

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054514.D
 Acq On : 21 Mar 2019 16:37
 Operator : JC/SP
 Sample : K1965-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311I-20190314

Quant Time: Mar 22 10:15:38 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	743451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1118706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311557	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	438775	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	7.59	113	353198	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.09	98	1309458	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	12.40	95	385370	41.80	ug/l	0.00
Spiked Amount			Recovery	=	83.60%	

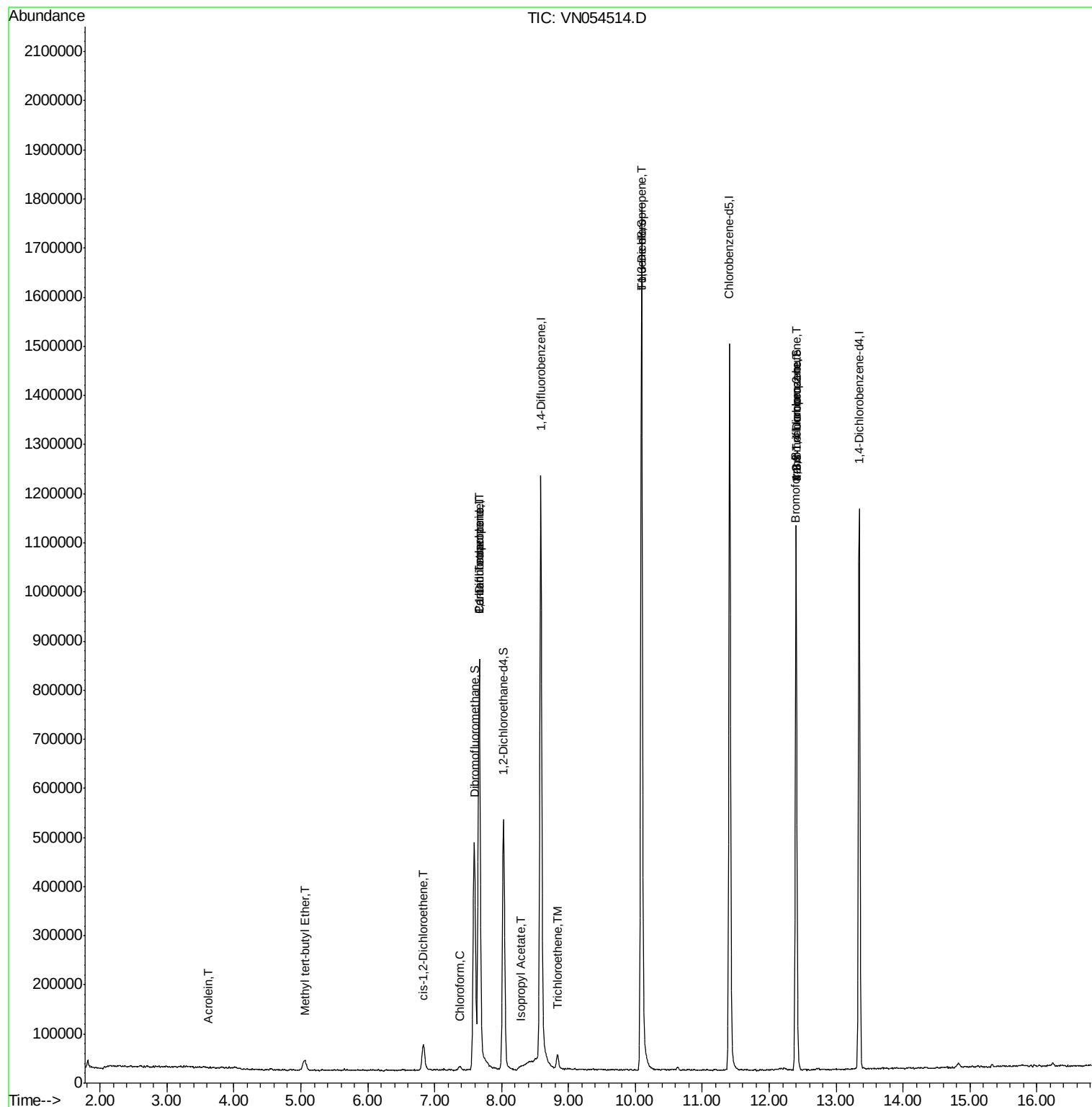
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	157	0.203	ug/l #	1
19) Methyl tert-butyl Ether	5.06	73	29671	1.418	ug/l #	81
27) cis-1,2-Dichloroethene	6.83	96	33642	3.852	ug/l	98
30) Chloroform	7.37	83	7232	0.517	ug/l	94
31) Cyclohexane	7.66	56	14500	Below Cal	#	10
36) 1,1-Dichloropropene	7.66	75	52665	5.035	ug/l #	48
38) Carbon Tetrachloride	7.67	117	66055	6.498	ug/l #	16
43) Isopropyl Acetate	8.28	43	5707	0.454	ug/l #	60
44) Trichloroethene	8.83	130	11518	1.385	ug/l	84
53) t-1,3-Dichloropropene	10.10	75	162	2.247	ug/l #	13
71) Bromoform	12.39	173	572	2.342	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	195507	39.545	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	195507	130.849	ug/l #	11

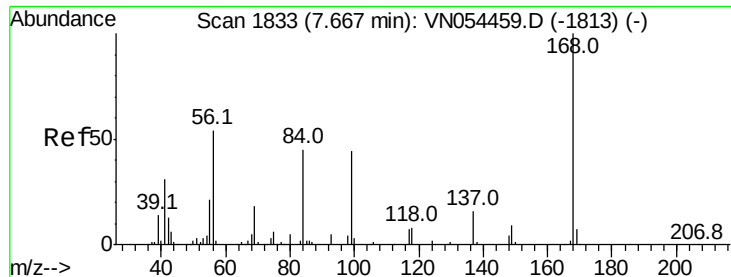
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
BPS1-TT-MW3111-20190314

Quant Time: Mar 22 10:15:38 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: VN054514.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

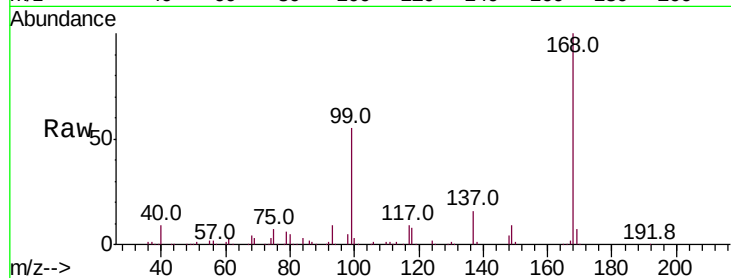
BPS1-TT-MW311I-20190314

Tot Ion:168 Resp: 743451

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054459.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN054459.D (-1813) (-)

7.67

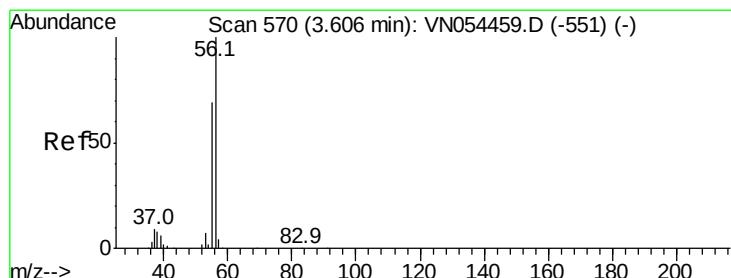
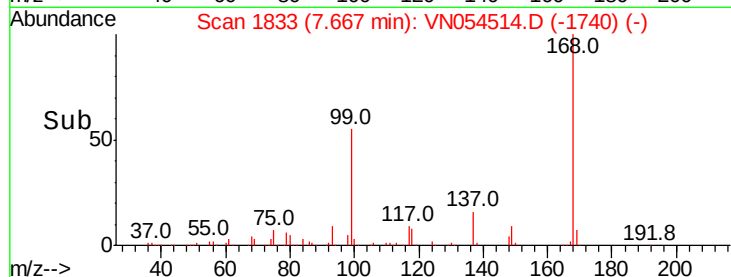
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 0.203 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054514.D

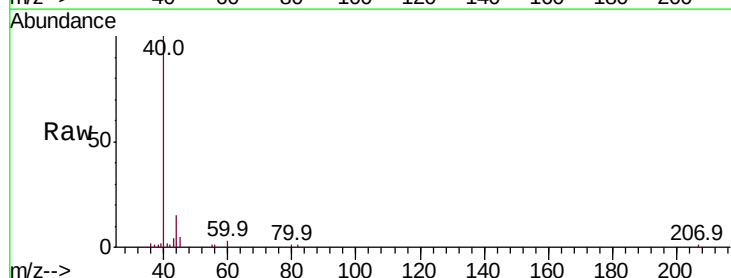
Acq: 21 Mar 2019 16:37

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 240.1 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN054459.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN054459.D (-551) (-)

3.60

300

250

200

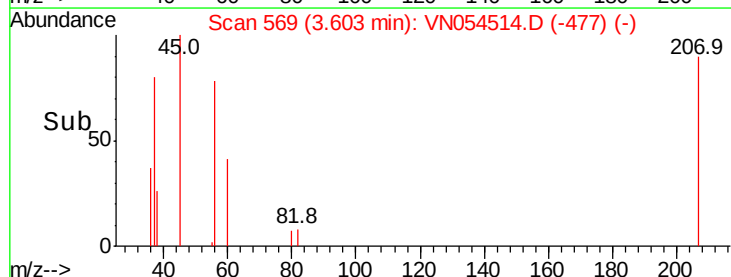
150

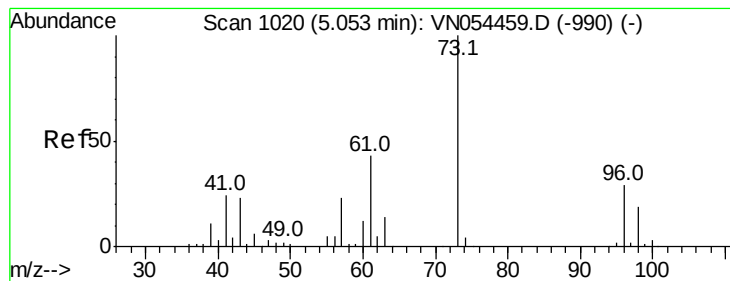
100

50

0

Time--> 3.58 3.60 3.62



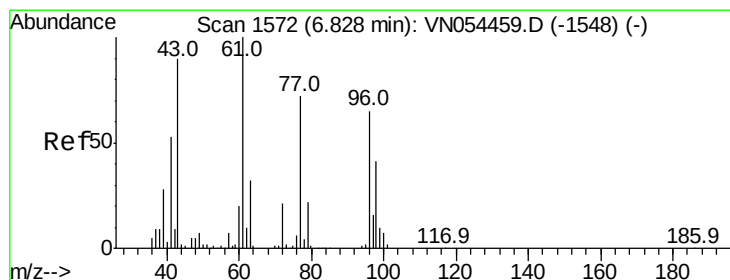
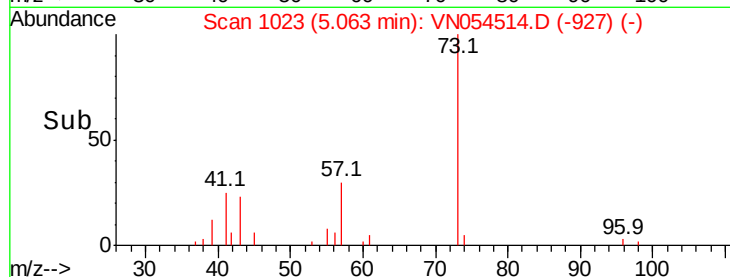
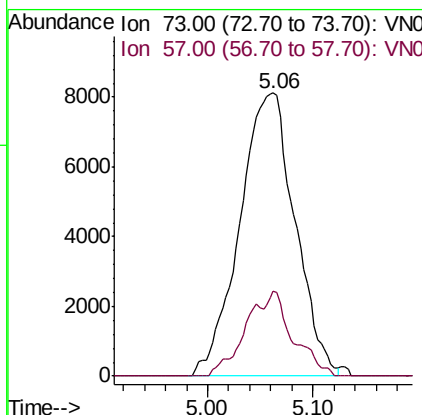
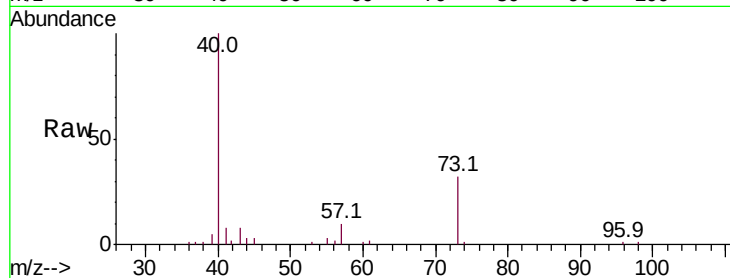


#19

Methyl tert-butyl Ether
 Concen: 1.418 ug/l
 RT: 5.06 min Scan# 1023
 Delta R.T. 0.01 min
 Lab File: VN054514.D
 Acq: 21 Mar 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311I-20190314

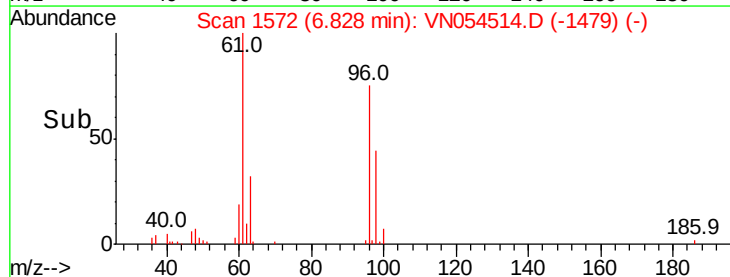
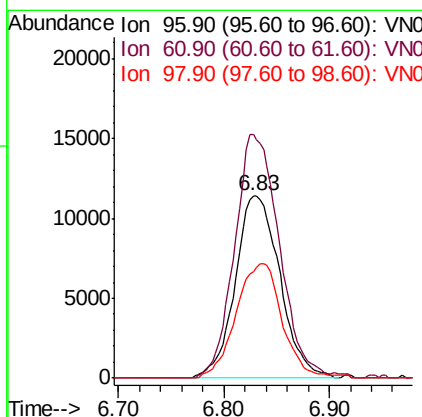
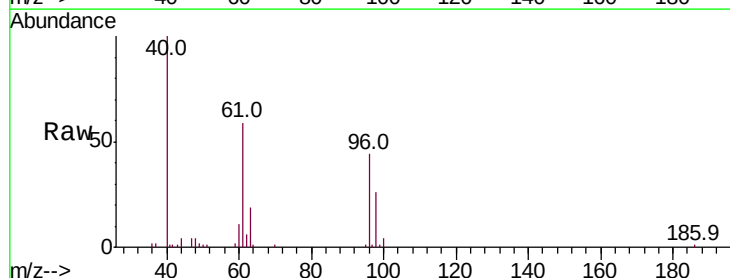
Tot Ion: 73 Resp: 29671
 Ion Ratio Lower Upper
 73 100
 57 29.8 16.8 25.2#

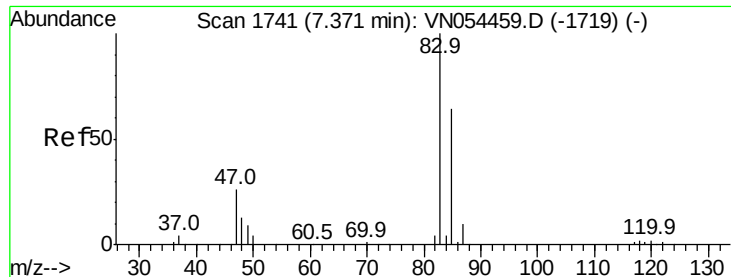


#27

cis-1,2-Dichloroethene
 Concen: 3.852 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054514.D
 Acq: 21 Mar 2019 16:37

Tgt Ion: 96 Resp: 33642
 Ion Ratio Lower Upper
 96 100
 61 133.6 0.0 273.0
 98 64.4 0.0 130.6

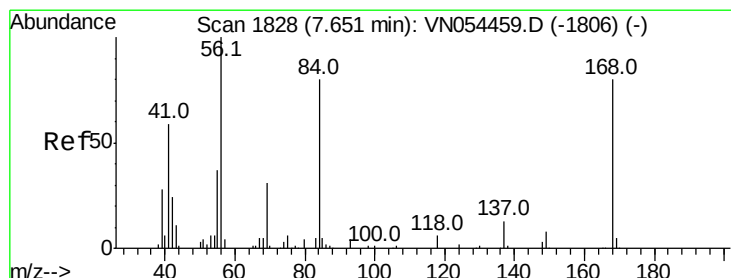
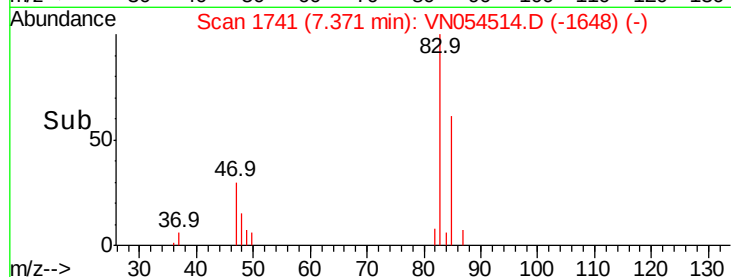
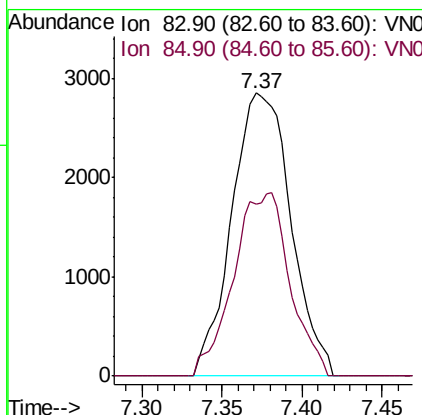
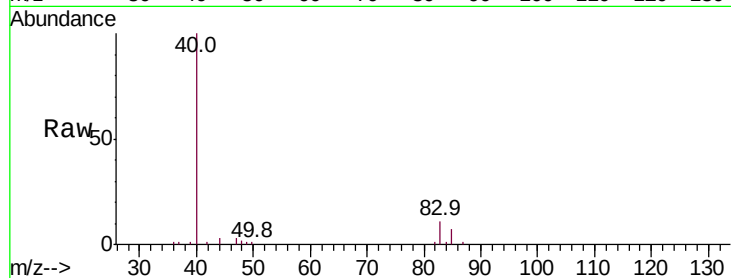




#30
Chloroform
Concen: 0.517 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054514.D
Acq: 21 Mar 2019 16:37

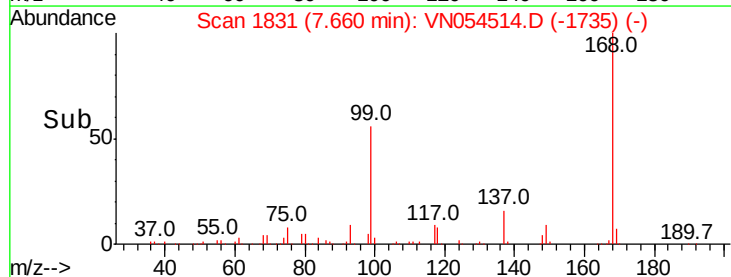
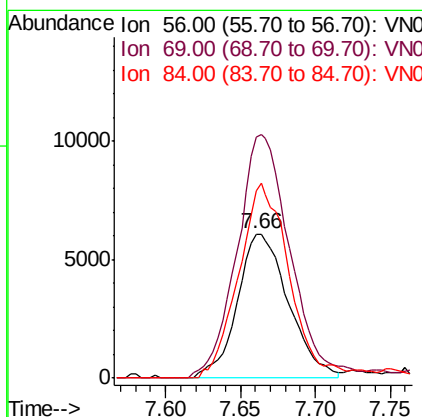
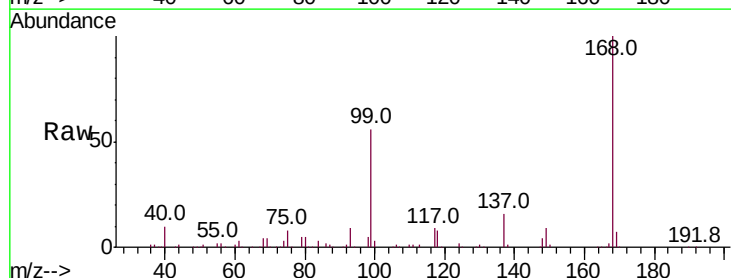
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW311I-20190314

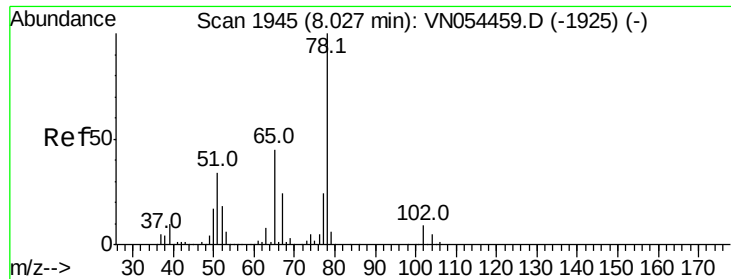
Tot Ion: 83 Resp: 7232
Ion Ratio Lower Upper
83 100
85 60.6 52.2 78.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054514.D
Acq: 21 Mar 2019 16:37

Tgt Ion: 56 Resp: 14500
Ion Ratio Lower Upper
56 100
69 167.3 27.8 41.6#
84 129.7 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 47.449 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

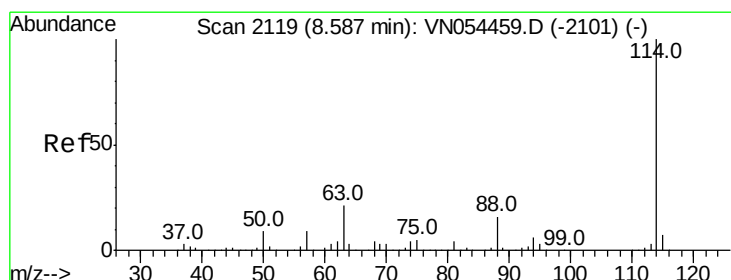
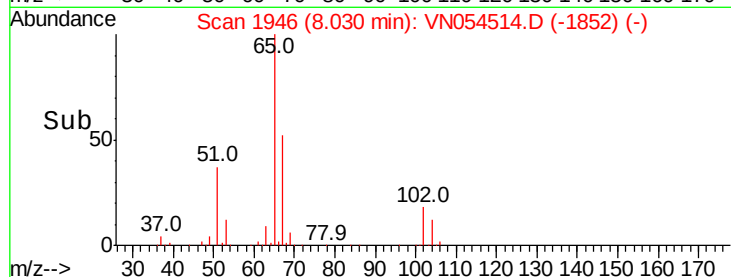
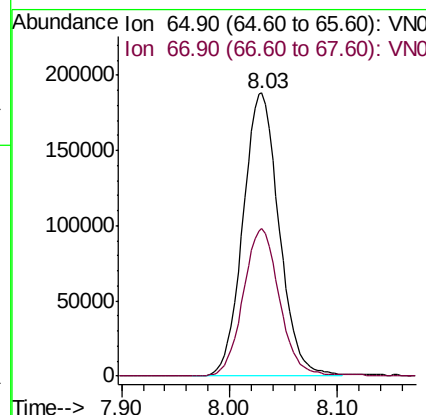
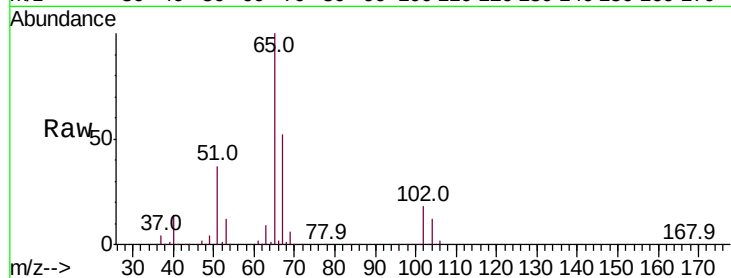
Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW311I-20190314

Tot Ion: 65 Resp: 438775

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

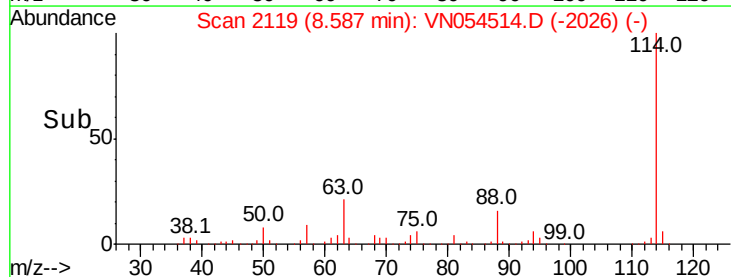
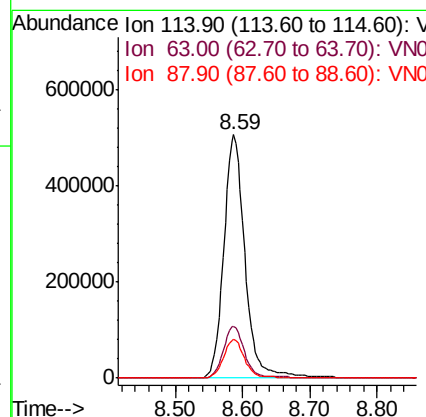
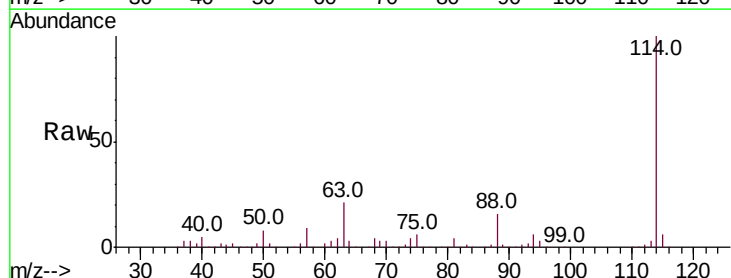
Delta R.T. -0.00 min

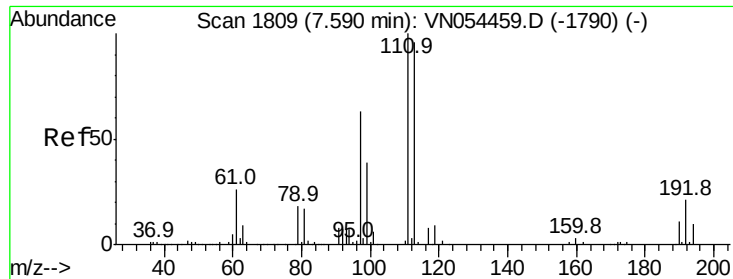
Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

Tgt Ion: 114 Resp: 1118706

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	35.2
88	15.9	0.0	30.2

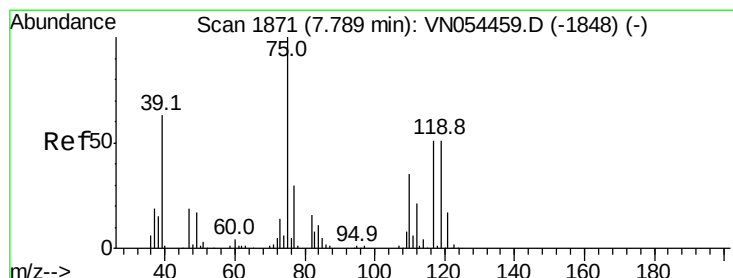
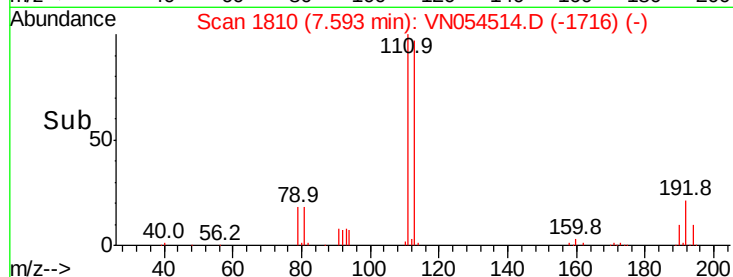
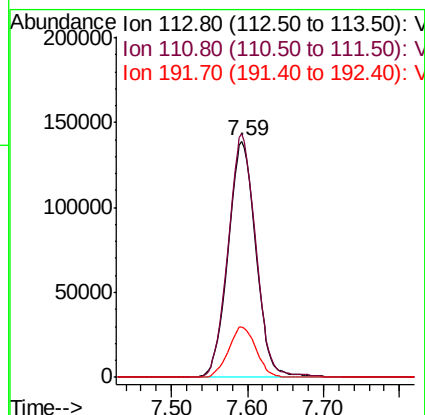
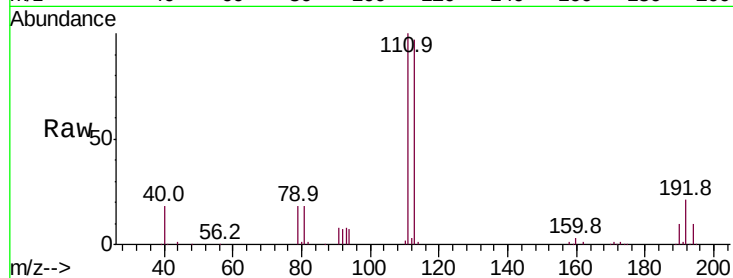




#35
 Dibromofluoromethane
 Concen: 49.006 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054514.D
 Acq: 21 Mar 2019 16:37

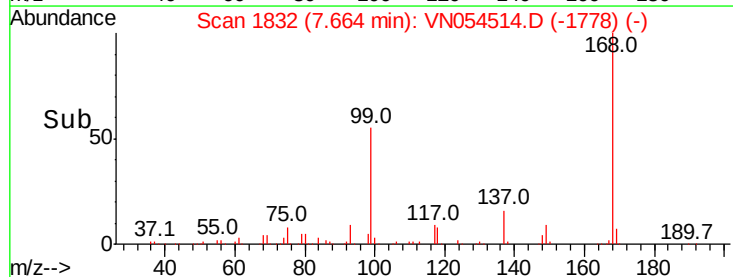
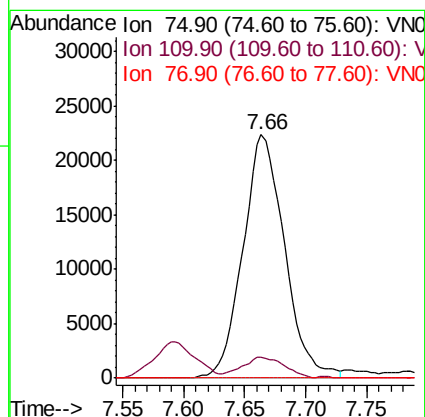
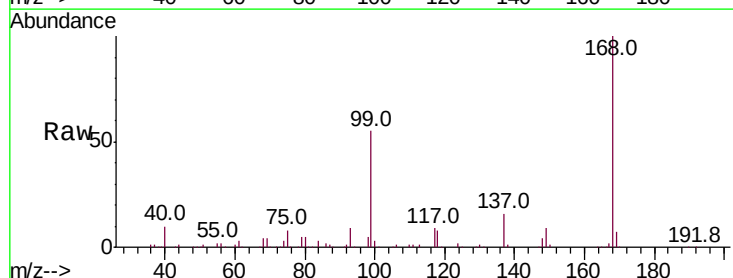
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311I-20190314

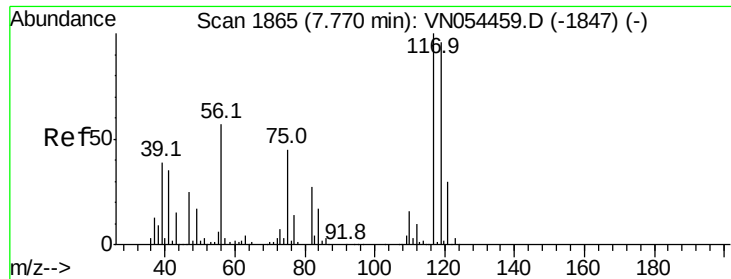
Tot Ion:113 Resp: 353198
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.2 123.4
 192 21.1 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 5.035 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054514.D
 Acq: 21 Mar 2019 16:37

Tgt Ion: 75 Resp: 52665
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.1 57.5#
 77 0.0 25.0 37.4#

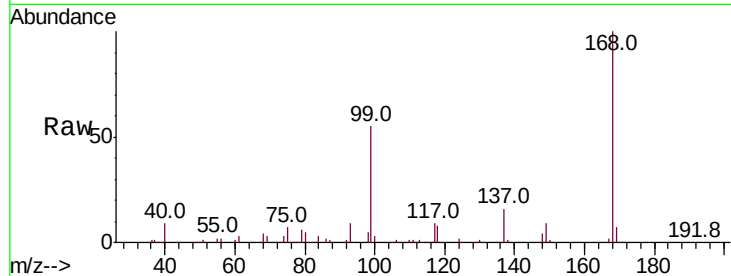




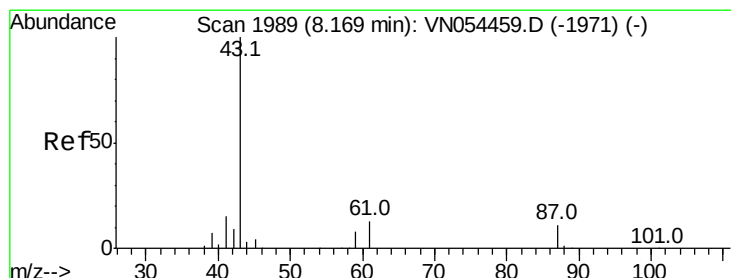
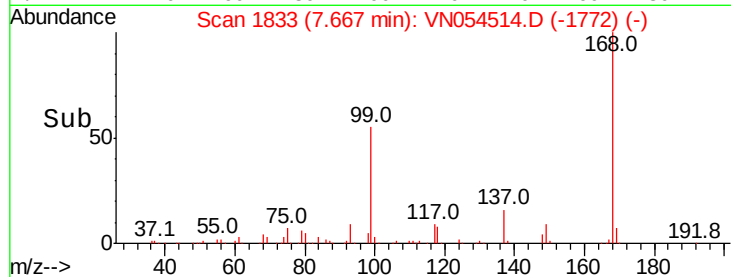
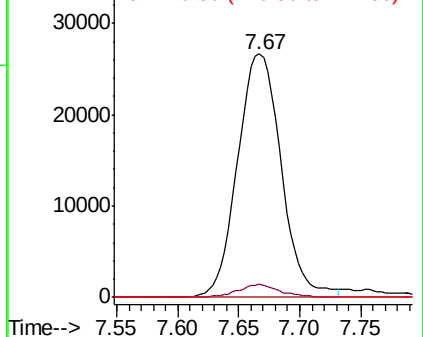
#38
Carbon Tetrachloride
Concen: 6.498 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.10 min
Lab File: VN054514.D
Acq: 21 Mar 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW311I-20190314

Tot Ion:117 Resp: 66055
Ion Ratio Lower Upper
117 100
119 5.2 76.3 114.5#
121 0.0 24.6 36.8#

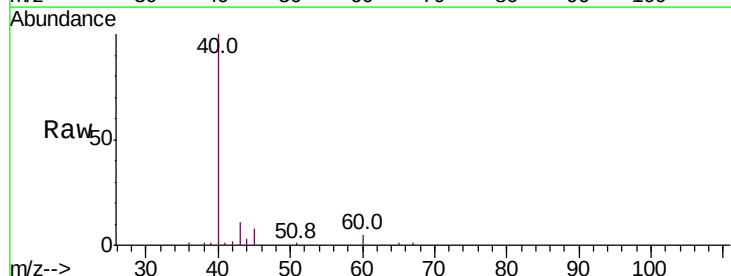


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

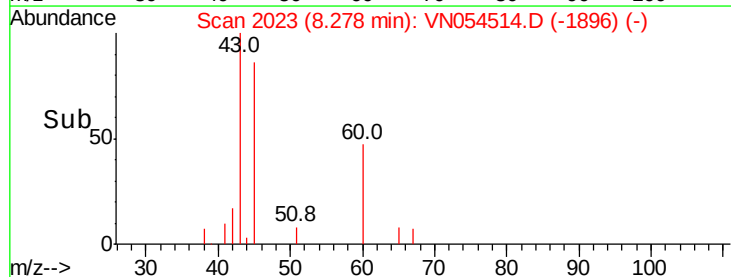
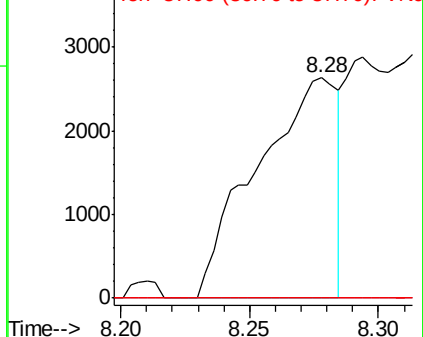


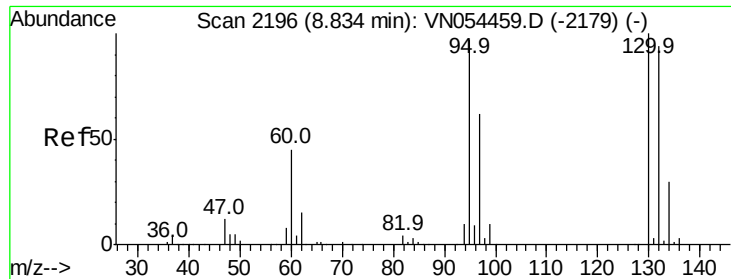
#43
Isopropyl Acetate
Concen: 0.454 ug/l
RT: 8.28 min Scan# 2023
Delta R.T. 0.11 min
Lab File: VN054514.D
Acq: 21 Mar 2019 16:37

Tgt Ion: 43 Resp: 5707
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): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 1.385 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

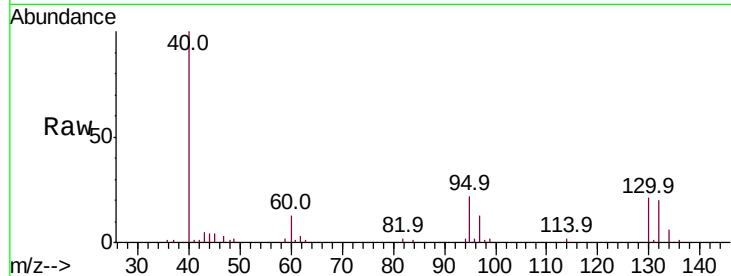
BPS1-TT-MW311I-20190314

Tot Ion:130 Resp: 11518

Ion Ratio Lower Upper

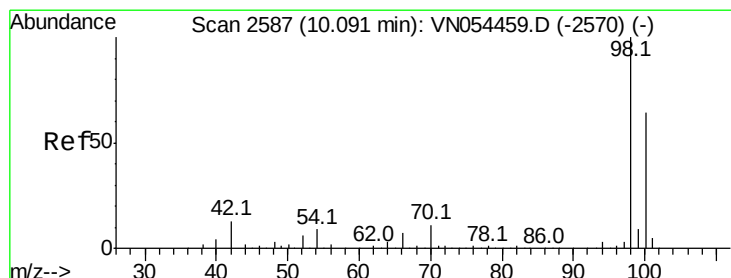
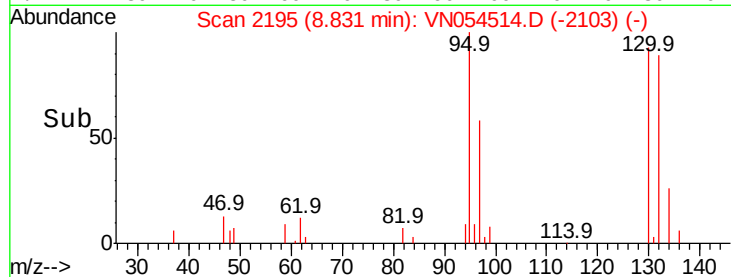
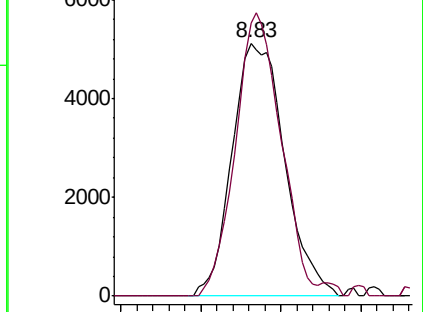
130 100

95 108.1 0.0 185.2



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

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



#50

Toluene-d8

Concen: 48.329 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054514.D

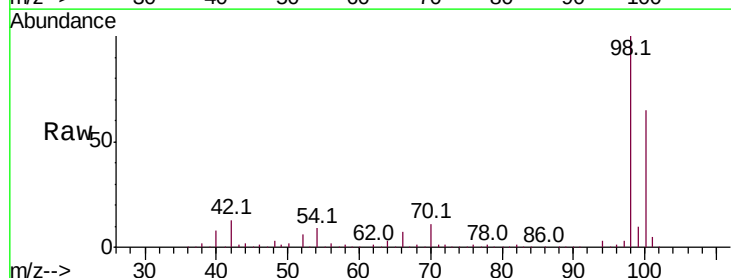
Acq: 21 Mar 2019 16:37

Tgt Ion: 98 Resp: 1309458

Ion Ratio Lower Upper

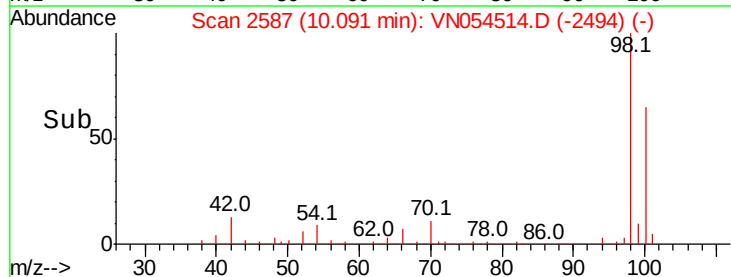
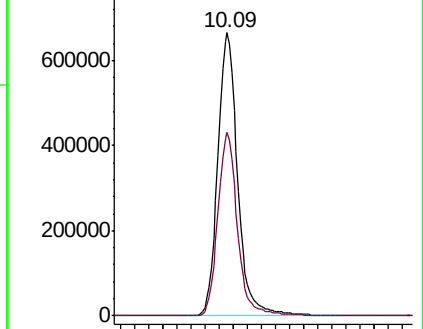
98 100

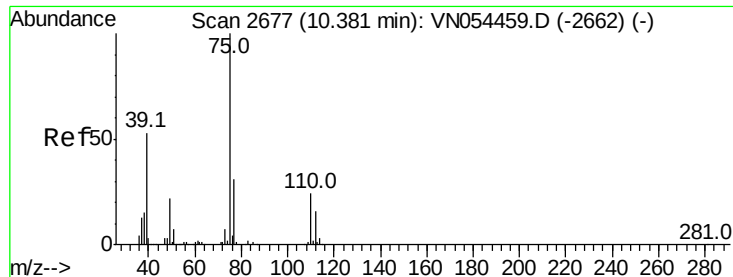
100 64.1 51.2 76.8



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

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





#53

t-1,3-Dichloropropene

Concen: 2.247 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.28 min

Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

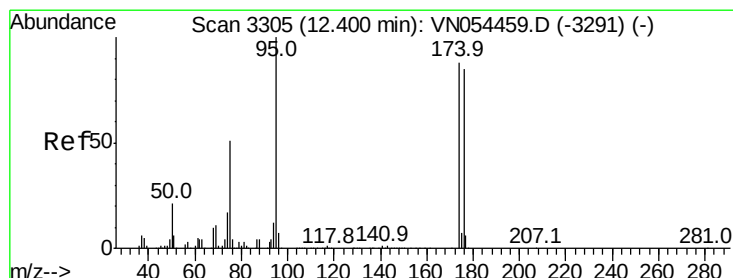
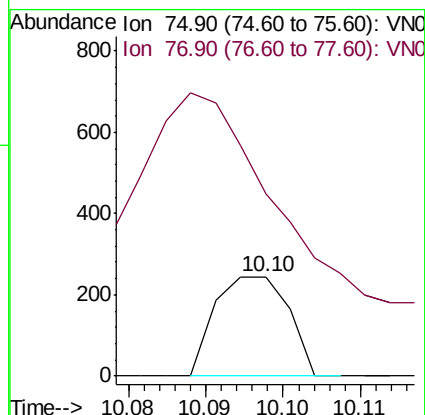
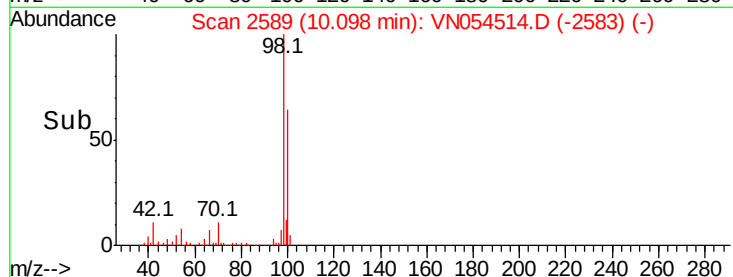
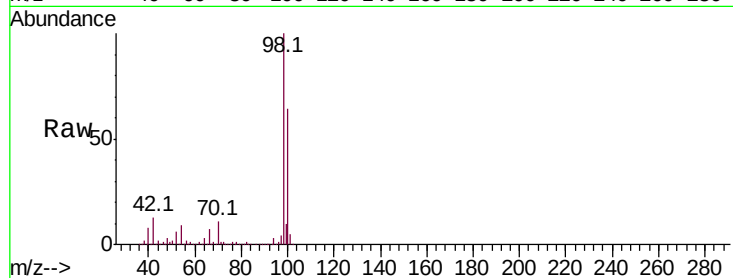
BPS1-TT-MW311I-20190314

Tot Ion: 75 Resp: 162

Ion Ratio Lower Upper

75 100

77 80.8 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 41.798 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

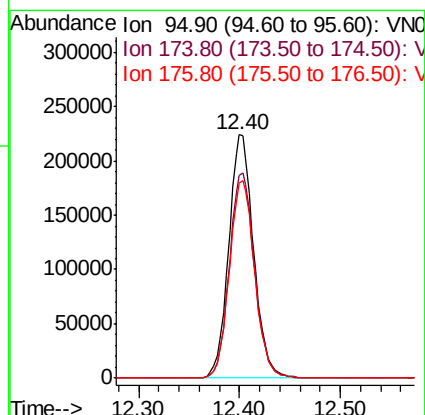
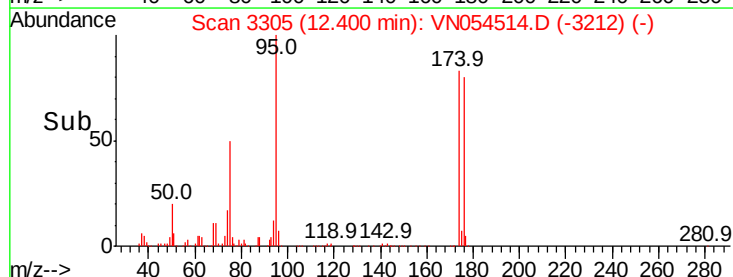
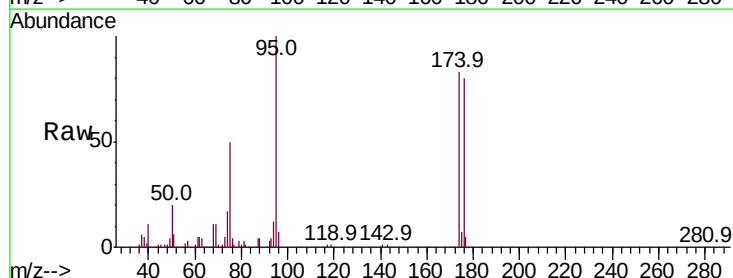
Tgt Ion: 95 Resp: 385370

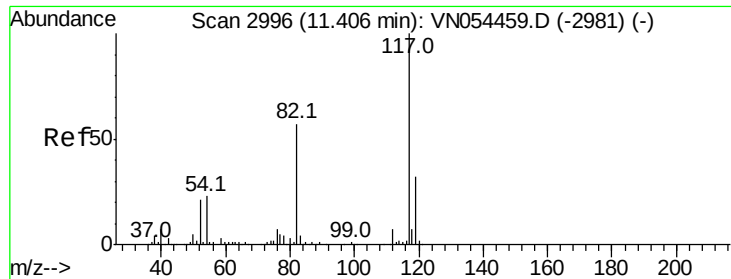
Ion Ratio Lower Upper

95 100

174 85.2 0.0 191.0

176 82.6 0.0 187.4

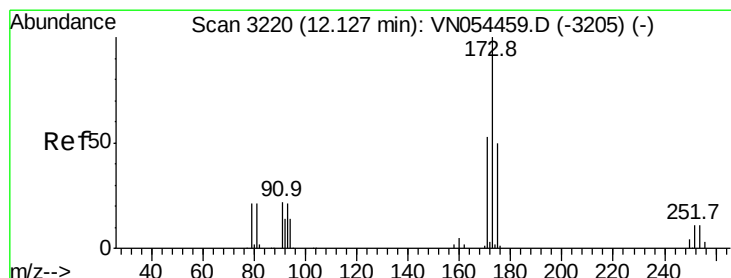
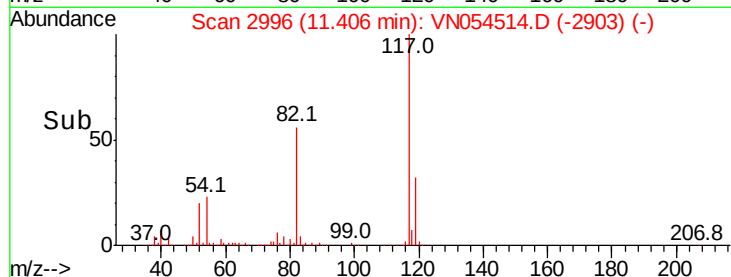
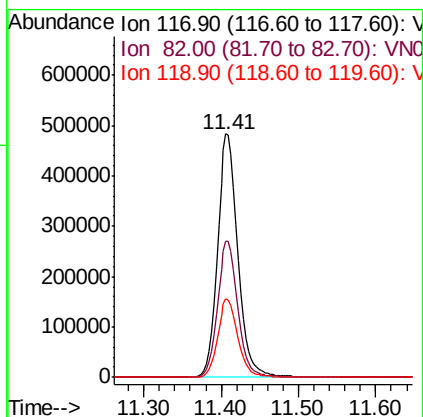
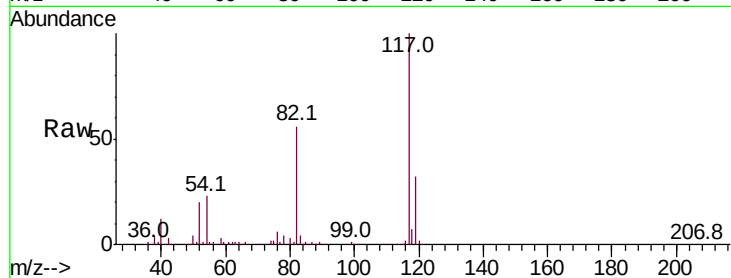




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054514.D
Acq: 21 Mar 2019 16:37

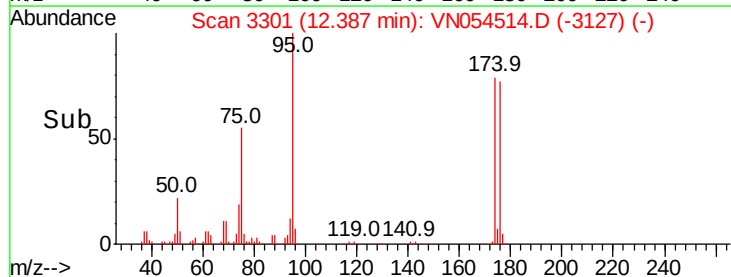
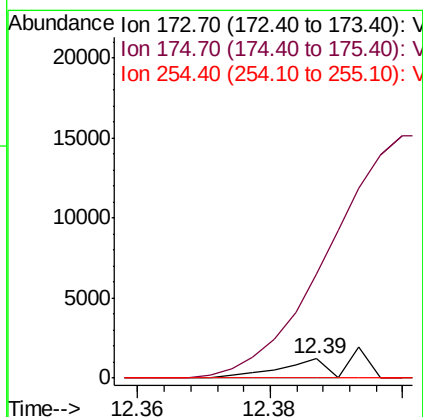
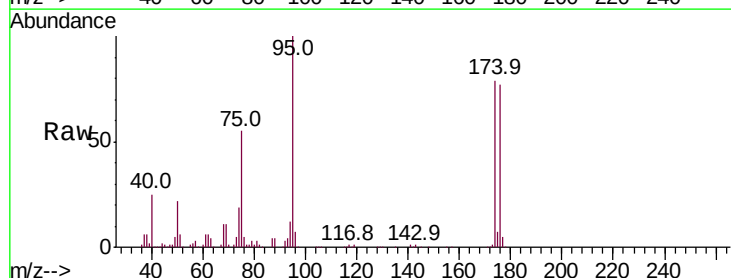
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW311I-20190314

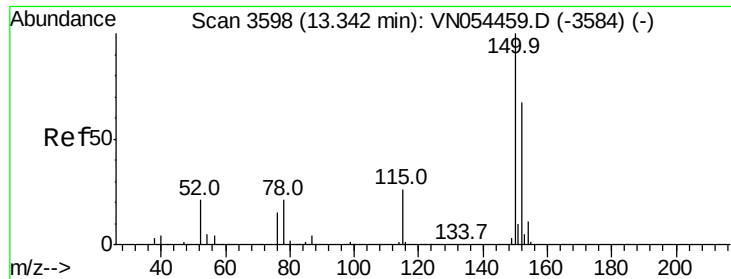
Tot Ion:117 Resp: 891204
Ion Ratio Lower Upper
117 100
82 56.2 40.0 60.0
119 32.2 25.8 38.6



#71
Bromoform
Concen: 2.342 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN054514.D
Acq: 21 Mar 2019 16:37

Tgt Ion:173 Resp: 572
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311I-20190314

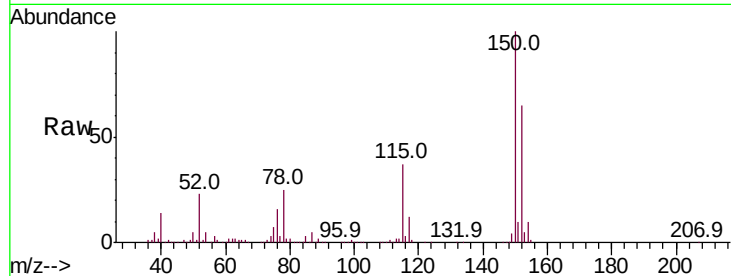
Tot Ion:152 Resp: 311557

Ion Ratio Lower Upper

152 100

115 57.8 27.2 81.6

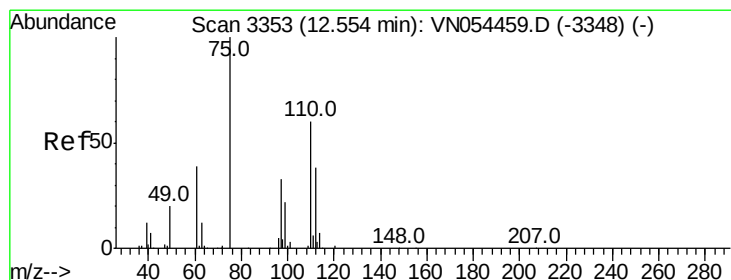
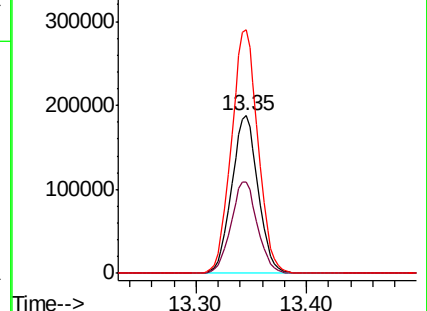
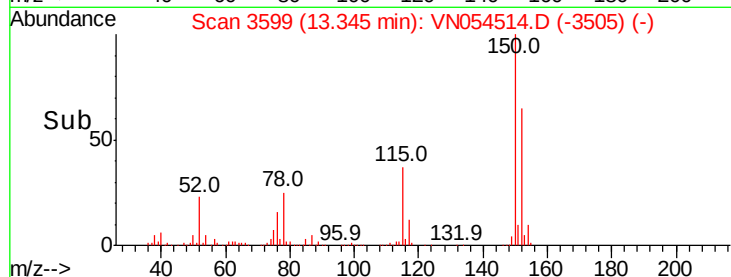
150 154.8 0.0 349.2



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: 39.545 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054514.D

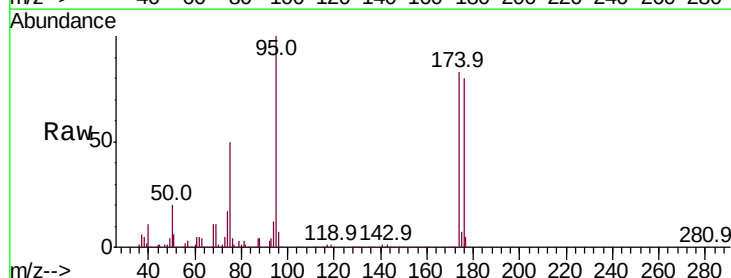
Acq: 21 Mar 2019 16:37

Tgt Ion: 75 Resp: 195507

Ion Ratio Lower Upper

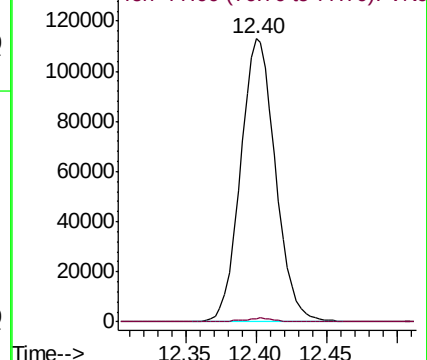
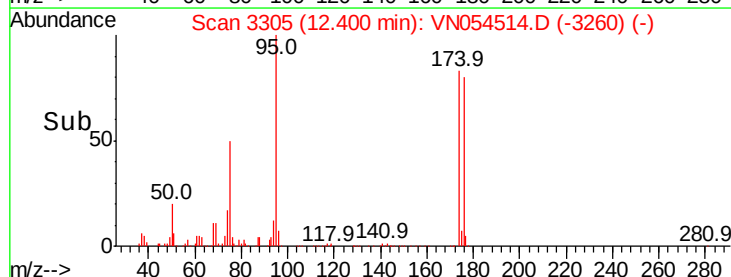
75 100

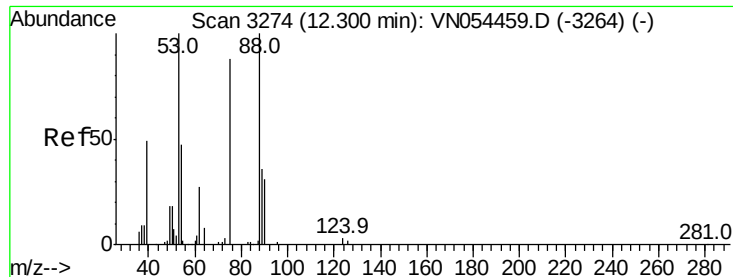
77 1.2 0.0 0.0#



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: 130.849 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054514.D

Acq: 21 Mar 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311I-20190314

Tot Ion: 75 Resp: 195507

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

