

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054519.D
 Acq On : 21 Mar 2019 18:55
 Operator : JC/SP
 Sample : K1965-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303I2-20190315

Quant Time: Mar 22 10:16:42 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	450340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	823677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	886335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	338522	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	310666	55.46	ug/l	0.00
Spiked Amount						
			Recovery	=	110.92%	
35) Dibromofluoromethane	7.59	113	258400	48.69	ug/l	0.00
Spiked Amount						
			Recovery	=	97.38%	
50) Toluene-d8	10.09	98	1084230	54.35	ug/l	0.00
Spiked Amount						
			Recovery	=	108.70%	
62) 4-Bromofluorobenzene	12.40	95	422178	62.19	ug/l	0.00
Spiked Amount						
			Recovery	=	124.38%	

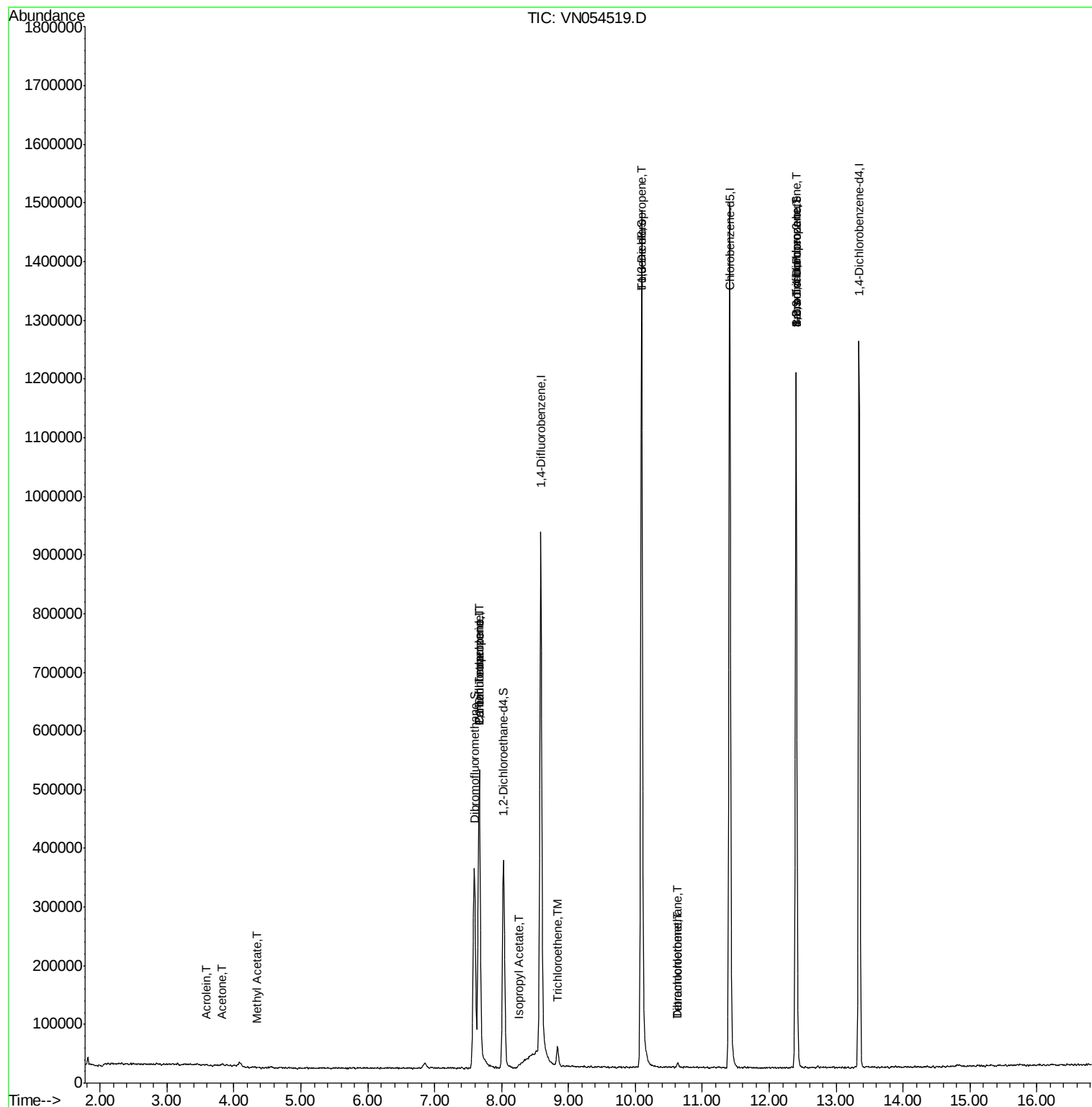
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	305	0.652	ug/l	87
16) Acetone	3.82	43	4204	2.496	ug/l	89
18) Methyl Acetate	4.34	43	1809	0.482	ug/l #	61
31) Cyclohexane	7.67	56	8937	Below Cal	#	29
36) 1,1-Dichloropropene	7.67	75	33386	4.335	ug/l #	48
38) Carbon Tetrachloride	7.67	117	41706	5.573	ug/l #	16
43) Isopropyl Acetate	8.27	43	4248	0.459	ug/l #	60
44) Trichloroethene	8.83	130	12157	1.986	ug/l	98
53) t-1,3-Dichloropropene	10.10	75	170	2.253	ug/l #	1
60) Dibromochloromethane	10.63	129	1761	0.340	ug/l #	11
64) Tetrachloroethene	10.63	164	1519	0.207	ug/l	89
71) Bromoform	12.40	173	1524	2.547	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	211520	39.376	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	211520	130.303	ug/l #	11

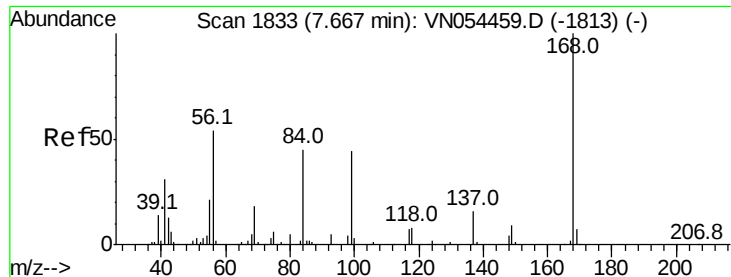
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPS1-TT-MW30312-20190315

Quant Time: Mar 22 10:16:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
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: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

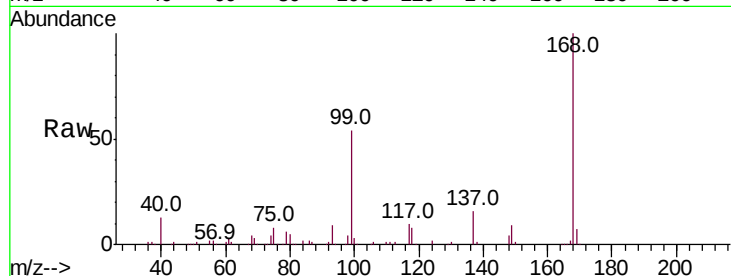
BPS1-TT-MW303I2-20190315

Tot Ion:168 Resp: 450340

Ion Ratio Lower Upper

168 100

99 53.8 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

200000

150000

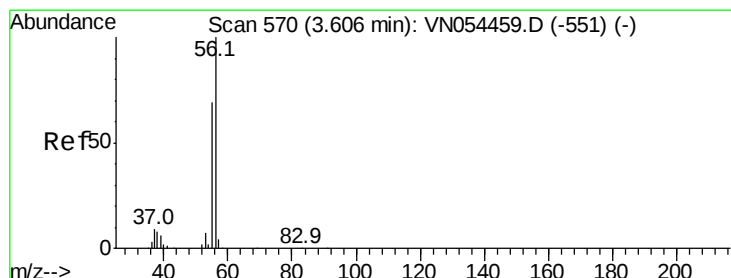
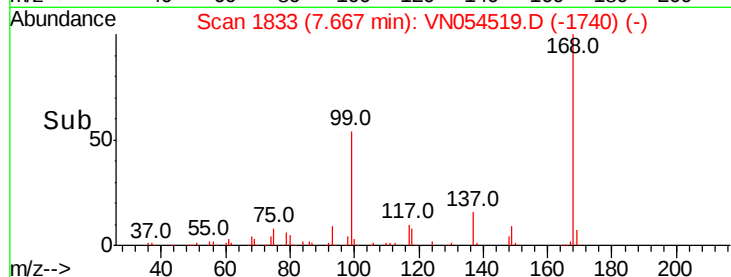
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 0.652 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054519.D

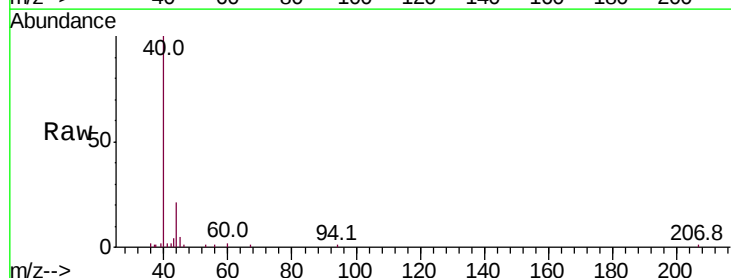
Acq: 21 Mar 2019 18:55

Tgt Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

55 81.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.59

300

250

200

150

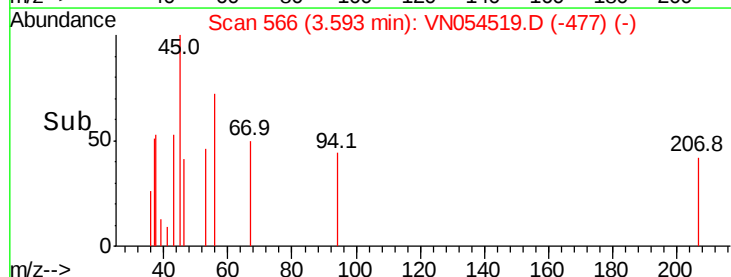
100

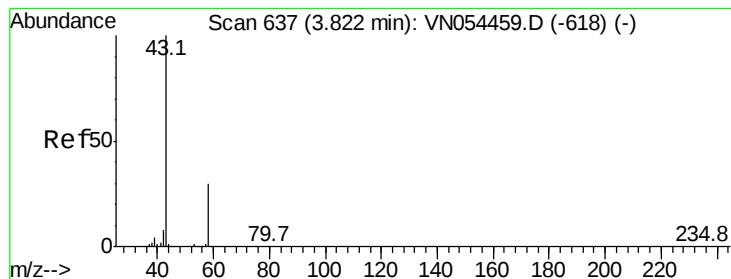
50

0

3.58 3.60 3.62

Time-->





#16

Acetone

Concen: 2.496 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

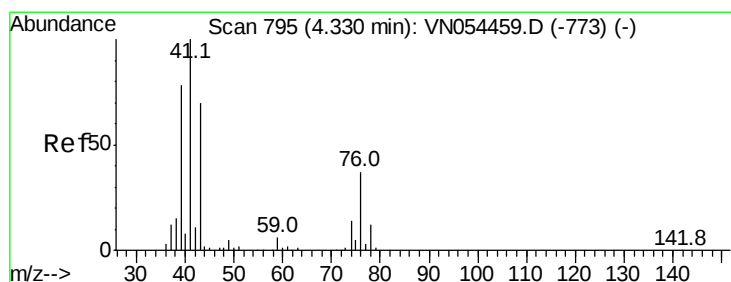
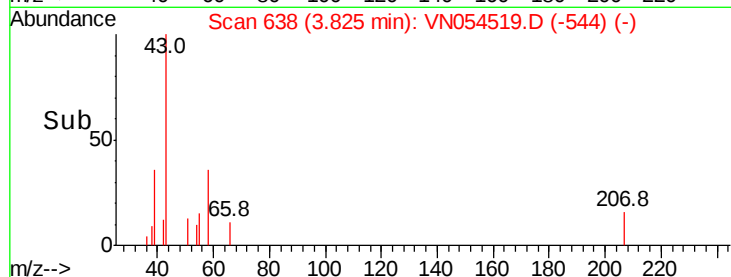
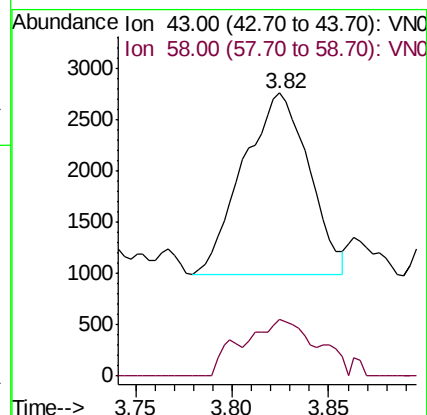
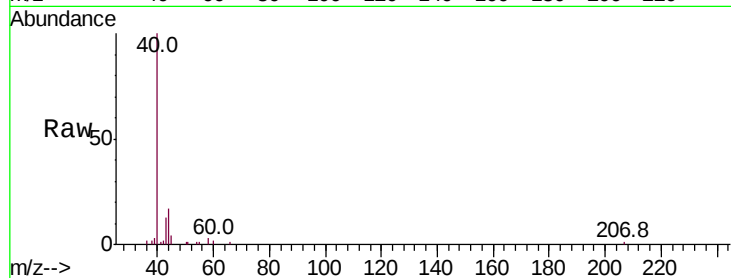
BPS1-TT-MW303I2-20190315

Tot Ion: 43 Resp: 4204

Ion Ratio Lower Upper

43 100

58 31.1 29.9 44.9



#18

Methyl Acetate

Concen: 0.482 ug/l

RT: 4.34 min Scan# 799

Delta R.T. 0.01 min

Lab File: VN054519.D

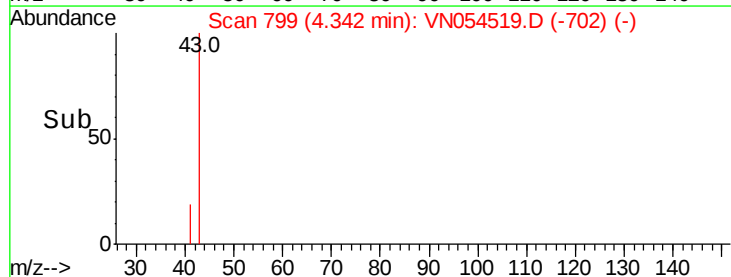
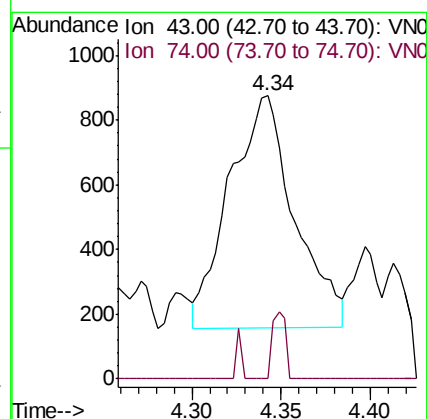
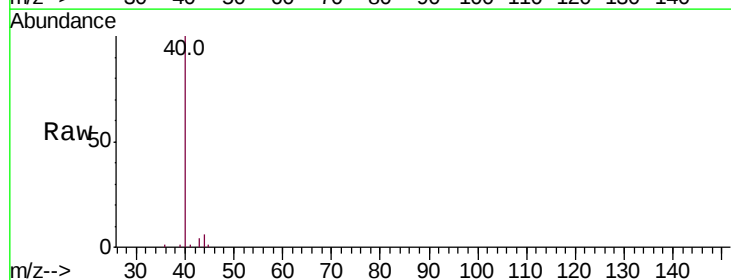
Acq: 21 Mar 2019 18:55

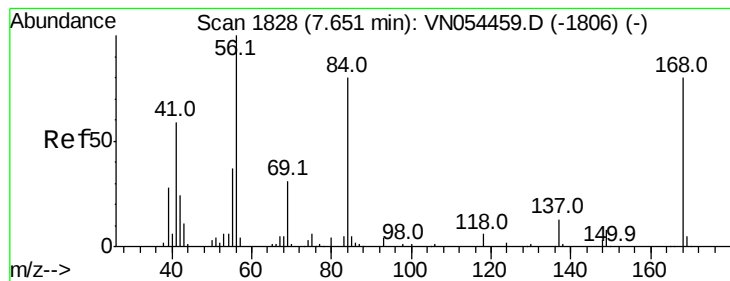
Tgt Ion: 43 Resp: 1809

Ion Ratio Lower Upper

43 100

74 6.1 20.8 31.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30312-20190315

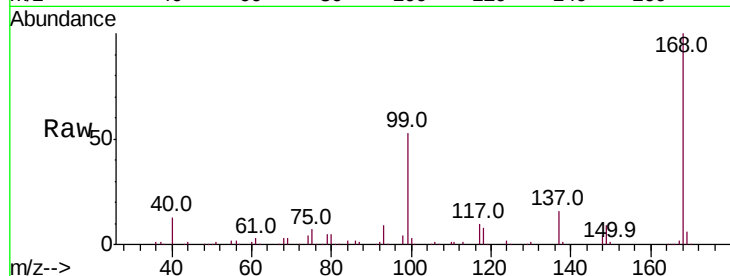
Tot Ion: 56 Resp: 8937

Ion Ratio Lower Upper

56 100

69 154.3 27.8 41.6#

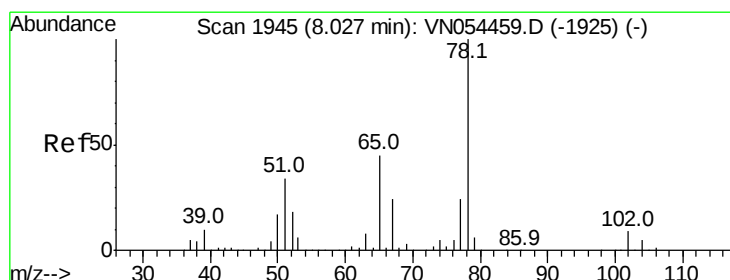
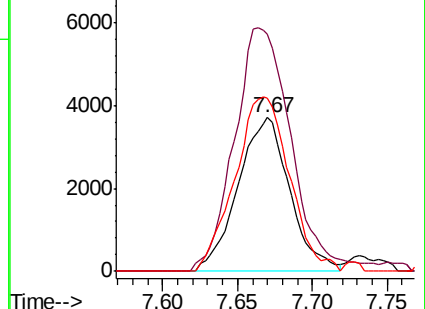
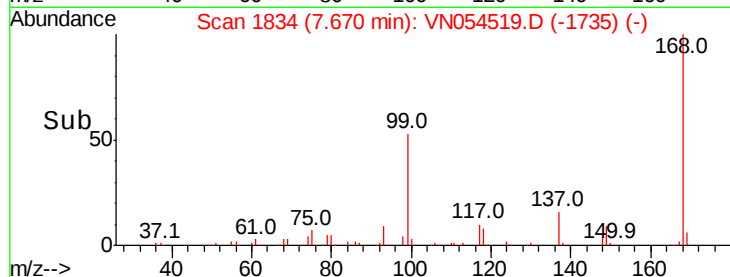
84 112.8 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN054459.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.461 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054519.D

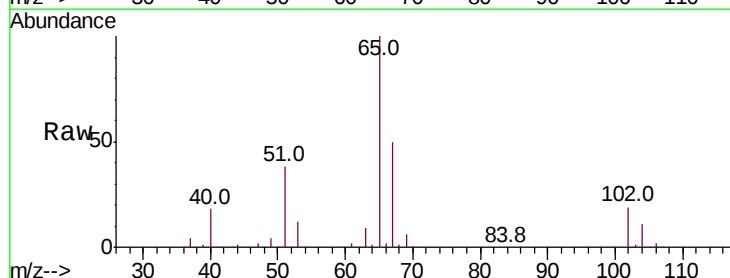
Acq: 21 Mar 2019 18:55

Tgt Ion: 65 Resp: 310666

Ion Ratio Lower Upper

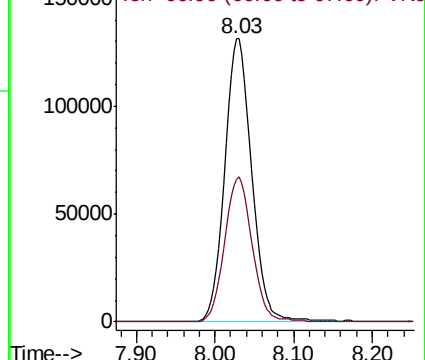
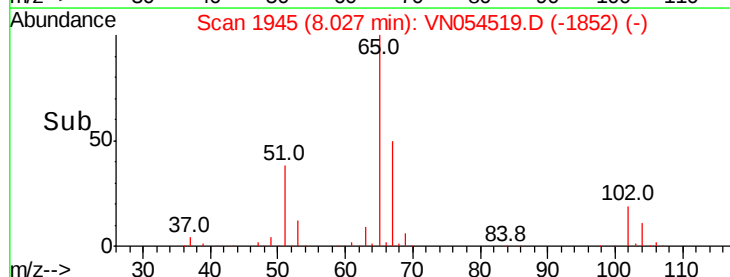
65 100

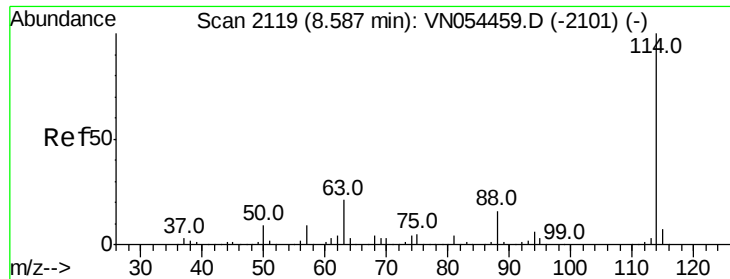
67 52.0 0.0 104.6



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

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

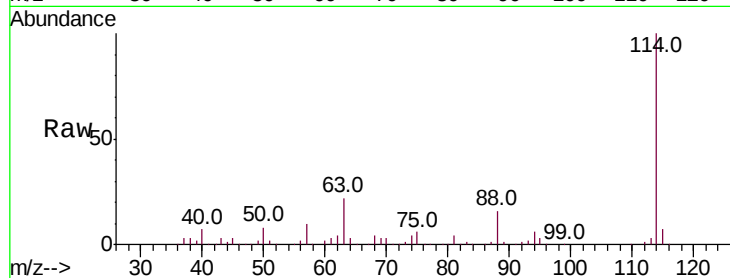




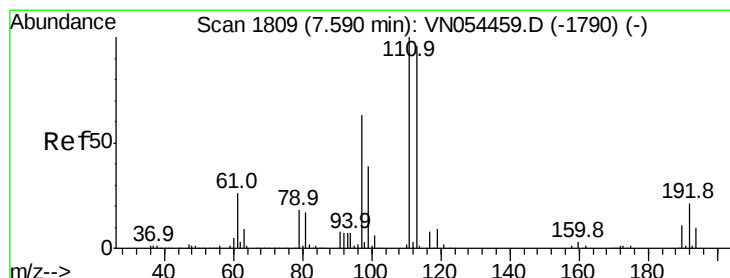
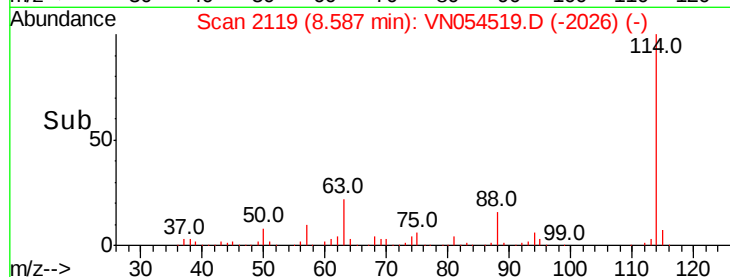
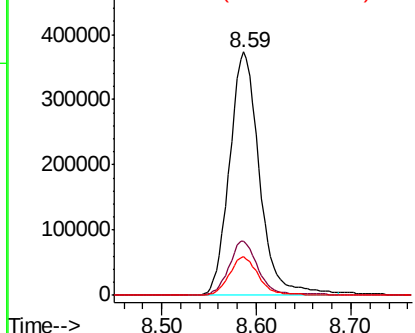
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054519.D
 Acq: 21 Mar 2019 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303I2-20190315

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	35.2
88	15.7	0.0	30.2

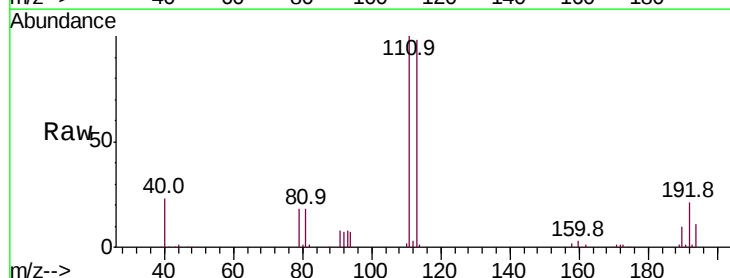


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

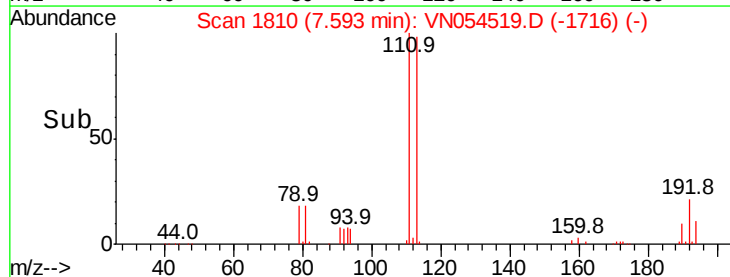
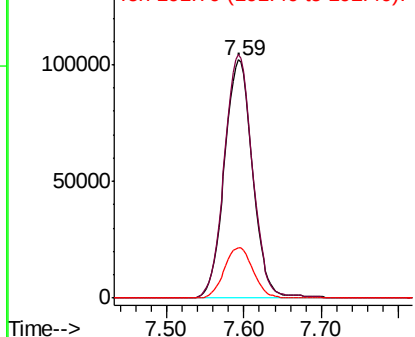


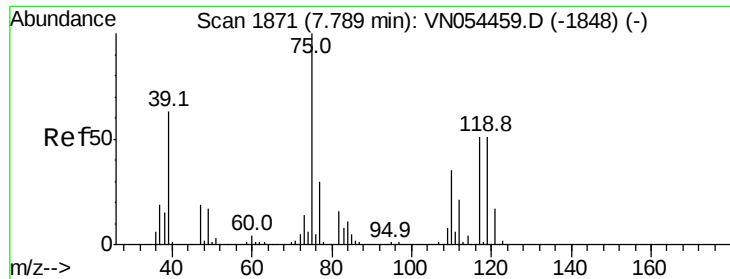
#35
 Dibromofluoromethane
 Concen: 48.695 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054519.D
 Acq: 21 Mar 2019 18:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	21.5	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

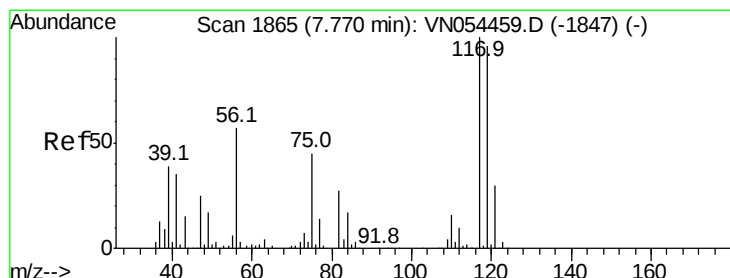
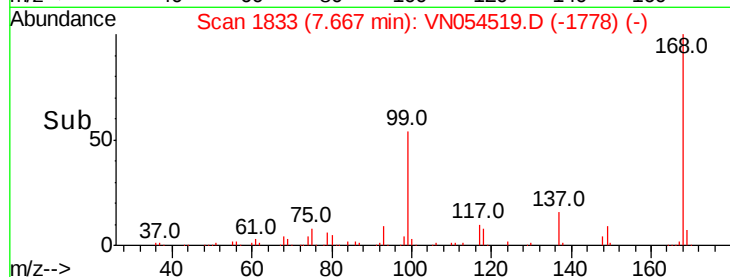
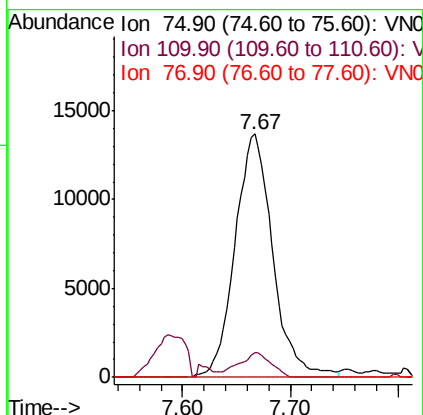
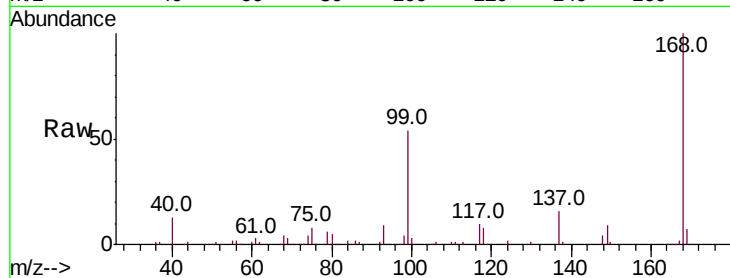




#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054519.D
 Acq: 21 Mar 2019 18:55

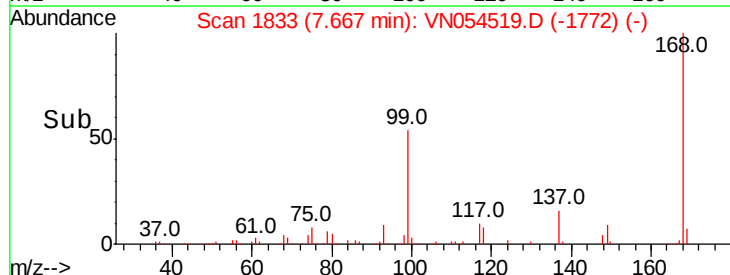
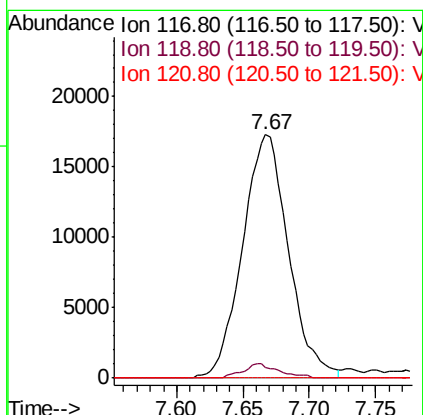
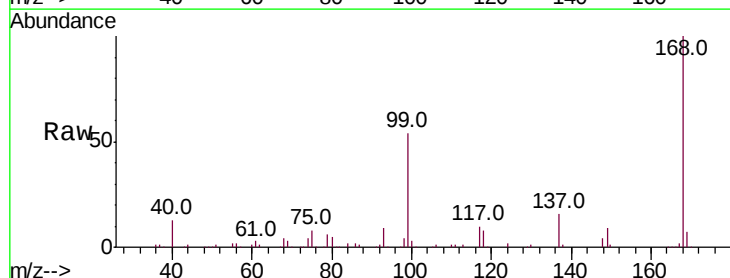
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303I2-20190315

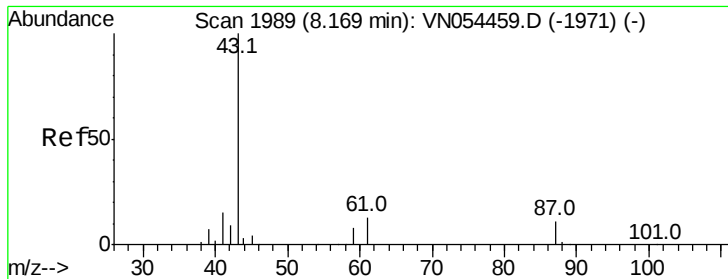
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.573 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054519.D
 Acq: 21 Mar 2019 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 0.459 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW303I2-20190315

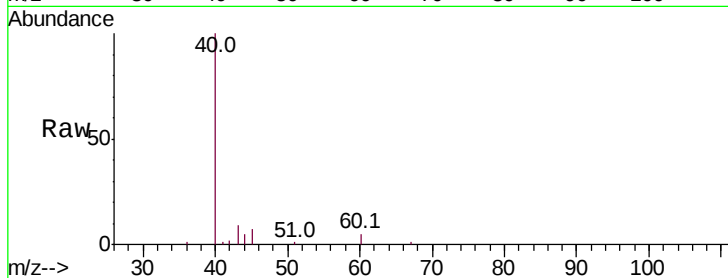
Tot Ion: 43 Resp: 4248

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

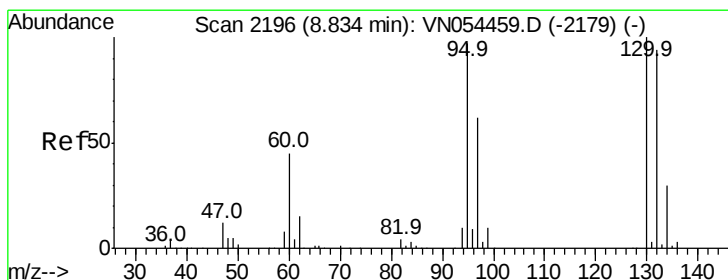
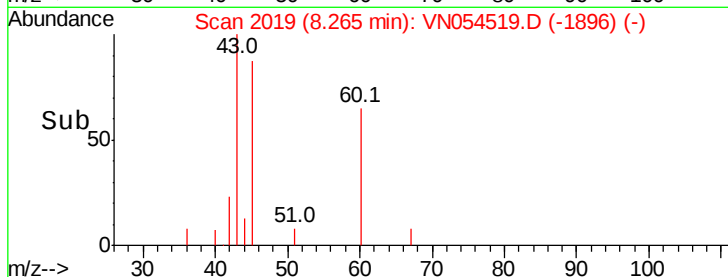
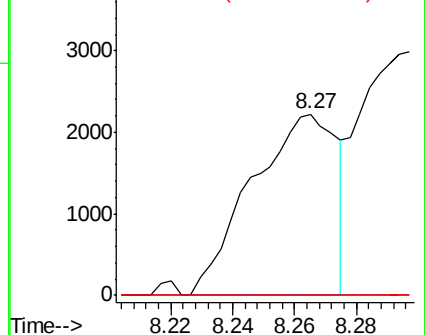
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 1.986 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054519.D

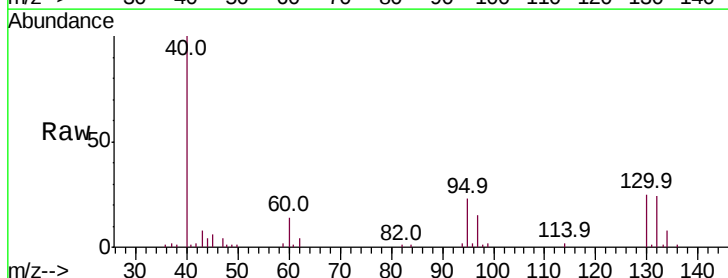
Acq: 21 Mar 2019 18:55

Tgt Ion:130 Resp: 12157

Ion Ratio Lower Upper

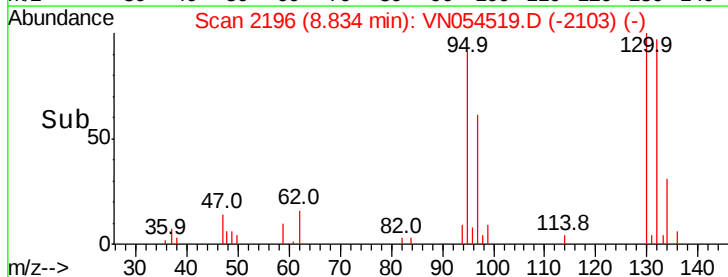
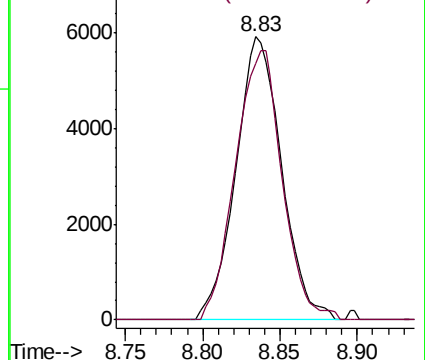
130 100

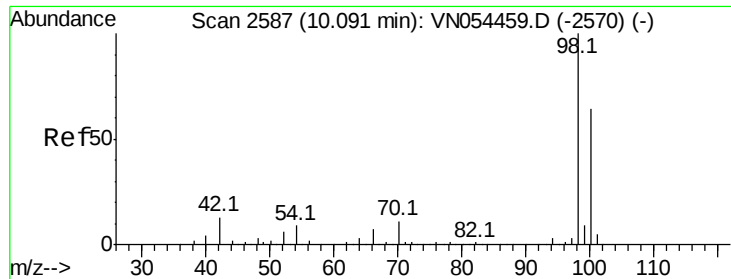
95 90.7 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 54.349 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

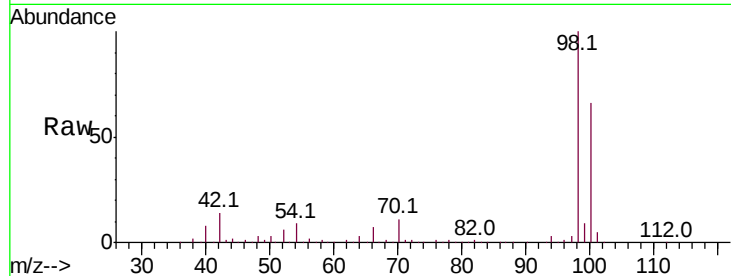
BPS1-TT-MW303I2-20190315

Tot Ion: 98 Resp: 1084230

Ion Ratio Lower Upper

98 100

100 65.0 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

500000

400000

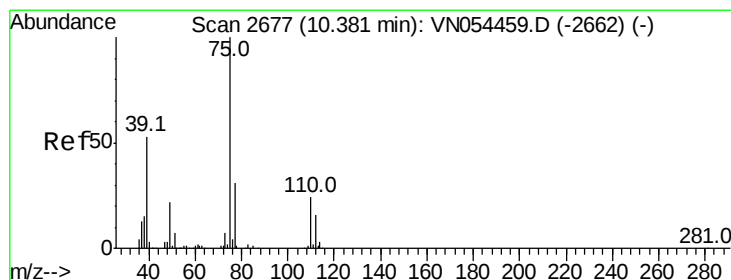
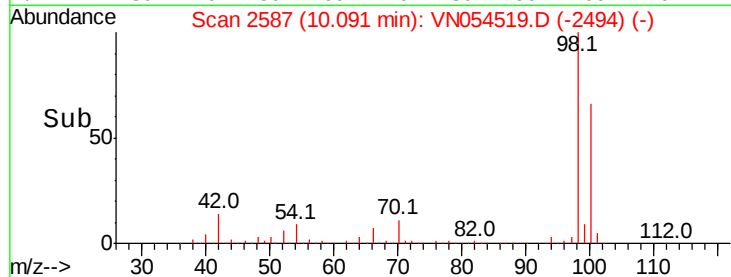
300000

200000

100000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.253 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.28 min

Lab File: VN054519.D

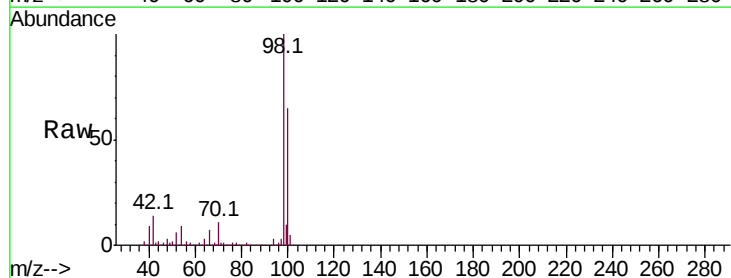
Acq: 21 Mar 2019 18:55

Tgt Ion: 75 Resp: 170

Ion Ratio Lower Upper

75 100

77 95.5 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) (-)

500

400

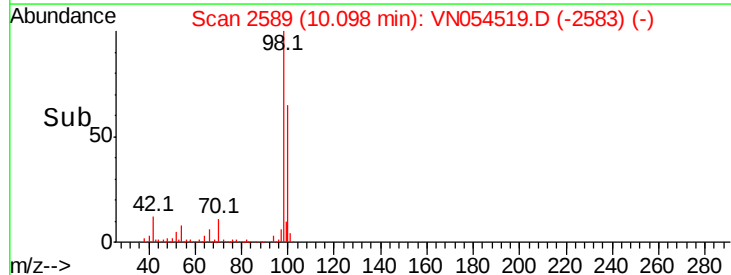
300

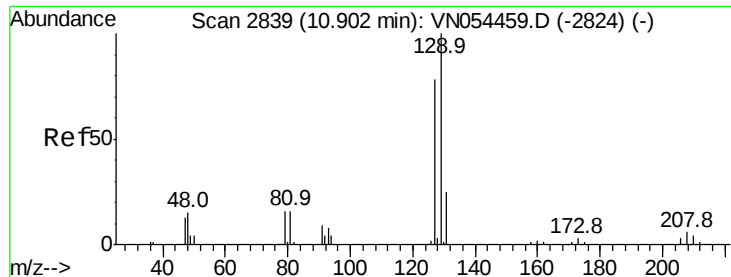
200

100

0

Time-->





#60

Dibromochloromethane

Concen: 0.340 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

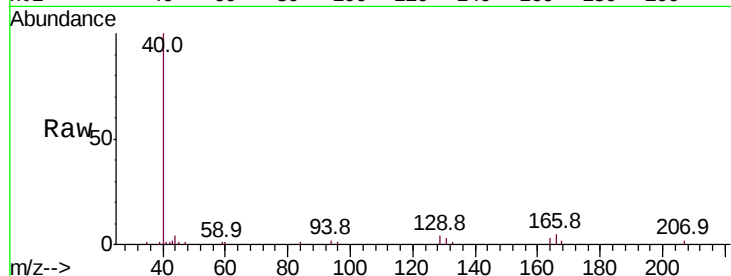
BPS1-TT-MW30312-20190315

Tot Ion:129 Resp: 1761

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

800

600

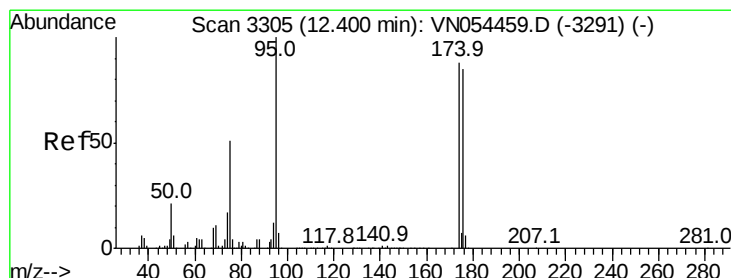
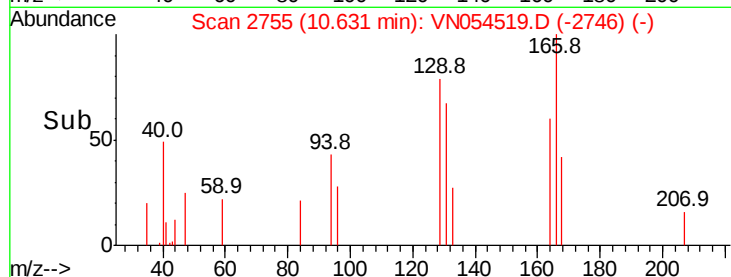
400

200

0

10.60 10.65

Time-->



#62

4-Bromofluorobenzene

Concen: 62.191 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

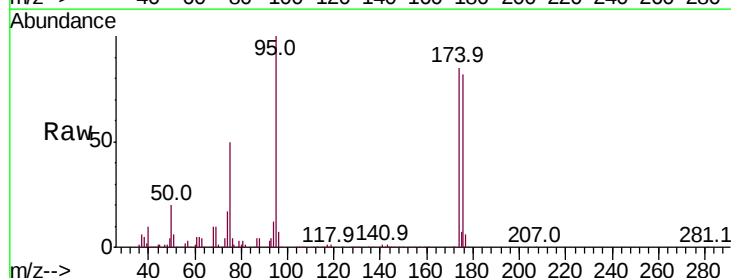
Tgt Ion: 95 Resp: 422178

Ion Ratio Lower Upper

95 100

174 84.7 0.0 191.0

176 81.5 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

150000

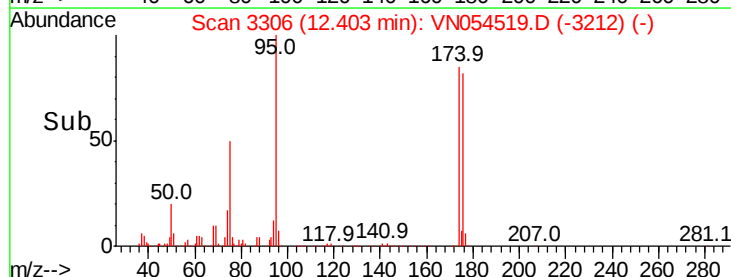
100000

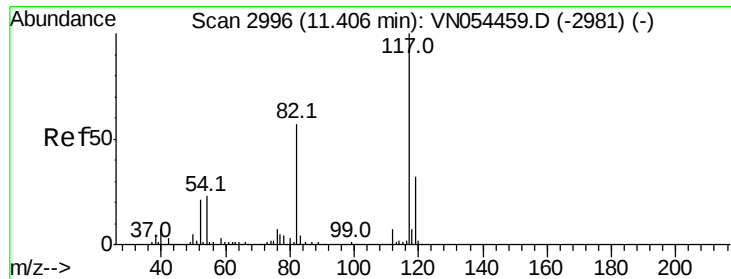
50000

0

12.30 12.40 12.50

Time-->

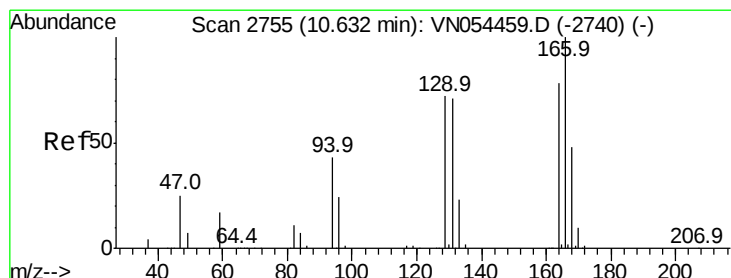
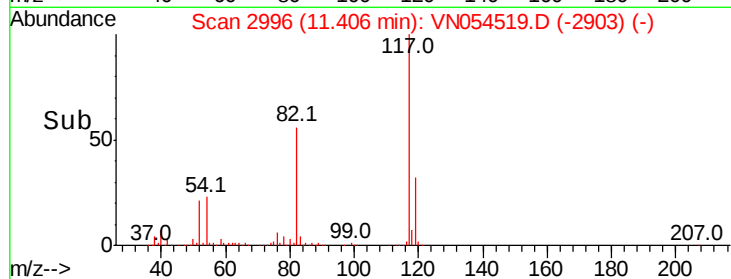
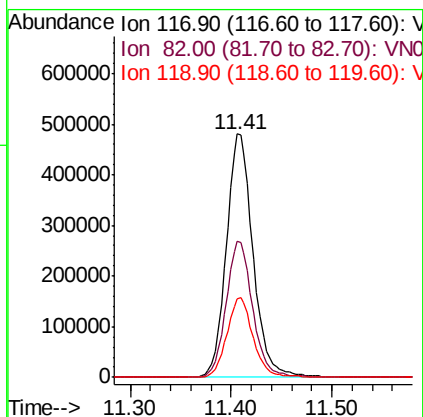
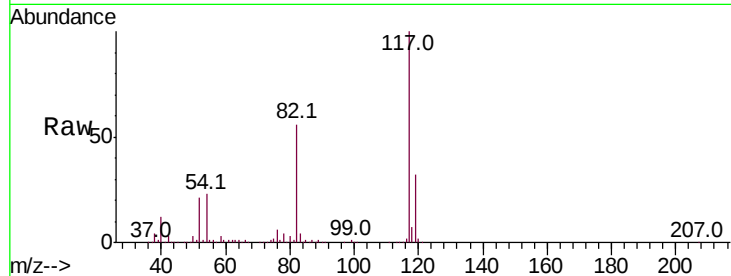




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054519.D
Acq: 21 Mar 2019 18:55

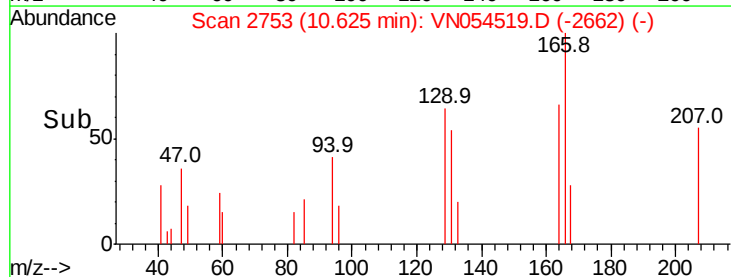
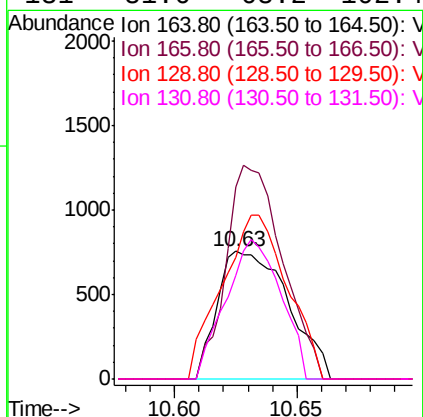
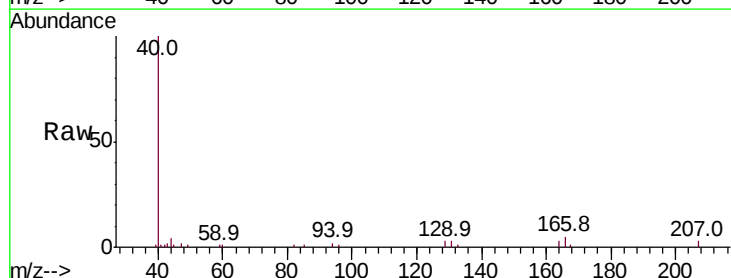
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW303I2-20190315

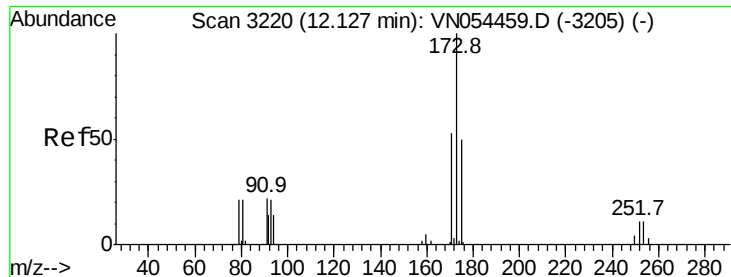
Tot Ion:117 Resp: 886335
Ion Ratio Lower Upper
117 100
82 55.7 40.0 60.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.01 min
Lab File: VN054519.D
Acq: 21 Mar 2019 18:55

Tgt Ion:164 Resp: 1519
Ion Ratio Lower Upper
164 100
166 150.7 103.9 155.9
129 95.9 71.1 106.7
131 81.6 68.2 102.4





#71

Bromoform

Concen: 2.547 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW303I2-20190315

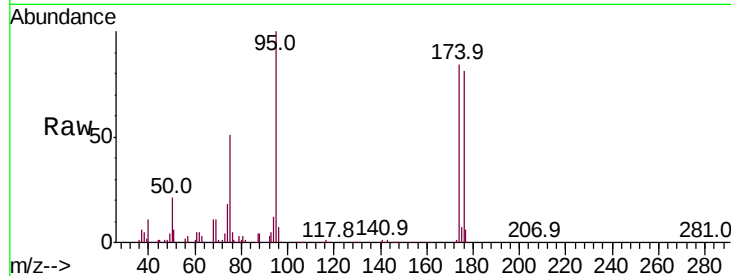
Tot Ion:173 Resp: 1524

Ion Ratio Lower Upper

173 100

175 1526.4 24.4 73.2#

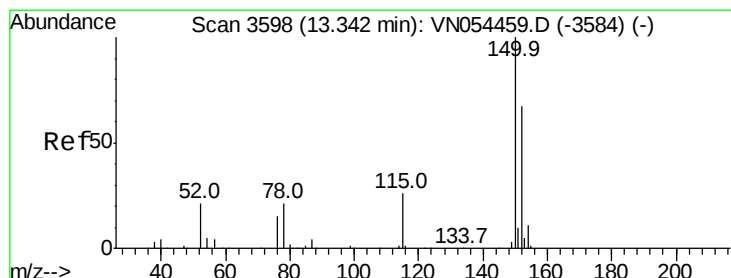
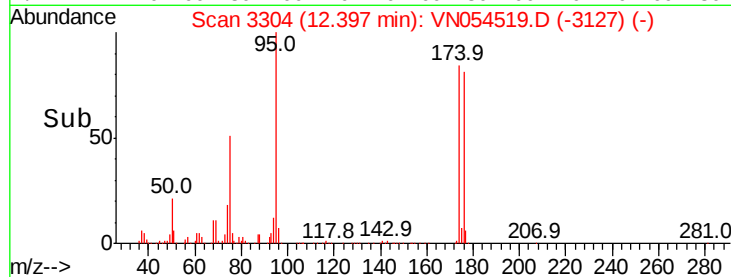
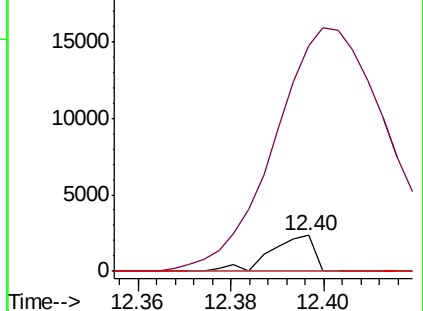
254 0.0 0.1 0.1#



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: VN054519.D

Acq: 21 Mar 2019 18:55

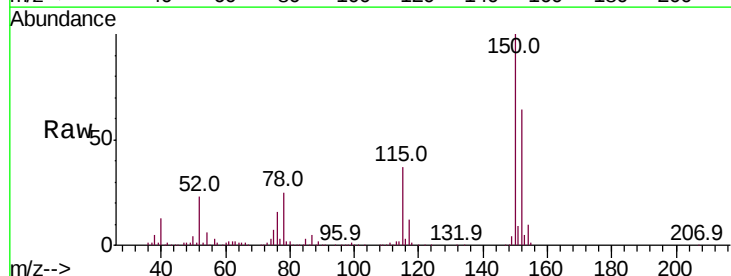
Tgt Ion:152 Resp: 338522

Ion Ratio Lower Upper

152 100

115 56.9 27.2 81.6

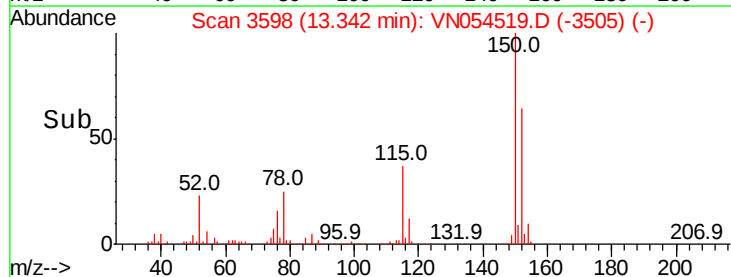
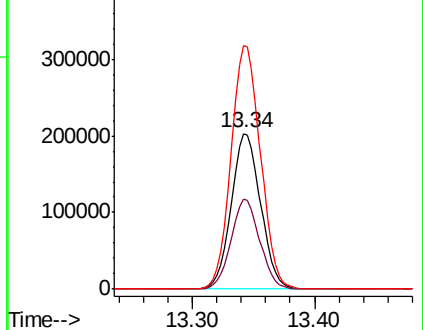
150 157.3 0.0 349.2

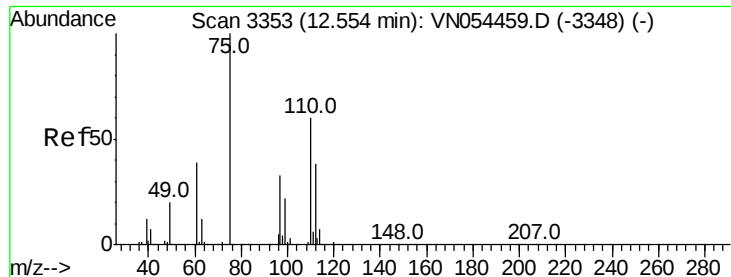


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.376 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

Instrument :

MSVOA_N

ClientSampleId :

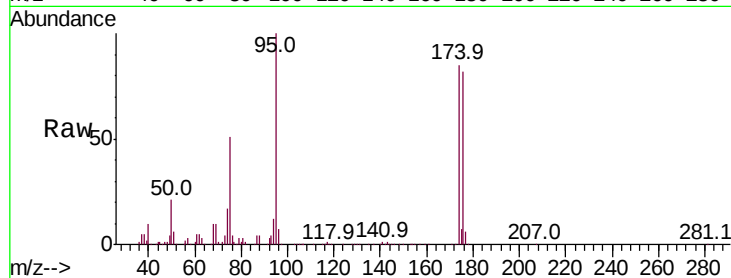
BPS1-TT-MW303I2-20190315

Tot Ion: 75 Resp: 211520

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

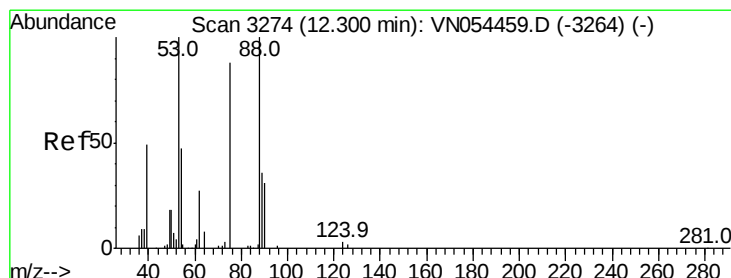
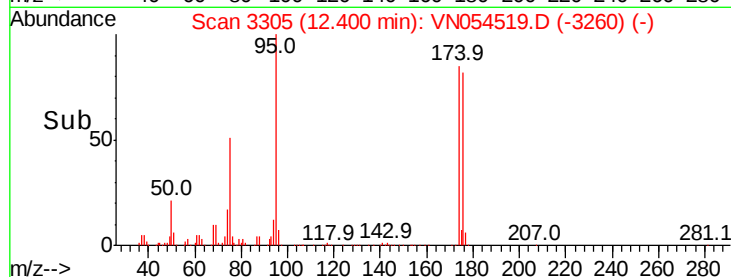
12.40

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 130.303 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054519.D

Acq: 21 Mar 2019 18:55

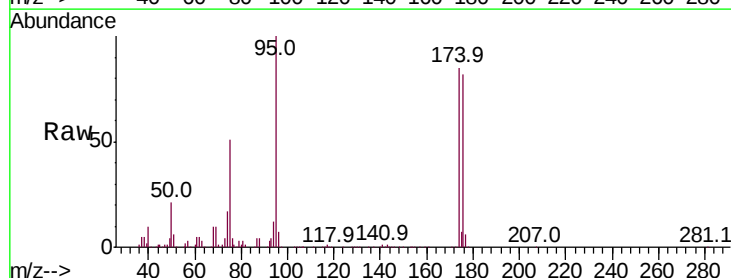
Tgt Ion: 75 Resp: 211520

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-->

