

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054513.D
 Acq On : 21 Mar 2019 16:10
 Operator : JC/SP
 Sample : K1965-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311S-20190314

Quant Time: Mar 22 10:15:15 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	728222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1077614	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	890879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316826	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	423506	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	333932	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	10.09	98	1280023	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	387641	43.65	ug/l	0.00
Spiked Amount			Recovery	=	87.30%	

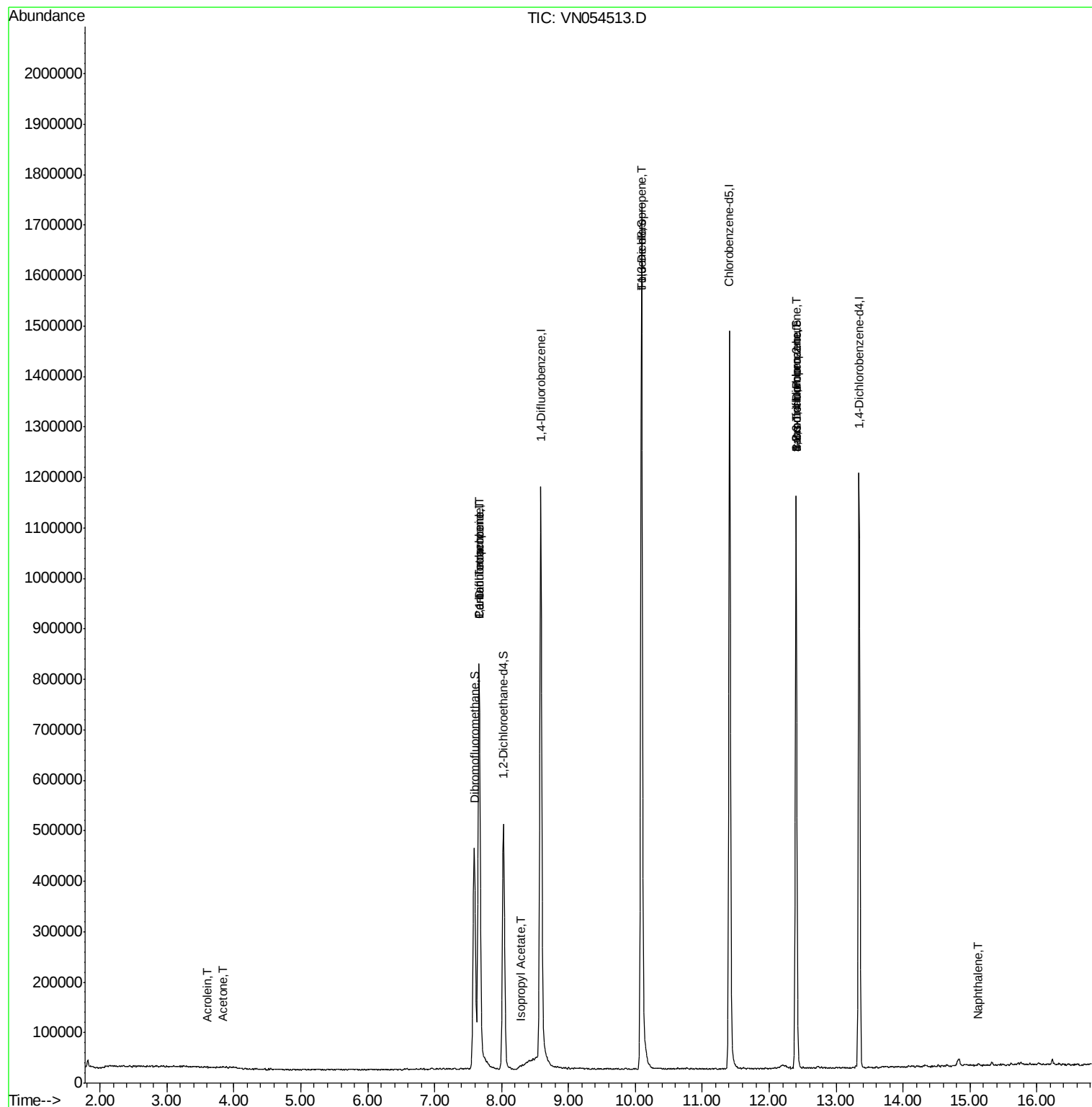
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	469	0.620	ug/l #	55
16) Acetone	3.83	43	599	0.220	ug/l #	83
31) Cyclohexane	7.67	56	13967	Below Cal	#	5
36) 1,1-Dichloropropene	7.66	75	51611	5.122	ug/l #	48
38) Carbon Tetrachloride	7.66	117	64790	6.617	ug/l #	16
43) Isopropyl Acetate	8.28	43	6848	0.566	ug/l #	60
53) t-1,3-Dichloropropene	10.09	75	19	2.234	ug/l #	53
71) Bromoform	12.39	173	768	2.384	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	197448	39.273	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	197448	129.972	ug/l #	11
94) Hexachlorobutadiene	15.01	225	72	Below Cal	#	19
95) Naphthalene	15.13	128	2397	0.212	ug/l #	92

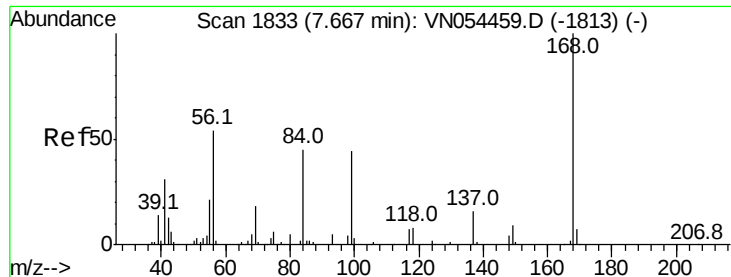
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

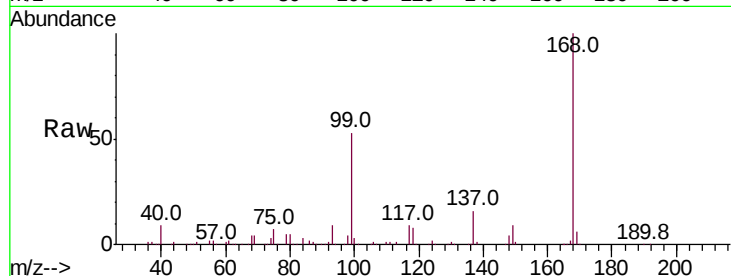
BPS1-TT-MW311S-20190314

Tot Ion:168 Resp: 728222

Ion Ratio Lower Upper

168 100

99 52.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

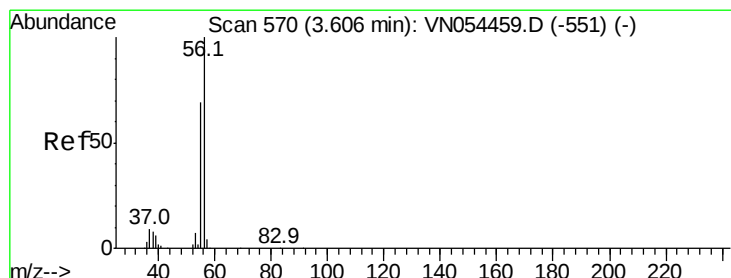
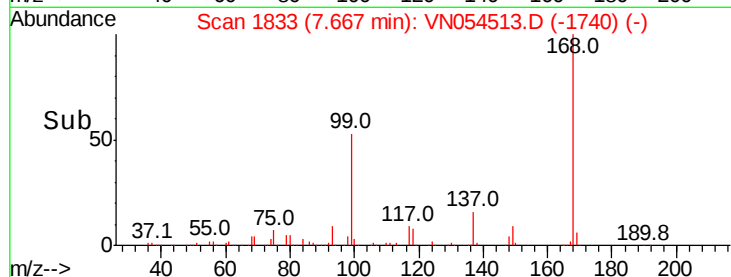
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.620 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054513.D

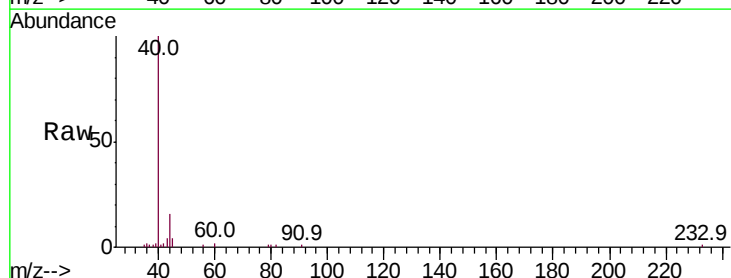
Acq: 21 Mar 2019 16:10

Tgt Ion: 56 Resp: 469

Ion Ratio Lower Upper

56 100

55 34.1 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

500

400

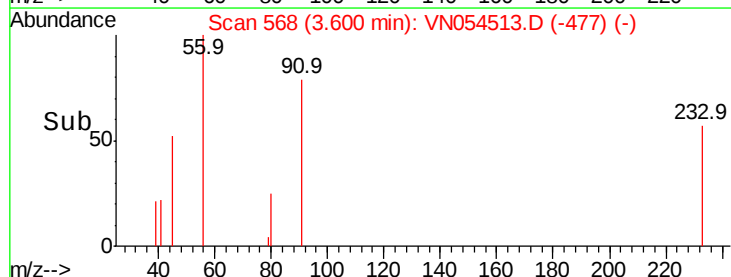
300

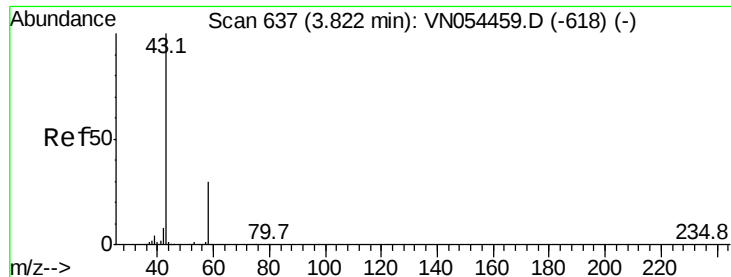
200

100

0

Time-->

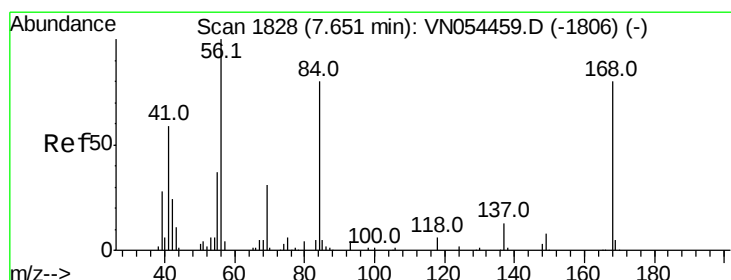
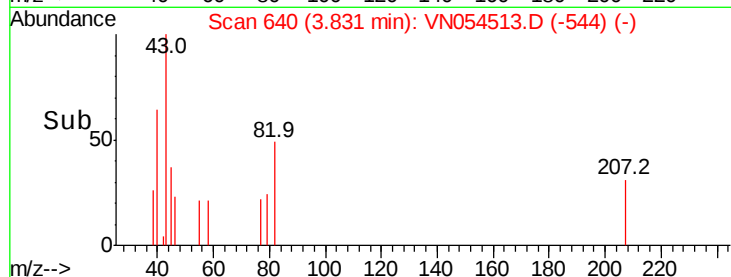
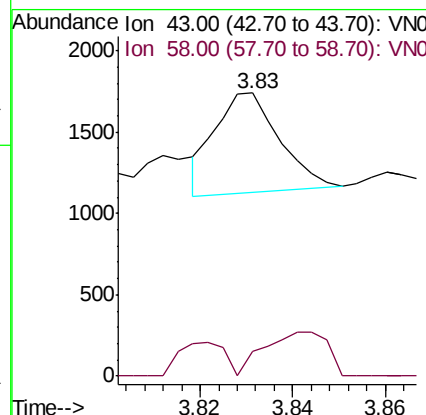
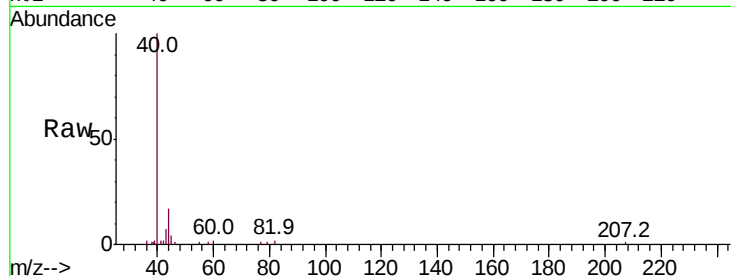




#16
Acetone
Concen: 0.220 ug/l
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN054513.D
Acq: 21 Mar 2019 16:10

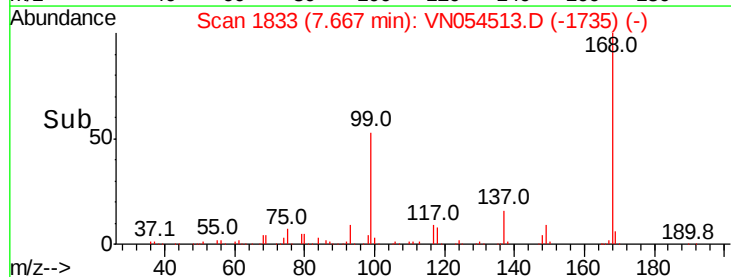
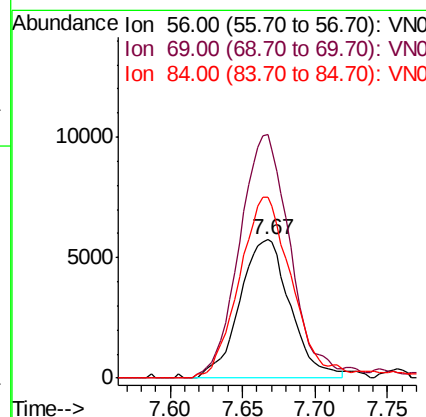
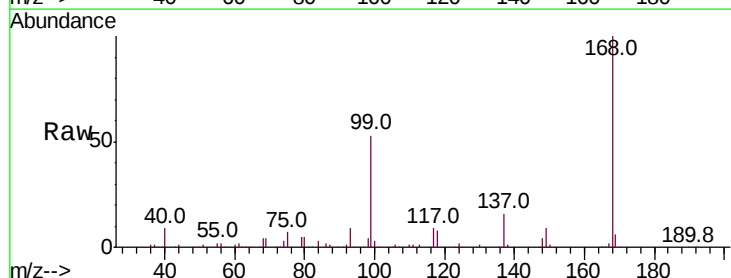
Instrument :
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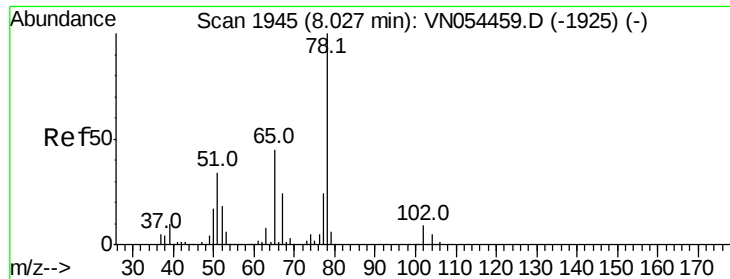
Tot Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
58 27.0 29.9 44.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054513.D
Acq: 21 Mar 2019 16:10

Tgt Ion: 56 Resp: 13967
Ion Ratio Lower Upper
56 100
69 176.3 27.8 41.6#
84 131.3 74.6 111.8#

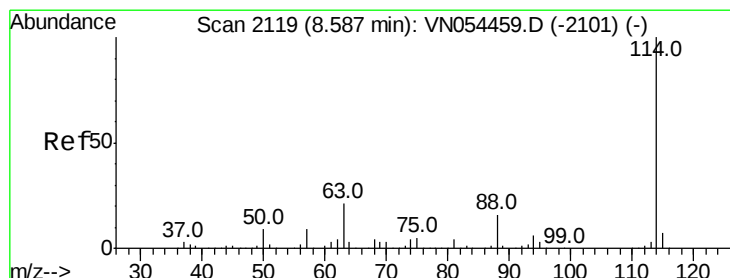
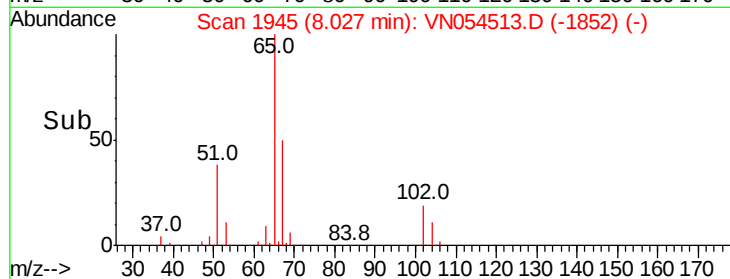
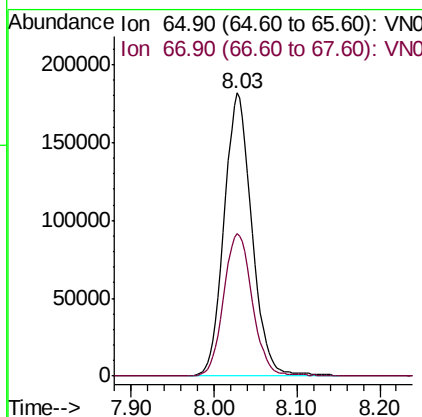
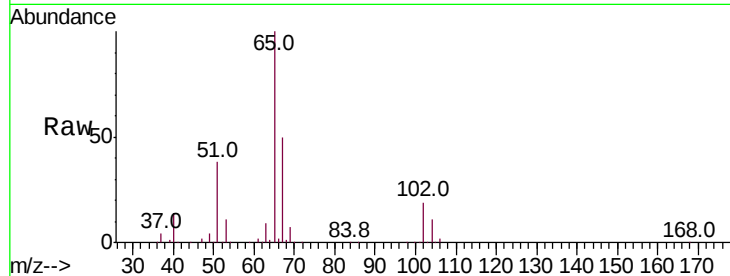




#33
 1,2-Dichloroethane-d4
 Concen: 46.755 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054513.D
 Acq: 21 Mar 2019 16:10

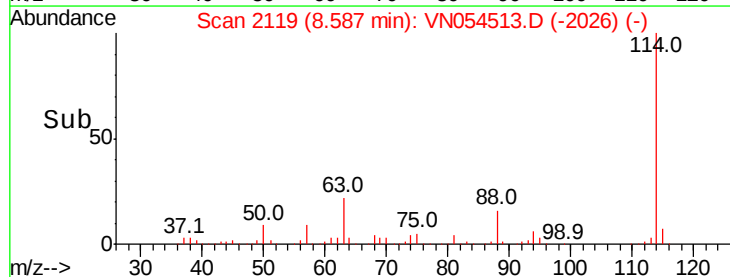
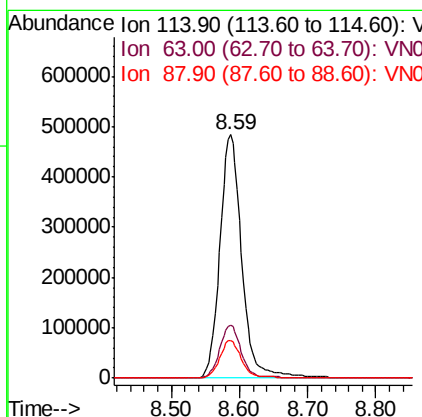
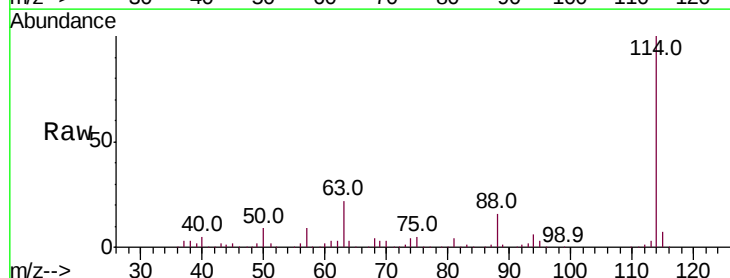
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311S-20190314

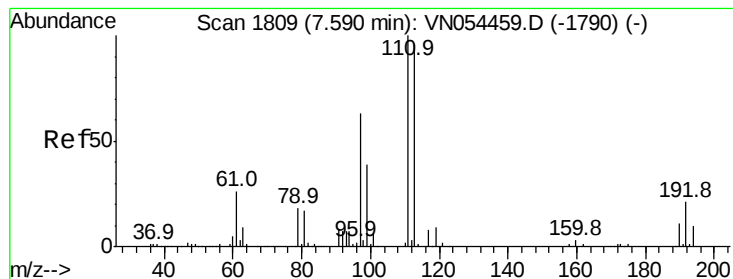
Tot Ion: 65 Resp: 423506
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054513.D
 Acq: 21 Mar 2019 16:10

Tgt Ion: 114 Resp: 1077614
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.100 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311S-20190314

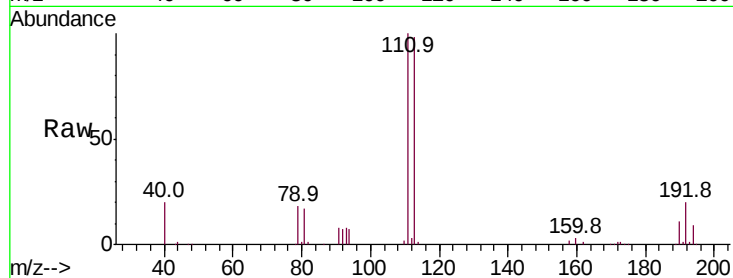
Tot Ion:113 Resp: 333932

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

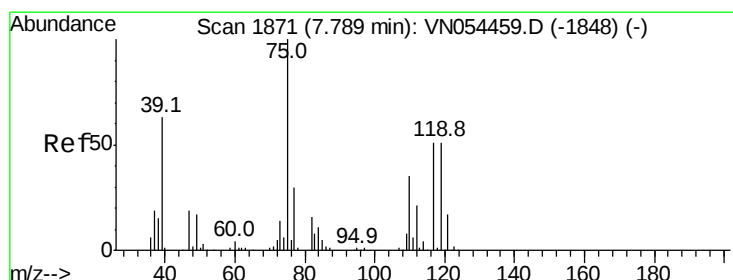
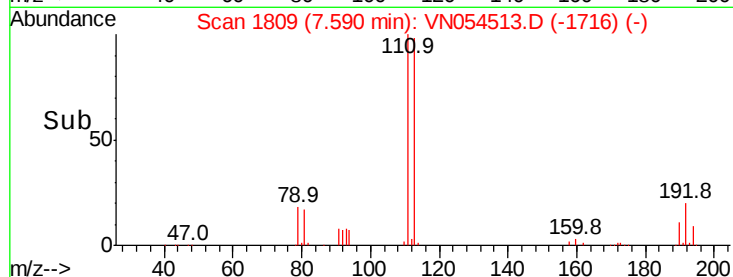
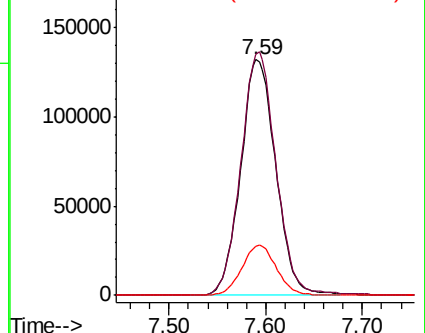
192 21.0 19.2 28.8



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



#36

1,1-Dichloropropene

Concen: 5.122 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

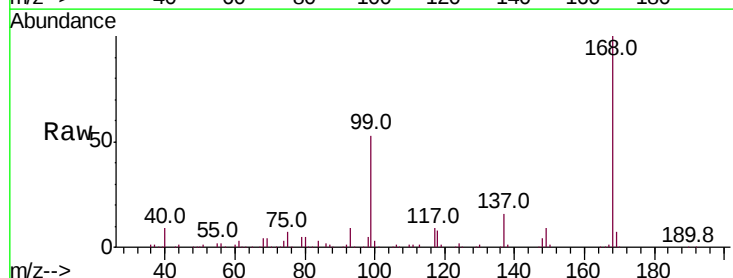
Tgt Ion: 75 Resp: 51611

Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.5#

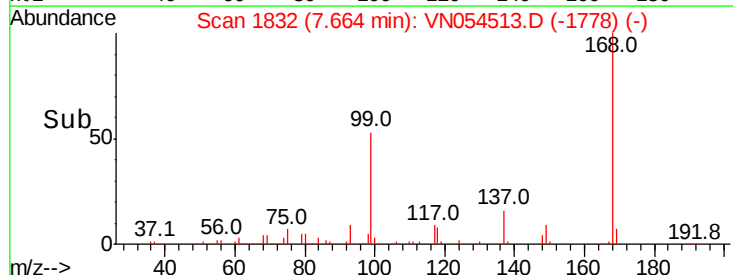
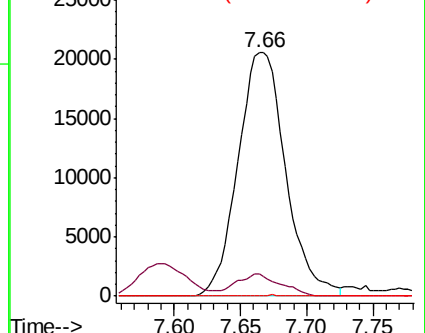
77 0.1 25.0 37.4#

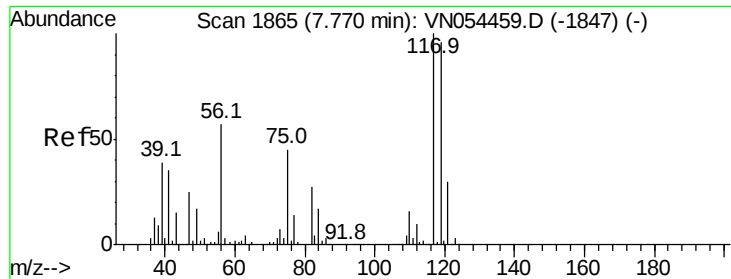


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

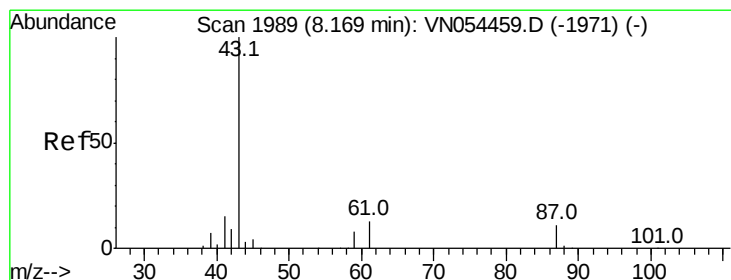
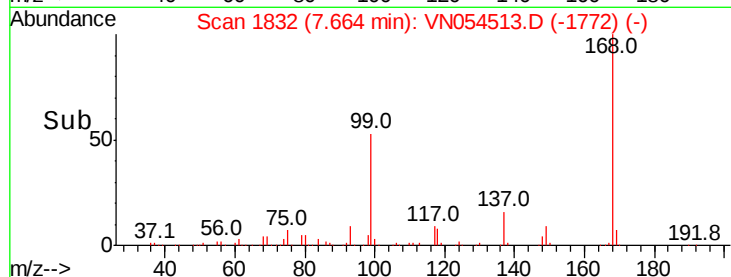
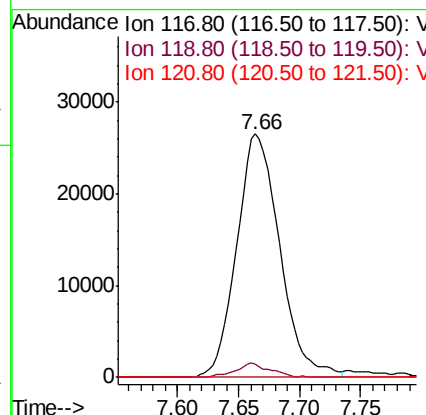
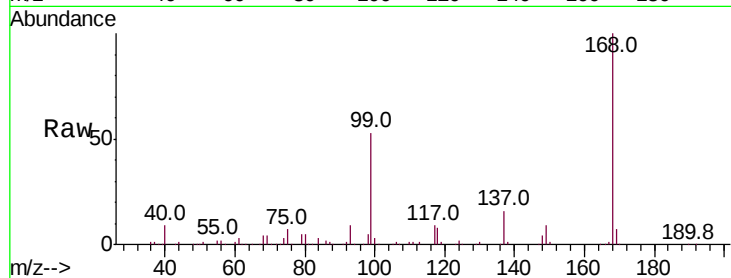




#38
Carbon Tetrachloride
Concen: 6.617 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054513.D
Acq: 21 Mar 2019 16:10

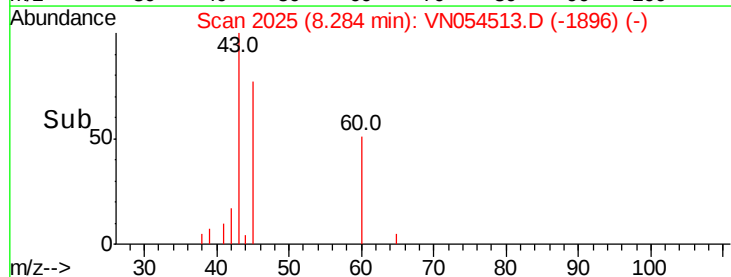
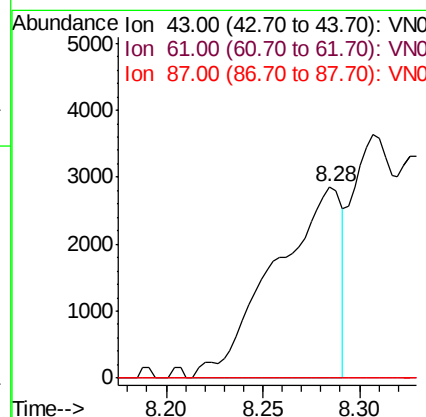
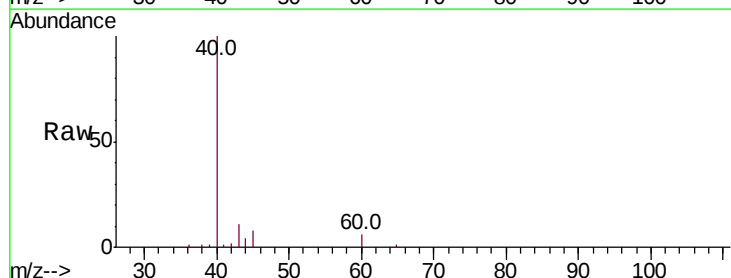
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW311S-20190314

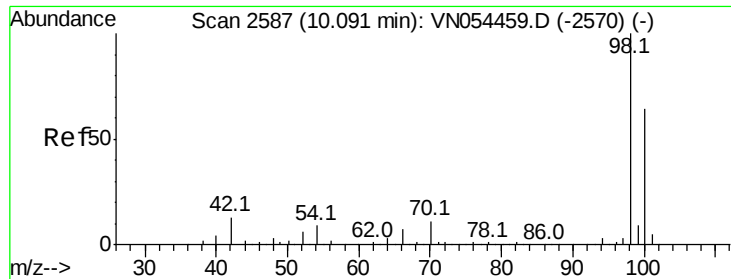
Tot Ion:117 Resp: 64790
Ion Ratio Lower Upper
117 100
119 5.5 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 0.566 ug/l
RT: 8.28 min Scan# 2025
Delta R.T. 0.12 min
Lab File: VN054513.D
Acq: 21 Mar 2019 16:10

Tgt Ion: 43 Resp: 6848
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#





#50

Toluene-d8

Concen: 49.044 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

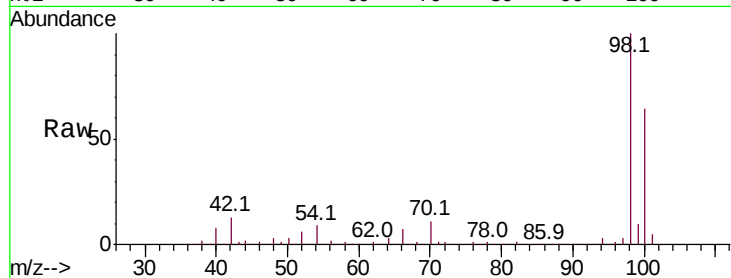
BPS1-TT-MW311S-20190314

Tot Ion: 98 Resp: 1280023

Ion Ratio Lower Upper

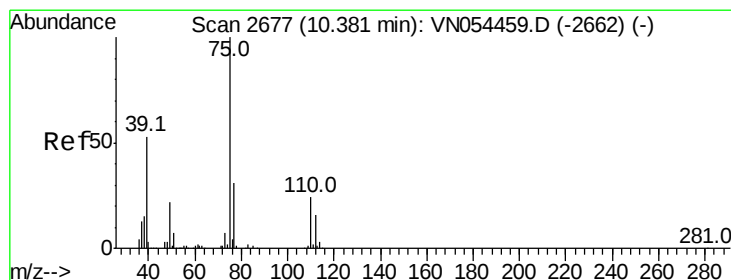
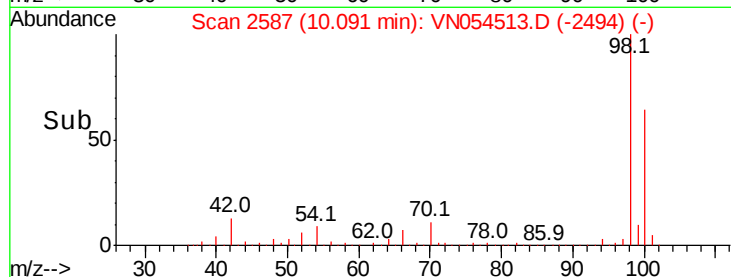
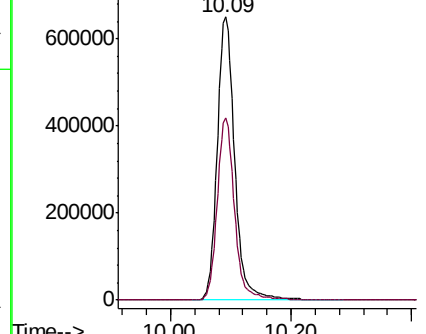
98 100

100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#53

t-1,3-Dichloropropene

Concen: 2.234 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.29 min

Lab File: VN054513.D

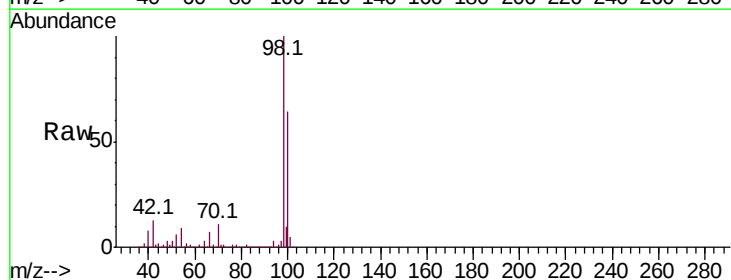
Acq: 21 Mar 2019 16:10

Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

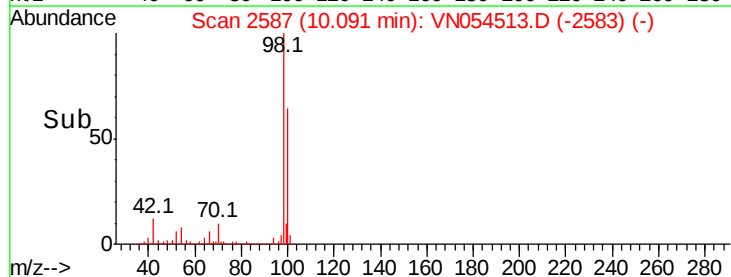
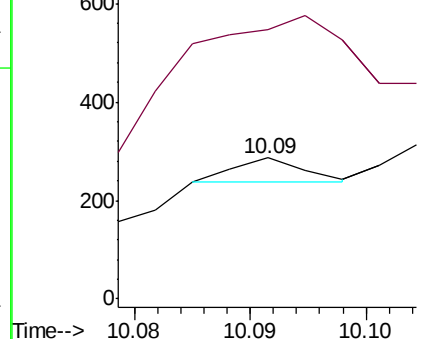
75 100

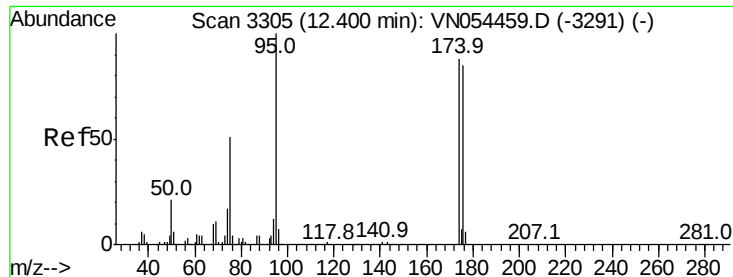
77 58.3 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#62

4-Bromofluorobenzene

Concen: 43.647 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

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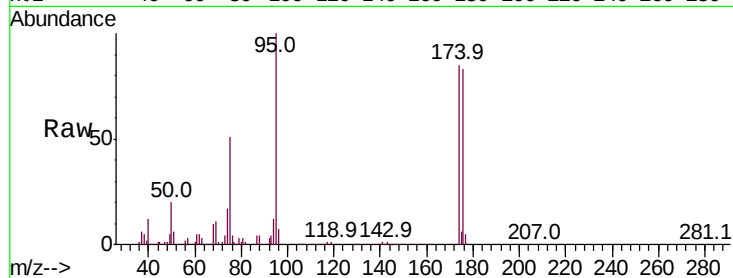
Tot Ion: 95 Resp: 387641

Ion Ratio Lower Upper

95 100

174 85.6 0.0 191.0

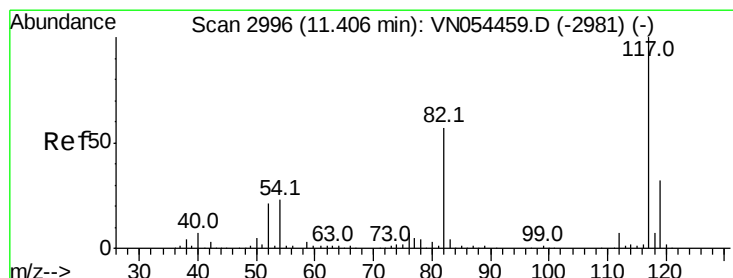
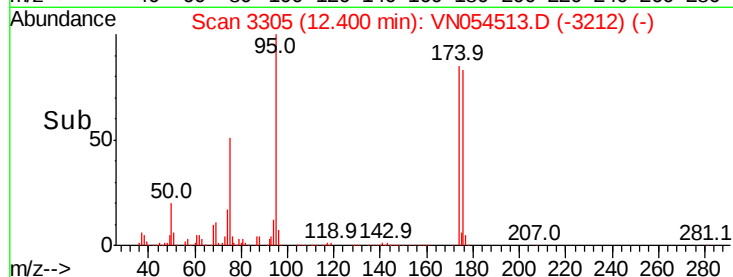
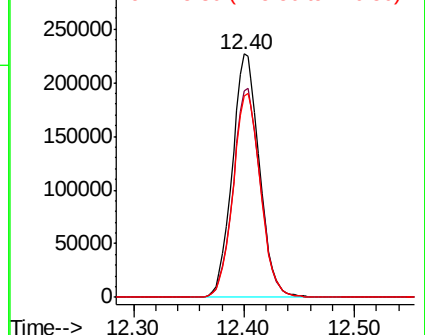
176 84.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

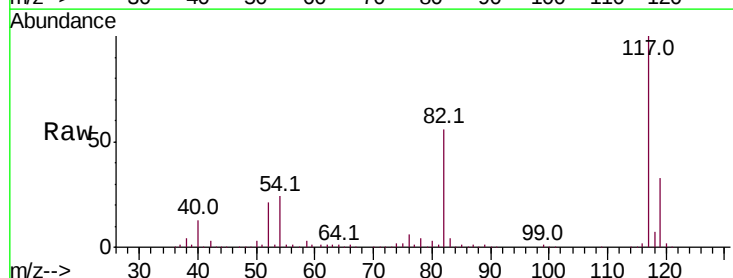
Tgt Ion: 117 Resp: 890879

Ion Ratio Lower Upper

117 100

82 56.0 40.0 60.0

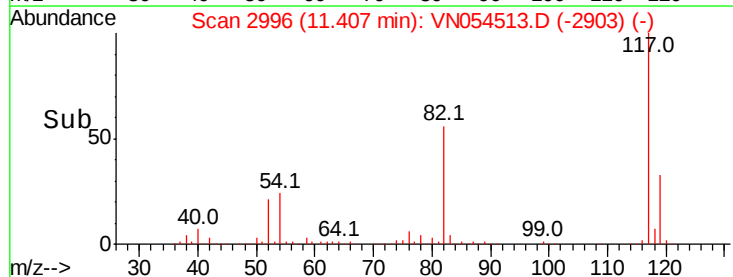
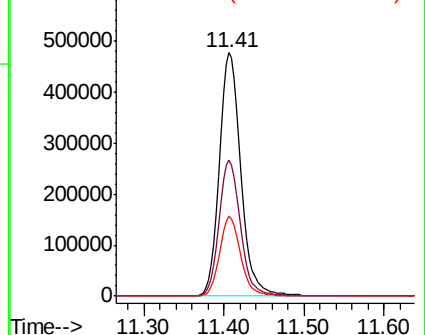
119 32.5 25.8 38.6

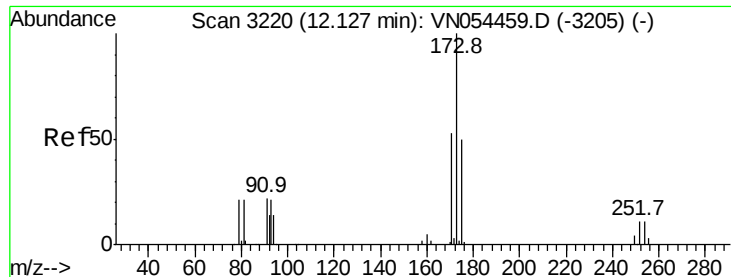


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)





#71

Bromoform

Concen: 2.384 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311S-20190314

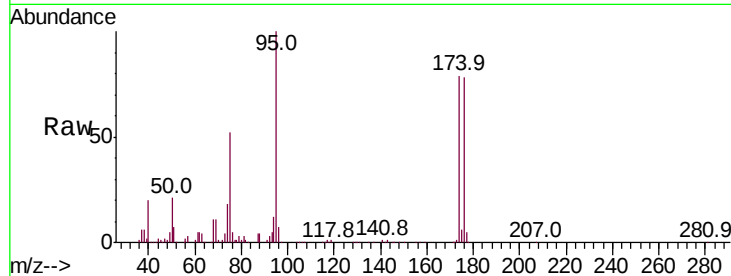
Tot Ion:173 Resp: 768

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

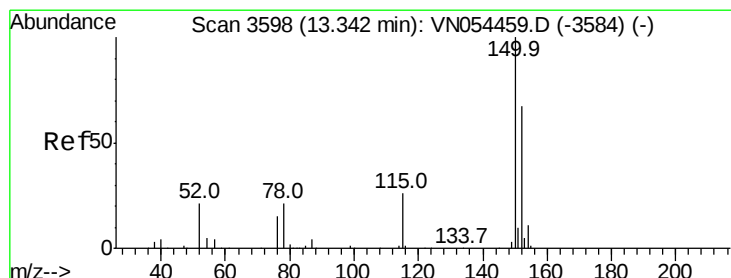
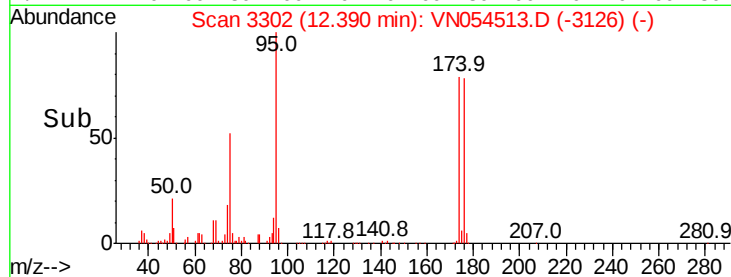
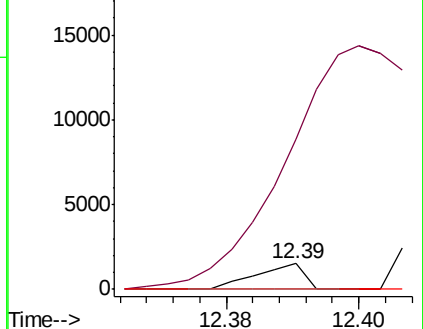
254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

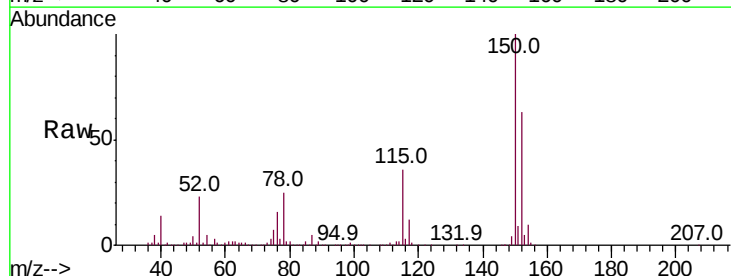
Tgt Ion:152 Resp: 316826

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

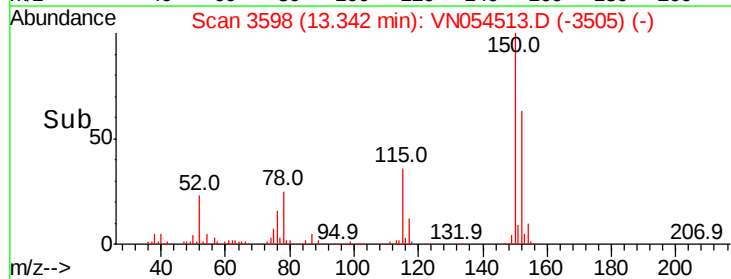
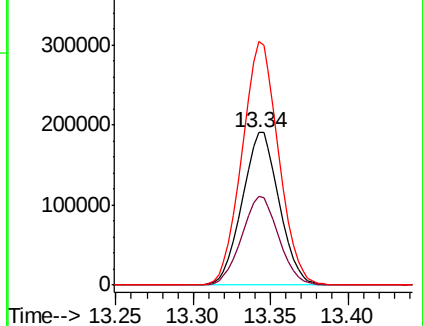
150 158.3 0.0 349.2

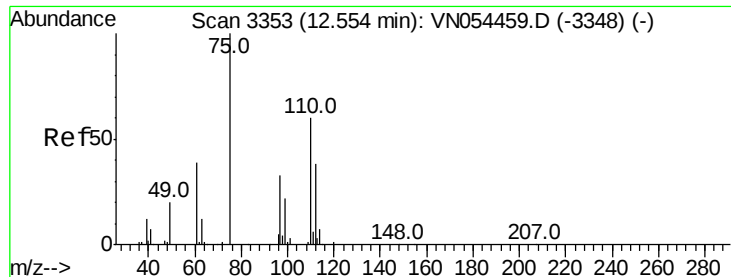


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.273 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

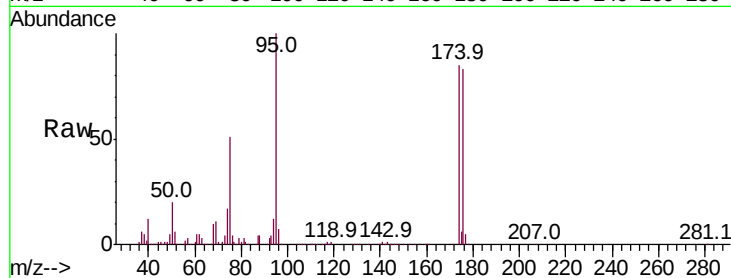
BPS1-TT-MW311S-20190314

Tot Ion: 75 Resp: 197448

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

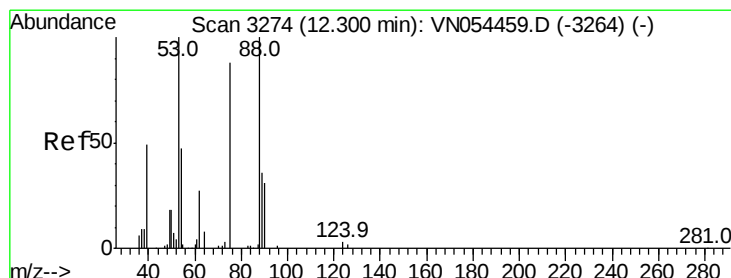
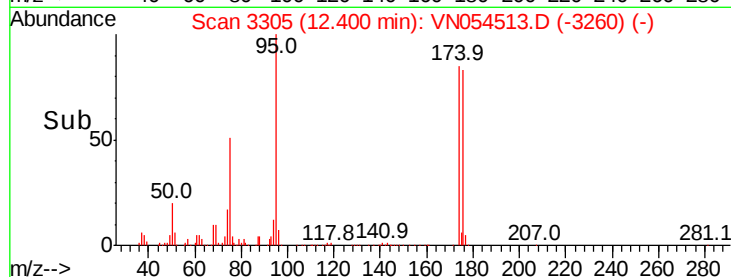
12.40

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 129.972 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

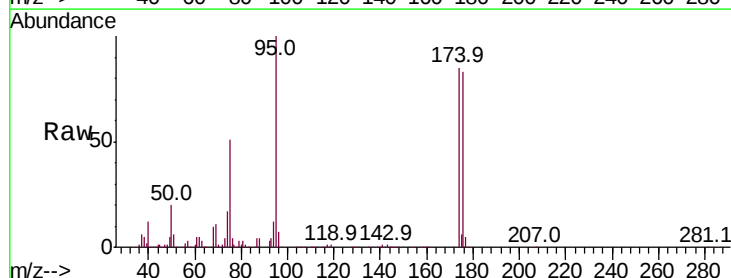
Tgt Ion: 75 Resp: 197448

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

12.40

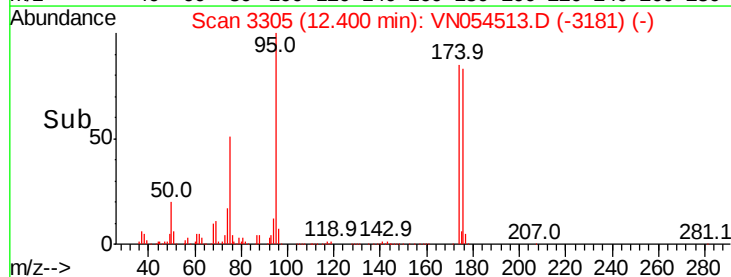
150000

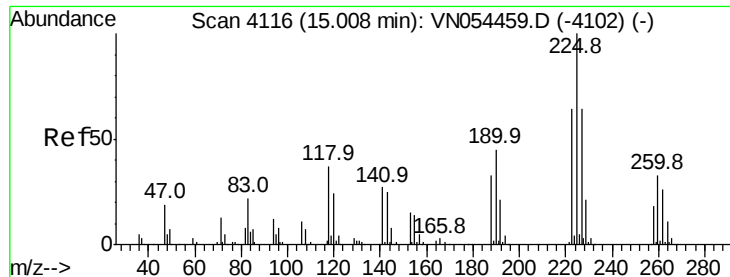
100000

50000

0

Time--> 12.30 12.40 12.50





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311S-20190314

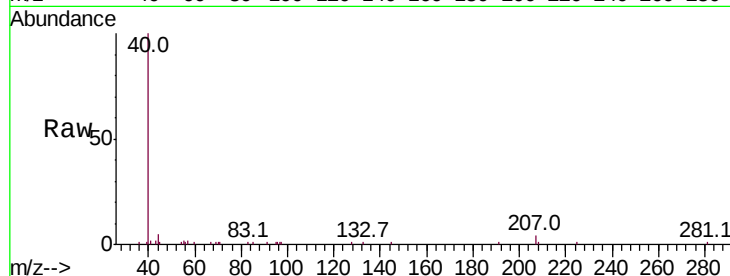
Tot Ion:225 Resp: 72

Ion Ratio Lower Upper

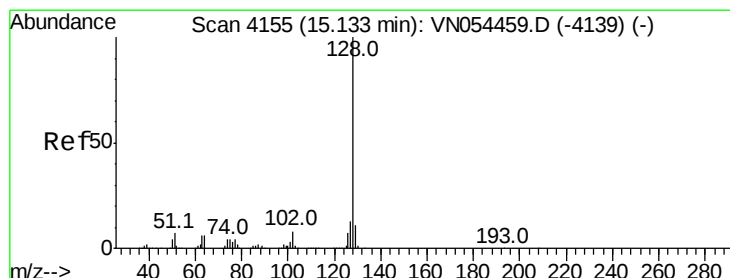
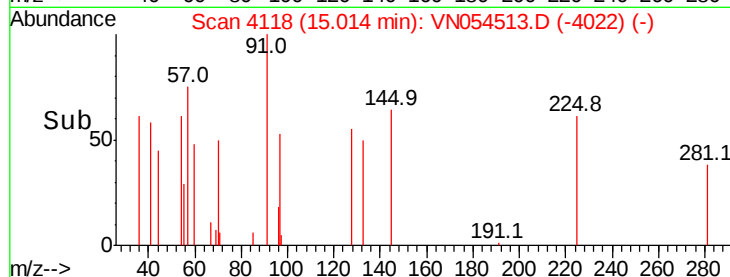
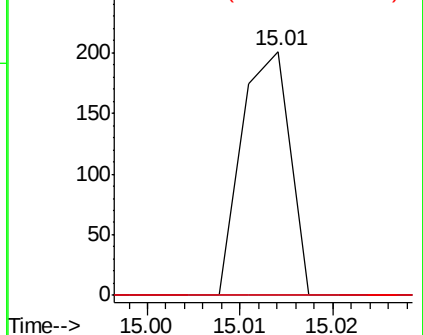
225 100

223 0.0 31.1 93.5#

227 0.0 31.9 95.9#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.212 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054513.D

Acq: 21 Mar 2019 16:10

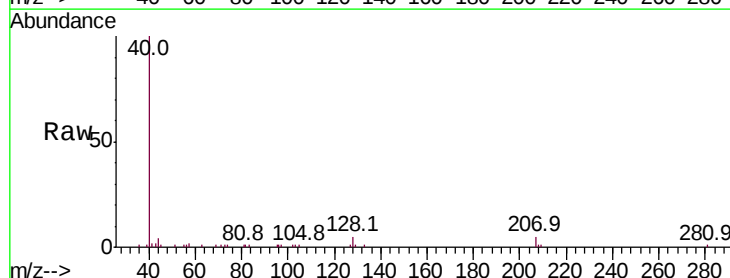
Tgt Ion:128 Resp: 2397

Ion Ratio Lower Upper

128 100

127 7.6 10.1 15.1#

129 11.9 8.7 13.1



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

