

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050716.D
 Acq On : 17 Aug 2018 8:43
 Operator : MD\SY
 Sample : VN0817WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 14:21:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	117241	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	584641	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	477796	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	231095	29.00	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	96.67%		
60) 4-Bromofluorobenzene	12.40	95	156295	21.29	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	70.97%		
63) Toluene-d8	10.09	98	691078	30.28	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	100.93%		

Target Compounds

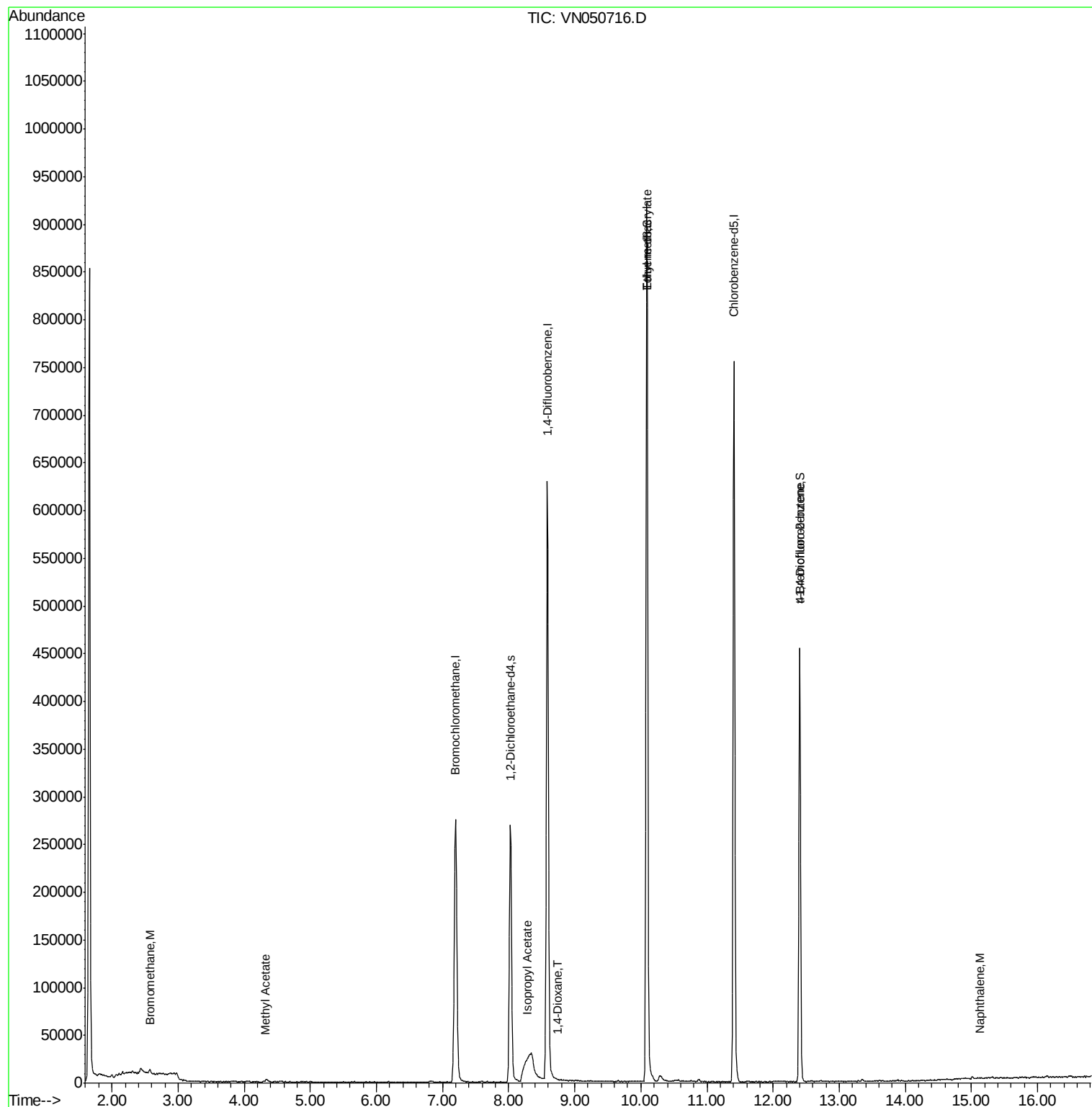
					Ovalue
5) Bromomethane	2.57	94	1971	0.365 ug/l	97
12) Methyl Acetate	4.34	43	5319	0.743 ug/l	92
44) Isopropyl Acetate	8.27	43	25584	2.323 ug/l #	57
45) 1,4-Dioxane	8.74	88	68	0.938 ug/l #	1
51) Ethyl methacrylate	10.10	69	2100	0.269 ug/l	75
77) t-1,4-Dichloro-2-butene	12.40	75	74080	35.568 ug/l #	14
91) Naphthalene	15.13	128	953	7.691 ug/l #	69

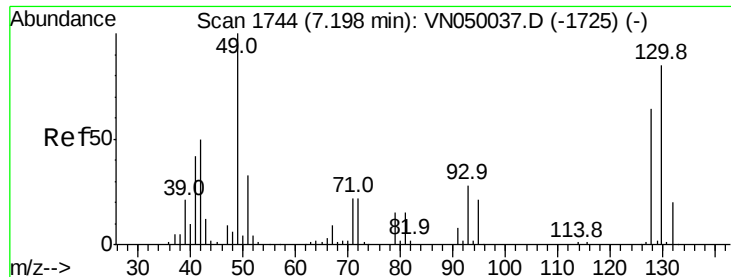
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050716.D

Acq: 17 Aug 2018 8:43

Instrument :

MSVOA_N

ClientSampled :

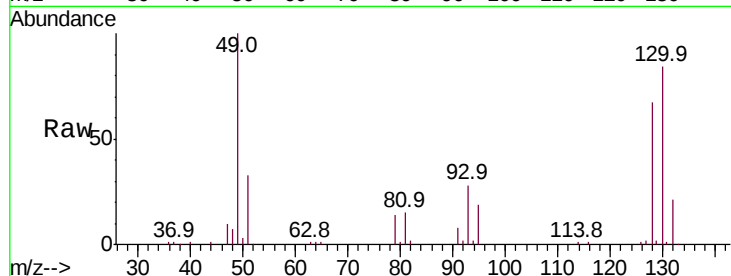
Tot Ion:128 Resp: 117241

Ion Ratio Lower Upper

128 100

49 151.9 0.0 378.3

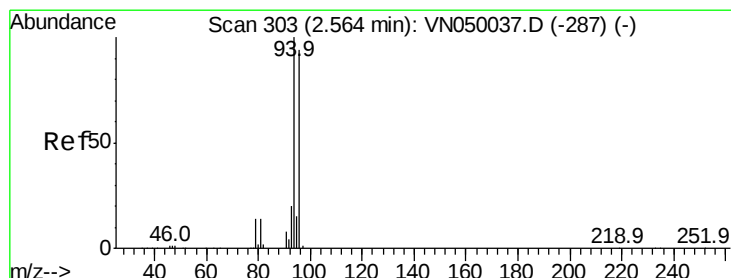
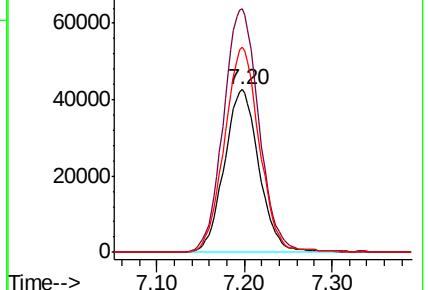
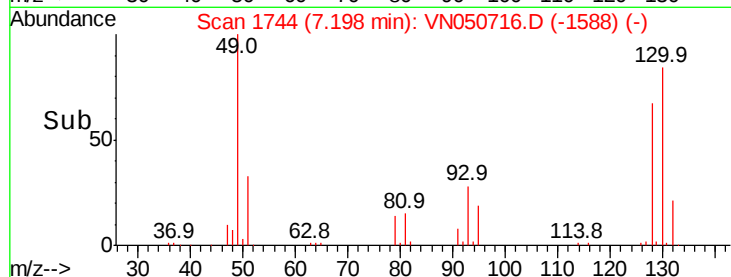
130 125.7 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.365 ug/l

RT: 2.57 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050716.D

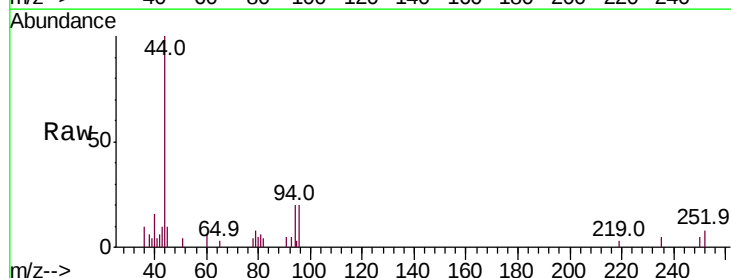
Acq: 17 Aug 2018 8:43

Tgt Ion: 94 Resp: 1971

Ion Ratio Lower Upper

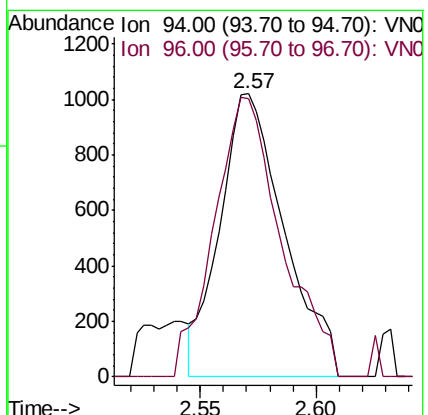
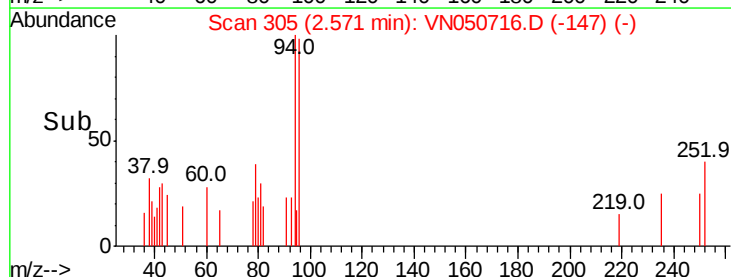
94 100

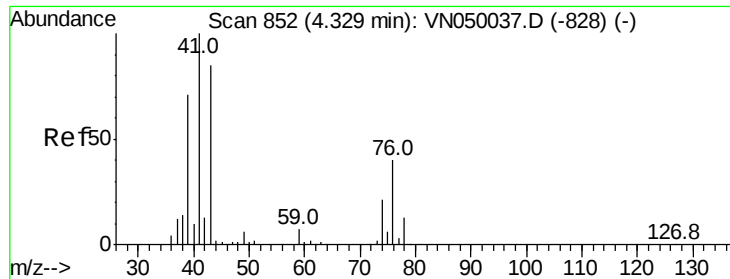
96 98.2 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

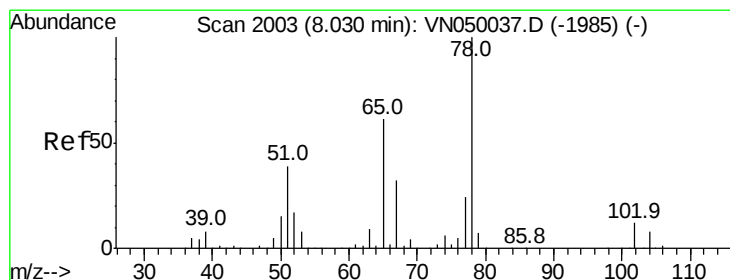
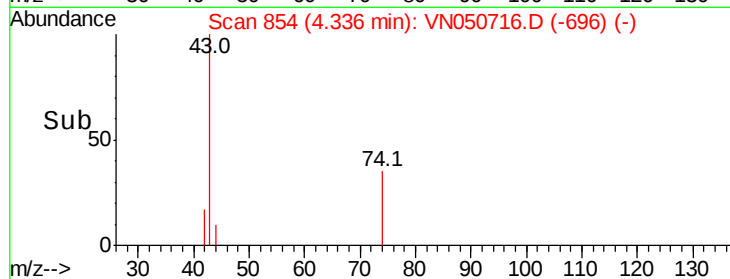
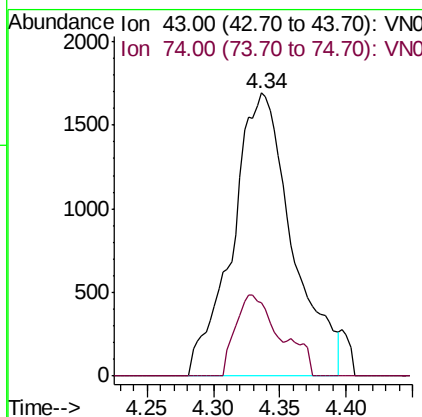
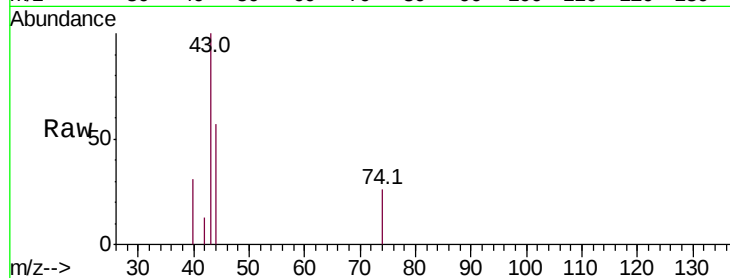




#12
Methvl Acetate
Concen: 0.743 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

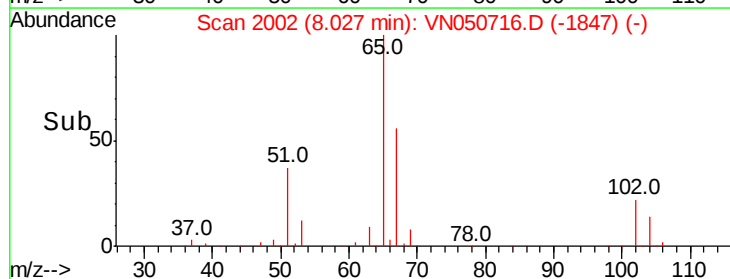
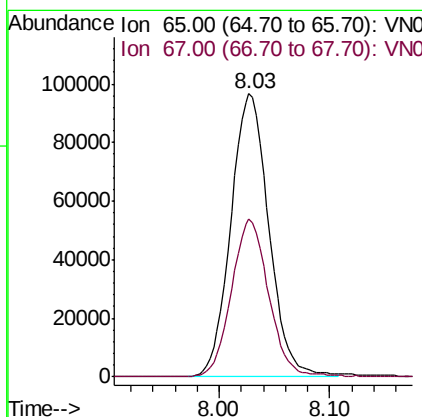
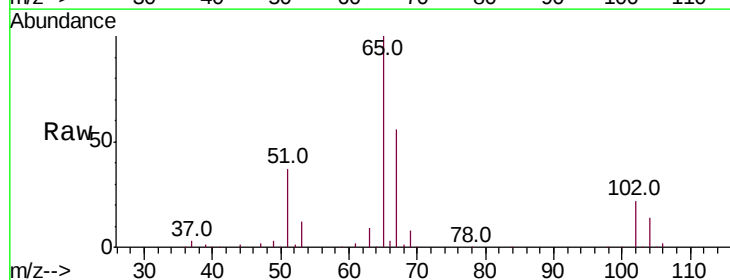
Instrument :
MSVOA_N
ClientSampled :

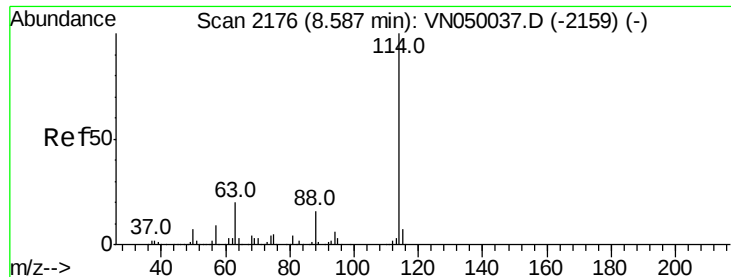
Tot Ion: 43 Resp: 5319
Ion Ratio Lower Upper
43 100
74 28.0 19.3 28.9



#27
1,2-Dichloroethane-d4
Concen: 28.999 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

Tgt Ion: 65 Resp: 231095
Ion Ratio Lower Upper
65 100
67 54.4 42.7 64.1

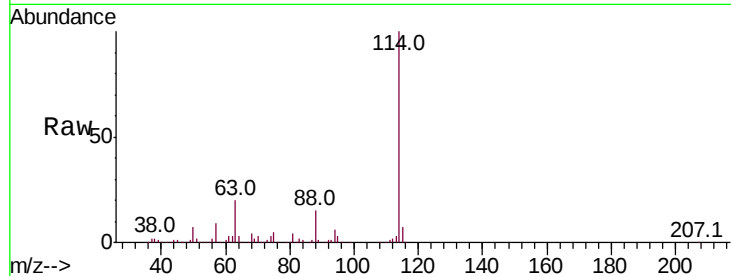




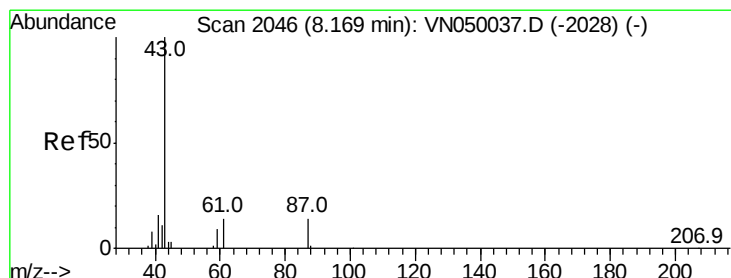
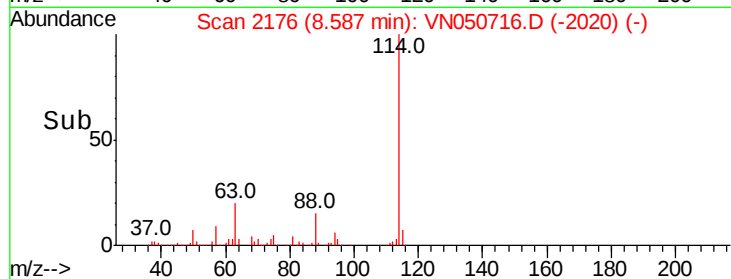
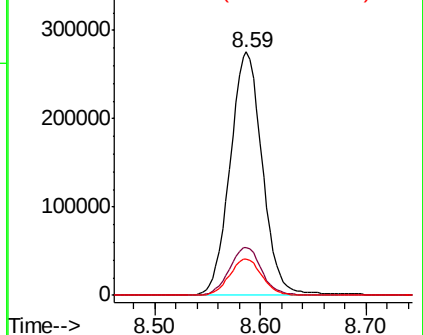
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050716.D
 Acq: 17 Aug 2018 8:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 584641
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.2 24.2
 88 15.1 12.3 18.5

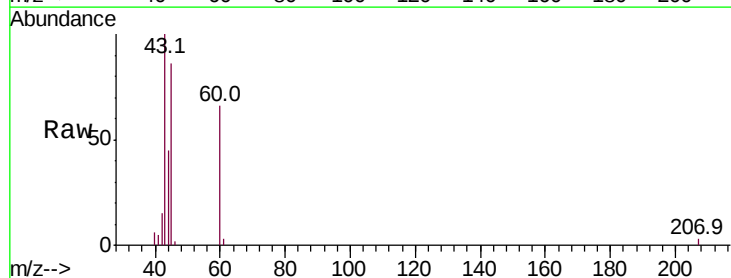


Abundance Ion 114.00 (113.70 to 114.70): VN050037.D (-2159) (-)
 Ion 63.00 (62.70 to 63.70): VN050037.D (-2159) (-)
 Ion 88.00 (87.70 to 88.70): VN050037.D (-2159) (-)

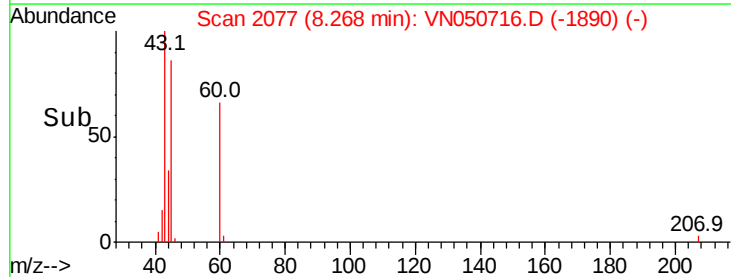
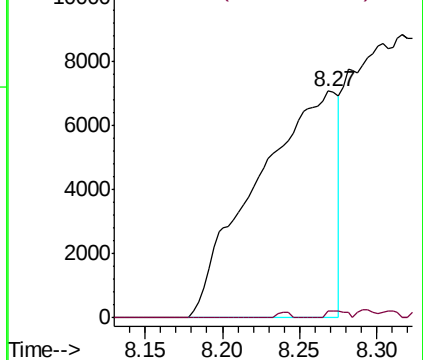


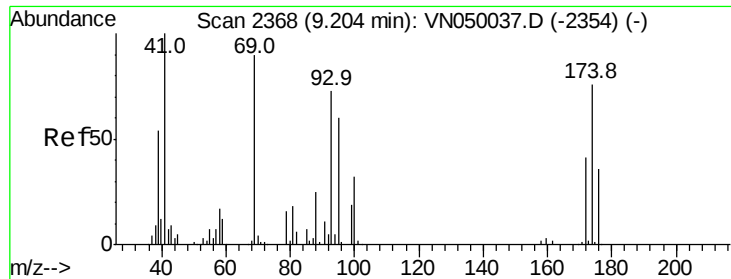
#44
 Isopropyl Acetate
 Concen: 2.323 ug/l
 RT: 8.27 min Scan# 2077
 Delta R.T. 0.10 min
 Lab File: VN050716.D
 Acq: 17 Aug 2018 8:43

Tgt Ion: 43 Resp: 25584
 Ion Ratio Lower Upper
 43 100
 61 0.7 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-2028) (-)
 Ion 61.00 (60.70 to 61.70): VN050037.D (-2028) (-)





#45

1,4-Dioxane

Concen: 0.938 ug/l

RT: 8.74 min Scan# 2225

Delta R.T. -0.46 min

Lab File: VN050716.D

Acq: 17 Aug 2018 8:43

Instrument :
MSVOA_N
ClientSampleId :

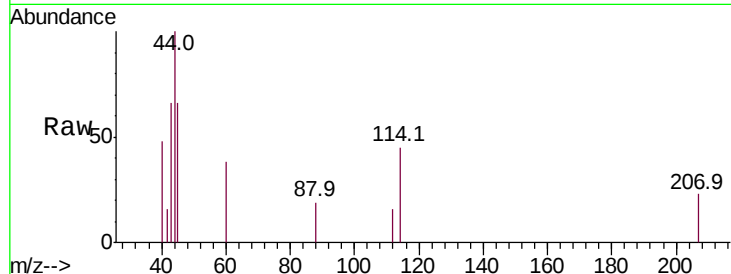
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

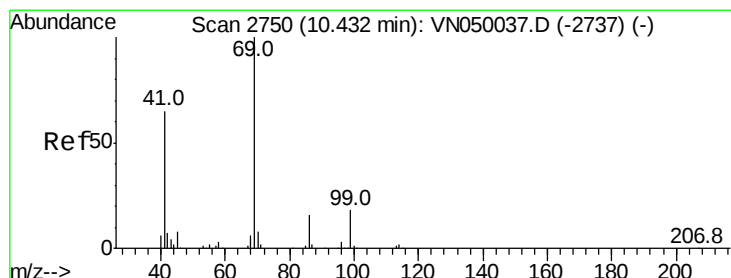
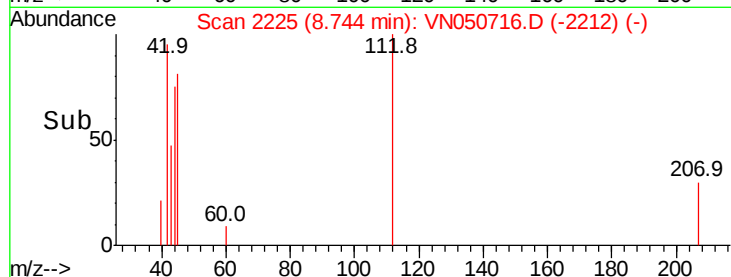
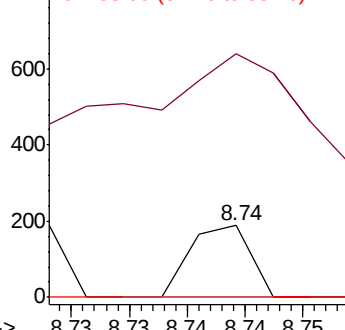
88 100

43 276.5 26.9 40.3#

58 0.0 53.6 80.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#51

Ethyl methacrylate

Concen: 0.269 ug/l

RT: 10.10 min Scan# 2646

Delta R.T. -0.33 min

Lab File: VN050716.D

Acq: 17 Aug 2018 8:43

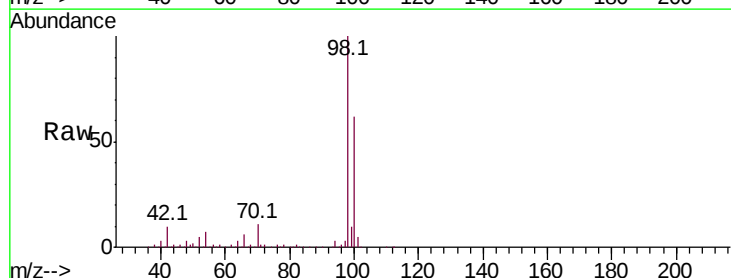
Tgt Ion: 69 Resp: 2100

Ion Ratio Lower Upper

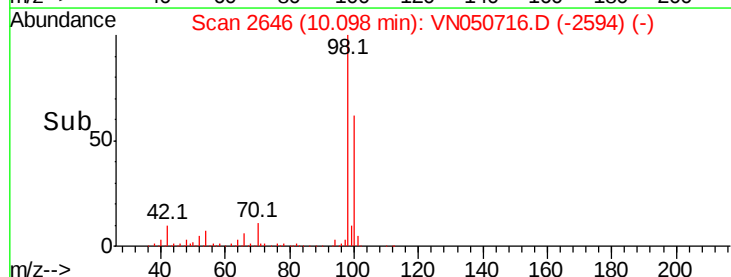
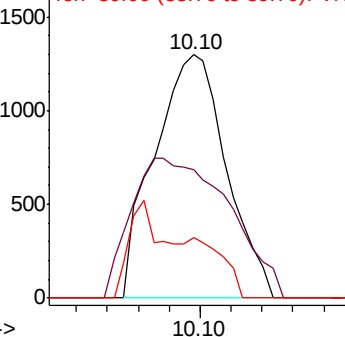
69 100

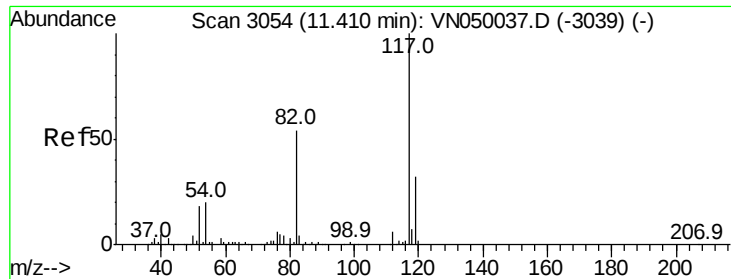
41 40.0 31.9 95.9

39 24.6 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

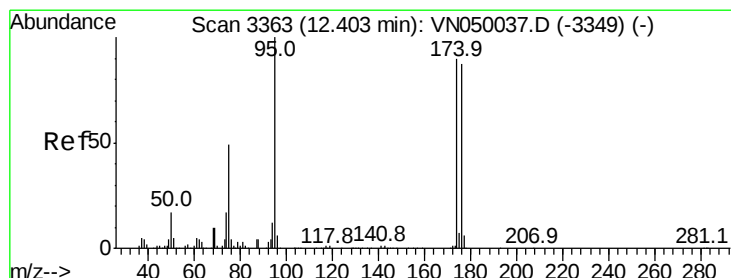
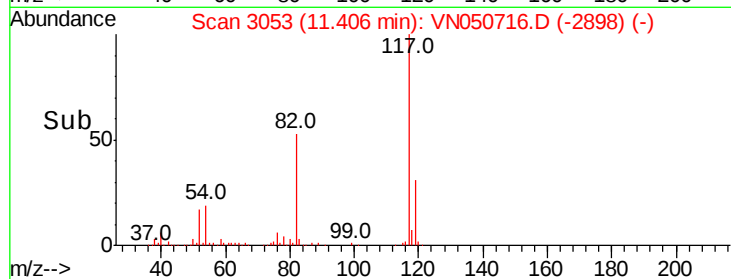
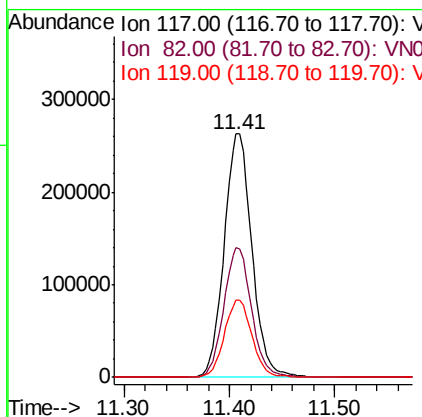
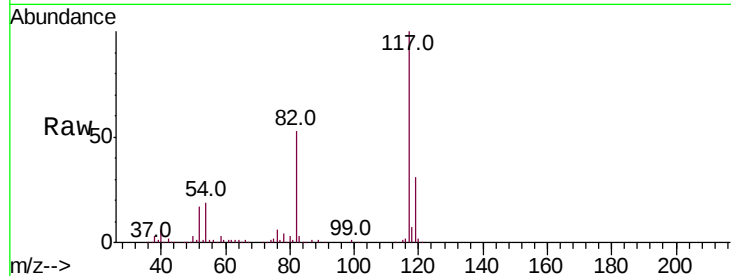




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

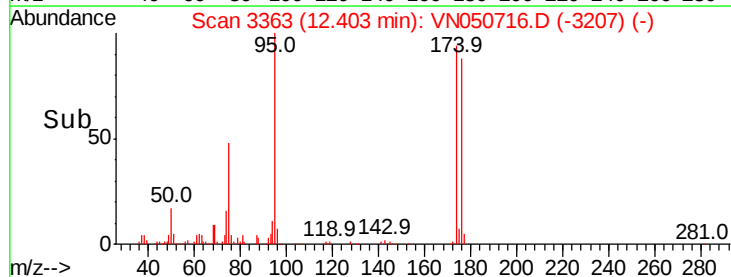
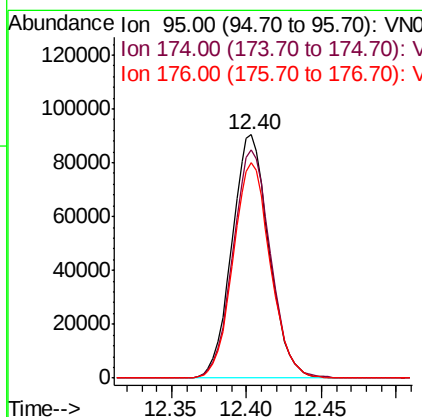
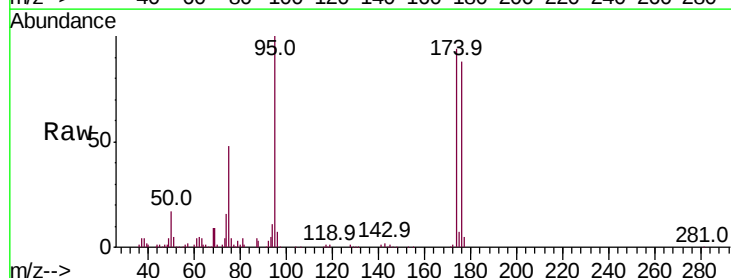
Instrument :
MSVOA_N
ClientSampleId :

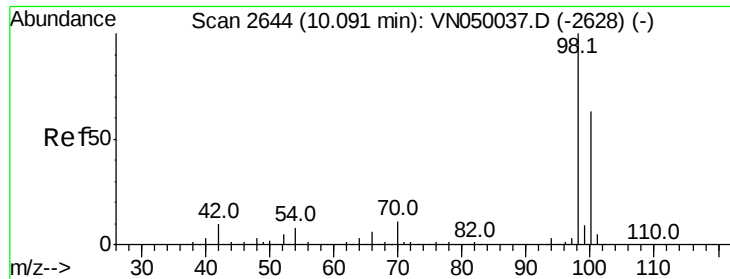
Tot Ion:117 Resp: 477796
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 31.9 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 21.292 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

Tgt Ion: 95 Resp: 156295
Ion Ratio Lower Upper
95 100
174 94.7 72.3 108.5
176 88.6 70.0 105.0

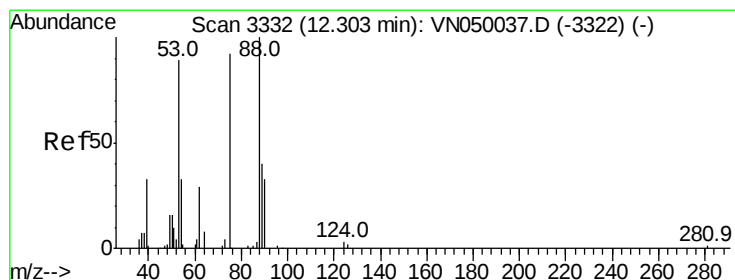
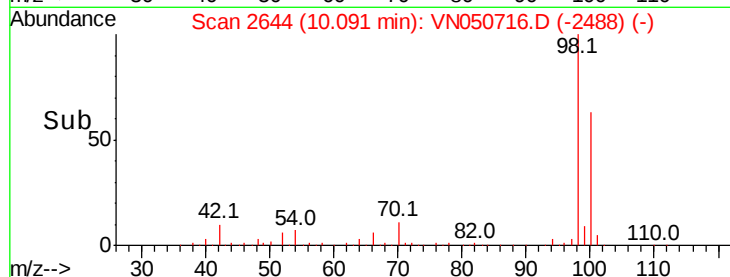
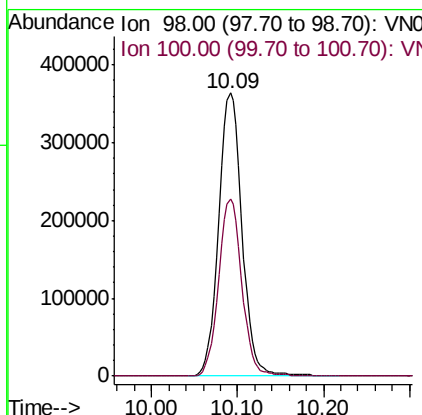
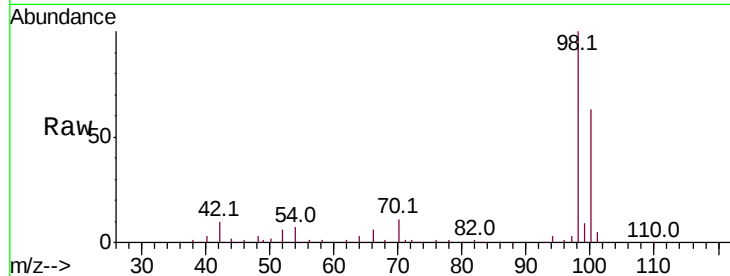




#63
Toluene-d8
Concen: 30.281 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

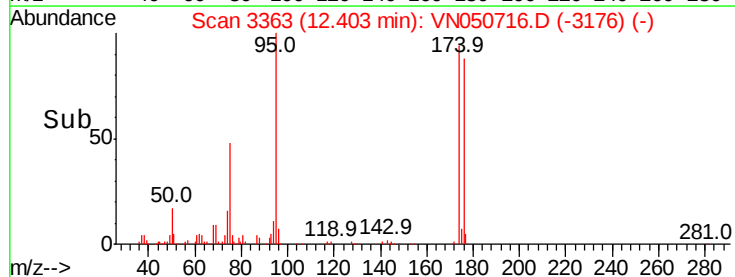
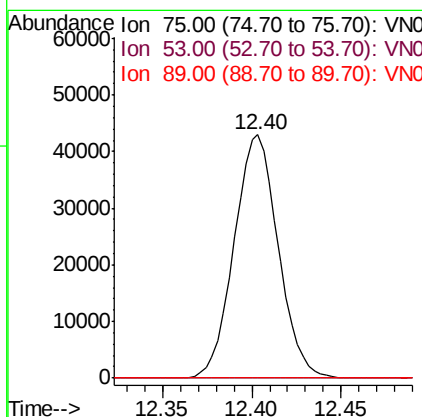
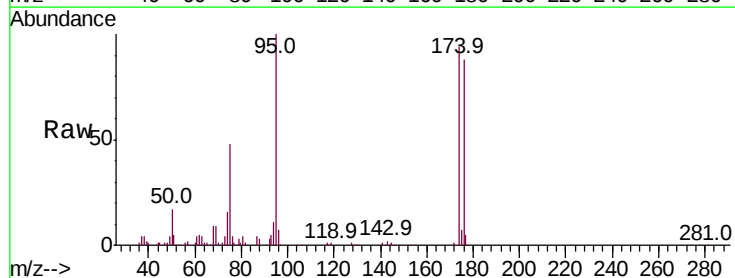
Instrument :
MSVOA_N
ClientSampled :

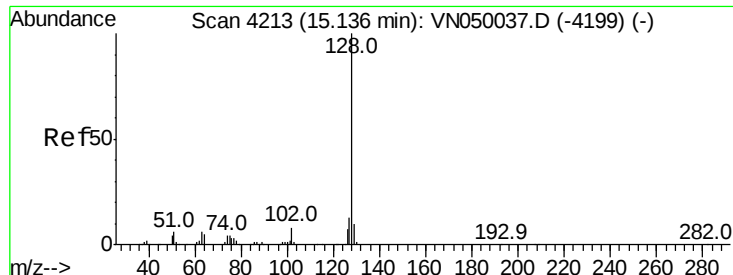
Tot Ion: 98 Resp: 691078
Ion Ratio Lower Upper
98 100
100 62.0 51.2 76.8



#77
t-1,4-Dichloro-2-butene
Concen: 35.568 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

Tgt Ion: 75 Resp: 74080
Ion Ratio Lower Upper
75 100
53 0.4 44.6 134.0#
89 0.0 20.7 62.1#





#91
Naphthalene
Concen: 7.691 ug/l
RT: 15.13 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VN050716.D
Acq: 17 Aug 2018 8:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 953
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 9.0 13.4#

