

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054420.D
 Acq On : 19 Mar 2019 4:07
 Operator : JC/SP
 Sample : K1970-07 10X
 Misc : 5.51g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1877768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2663522	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2283175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	987966	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	877887	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	
35) Dibromofluoromethane	7.59	113	788487	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
50) Toluene-d8	10.09	98	3098721	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.40	95	982419	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

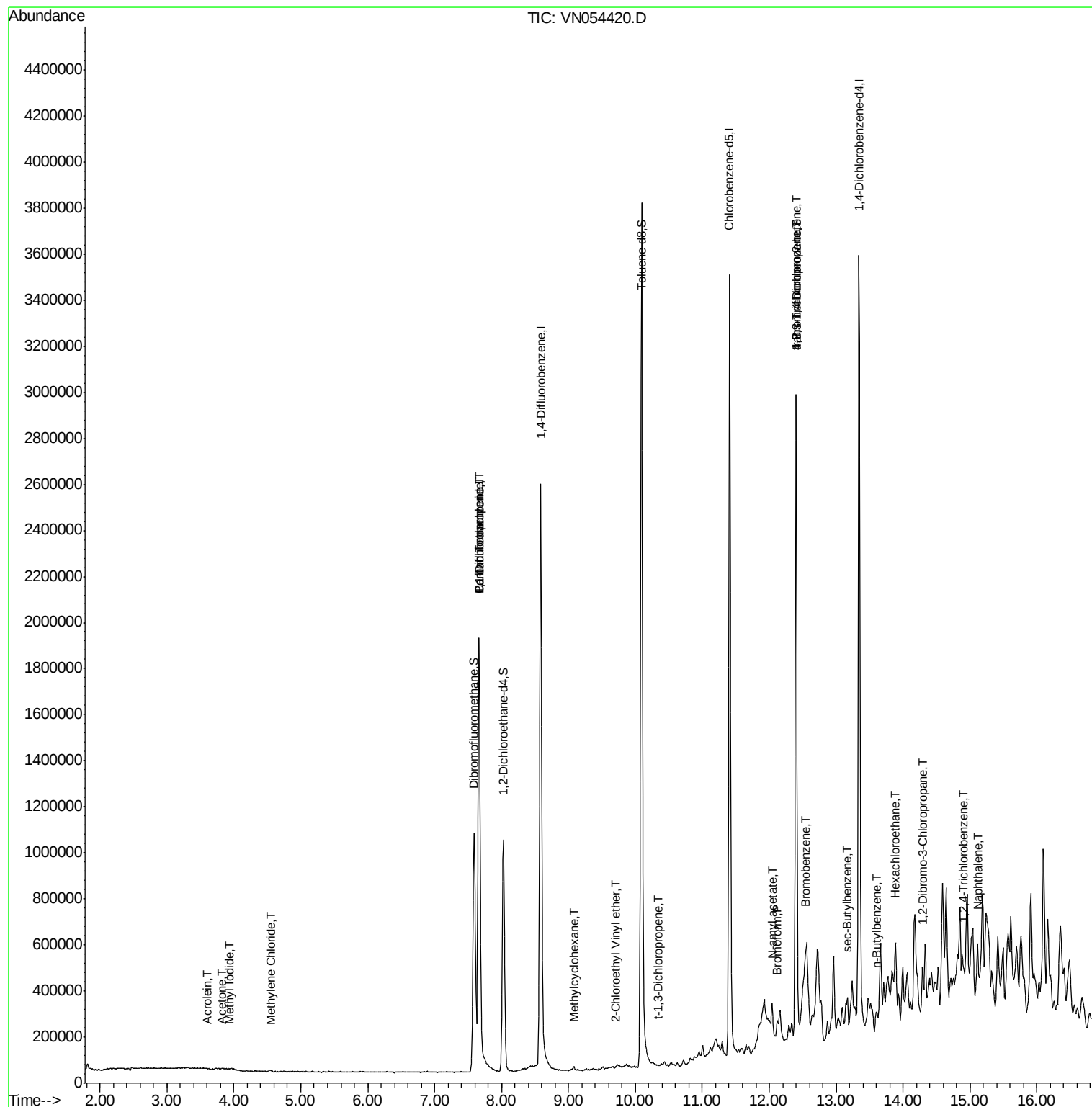
						Qvalue
10) Methyl Iodide	3.94	142	258	1.506	ug/l #	17
13) Acrolein	3.60	56	413	0.319	ug/l #	47
16) Acetone	3.82	43	1190	0.208	ug/l	100
20) Methylene Chloride	4.55	84	4220	0.225	ug/l #	78
31) Cyclohexane	7.66	56	27052	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	107494	4.382	ug/l #	48
38) Carbon Tetrachloride	7.66	117	148133	5.759	ug/l #	16
39) Methylcyclohexane	9.08	83	6975	0.231	ug/l #	89
53) t-1,3-Dichloropropene	10.33	75	32	1.987	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.70	63	235	16.854	ug/l	99
71) Bromoform	12.12	173	879	2.411	ug/l #	28
74) N-amyl acetate	12.04	43	25265	1.440	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	464932	32.001	ug/l #	100
77) Bromobenzene	12.54	156	458342	21.913	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	464932	109.395	ug/l #	11
85) sec-Butylbenzene	13.17	105	66487	0.847	ug/l	83
89) n-Butylbenzene	13.62	91	31919	0.610	ug/l #	77
90) Hexachloroethane	13.89	117	13263	1.163	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1252	0.480	ug/l #	53
93) 1,2,4-Trichlorobenzene	14.91	180	1062	2.565	ug/l #	1
95) Naphthalene	15.13	128	18538	3.868	ug/l #	80

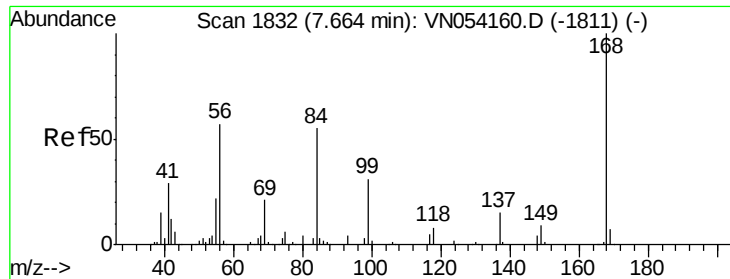
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054420.D
Acq On : 19 Mar 2019 4:07
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Misc : 5.51q/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 19 05:20:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

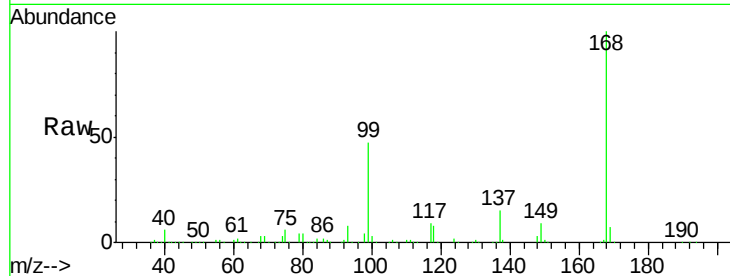
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1877768

Ion Ratio Lower Upper

168 100

99 47.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

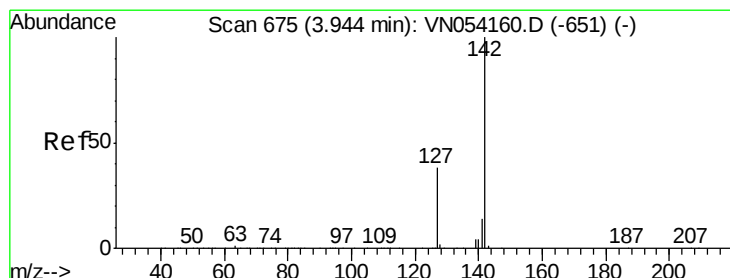
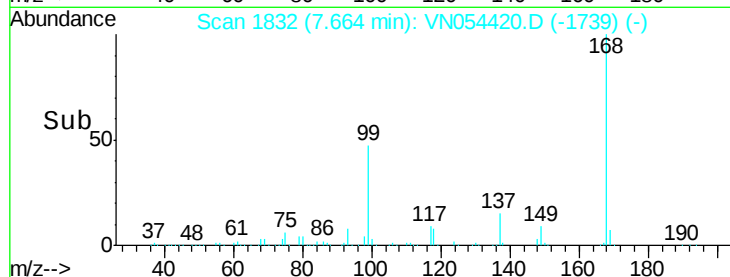
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.506 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

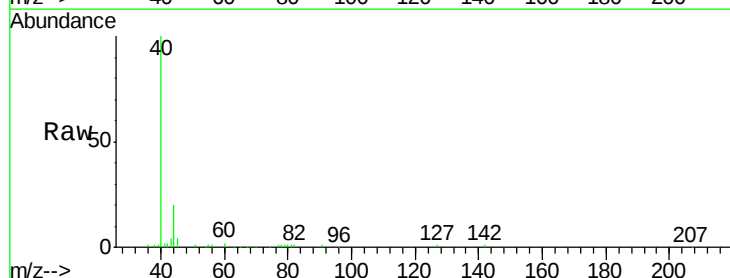
Tgt Ion:142 Resp: 258

Ion Ratio Lower Upper

142 100

127 98.8 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

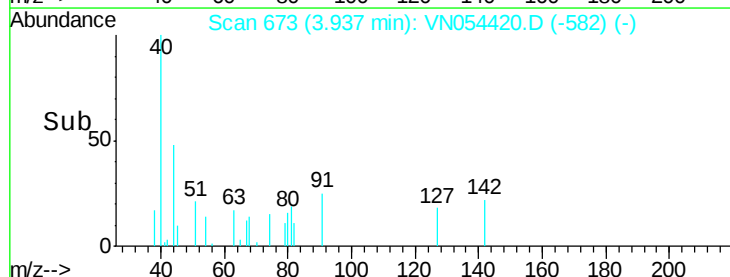
300

200

100

0

Time-->

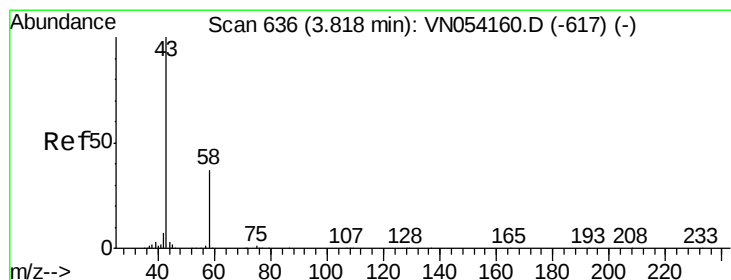
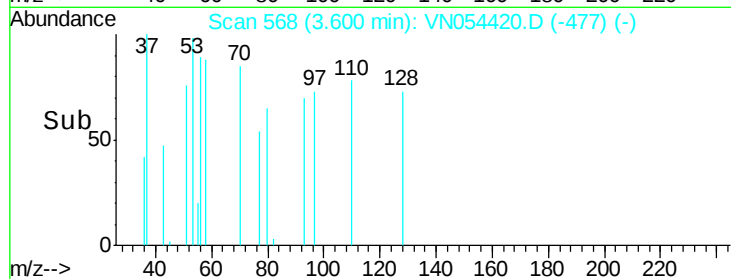
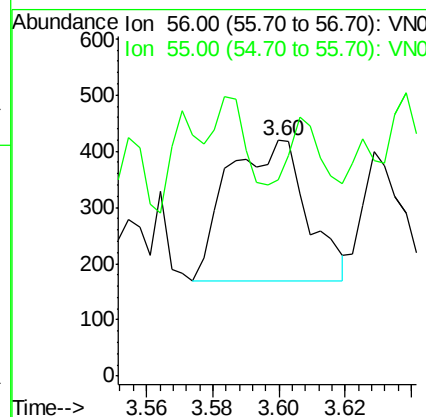
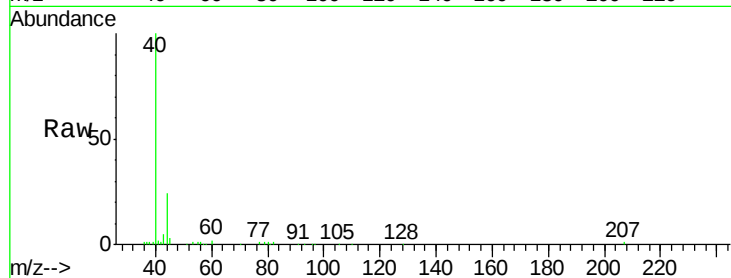




#13
Acrolein
Concen: 0.319 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.01 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

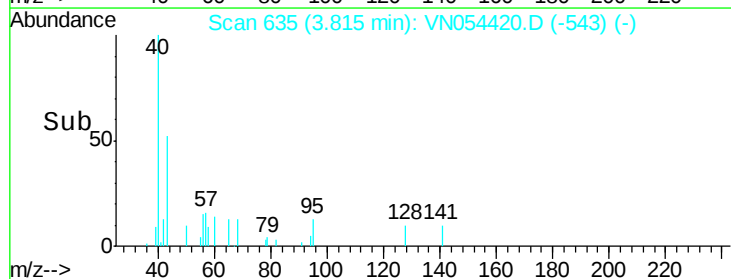
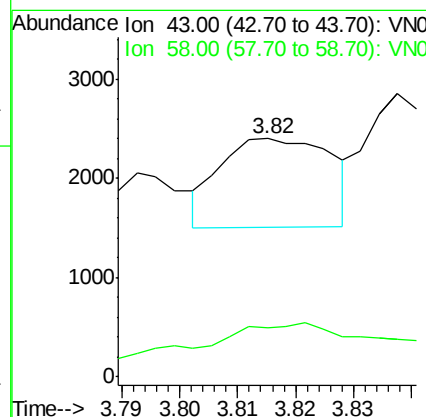
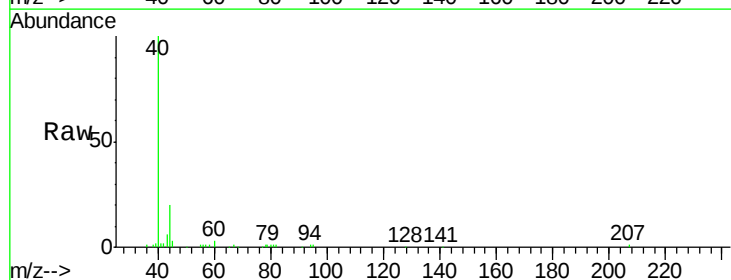
Instrument :
MSVOA_N
ClientSampled :

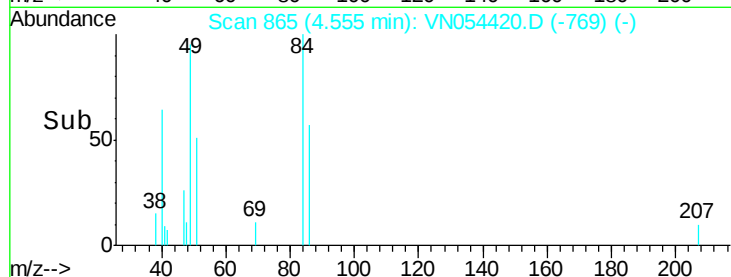
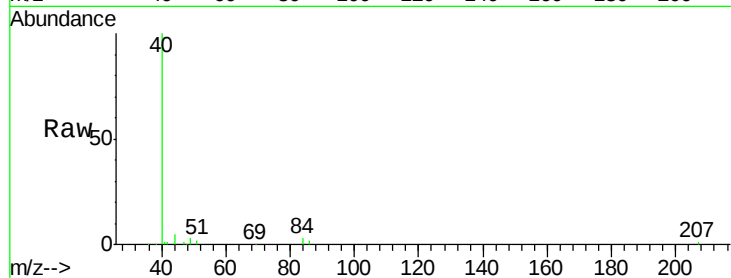
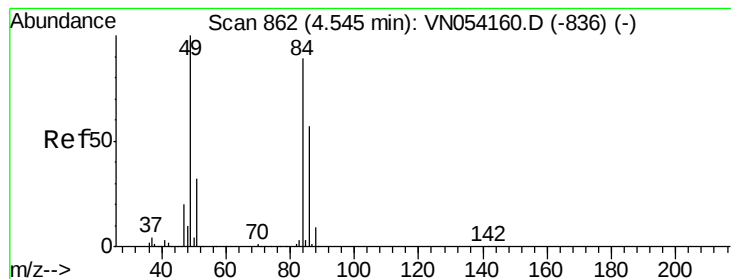
Tot Ion: 56 Resp: 413
Ion Ratio Lower Upper
56 100
55 26.9 56.7 85.1#



#16
Acetone
Concen: 0.208 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
58 37.3 29.9 44.9





#20

Methvlene Chloride

Concen: 0.225 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.01 min

Lab File: VN054420.D

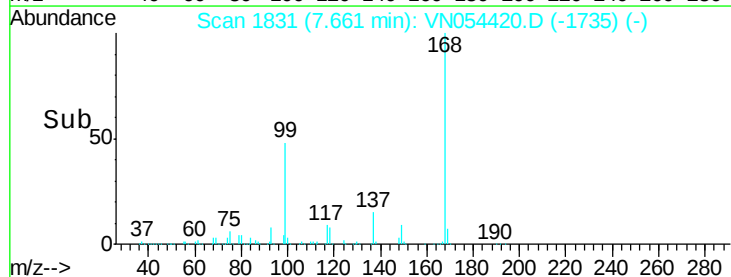
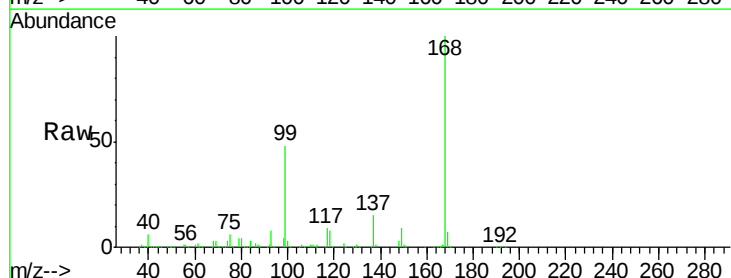
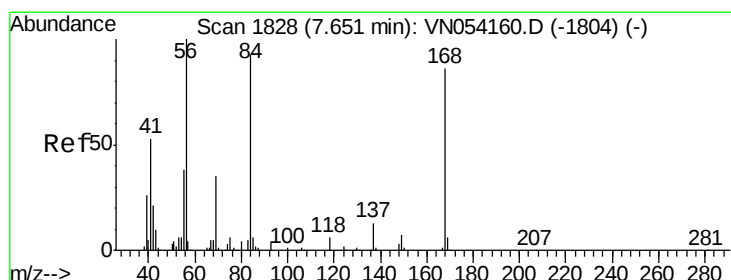
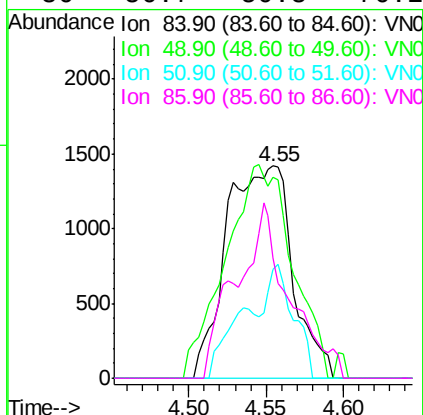
Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	84	Resp:	4220
Ion	Ratio	Lower	Upper
84	100		
49	82.5	89.7	134.5#
51	51.2	28.2	42.4#
86	56.7	50.8	76.2



#31

Cyclohexane

Concen: Below Cal

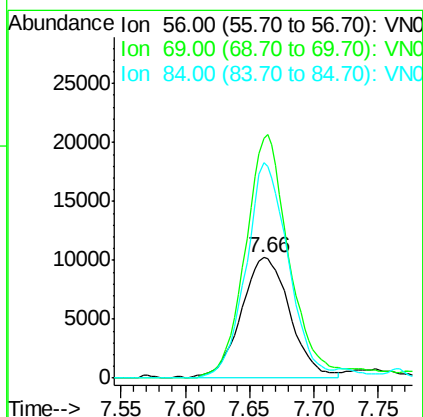
RT: 7.66 min Scan# 1831

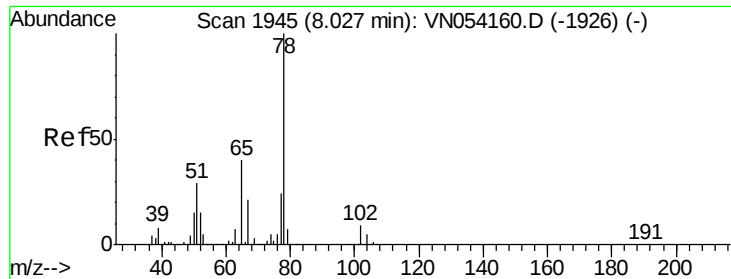
Delta R.T. 0.01 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Tgt Ion:	56	Resp:	27052
Ion	Ratio	Lower	Upper
56	100		
69	199.1	27.8	41.6#
84	179.5	74.6	111.8#

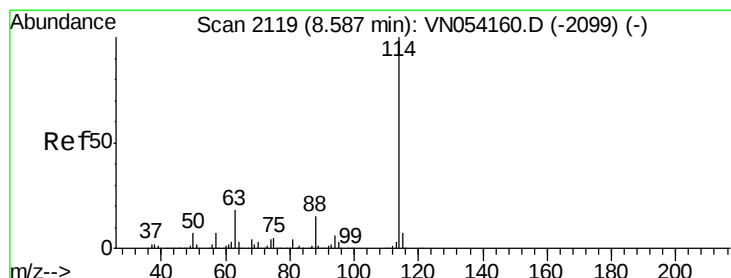
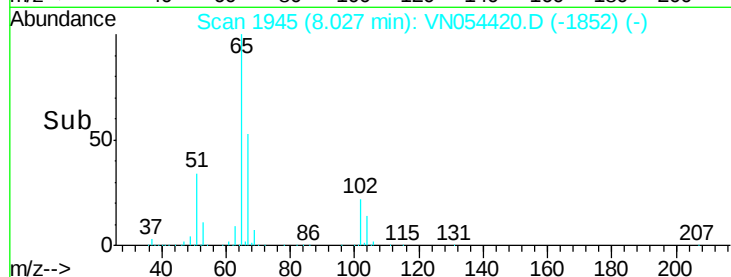
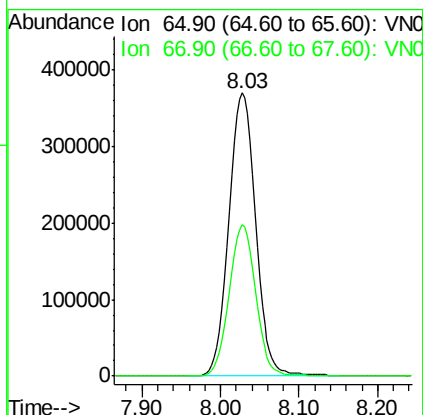
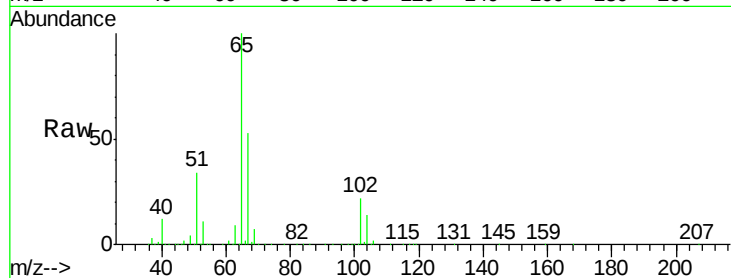




#33
 1,2-Dichloroethane-d4
 Concen: 44.022 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054420.D
 Acq: 19 Mar 2019 4:07

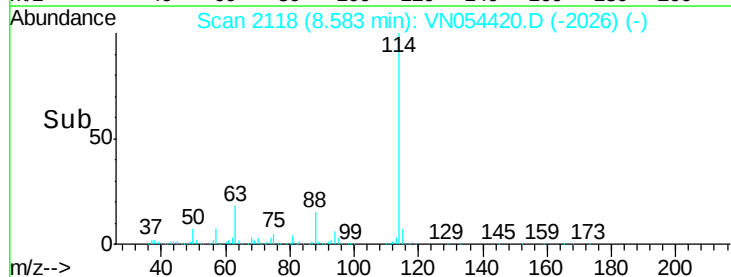
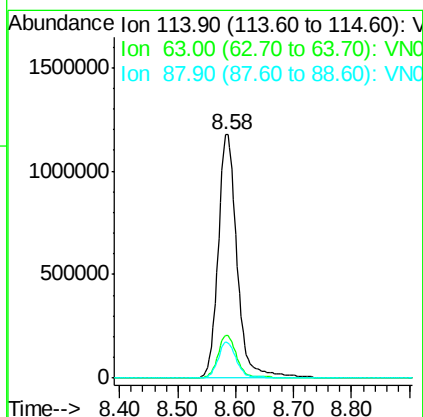
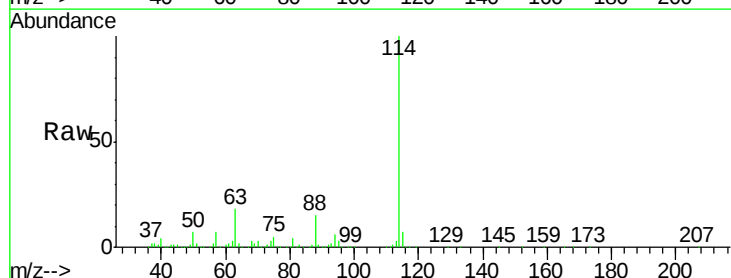
Instrument :
 MSVOA_N
 ClientSampleId :

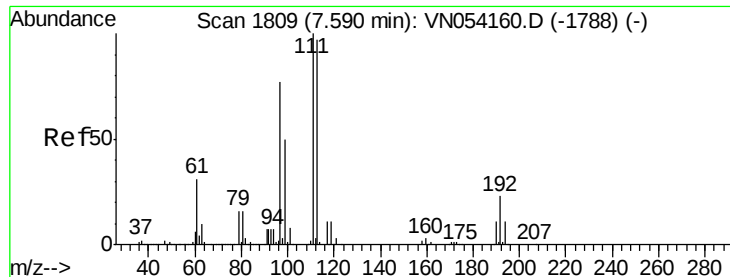
Tot Ion: 65 Resp: 877887
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054420.D
 Acq: 19 Mar 2019 4:07

Tgt Ion: 114 Resp: 2663522
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 35.2
 88 14.8 0.0 30.2

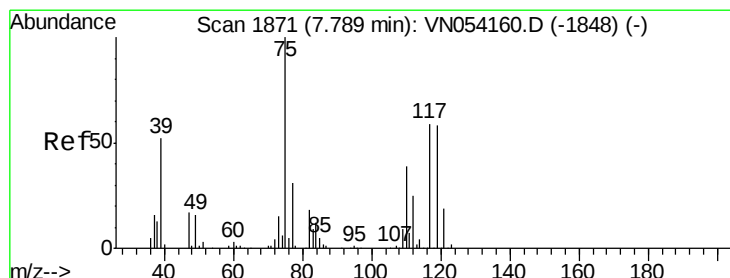
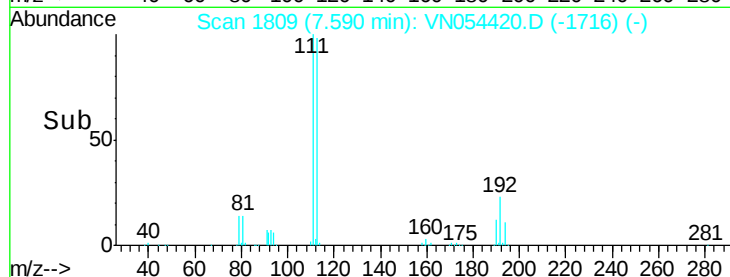
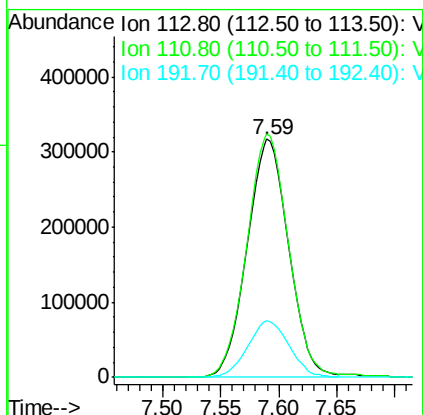
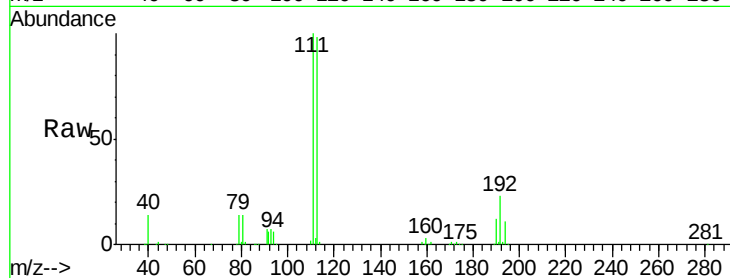




#35
 Dibromofluoromethane
 Concen: 45.899 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054420.D
 Acq: 19 Mar 2019 4:07

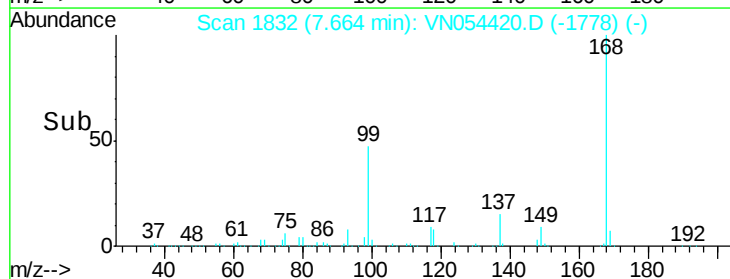
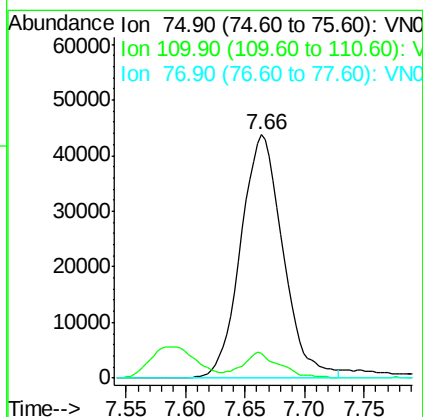
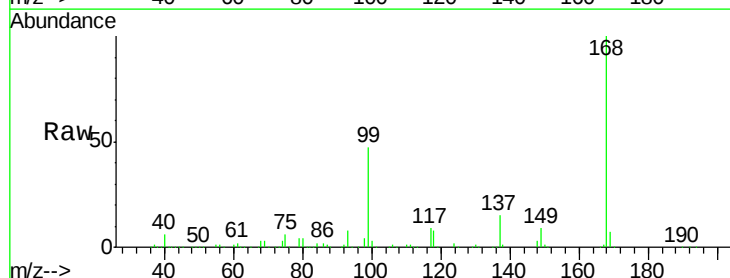
Instrument :
 MSVOA_N
 ClientSampleId :

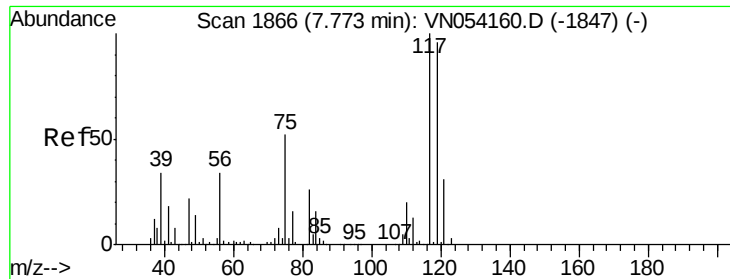
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.382 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054420.D
 Acq: 19 Mar 2019 4:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.1	57.5#
77	0.0	25.0	37.4#

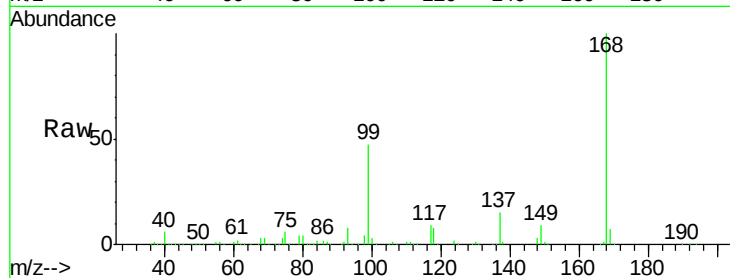




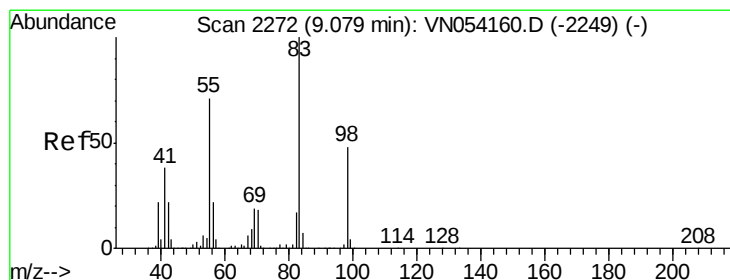
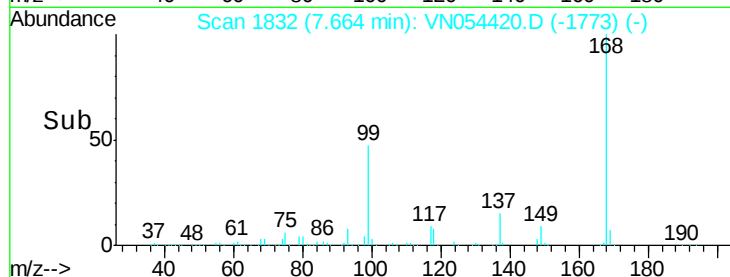
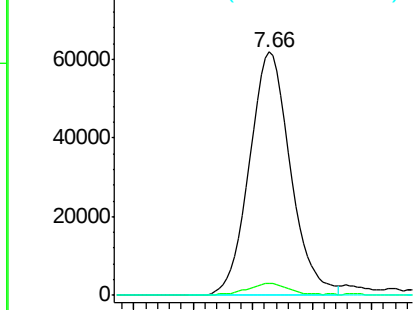
#38
Carbon Tetrachloride
Concen: 5.759 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 148133
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 24.6 36.8#

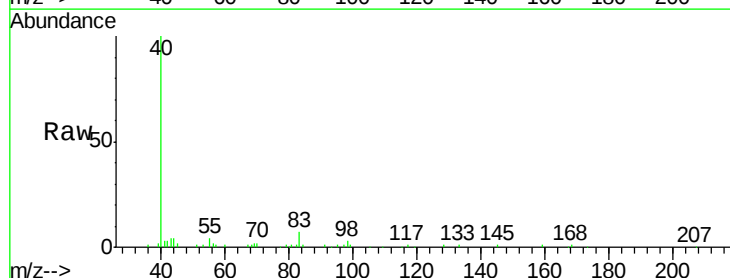


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

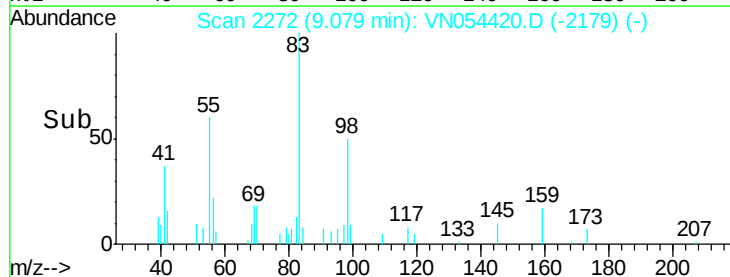
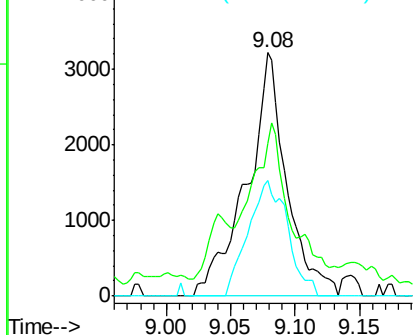


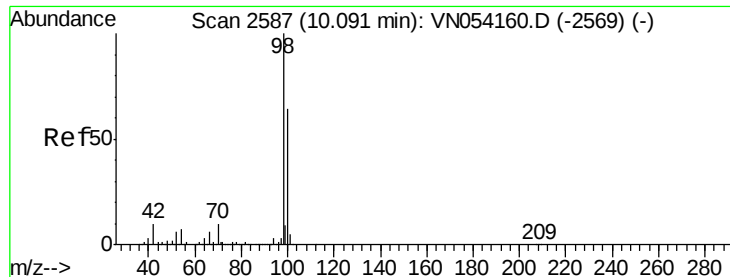
#39
Methylcyclohexane
Concen: 0.231 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

Tgt Ion: 83 Resp: 6975
Ion Ratio Lower Upper
83 100
55 55.8 56.6 84.8#
98 47.5 38.4 57.6



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#50

Toluene-d8

Concen: 48.843 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

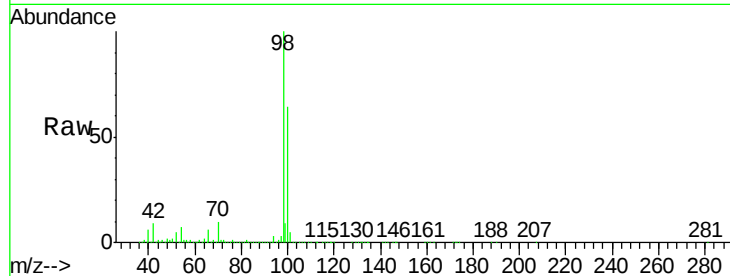
ClientSampleId :

Tot Ion: 98 Resp: 3098721

Ion Ratio Lower Upper

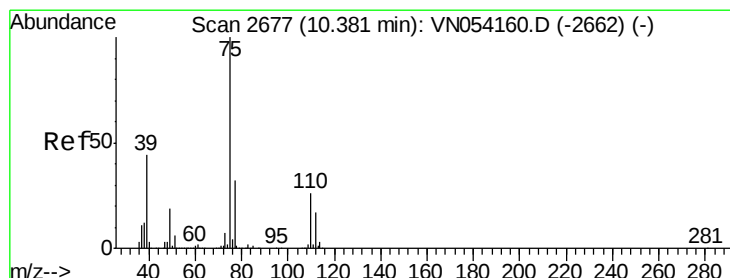
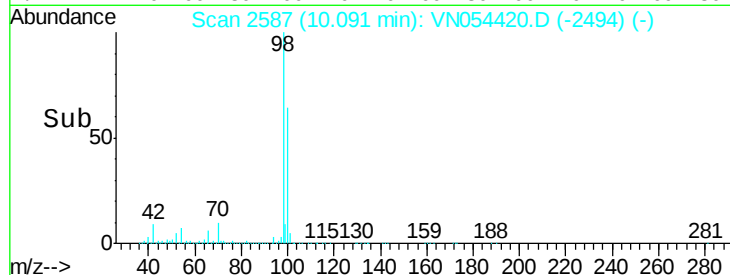
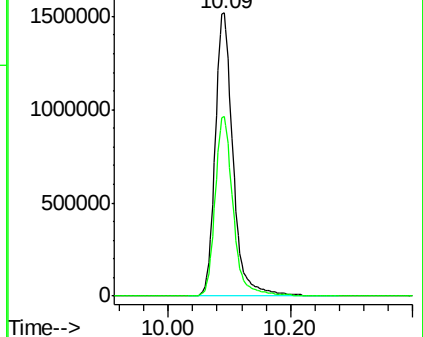
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054420.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054420.D (-2494) (-)



#53

t-1,3-Dichloropropene

Concen: 1.987 ug/l

RT: 10.33 min Scan# 2662

Delta R.T. -0.05 min

Lab File: VN054420.D

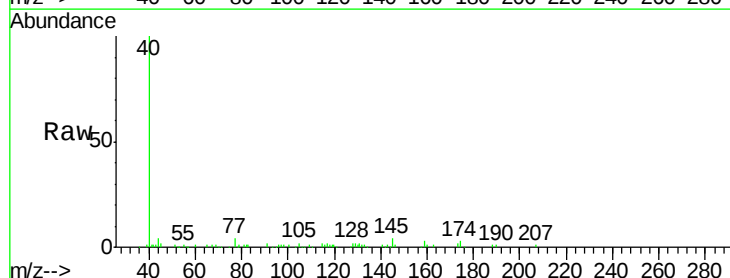
Acq: 19 Mar 2019 4:07

Tgt Ion: 75 Resp: 32

Ion Ratio Lower Upper

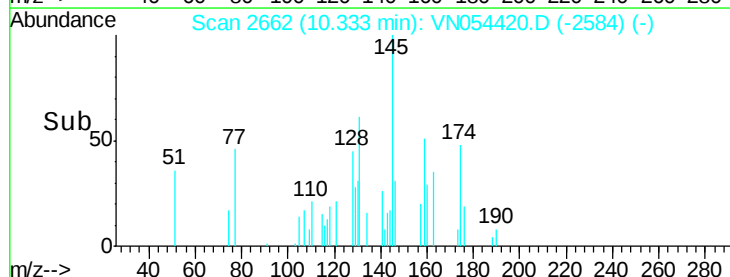
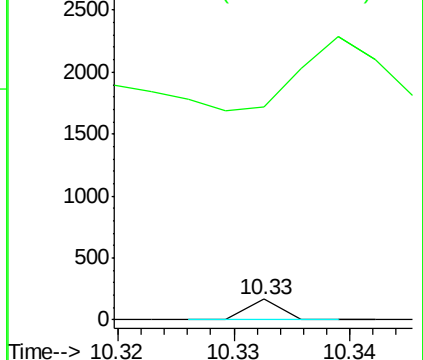
75 100

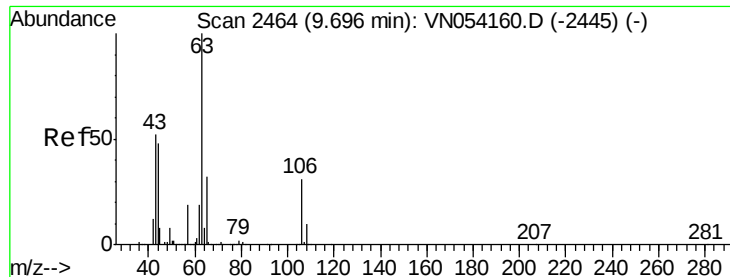
77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054420.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN054420.D (-2584) (-)

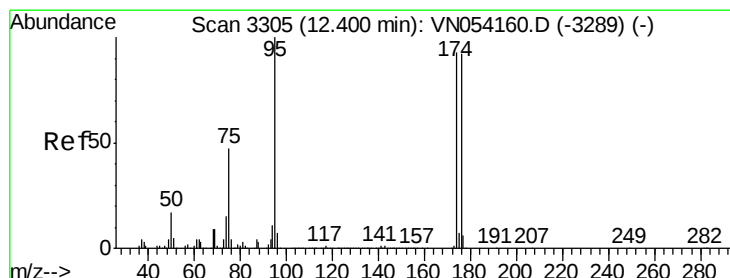
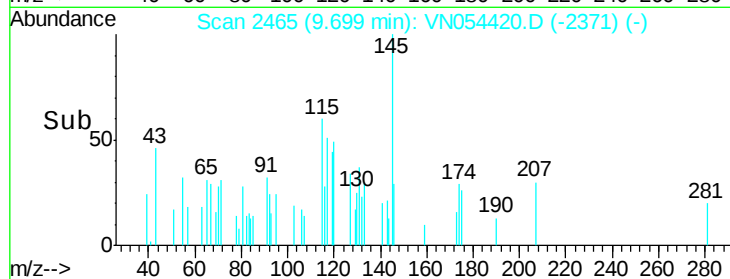
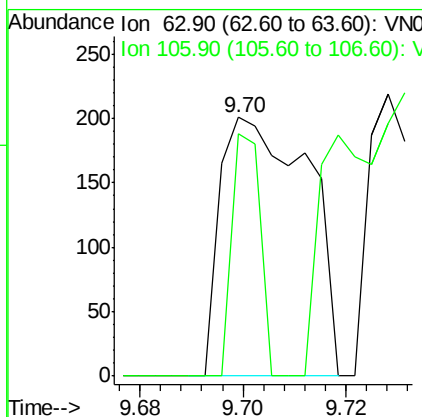
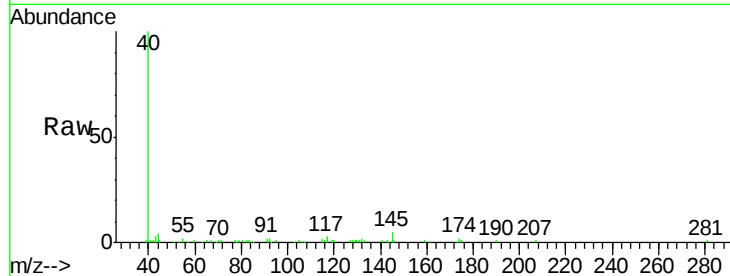




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.854 ug/l
 RT: 9.70 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN054420.D
 Acq: 19 Mar 2019 4:07

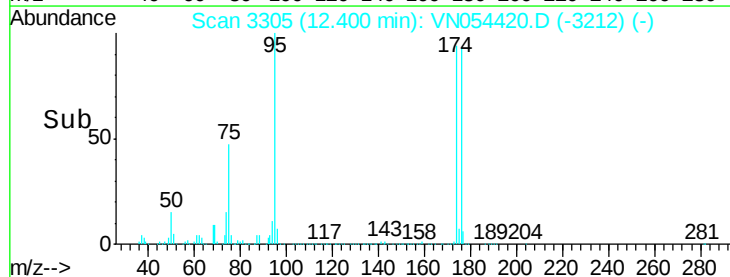
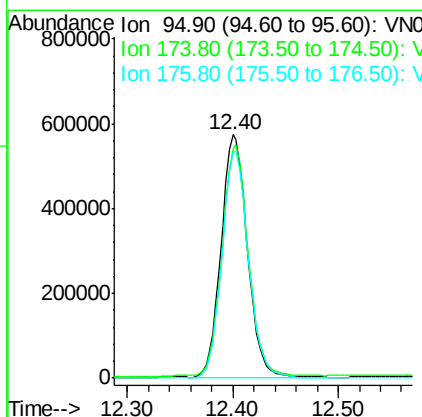
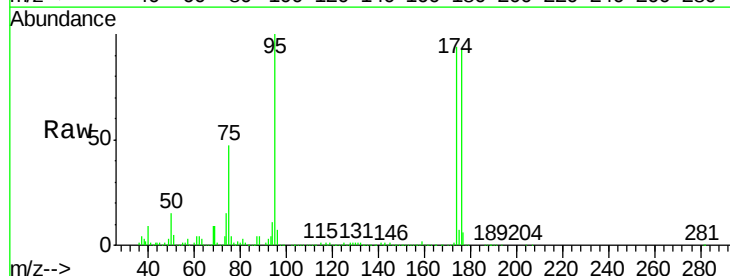
Instrument :
 MSVOA_N
 ClientSampled :

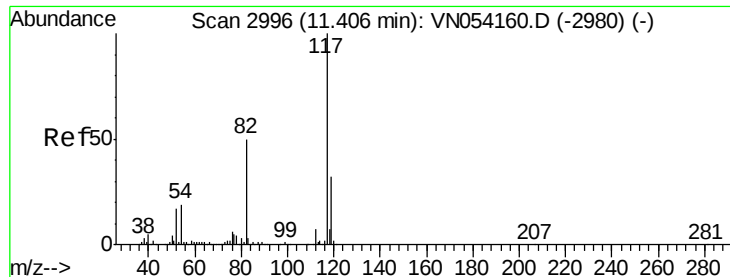
Tot Ion: 63 Resp: 235
 Ion Ratio Lower Upper
 63 100
 106 30.2 24.4 36.6



#62
 4-Bromofluorobenzene
 Concen: 44.255 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054420.D
 Acq: 19 Mar 2019 4:07

Tgt Ion: 95 Resp: 982419
 Ion Ratio Lower Upper
 95 100
 174 96.7 0.0 191.0
 176 94.5 0.0 187.4

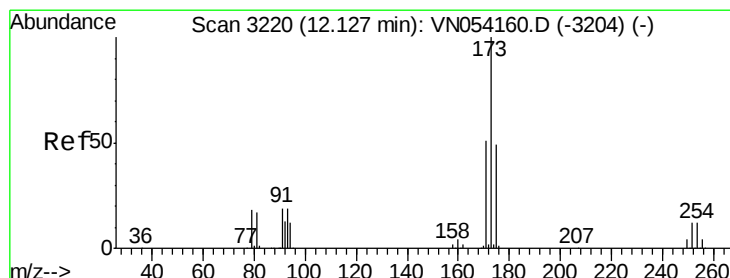
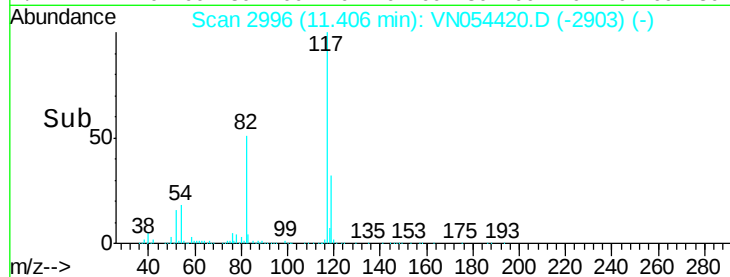
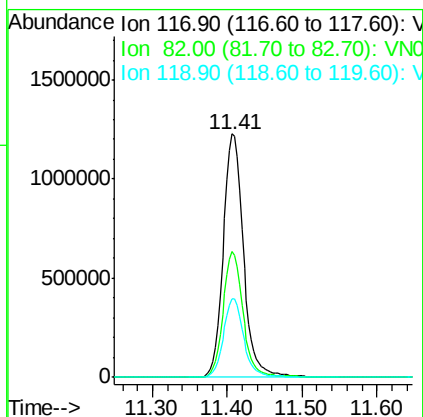
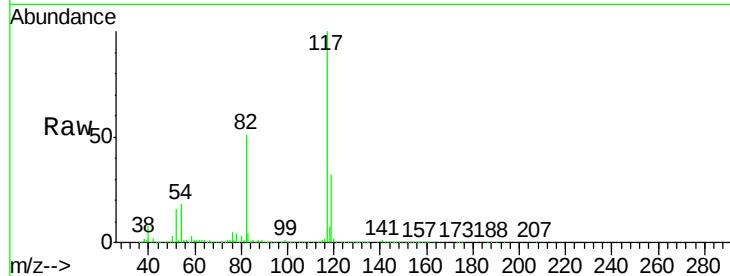




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

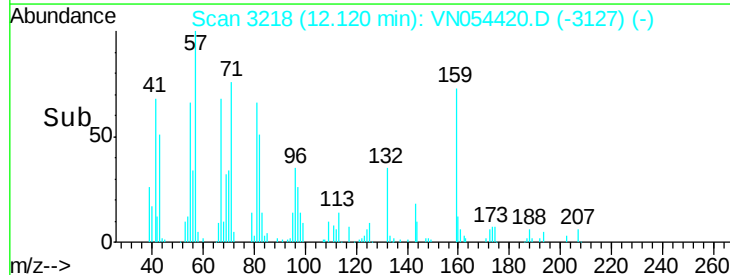
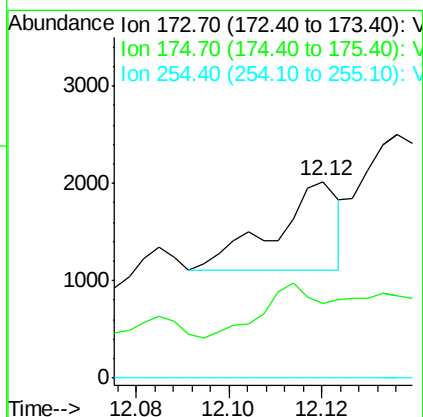
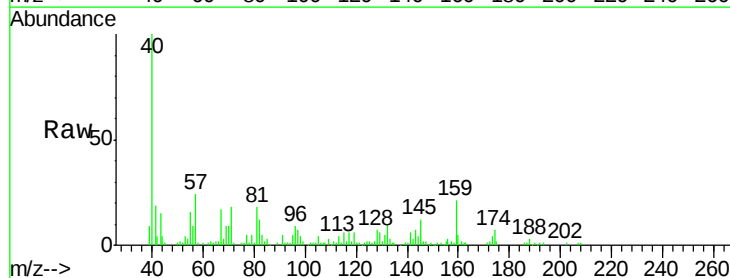
Instrument :
MSVOA_N
ClientSampled :

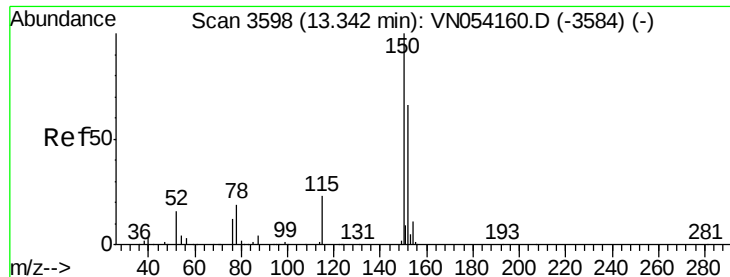
Tot Ion:117 Resp: 2283175
Ion Ratio Lower Upper
117 100
82 51.4 40.0 60.0
119 32.2 25.8 38.6



#71
Bromoform
Concen: 2.411 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.01 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

Tgt Ion:173 Resp: 879
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

ClientSampleId :

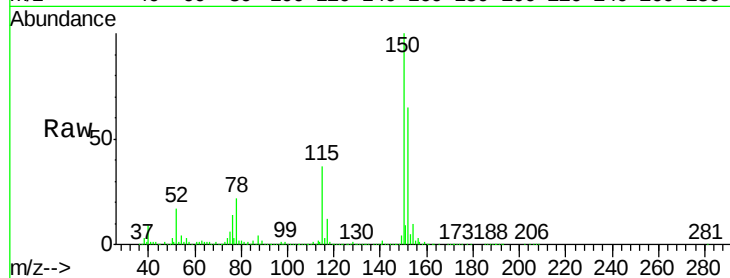
Tot Ion:152 Resp: 987966

Ion Ratio Lower Upper

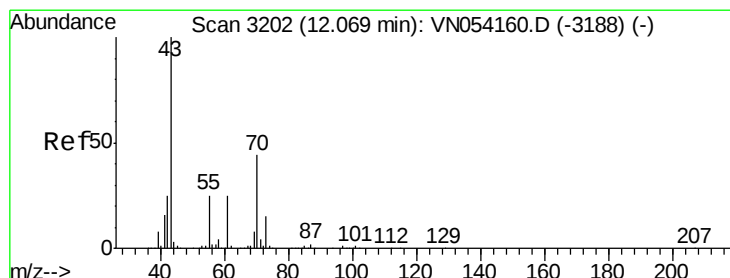
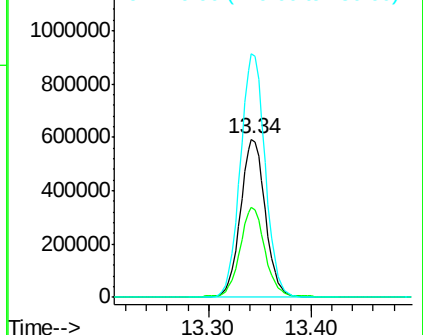
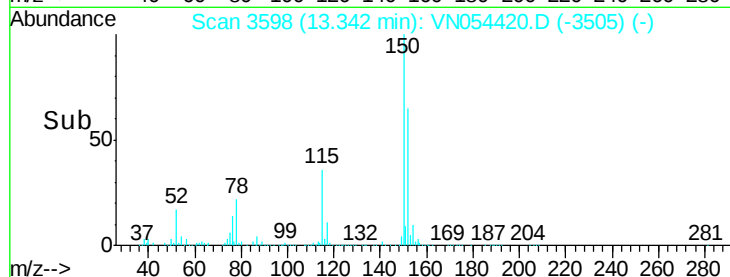
152 100

115 56.6 27.2 81.6

150 154.2 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



#74

N-ethyl acetate

Concen: 1.440 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Tgt Ion: 43 Resp: 25265

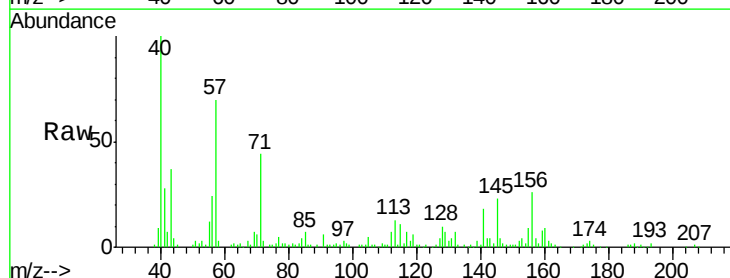
Ion Ratio Lower Upper

43 100

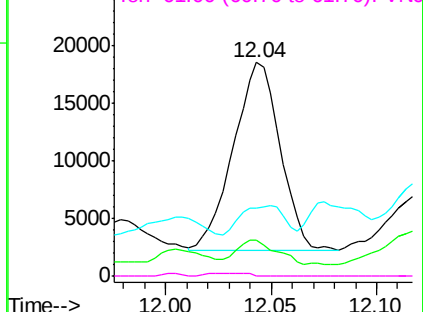
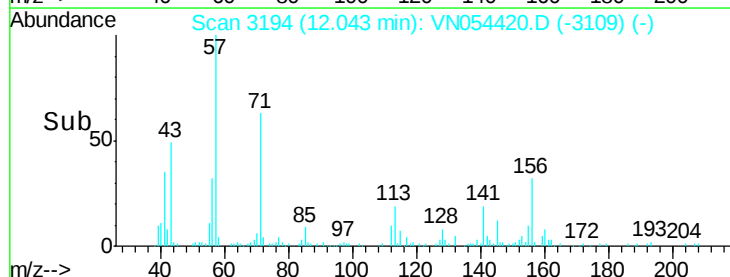
70 11.6 35.4 53.0#

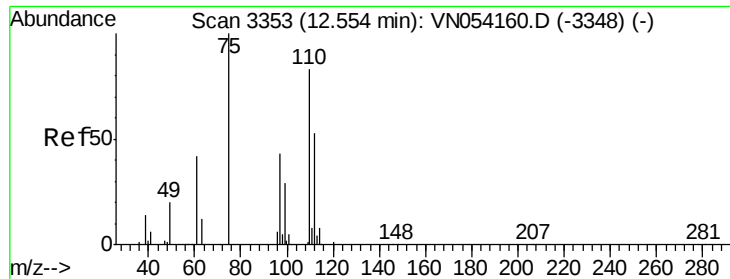
55 13.6 19.8 29.6#

61 1.2 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 70.00 (69.70 to 70.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 32.001 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

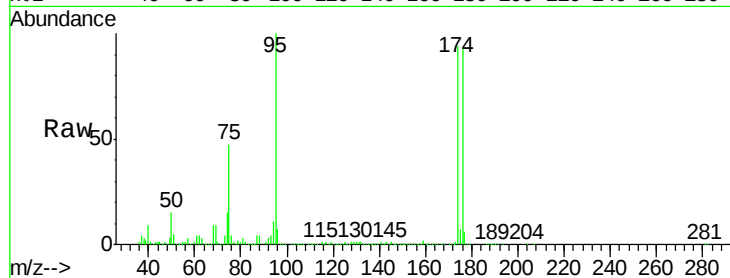
ClientSampleId :

Tot Ion: 75 Resp: 464932

Ion Ratio Lower Upper

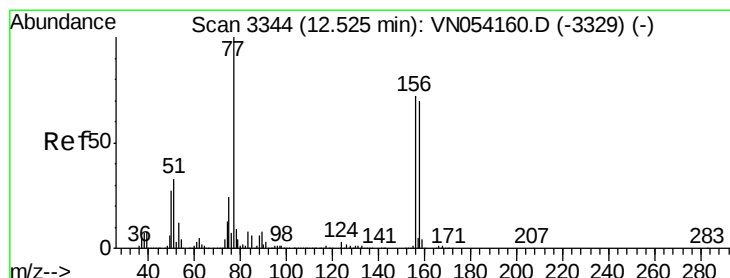
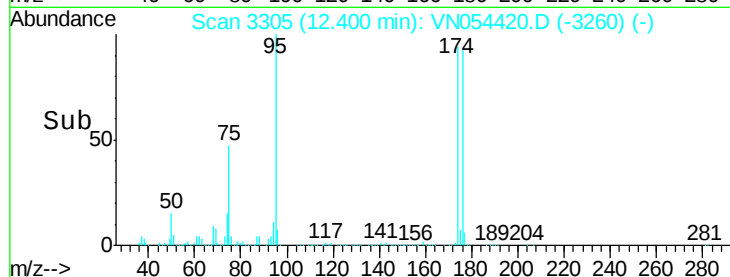
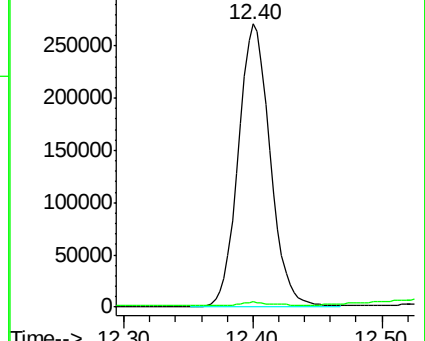
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054420.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054420.D (-3260) (-)



#77

Bromobenzene

Concen: 21.913 ug/l

RT: 12.54 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

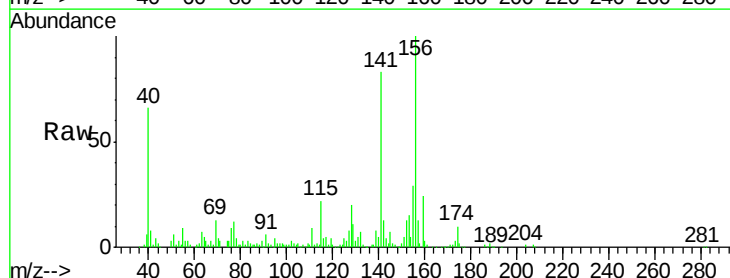
Tgt Ion: 156 Resp: 458342

Ion Ratio Lower Upper

156 100

77 6.0 81.5 244.4#

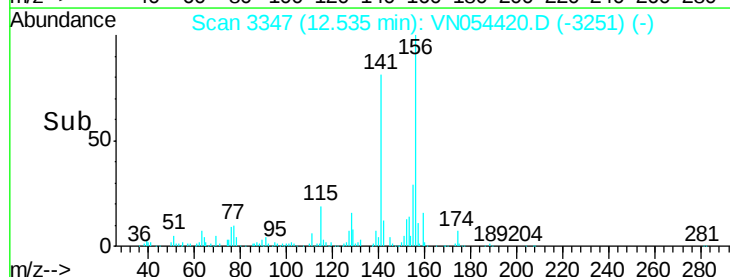
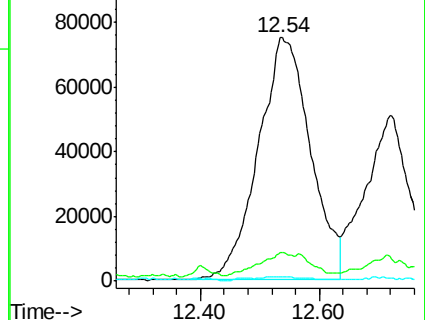
158 0.0 49.0 147.2#

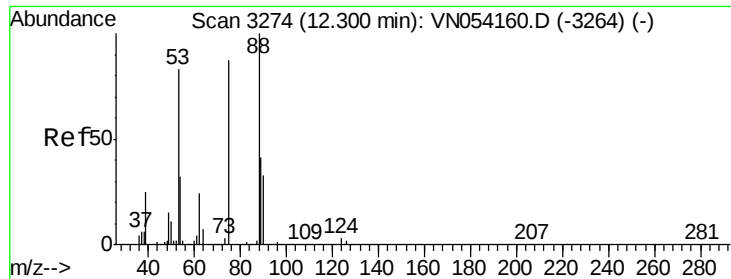


Abundance Ion 155.80 (155.50 to 156.50): VN054420.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN054420.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN054420.D (-3251) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 109.395 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

ClientSampled :

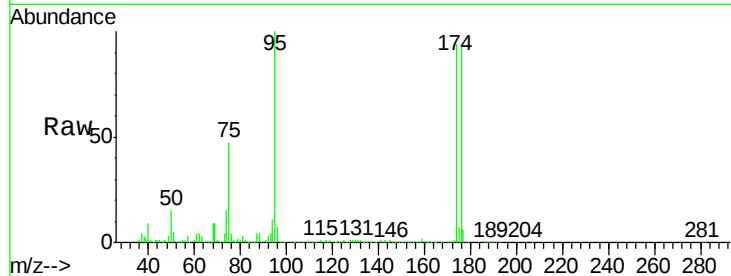
Tot Ion: 75 Resp: 464932

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

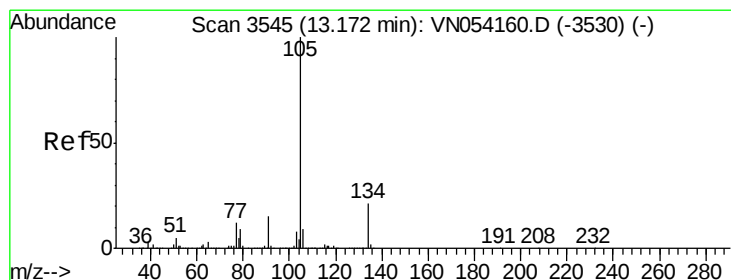
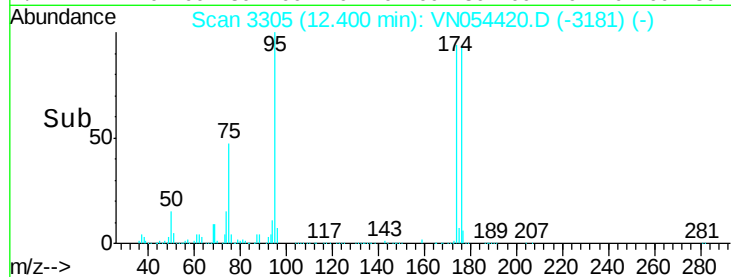
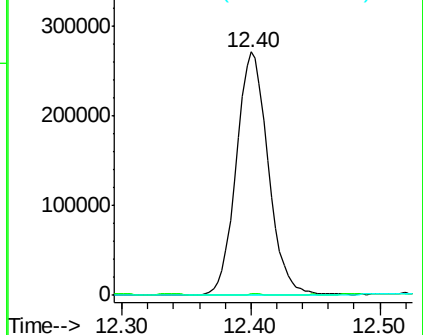
89 0.1 39.2 58.8#



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



#85

sec-Butylbenzene

Concen: 0.847 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054420.D

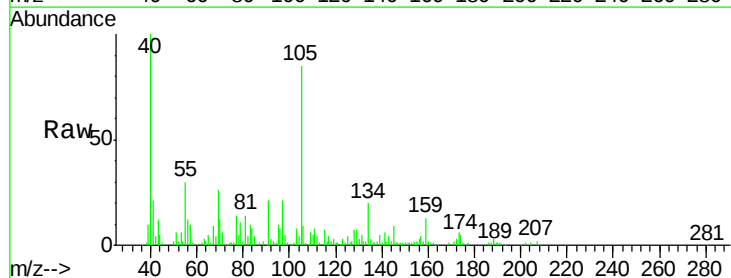
Acq: 19 Mar 2019 4:07

Tgt Ion:105 Resp: 66487

Ion Ratio Lower Upper

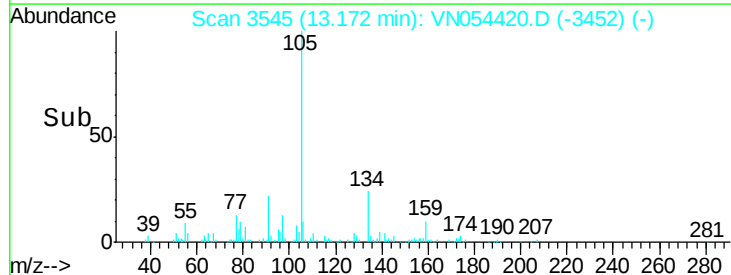
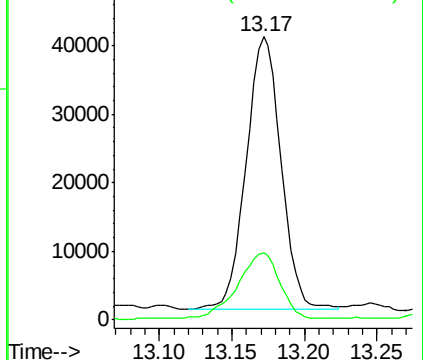
105 100

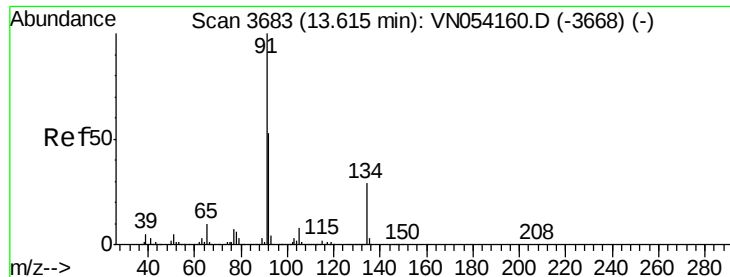
134 29.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.610 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

ClientSampleId :

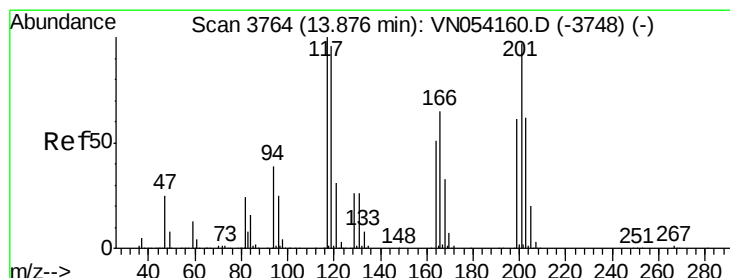
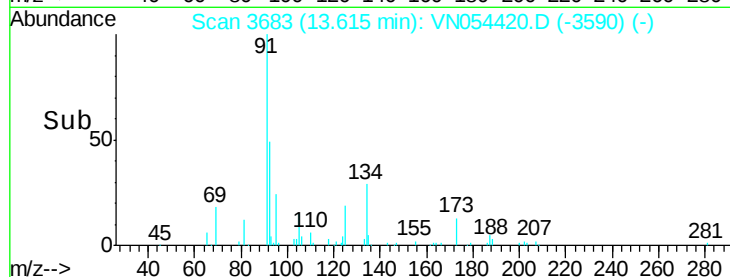
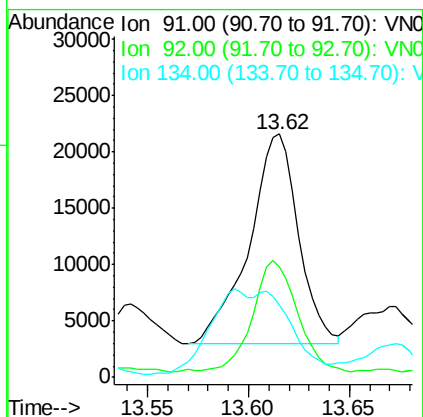
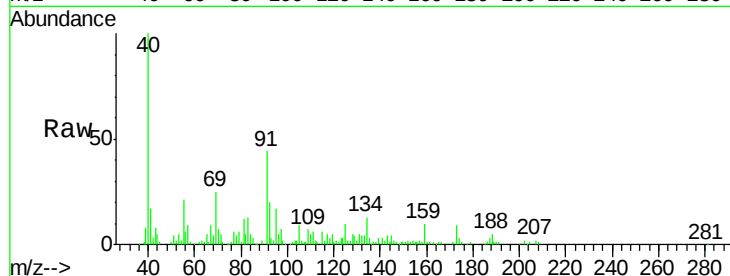
Tot Ion: 91 Resp: 31919

Ion Ratio Lower Upper

91 100

92 48.3 26.2 78.6

134 0.0 14.3 42.9#



#90

Hexachloroethane

Concen: 1.163 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054420.D

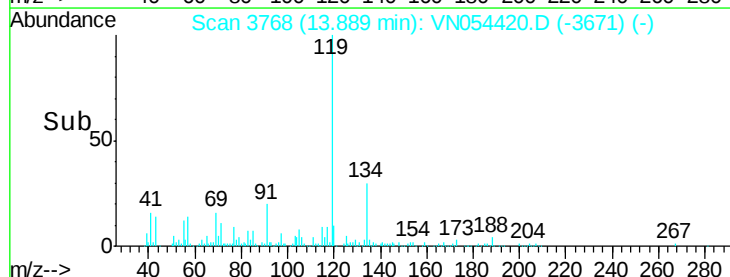
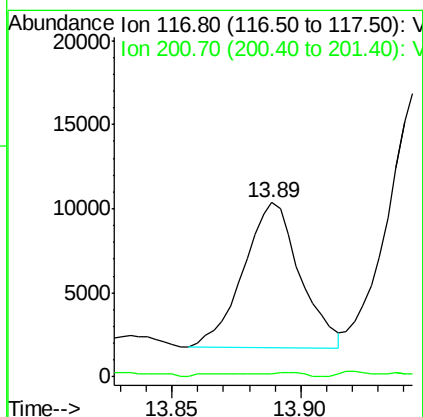
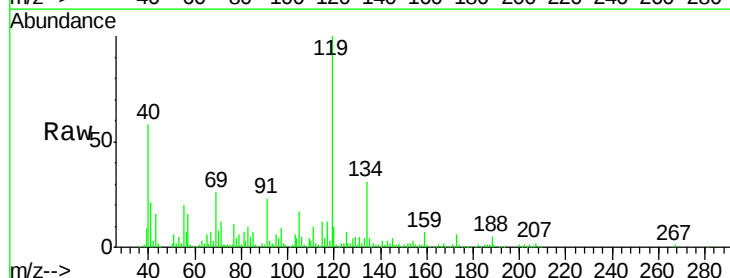
Acq: 19 Mar 2019 4:07

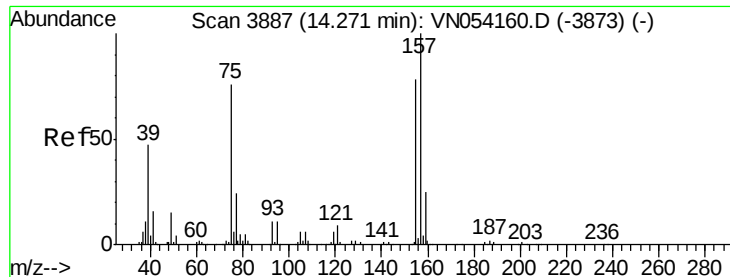
Tgt Ion: 117 Resp: 13263

Ion Ratio Lower Upper

117 100

201 1.7 48.1 144.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.480 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.01 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

Instrument :

MSVOA_N

ClientSampled :

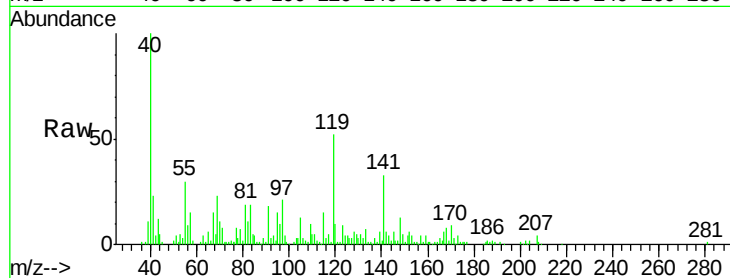
Tot Ion: 75 Resp: 1252

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

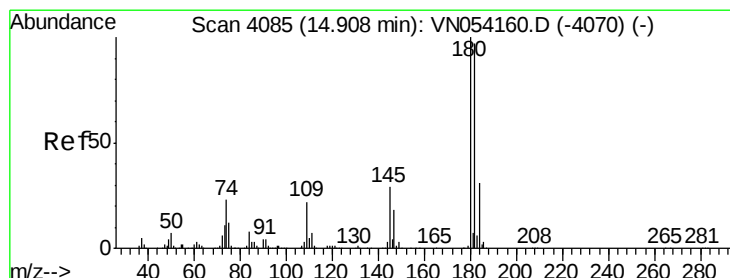
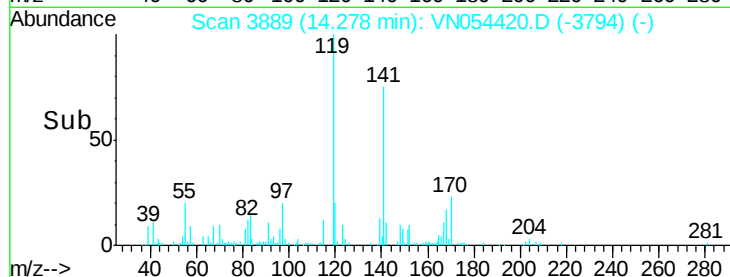
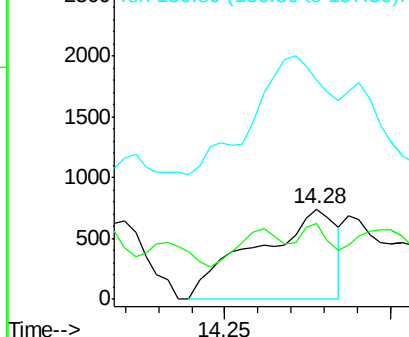
157 120.8 63.1 189.3



Abundance Ion 74.90 (74.60 to 75.60): VN054420.D (-3794) (-)

Ion 154.80 (154.50 to 155.50): VN054420.D (-3794) (-)

Ion 156.80 (156.50 to 157.50): VN054420.D (-3794) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.565 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054420.D

Acq: 19 Mar 2019 4:07

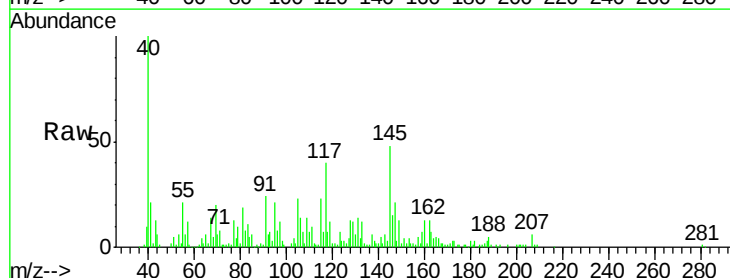
Tgt Ion: 180 Resp: 1062

Ion Ratio Lower Upper

180 100

182 197.3 48.0 144.2#

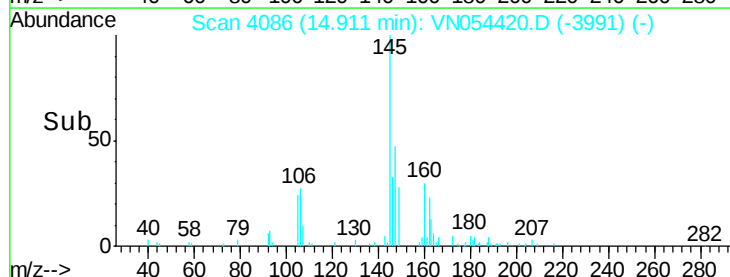
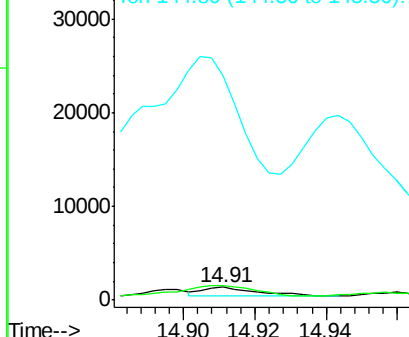
145 5525.4 14.2 42.8#

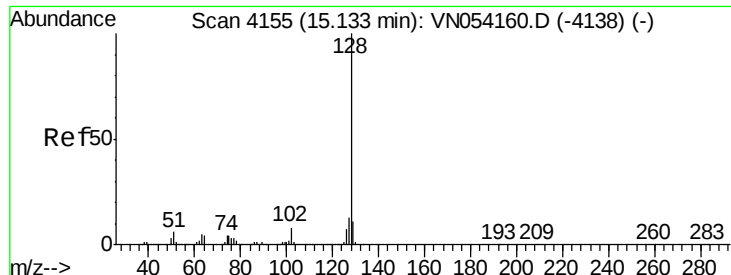


Abundance Ion 179.80 (179.50 to 180.50): VN054420.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN054420.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN054420.D (-3991) (-)

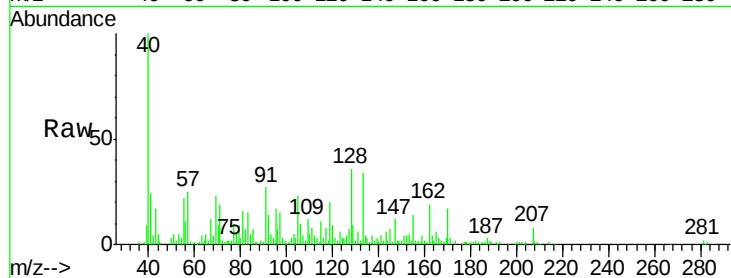




#95
Naphthalene
Concen: 3.868 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054420.D
Acq: 19 Mar 2019 4:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.9	10.1	15.1#
129	0.0	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

