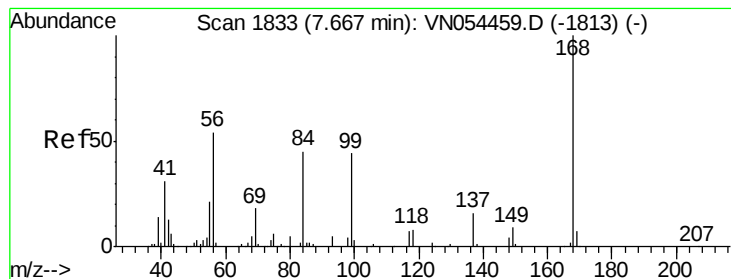
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

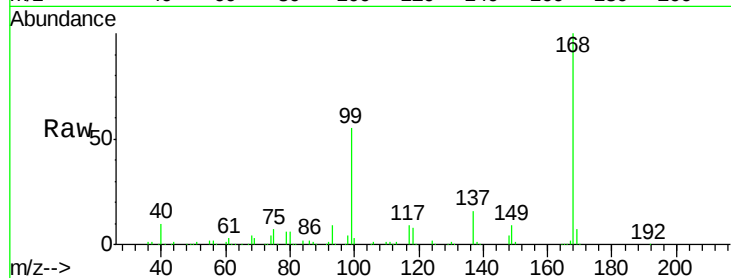
M3-T3-UV(PRE)

Tot Ion:168 Resp: 639302

Ion Ratio Lower Upper

168 100

99 54.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

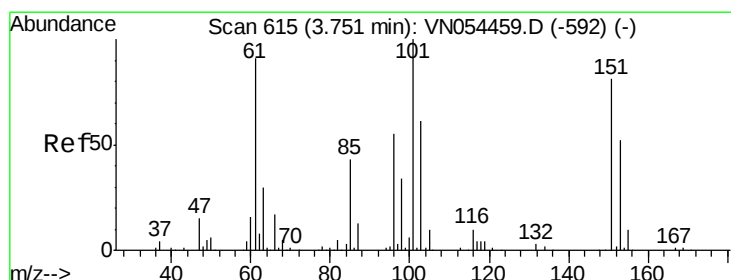
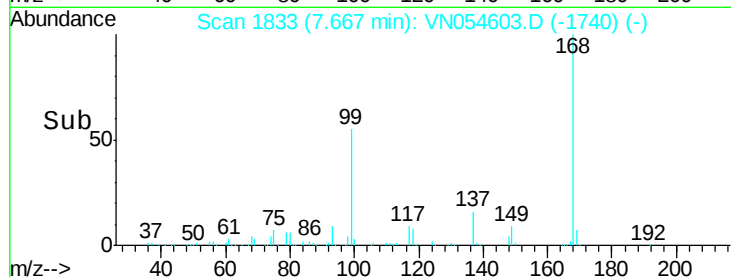
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.709 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

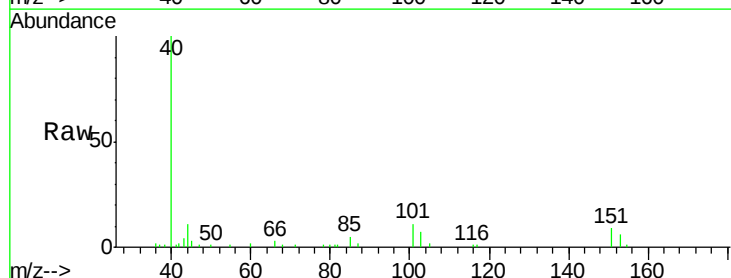
Tgt Ion:101 Resp: 4223

Ion Ratio Lower Upper

101 100

85 81.1 32.4 48.6#

151 151.9 68.2 102.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

3.75

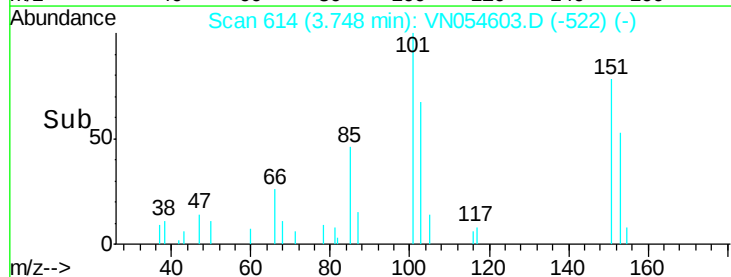
3000

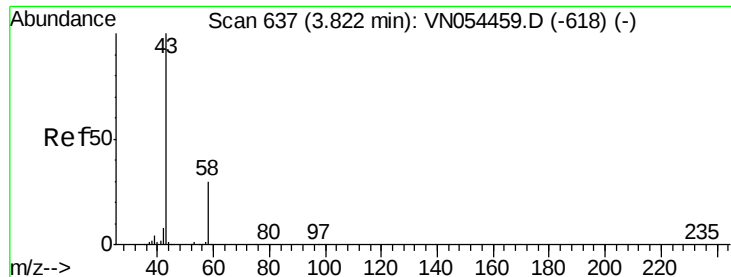
2000

1000

0

Time--> 3.68 3.70 3.72 3.74 3.76

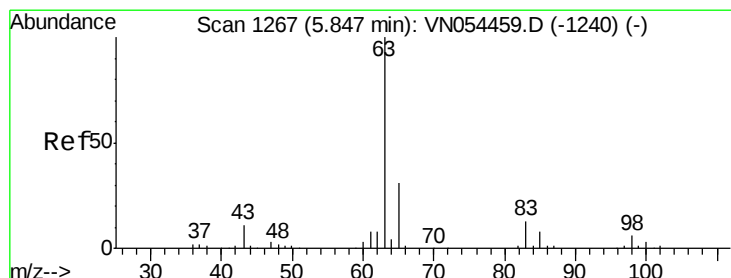
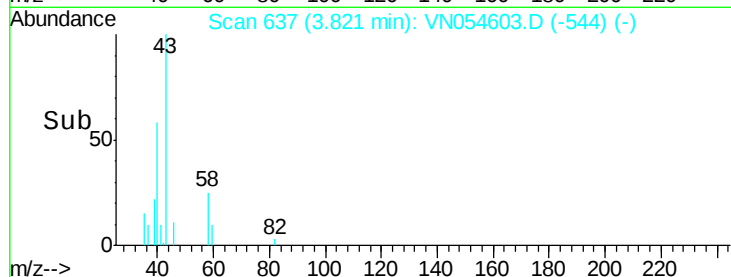
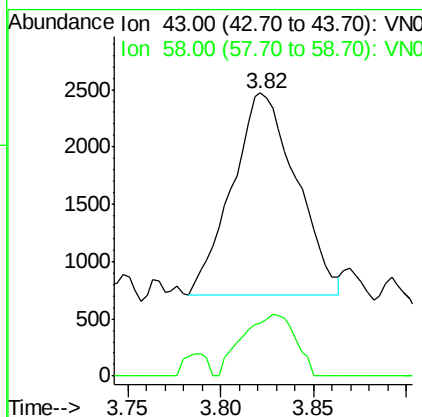
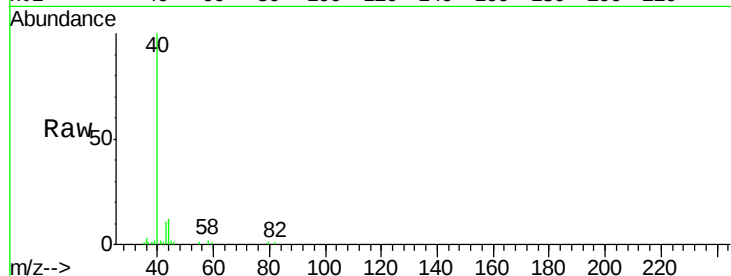




#16
Acetone
Concen: 1.790 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN054603.D
Acq: 23 Mar 2019 14:37

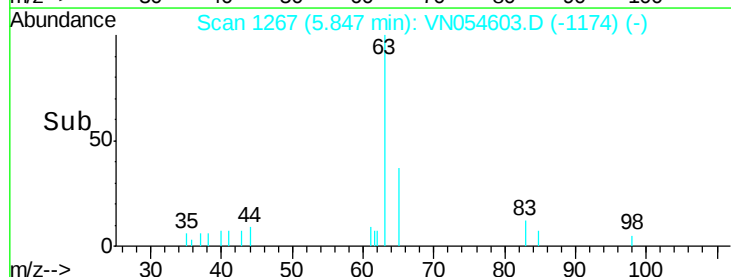
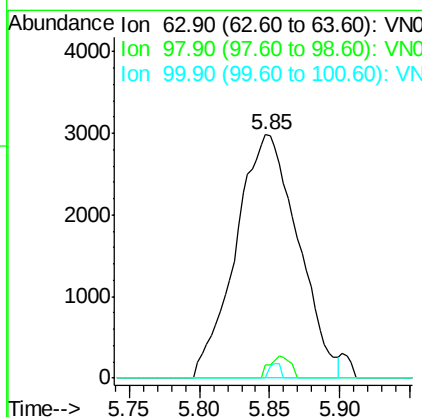
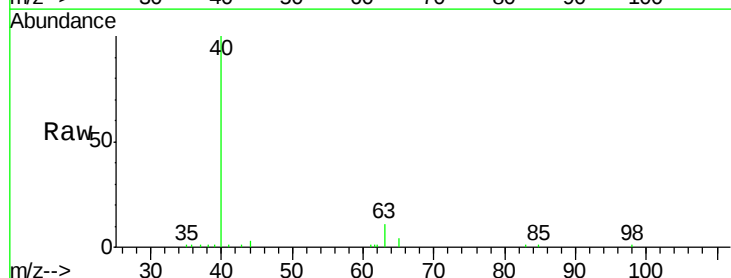
Instrument :
MSVOA_N
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M3-T3-UV(PRE)

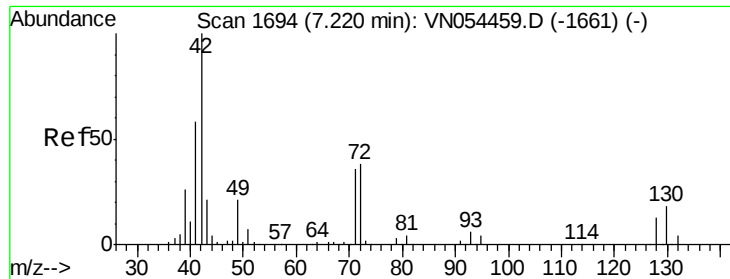
Tot Ion: 43 Resp: 4280
Ion Ratio Lower Upper
43 100
58 26.2 29.9 44.9#



#24
1,1-Dichloroethane
Concen: 0.745 ug/l
RT: 5.85 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VN054603.D
Acq: 23 Mar 2019 14:37

Tgt Ion: 63 Resp: 9187
Ion Ratio Lower Upper
63 100
98 5.2 3.5 10.5
100 0.0 2.0 6.0#





#29

Tetrahydrofuran

Concen: 0.858 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-UV(PRE)

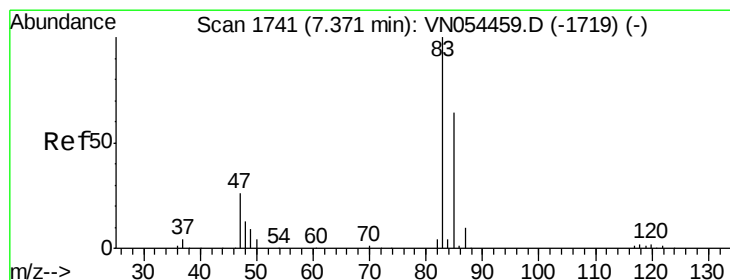
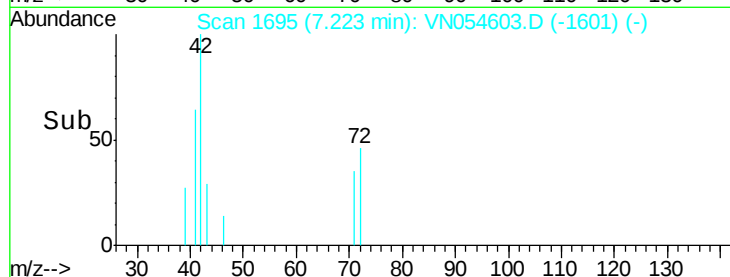
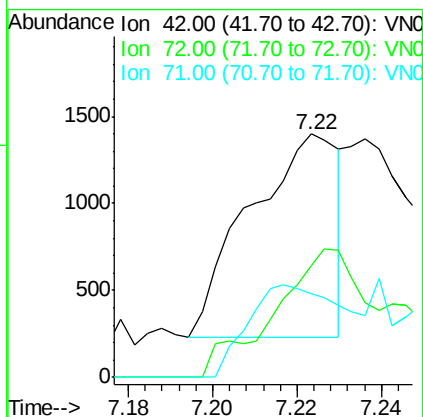
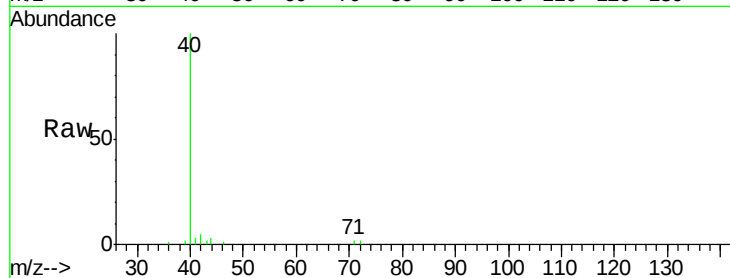
Tot Ion: 42 Resp: 1706

Ion Ratio Lower Upper

42 100

72 84.6 37.8 56.6#

71 50.6 36.2 54.2



#30

Chloroform

Concen: 0.239 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054603.D

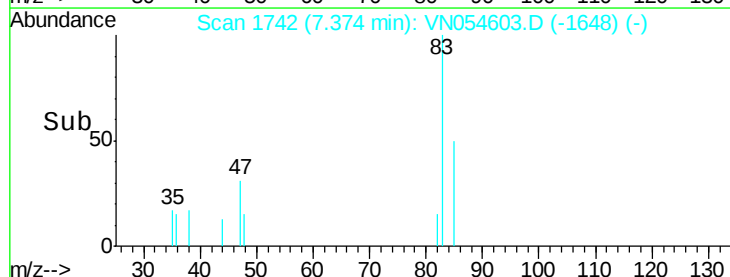
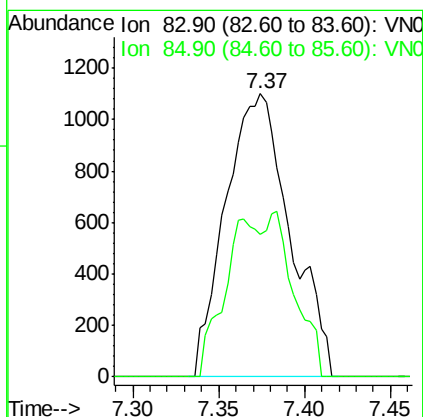
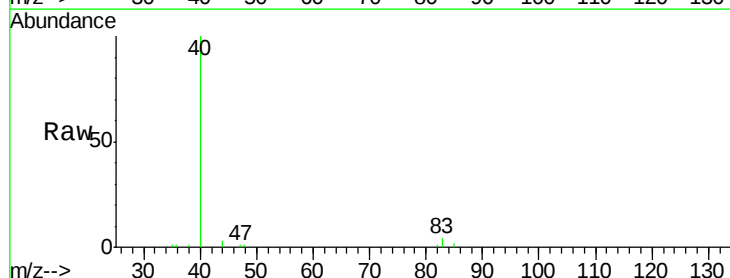
Acq: 23 Mar 2019 14:37

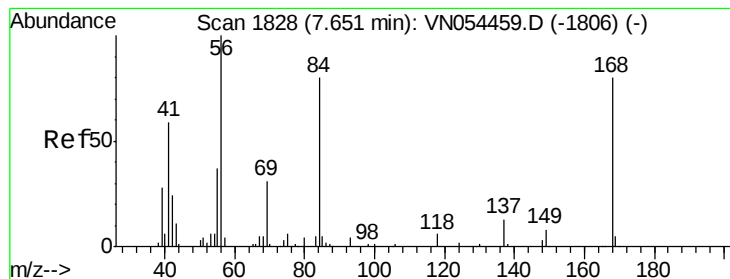
Tgt Ion: 83 Resp: 2872

Ion Ratio Lower Upper

83 100

85 50.5 52.2 78.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-UV(PRE)

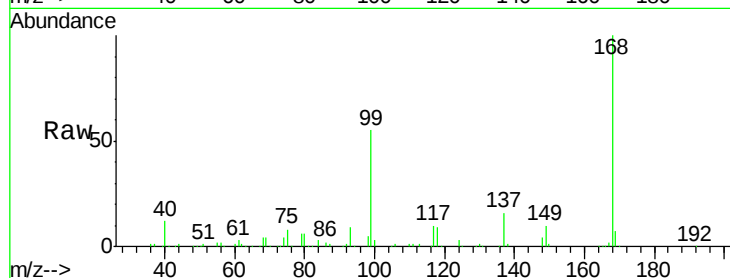
Tot Ion: 56 Resp: 13598

Ion Ratio Lower Upper

56 100

69 156.2 27.8 41.6#

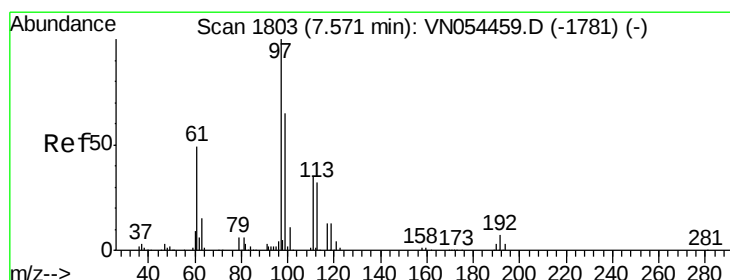
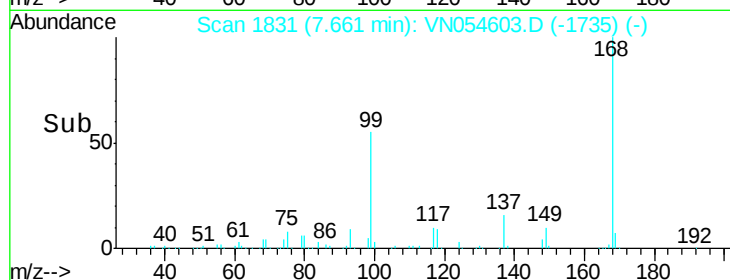
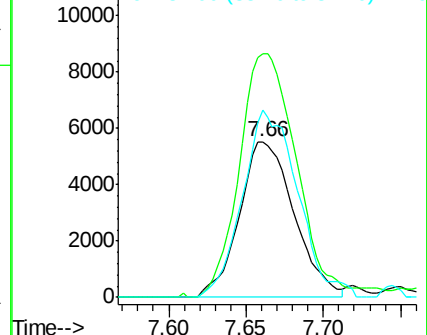
84 120.5 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.375 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

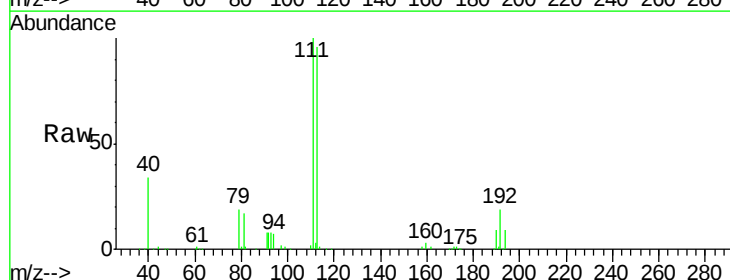
Tgt Ion: 97 Resp: 3721

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

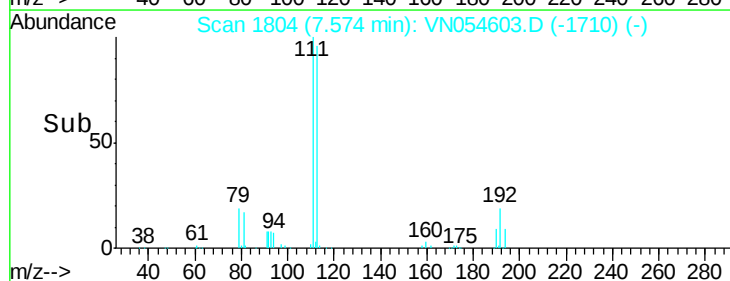
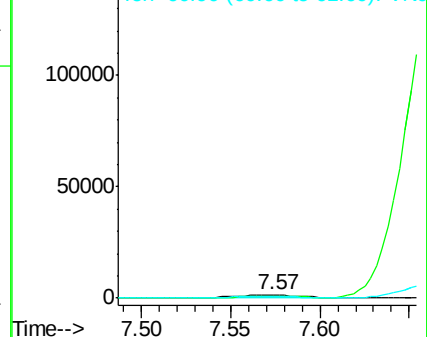
61 32.7 33.6 50.4#

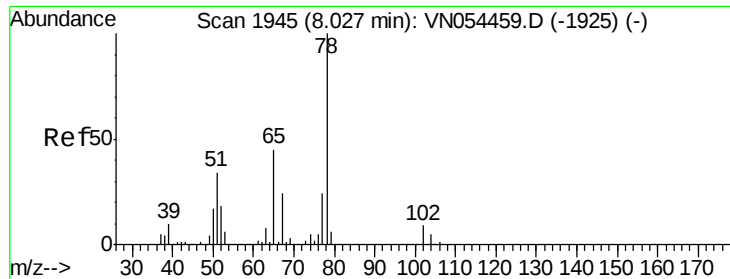


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

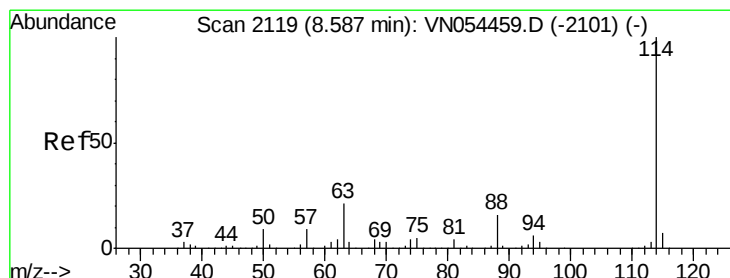
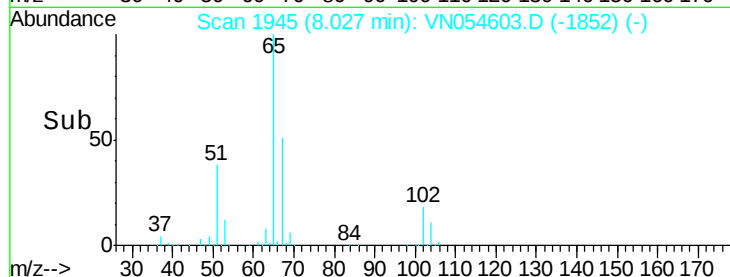
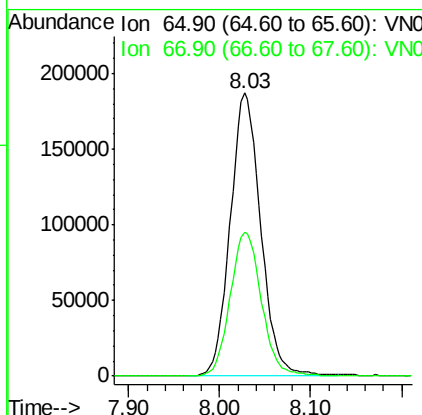
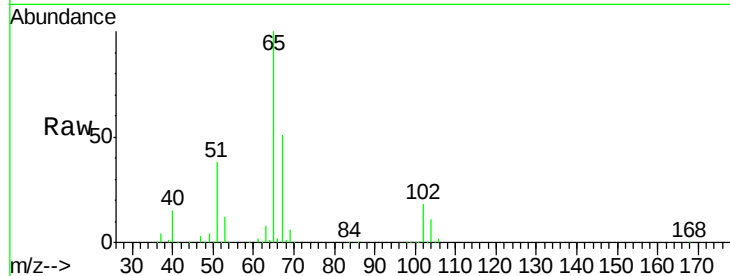




#33
 1,2-Dichloroethane-d4
 Concen: 54.884 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054603.D
 Acq: 23 Mar 2019 14:37

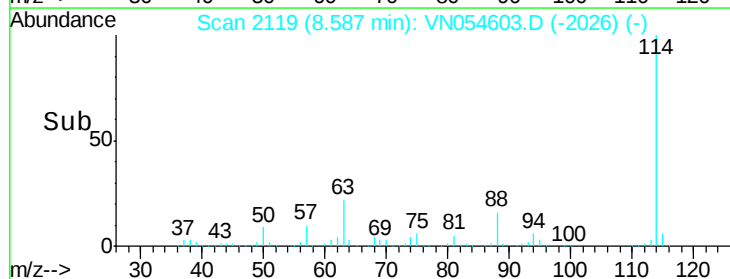
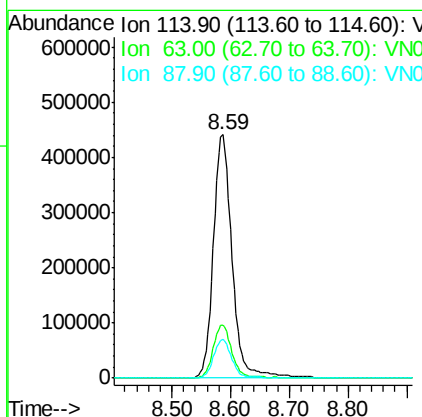
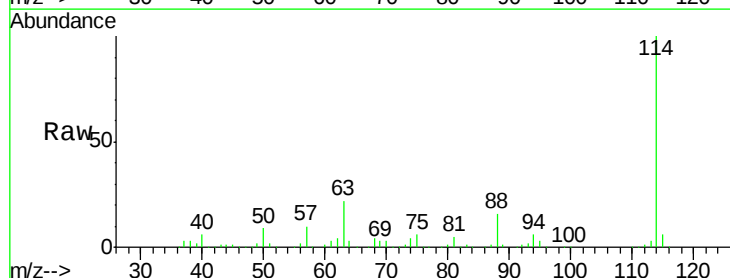
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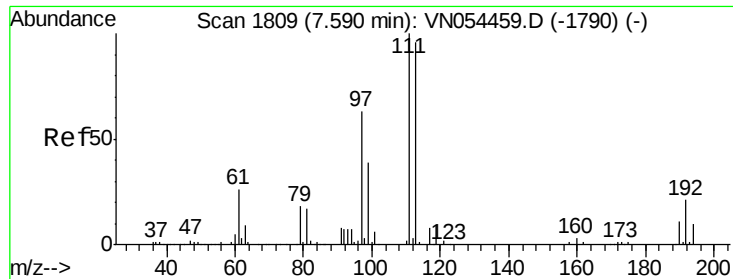
Tot Ion: 65 Resp: 436428
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054603.D
 Acq: 23 Mar 2019 14:37

Tgt Ion: 114 Resp: 978426
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 16.0 0.0 30.2

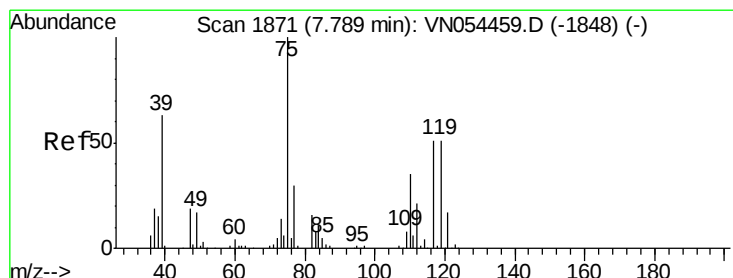
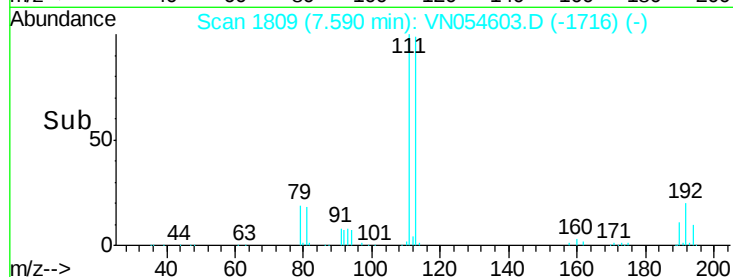
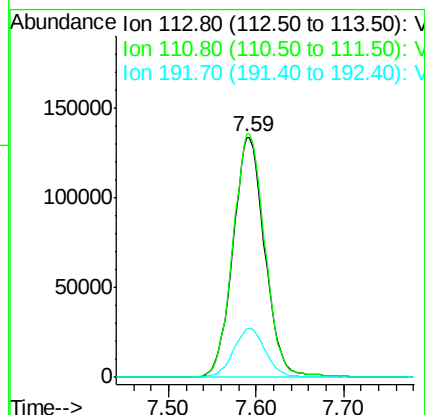
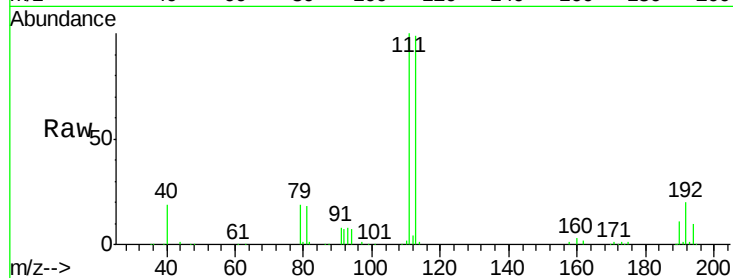




#35
 Dibromofluoromethane
 Concen: 53.584 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054603.D
 Acq: 23 Mar 2019 14:37

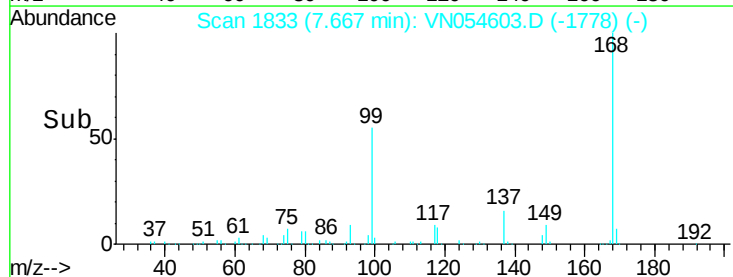
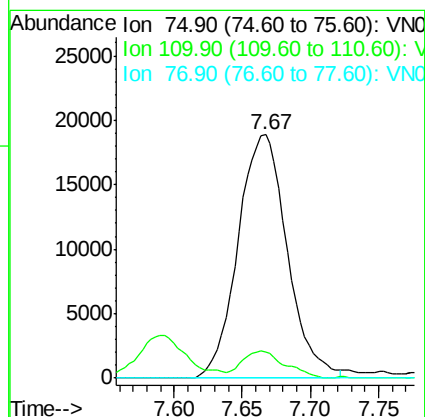
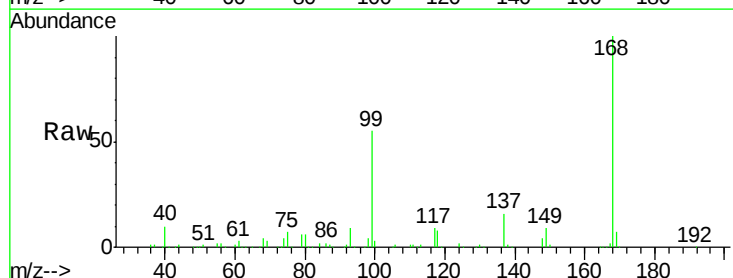
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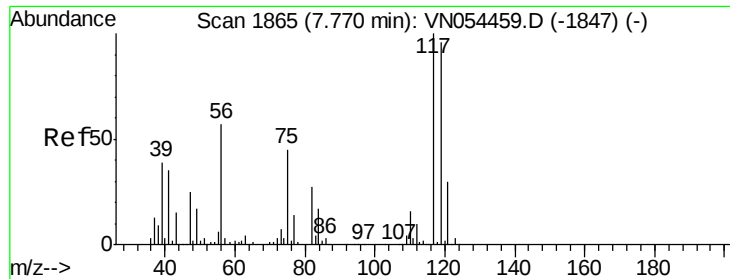
Tot Ion:113 Resp: 337768
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.2 123.4
 192 20.4 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.167 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054603.D
 Acq: 23 Mar 2019 14:37

Tgt Ion: 75 Resp: 47269
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.485 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-UV(PRE)

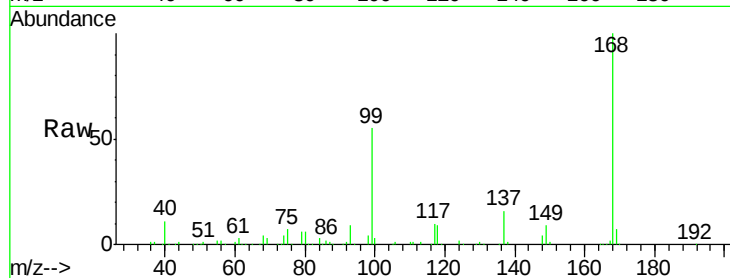
Tot Ion:117 Resp: 57657

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

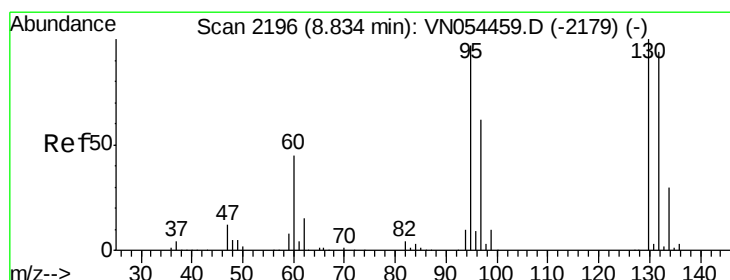
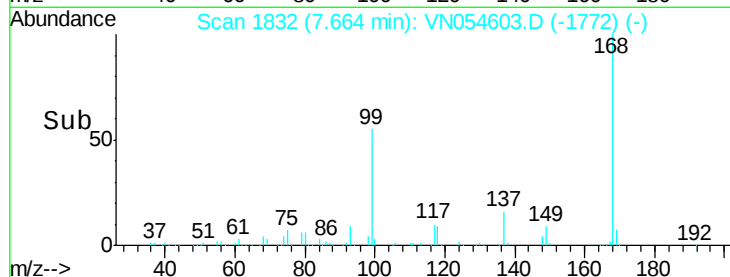
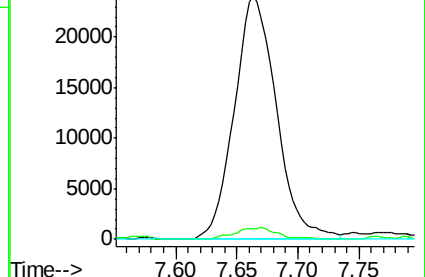
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.800 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054603.D

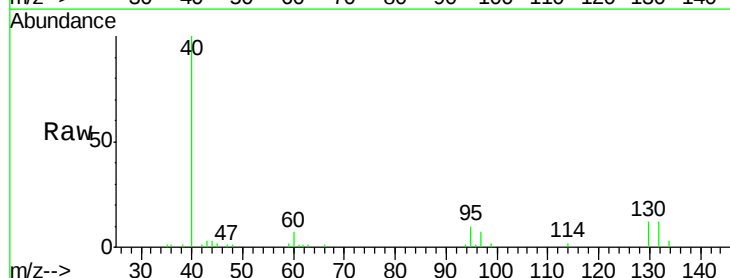
Acq: 23 Mar 2019 14:37

Tgt Ion:130 Resp: 5821

Ion Ratio Lower Upper

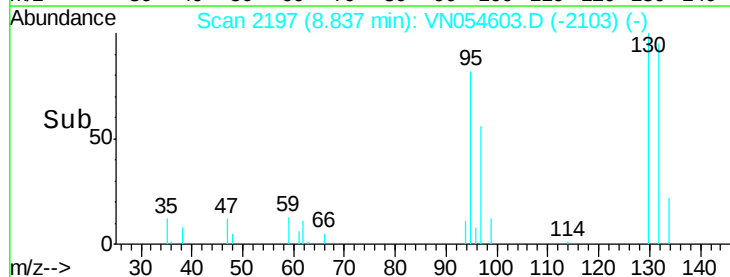
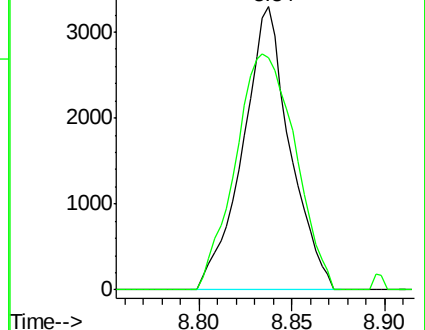
130 100

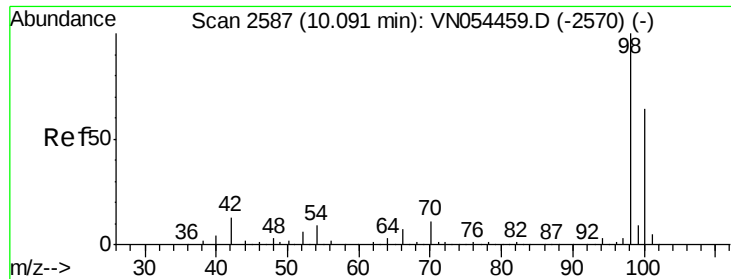
95 82.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 53.312 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

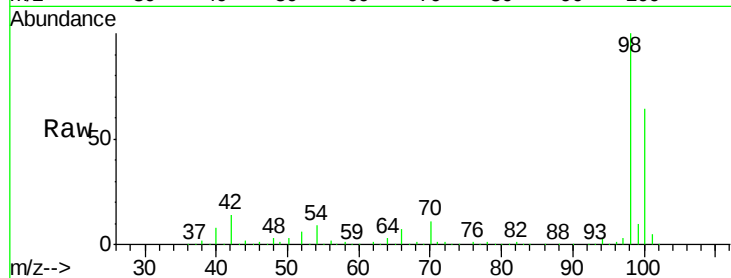
M3-T3-UV(PRE)

Tot Ion: 98 Resp: 1263345

Ion Ratio Lower Upper

98 100

100 63.9 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) (-)

10.09

600000

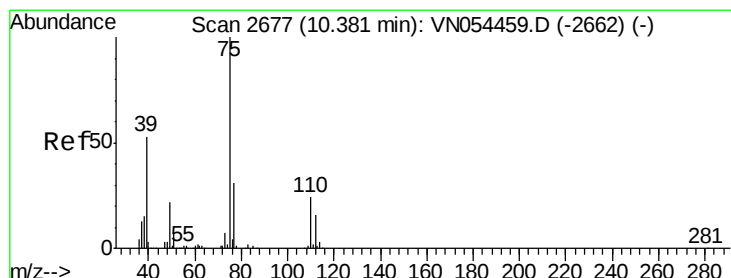
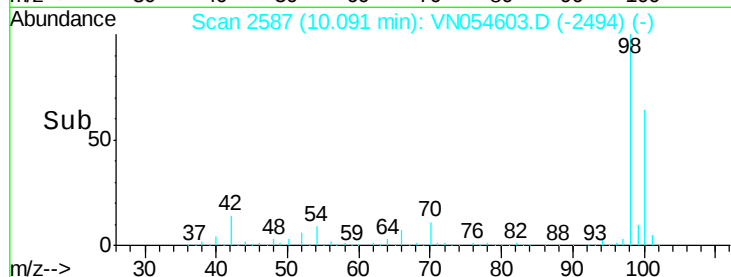
400000

200000

0

10.00 10.10 10.20 10.30

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.235 ug/l

RT: 10.40 min Scan# 2682

Delta R.T. 0.02 min

Lab File: VN054603.D

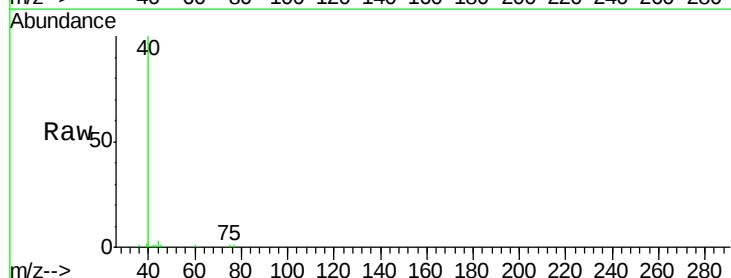
Acq: 23 Mar 2019 14:37

Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

77 0.0 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) (-)

10.40

600

500

400

300

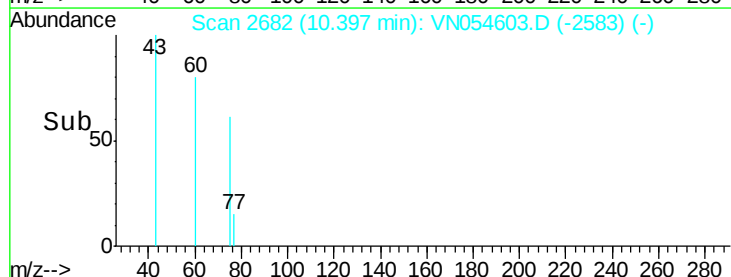
200

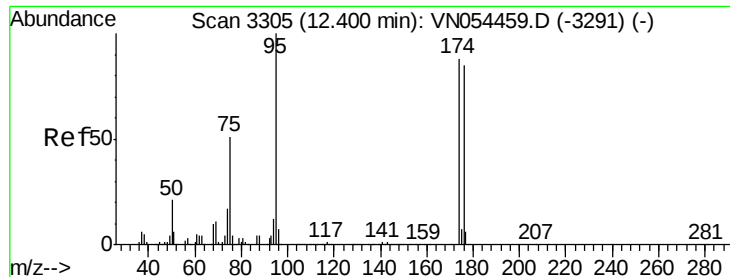
100

0

10.39 10.40

Time-->





#62

4-Bromofluorobenzene

Concen: 45.927 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

M3-T3-UV(PRE)

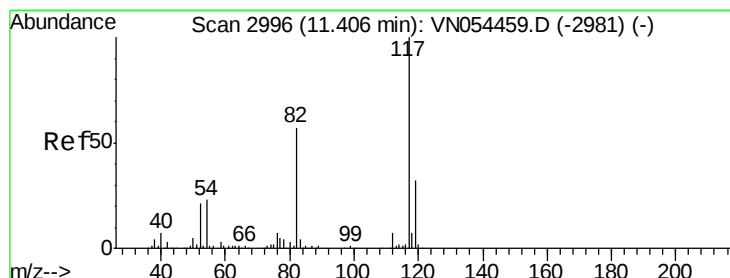
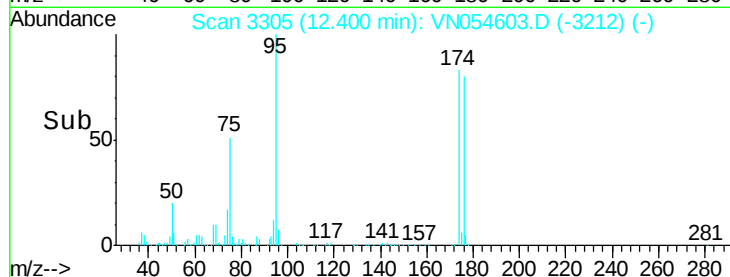
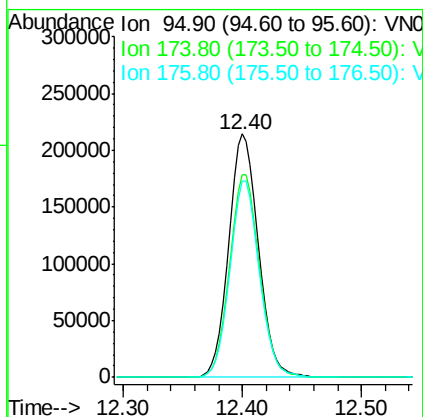
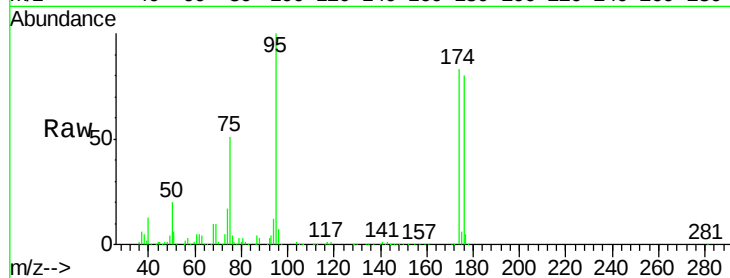
Tot Ion: 95 Resp: 370348

Ion Ratio Lower Upper

95 100

174 84.0 0.0 191.0

176 80.4 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

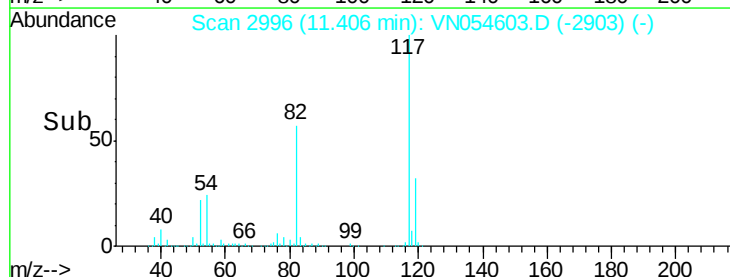
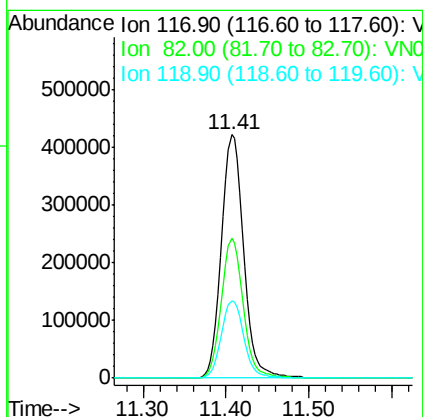
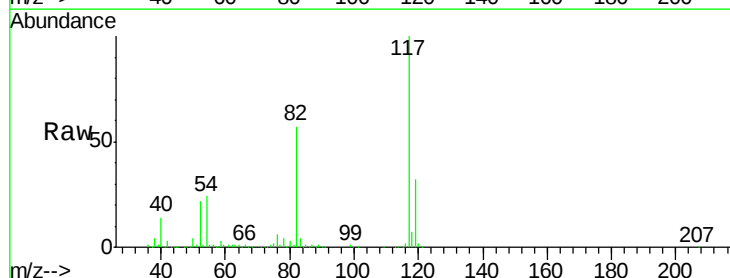
Tgt Ion: 117 Resp: 783798

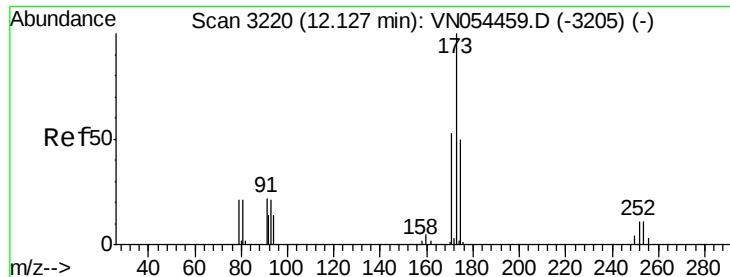
Ion Ratio Lower Upper

117 100

82 57.3 40.0 60.0

119 31.8 25.8 38.6

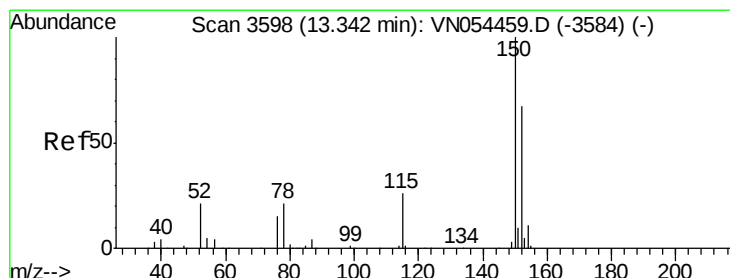
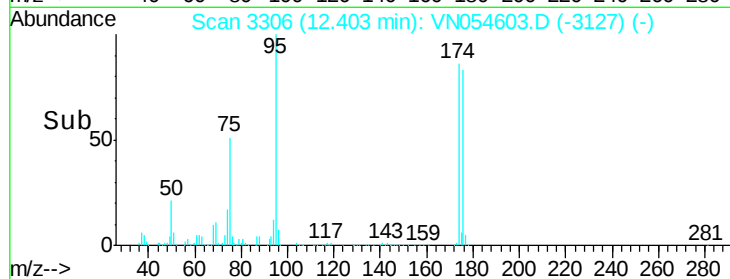
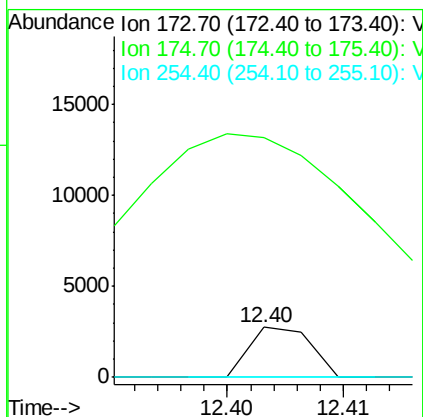
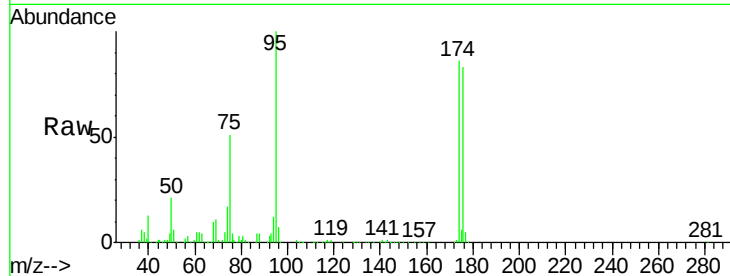




#71
Bromoform
Concen: 2.465 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054603.D
Acq: 23 Mar 2019 14:37

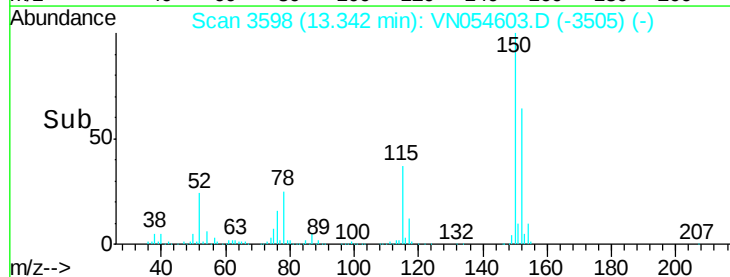
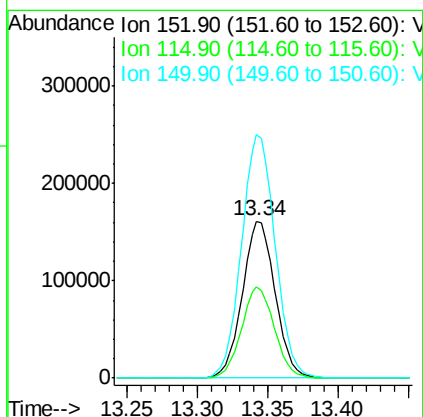
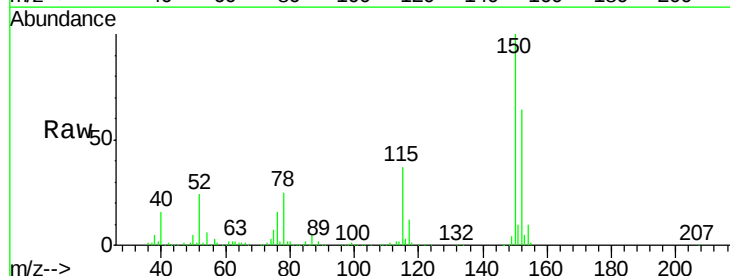
Instrument :
MSVOA_N
ClientSampleId :
M3-T3-UV(PRE)

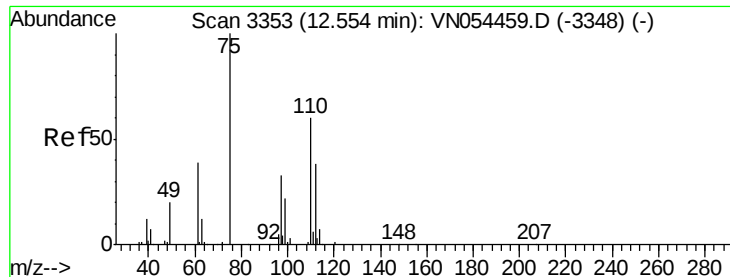
Tot Ion:173 Resp: 1009
Ion Ratio Lower Upper
173 100
175 1997.0 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054603.D
Acq: 23 Mar 2019 14:37

Tgt Ion:152 Resp: 263501
Ion Ratio Lower Upper
152 100
115 58.3 27.2 81.6
150 158.8 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 45.252 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

Instrument :

MSVOA_N

ClientSampleId :

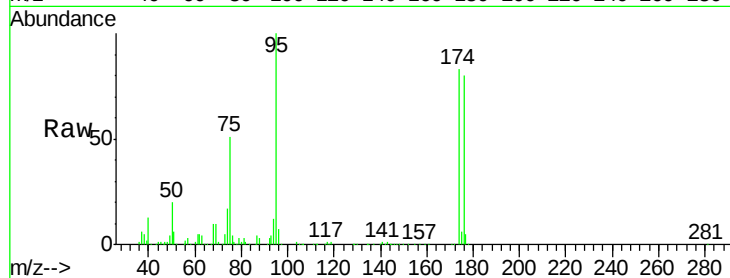
M3-T3-UV(PRE)

Tot Ion: 75 Resp: 189215

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

120000

100000

80000

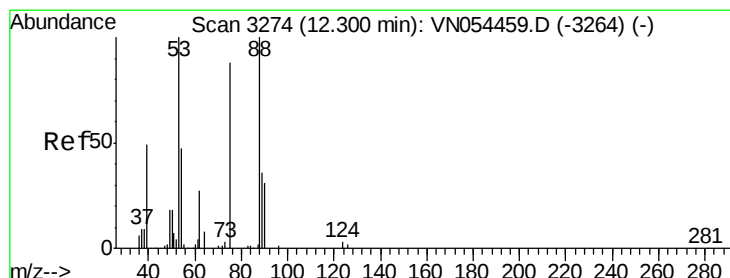
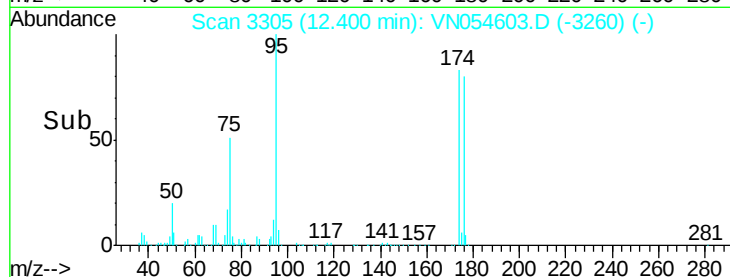
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 149.276 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054603.D

Acq: 23 Mar 2019 14:37

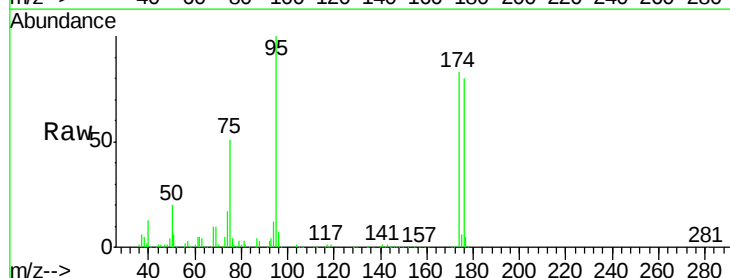
Tgt Ion: 75 Resp: 189215

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

100000

50000

0

Time--> 12.30 12.40 12.50

