

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054522.D
 Acq On : 21 Mar 2019 20:17
 Operator : JC/SP
 Sample : K1965-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30212-20190315

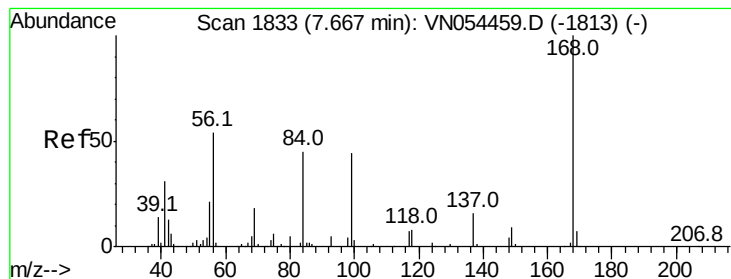
Quant Time: Mar 22 10:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	452225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	821369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	861465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	326013	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	304301	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
35) Dibromofluoromethane	7.59	113	258054	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	10.09	98	1058151	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.40	95	399077	58.95	ug/l	0.00
Spiked Amount			Recovery	=	117.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1293	0.307	ug/l #	60
12) 1,1-Dichloroethene	3.73	96	1158	0.265	ug/l	90
13) Acrolein	3.60	56	96	0.204	ug/l #	1
16) Acetone	3.82	43	4363	2.580	ug/l #	75
18) Methyl Acetate	4.33	43	766	0.203	ug/l #	66
20) Methylene Chloride	4.54	84	1104	0.221	ug/l #	62
31) Cyclohexane	7.67	56	8925	Below Cal	#	13
36) 1,1-Dichloropropene	7.67	75	32777	4.268	ug/l #	49
38) Carbon Tetrachloride	7.66	117	39999	5.360	ug/l #	15
44) Trichloroethene	8.84	130	17358	2.843	ug/l	98
53) t-1,3-Dichloropropene	10.09	75	109	2.246	ug/l #	65
64) Tetrachloroethene	10.63	164	1845	0.258	ug/l	90
71) Bromoform	12.39	173	309	2.289	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	205131	39.652	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	205131	131.194	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

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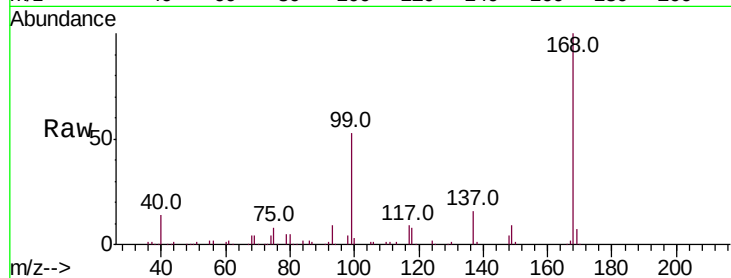
BPS1-TT-MW30212-20190315

Tot Ion:168 Resp: 452225

Ion Ratio Lower Upper

168 100

99 53.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

200000

150000

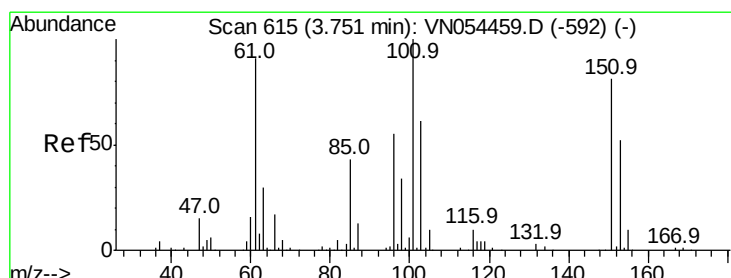
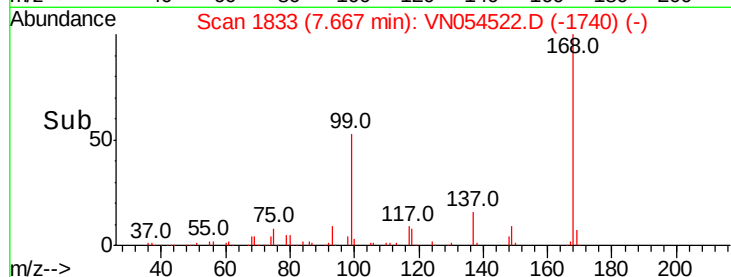
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.307 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

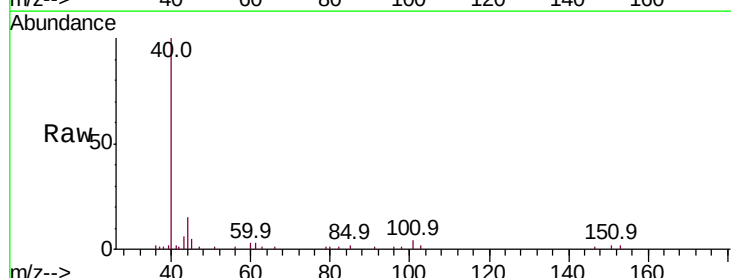
Tgt Ion:101 Resp: 1293

Ion Ratio Lower Upper

101 100

85 85.4 32.4 48.6#

151 107.7 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

1000

800

600

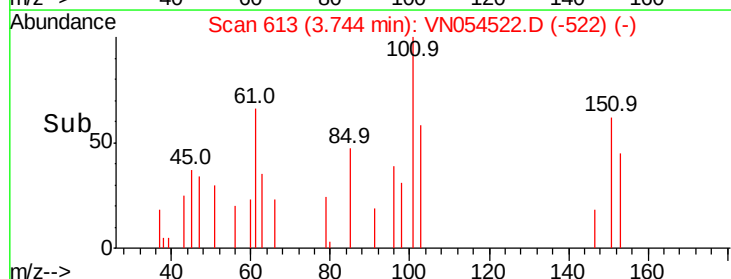
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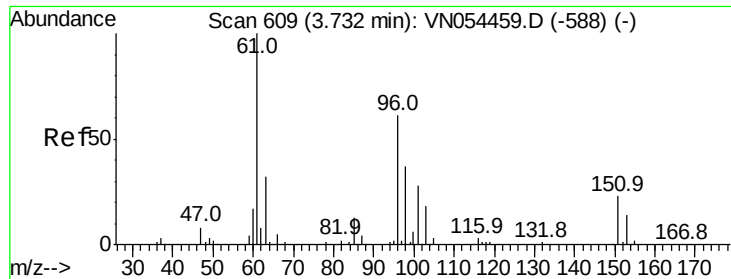
200

0

3.70 3.72 3.74 3.76

Time-->

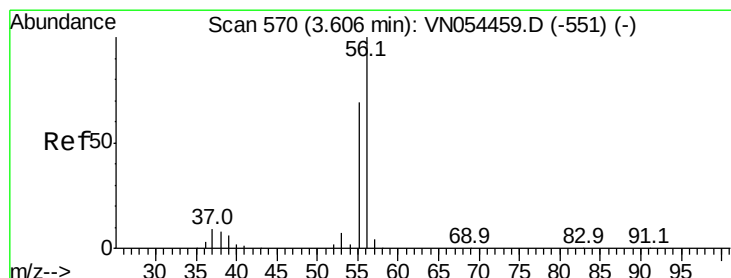
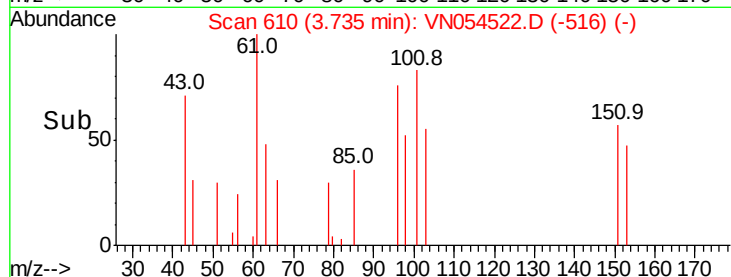
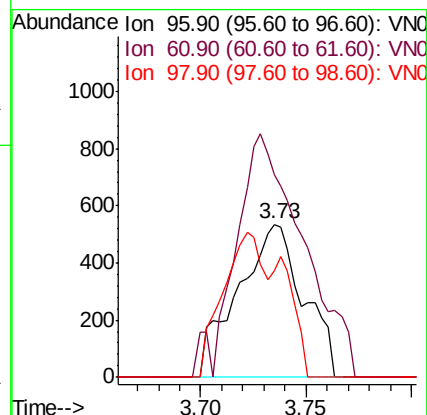
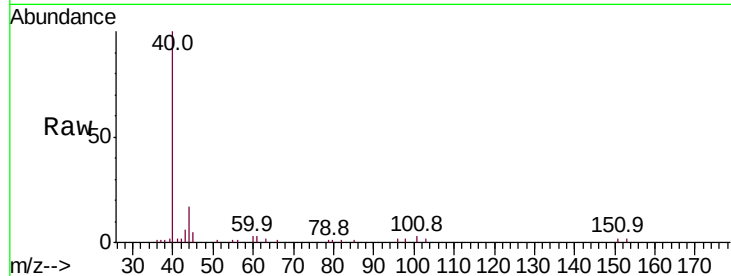




#12
1,1-Dichloroethene
Concen: 0.265 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN054522.D
Acq: 21 Mar 2019 20:17

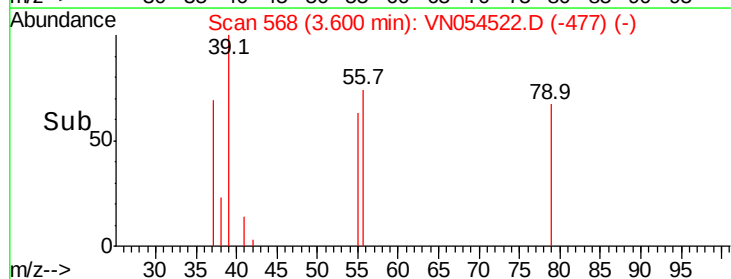
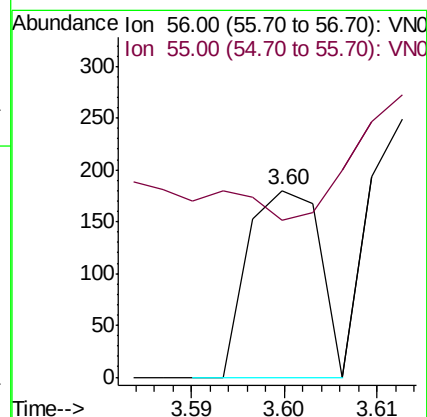
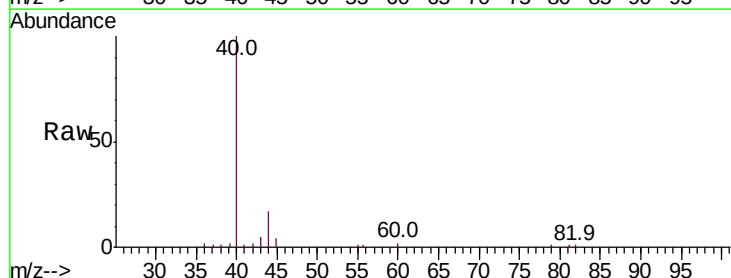
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30212-20190315

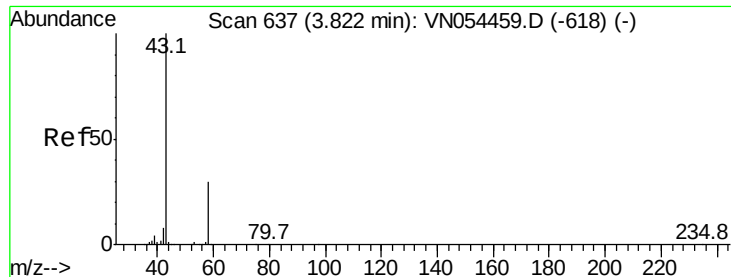
Tot Ion: 96 Resp: 1158
Ion Ratio Lower Upper
96 100
61 132.1 116.5 174.7
98 69.3 51.0 76.4



#13
Acrolein
Concen: 0.204 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.01 min
Lab File: VN054522.D
Acq: 21 Mar 2019 20:17

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 242.7 56.7 85.1#





#16

Acetone

Concen: 2.580 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

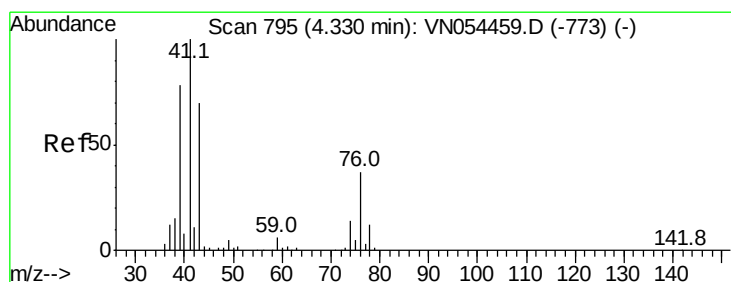
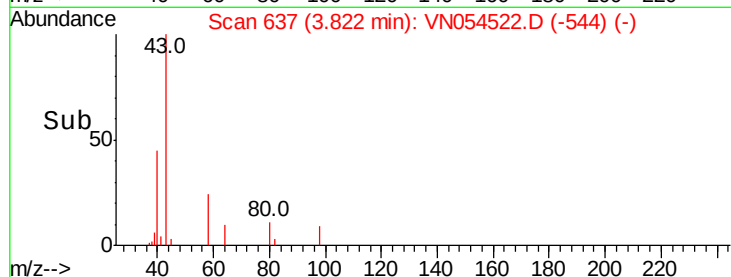
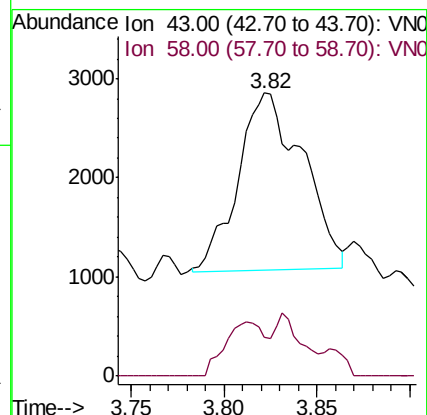
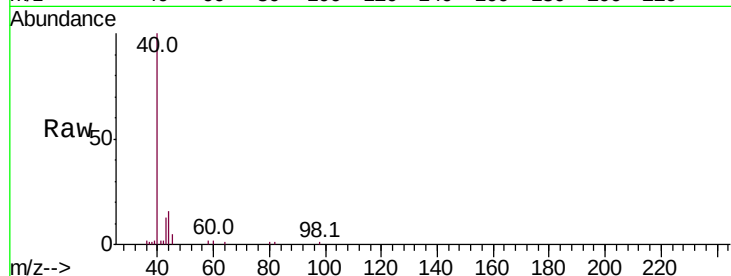
BPS1-TT-MW30212-20190315

Tot Ion: 43 Resp: 4363

Ion Ratio Lower Upper

43 100

58 22.5 29.9 44.9#



#18

Methyl Acetate

Concen: 0.203 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054522.D

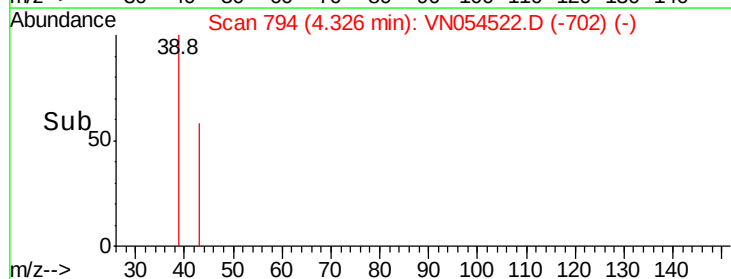
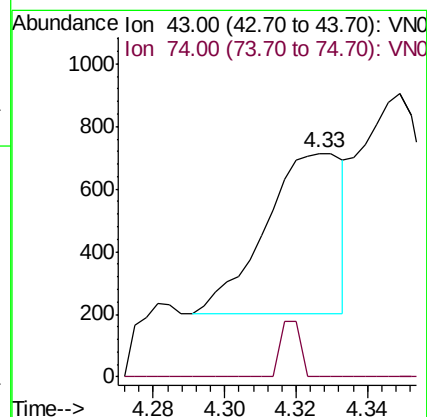
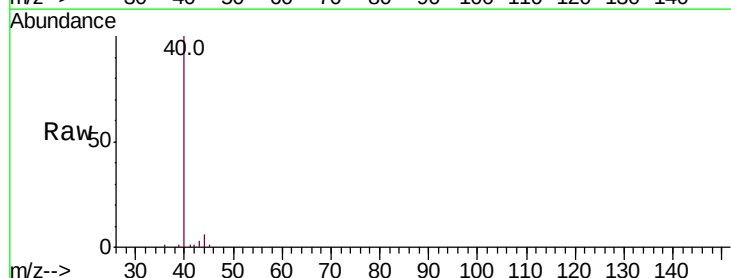
Acq: 21 Mar 2019 20:17

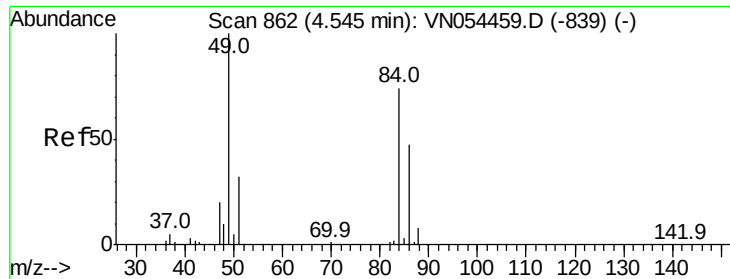
Tgt Ion: 43 Resp: 766

Ion Ratio Lower Upper

43 100

74 8.9 20.8 31.2#

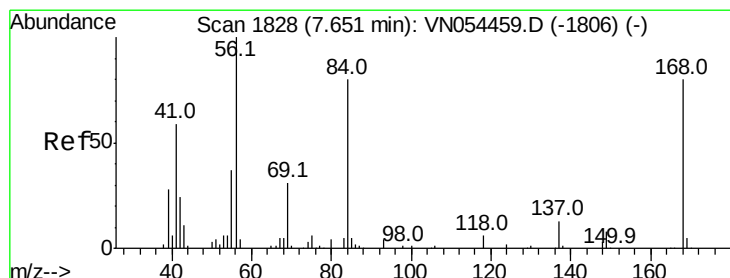
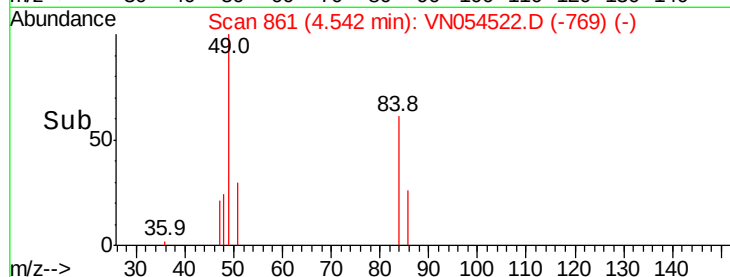
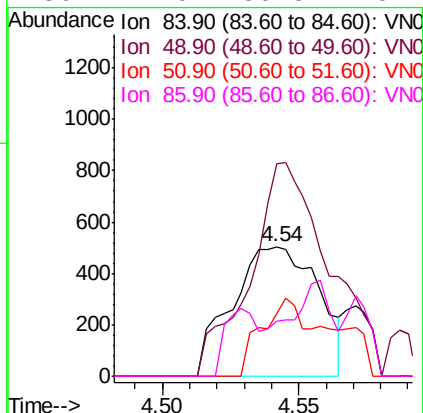
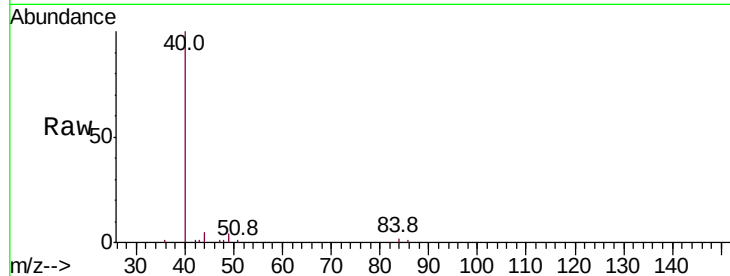




#20
Methvlene Chloride
Concen: 0.221 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054522.D
Acq: 21 Mar 2019 20:17

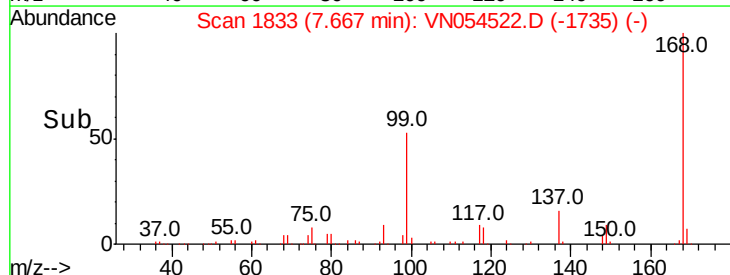
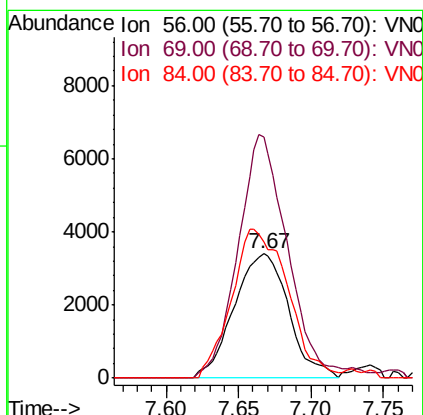
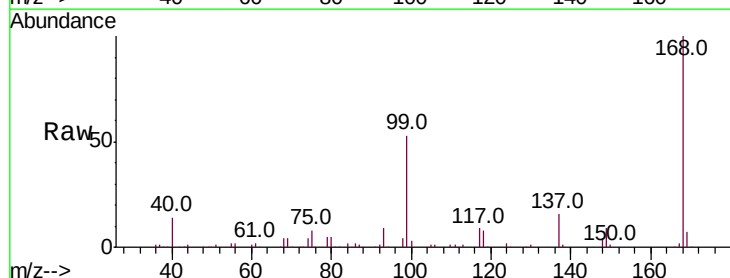
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30212-20190315

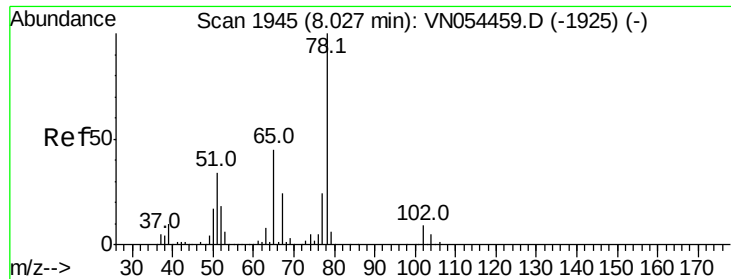
Tot Ion:	84	Resp:	1104
Ion	Ratio	Lower	Upper
84	100		
49	163.6	89.7	134.5#
51	48.3	28.2	42.4#
86	42.0	50.8	76.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054522.D
Acq: 21 Mar 2019 20:17

Tgt Ion:	56	Resp:	8925
Ion	Ratio	Lower	Upper
56	100		
69	193.6	27.8	41.6#
84	109.5	74.6	111.8





#33

1,2-Dichloroethane-d4

Concen: 54.098 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

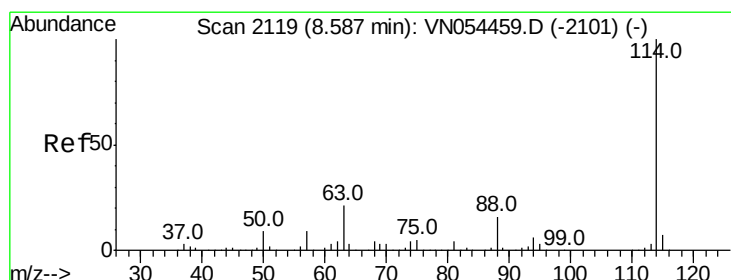
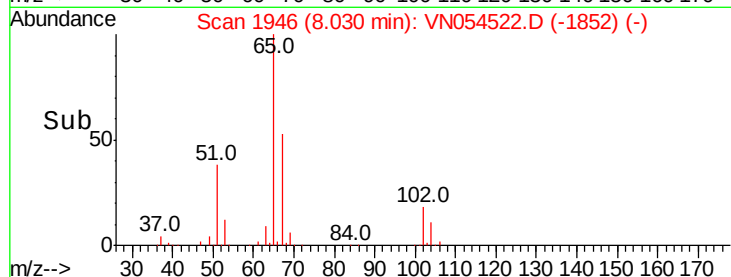
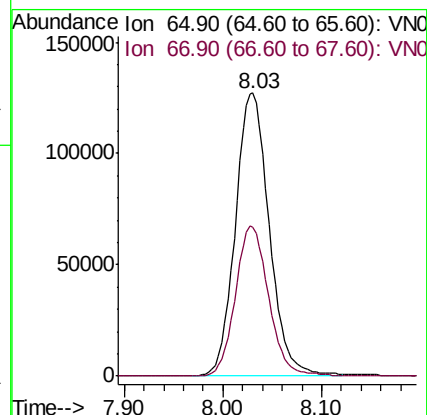
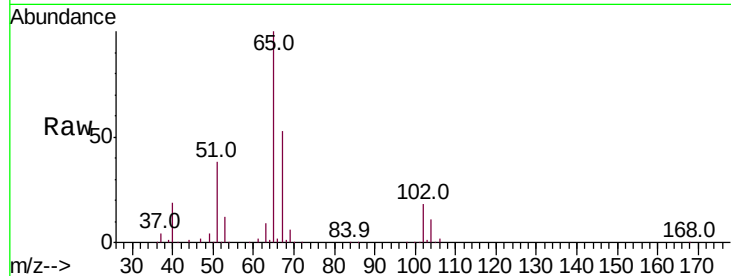
BPS1-TT-MW30212-20190315

Tot Ion: 65 Resp: 304301

Ion Ratio Lower Upper

65 100

67 52.0 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: VN054522.D

Acq: 21 Mar 2019 20:17

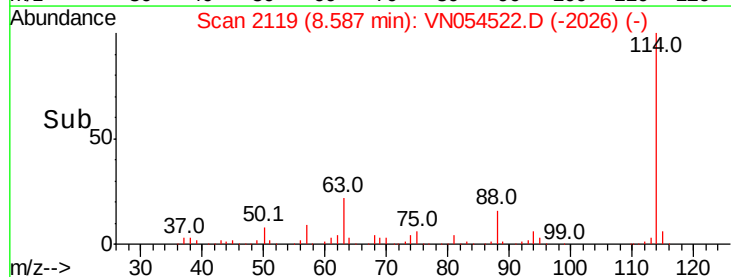
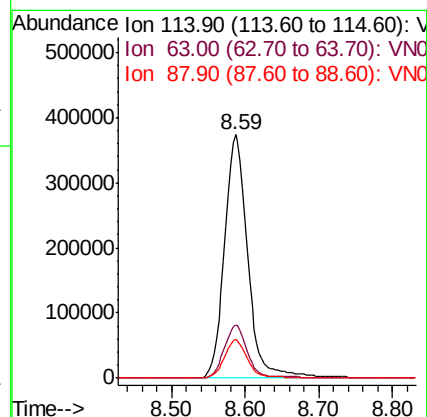
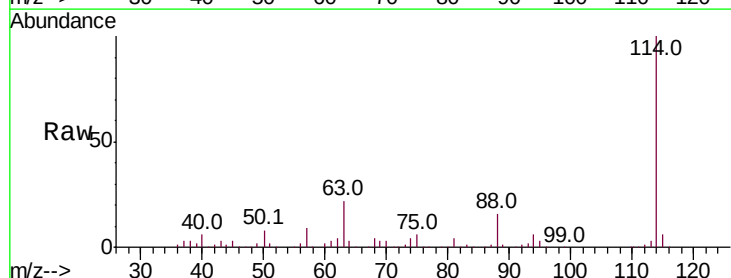
Tgt Ion: 114 Resp: 821369

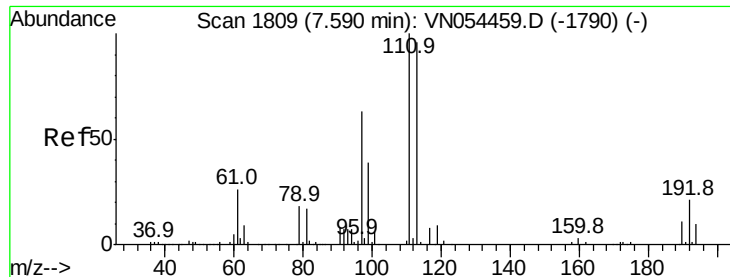
Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

88 16.1 0.0 30.2

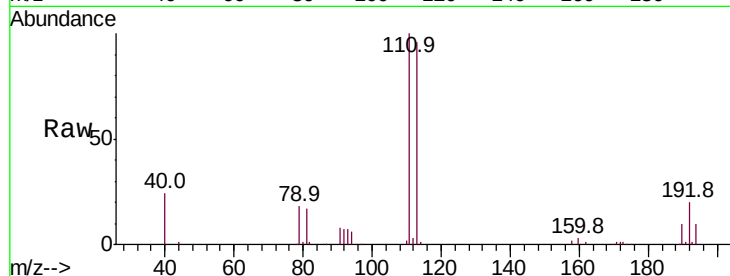




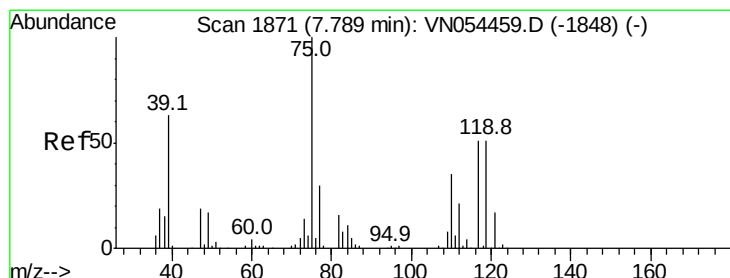
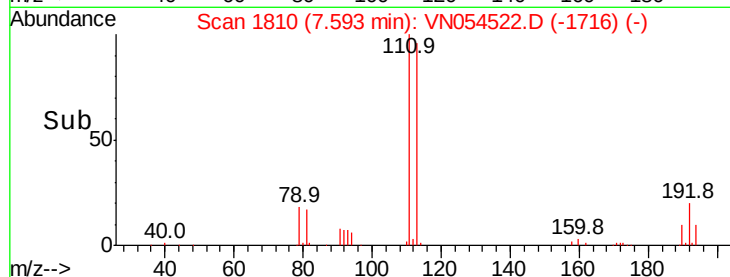
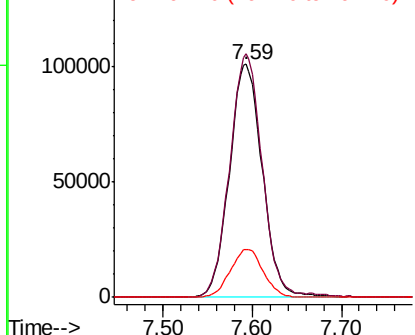
#35
 Dibromofluoromethane
 Concen: 48.766 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054522.D
 Acq: 21 Mar 2019 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30212-20190315

Tot Ion:113 Resp: 258054
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.4
 192 20.7 19.2 28.8

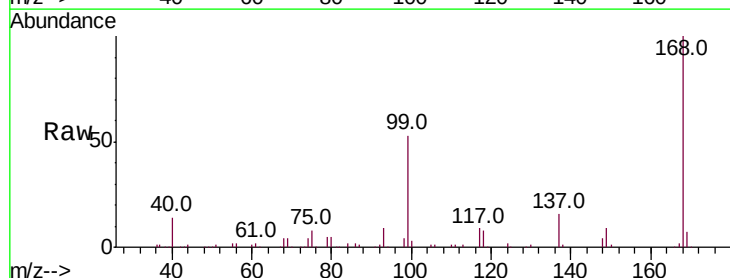


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

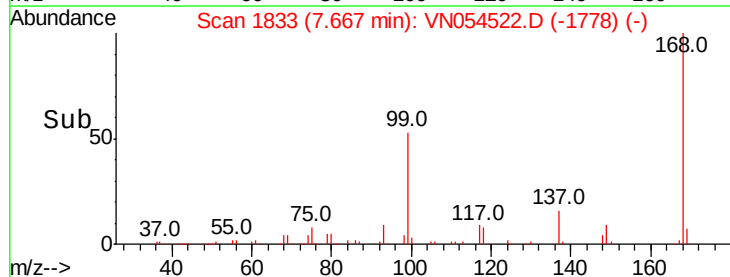
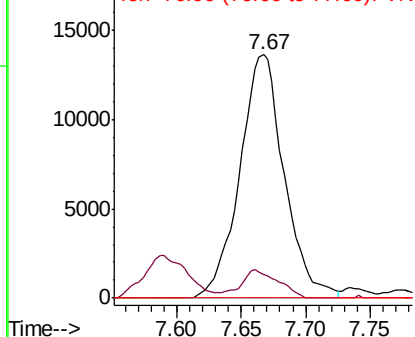


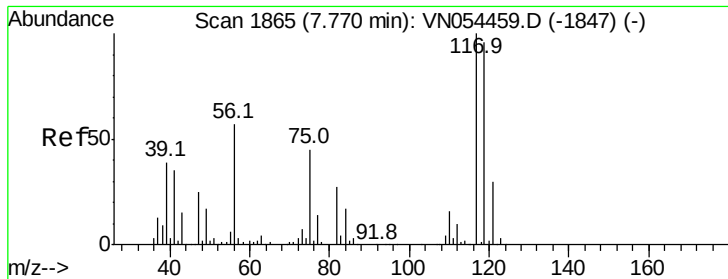
#36
 1,1-Dichloropropene
 Concen: 4.268 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054522.D
 Acq: 21 Mar 2019 20:17

Tgt Ion: 75 Resp: 32777
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.1 57.5#
 77 0.0 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: 5.360 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

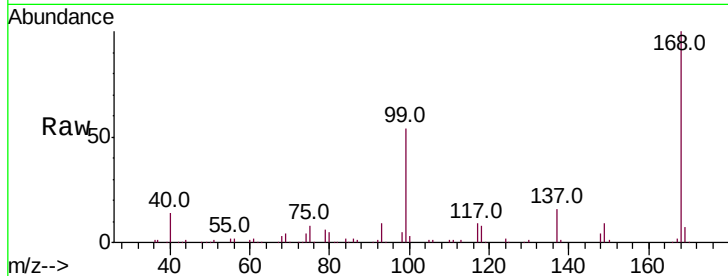
Tot Ion:117 Resp: 39999

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

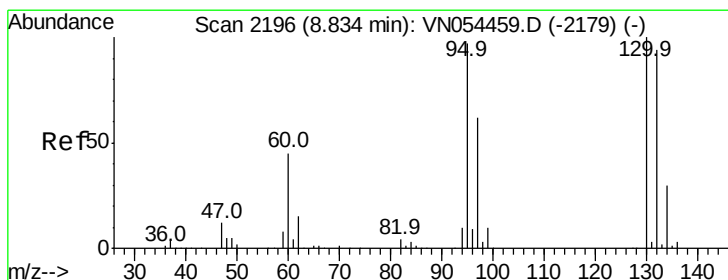
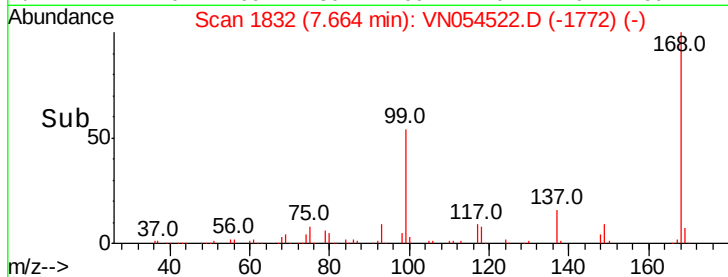
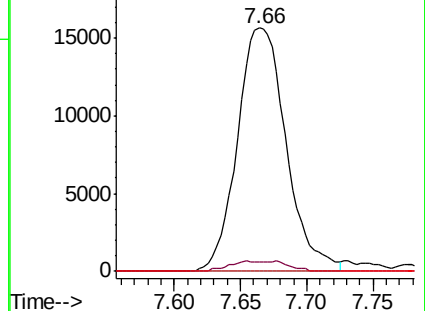
121 0.0 24.6 36.8#



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: 2.843 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054522.D

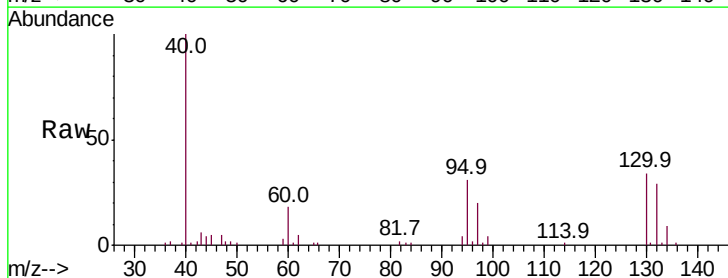
Acq: 21 Mar 2019 20:17

Tgt Ion:130 Resp: 17358

Ion Ratio Lower Upper

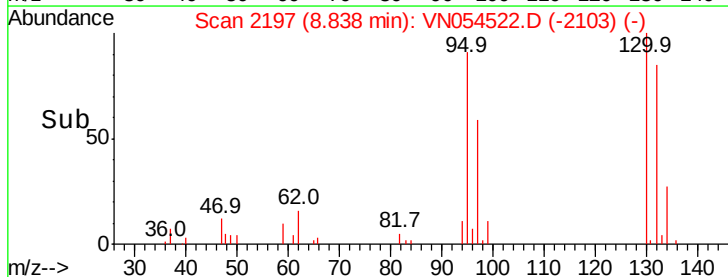
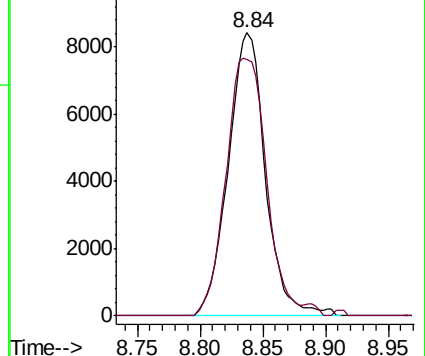
130 100

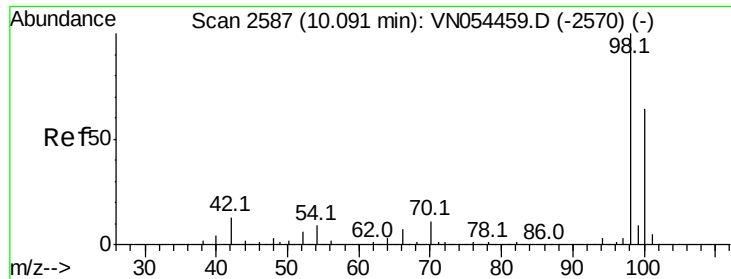
95 90.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

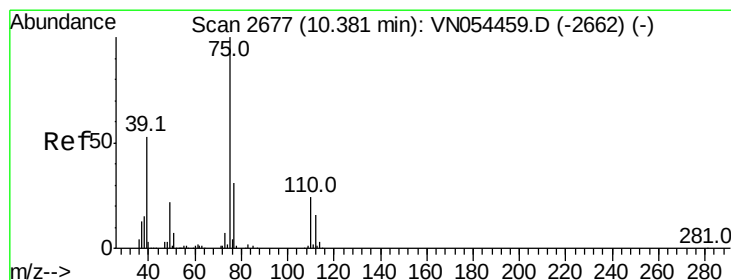
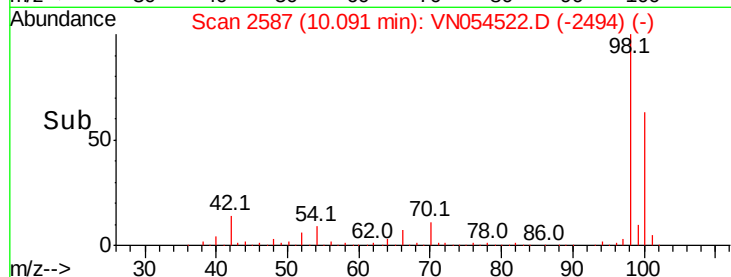
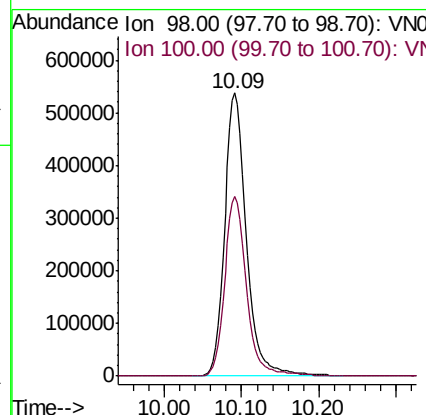
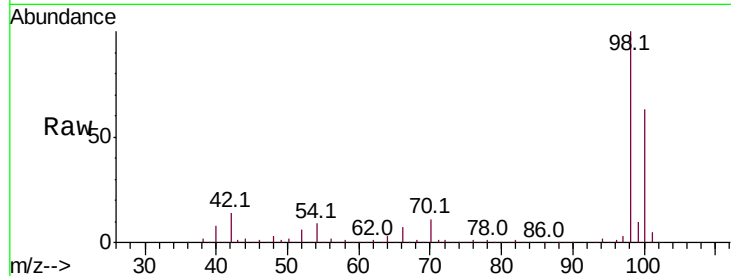




#50
Toluene-d8
Concen: 53.191 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054522.D
Acq: 21 Mar 2019 20:17

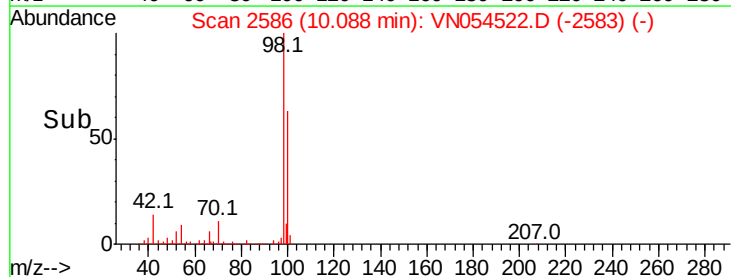
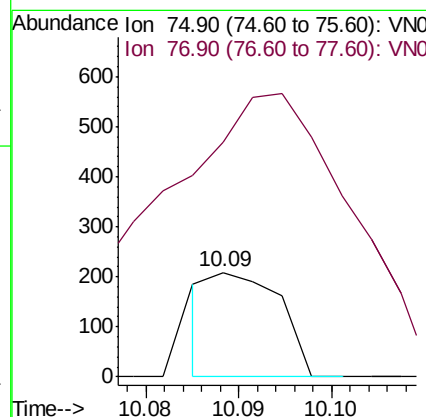
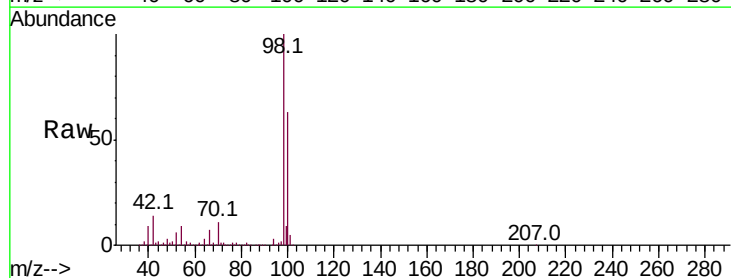
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30212-20190315

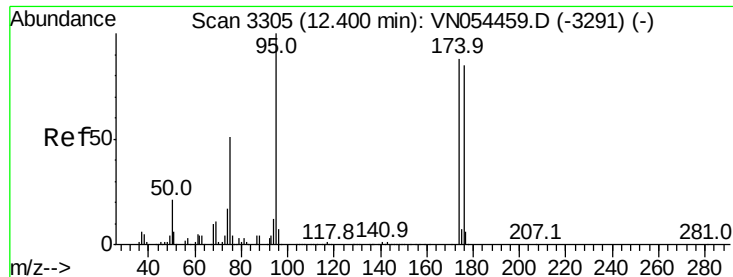
Tot Ion: 98 Resp: 1058151
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#53
t-1,3-Dichloropropene
Concen: 2.246 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.29 min
Lab File: VN054522.D
Acq: 21 Mar 2019 20:17

Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
77 51.7 25.8 38.8#





#62

4-Bromofluorobenzene

Concen: 58.953 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

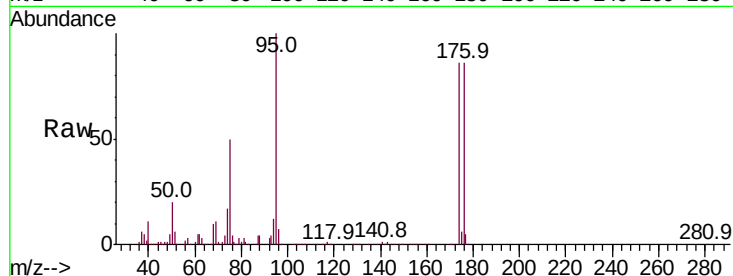
Tot Ion: 95 Resp: 399077

Ion Ratio Lower Upper

95 100

174 84.8 0.0 191.0

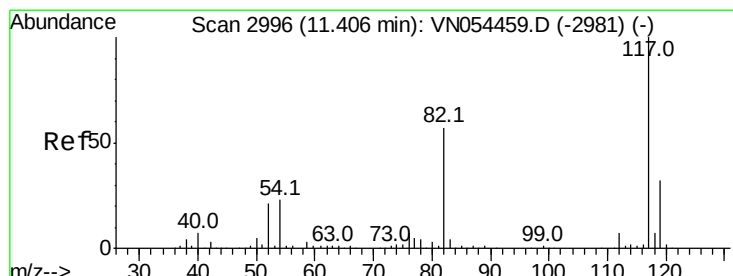
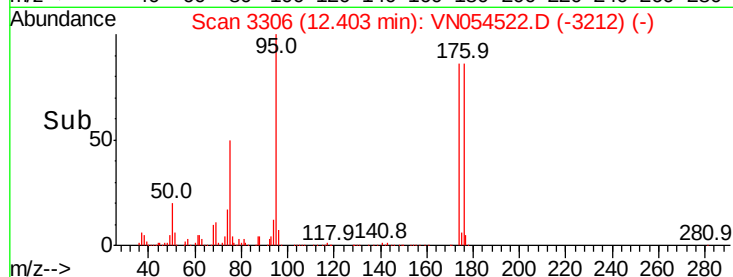
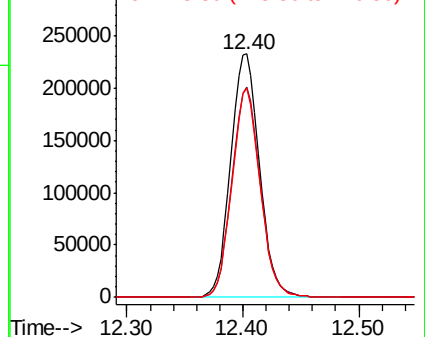
176 83.3 0.0 187.4



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# 2997

Delta R.T. 0.00 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

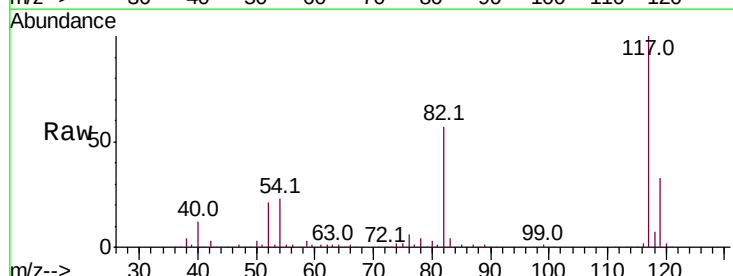
Tgt Ion: 117 Resp: 861465

Ion Ratio Lower Upper

117 100

82 56.5 40.0 60.0

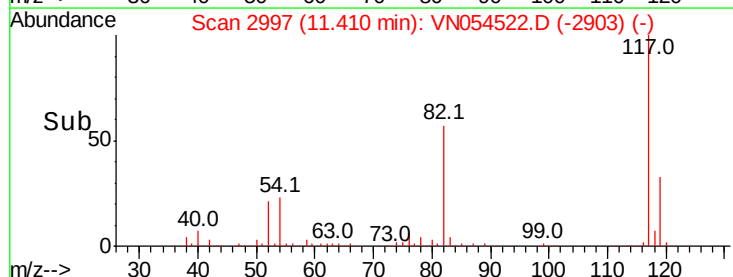
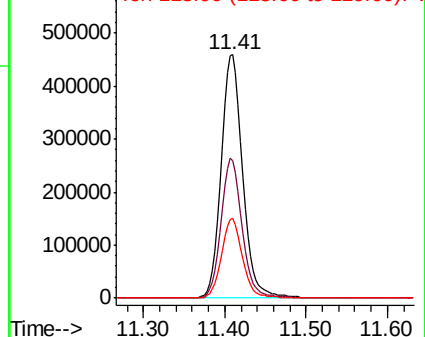
119 32.6 25.8 38.6

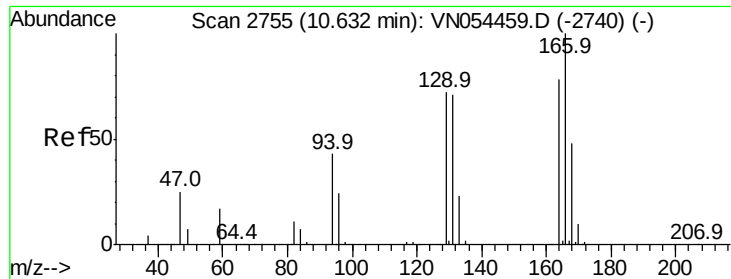


Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

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

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





#64

Tetrachloroethene

Concen: 0.258 ug/l

RT: 10.63 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

Tot Ion:164 Resp: 1845

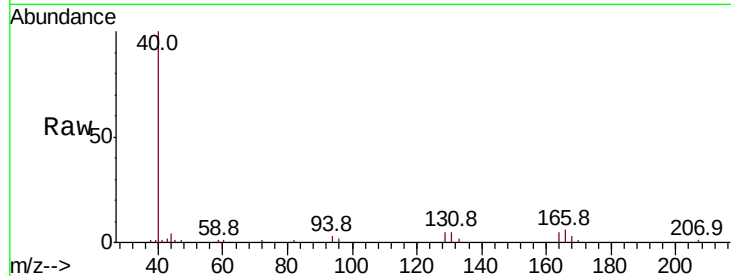
Ion Ratio Lower Upper

164 100

166 132.4 103.9 155.9

129 101.5 71.1 106.7

131 100.4 68.2 102.4

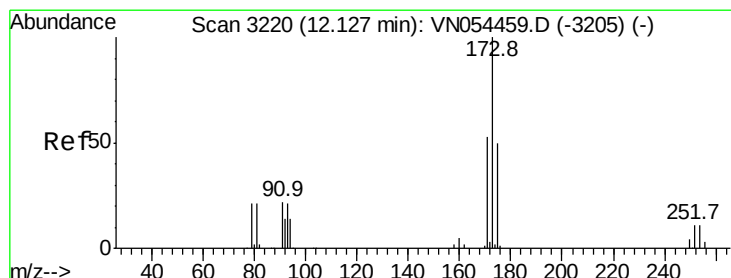
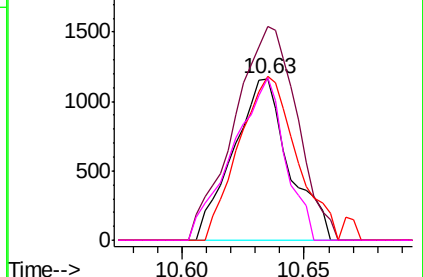
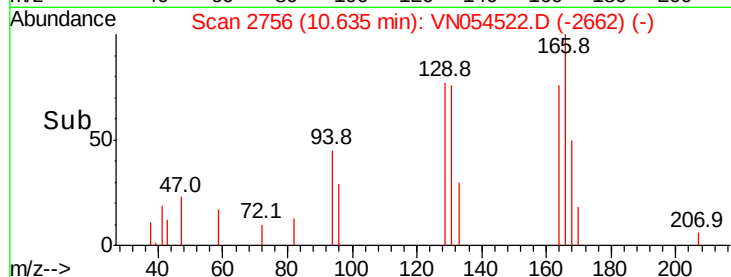


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 2.289 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

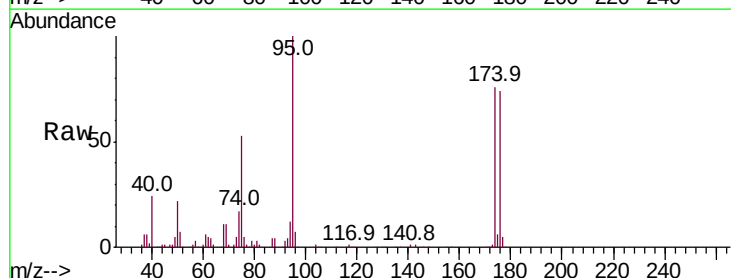
Tgt Ion:173 Resp: 309

Ion Ratio Lower Upper

173 100

175 6958.3 24.4 73.2#

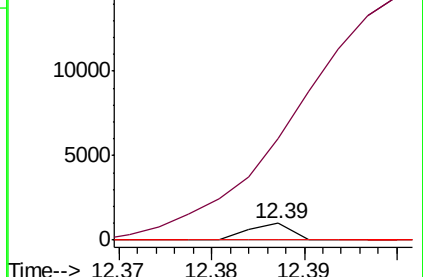
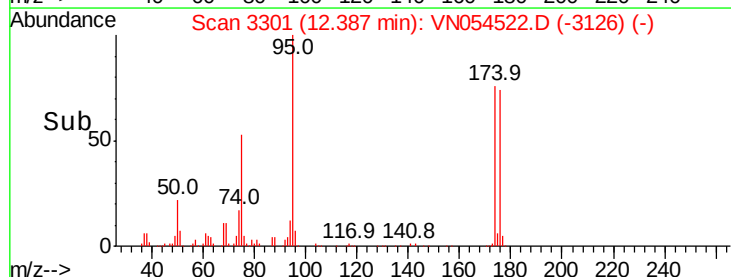
254 0.0 0.1 0.1#

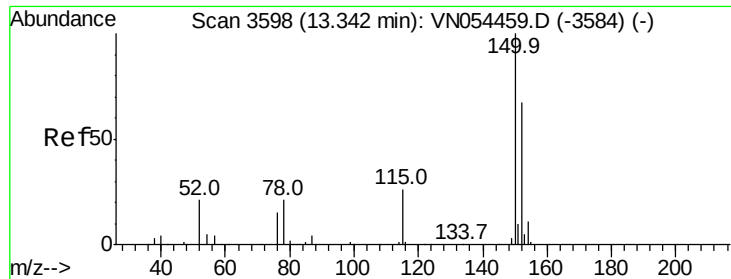


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

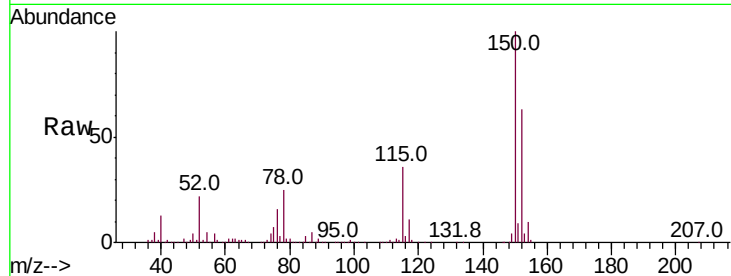
Tot Ion:152 Resp: 326013

Ion Ratio Lower Upper

152 100

115 57.0 27.2 81.6

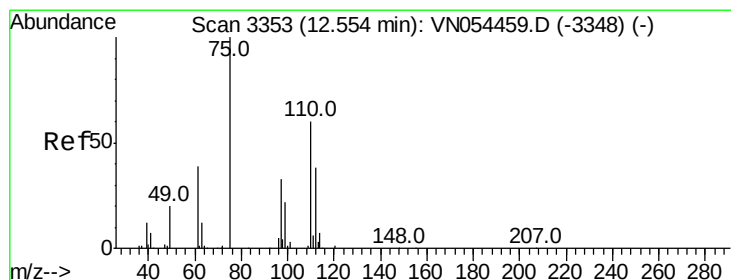
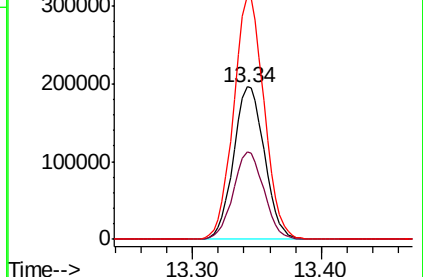
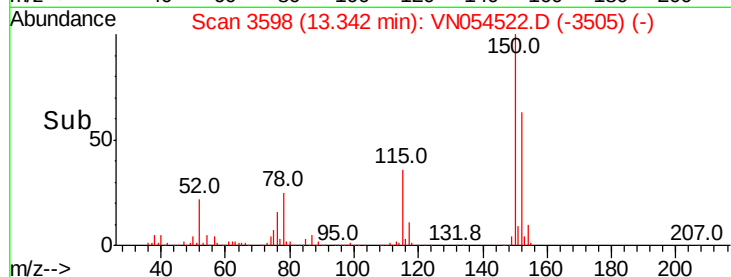
150 157.2 0.0 349.2



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: 39.652 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054522.D

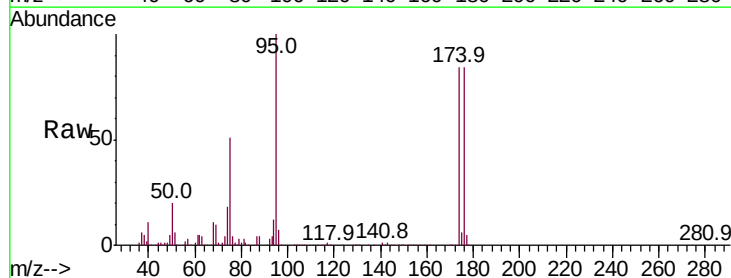
Acq: 21 Mar 2019 20:17

Tgt Ion: 75 Resp: 205131

Ion Ratio Lower Upper

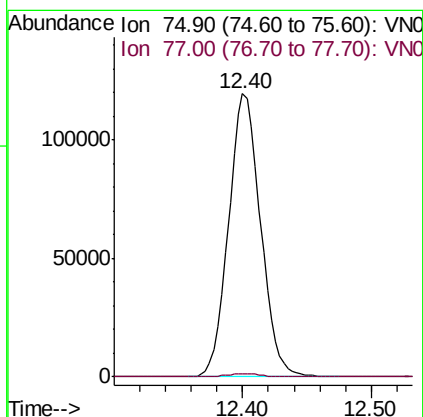
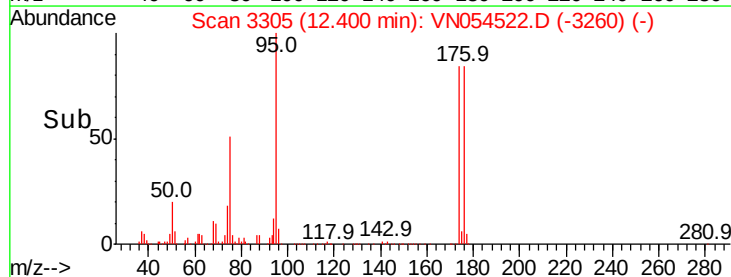
75 100

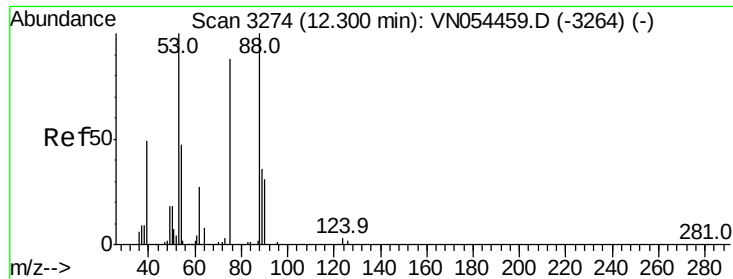
77 1.2 0.0 0.0#



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: 131.194 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054522.D

Acq: 21 Mar 2019 20:17

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30212-20190315

Tot Ion: 75 Resp: 205131

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

