

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054425.D
 Acq On : 19 Mar 2019 6:24
 Operator : JC/SP
 Sample : K1970-02 10X
 Misc : 6.11g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:54:03 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	2000762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2815666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2424978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1133123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	887378	41.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.52%	
35) Dibromofluoromethane	7.59	113	830831	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
50) Toluene-d8	10.09	98	3286897	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	1065689	45.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.82%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.95	142	494	1.513	ug/l #	84
13) Acrolein	3.61	56	608	0.440	ug/l #	67
31) Cyclohexane	7.65	56	76499	1.196	ug/l #	57
36) 1,1-Dichloropropene	7.66	75	113457	4.376	ug/l #	48
38) Carbon Tetrachloride	7.67	117	158692	5.836	ug/l #	16
39) Methylcyclohexane	9.08	83	255125	7.997	ug/l	98
43) Isopropyl Acetate	8.15	43	9055	0.346	ug/l #	60
48) Methyl methacrylate	9.14	41	11535	0.869	ug/l #	11
49) 1,4-Dioxane	8.92	88	69	0.368	ug/l #	27
51) 4-Methyl-2-Pentanone	10.09	43	21625	1.563	ug/l #	1
53) t-1,3-Dichloropropene	10.26	75	68	1.988	ug/l #	24
55) 1,1,2-Trichloroethane	10.53	97	77473	4.510	ug/l #	20
56) Ethyl methacrylate	10.43	69	26061	1.272	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.84	63	241	16.853	ug/l	90
59) 2-Hexanone	10.72	43	89378	9.706	ug/l #	29
67) Ethyl Benzene	11.51	91	739015	8.373	ug/l	99
68) m/p-Xylenes	11.62	106	272727	7.906	ug/l	99
69) o-Xylene	11.95	106	104359	3.103	ug/l	96
71) Bromoform	12.12	173	472	2.381	ug/l #	28
73) Isopropylbenzene	12.25	105	488688	5.391	ug/l	100
74) N-amyl acetate	12.04	43	117576	5.843	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.45	83	9267	0.480	ug/l #	5
76) 1,2,3-Trichloropropane	12.40	75	494203	29.659	ug/l #	100
77) Bromobenzene	12.55	156	384210	16.016	ug/l #	1
78) n-propylbenzene	12.59	91	1130720	11.495	ug/l	100
79) 2-Chlorotoluene	12.69	91	131665	2.226	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	1018338	13.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	494203	101.386	ug/l #	11
82) 4-Chlorotoluene	12.73	91	98683	1.671	ug/l #	47
83) tert-Butylbenzene	12.99	119	22926	0.330	ug/l #	28
84) 1,2,4-Trimethylbenzene	13.04	105	5094605	68.866	ug/l	100
85) sec-Butylbenzene	13.17	105	875943	9.731	ug/l	89
86) p-Isopropyltoluene	13.29	119	523057	6.624	ug/l	98
89) n-Butylbenzene	13.61	91	621860	10.364	ug/l #	74

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Instrument :
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ClientSampleId :

Quant Time: Mar 19 07:54:03 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

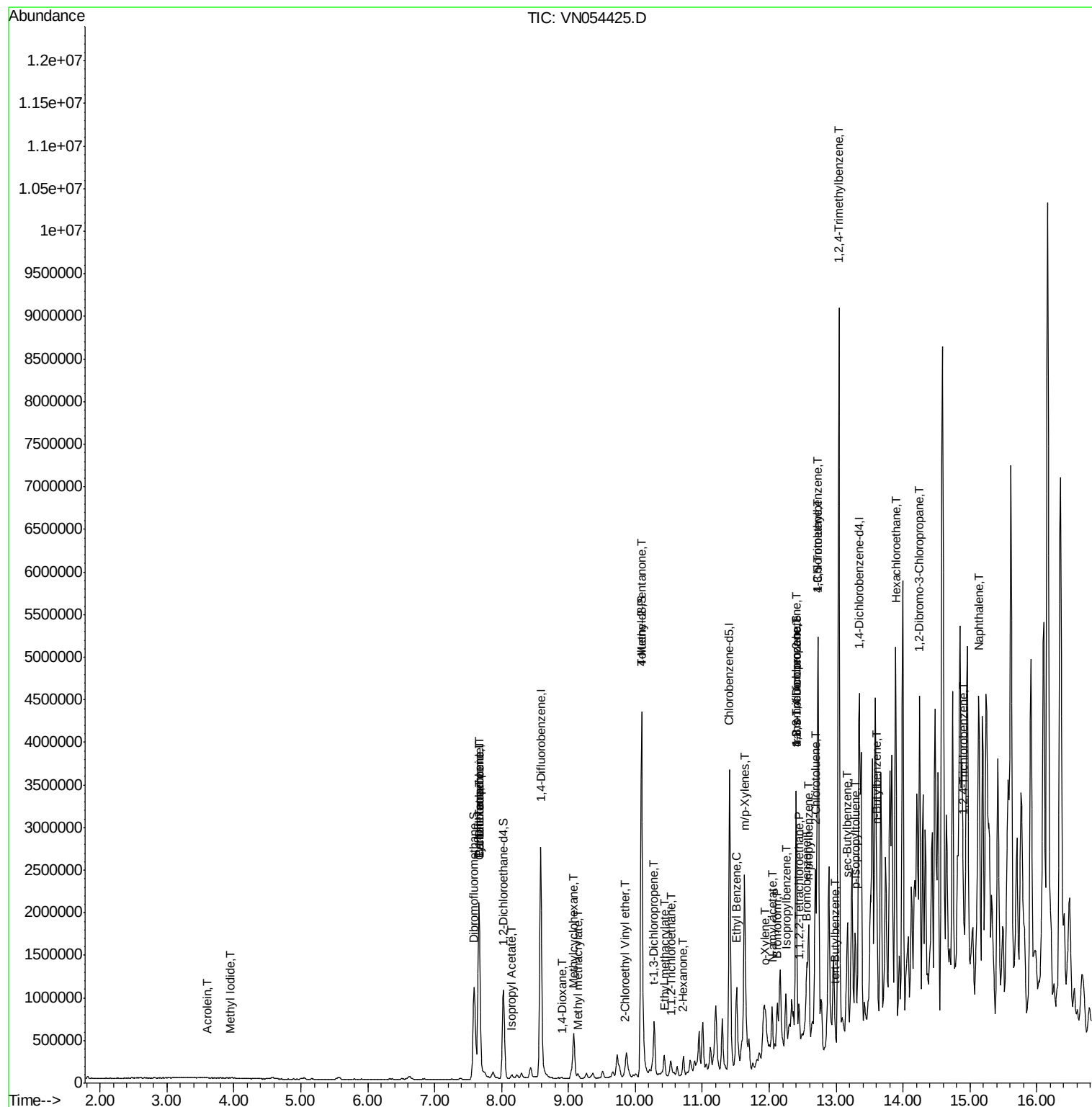
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	209385	16.013	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12954	4.334	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	2186	2.604	ug/l #	1
95) Naphthalene	15.13	128	2610954	52.359	ug/l	99

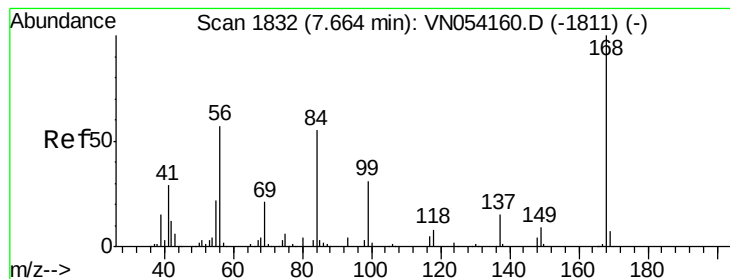
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

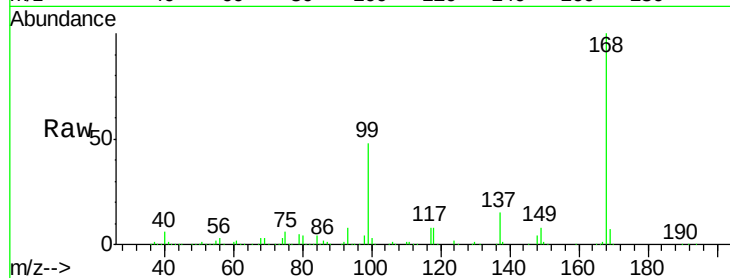
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 2000762

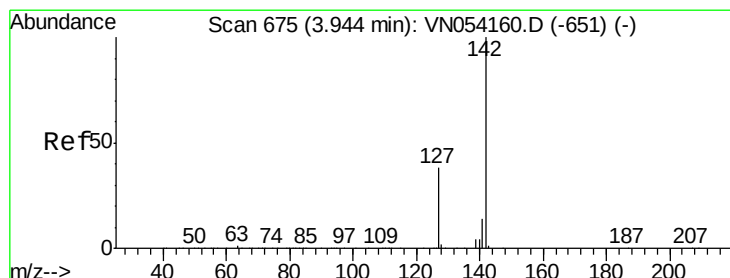
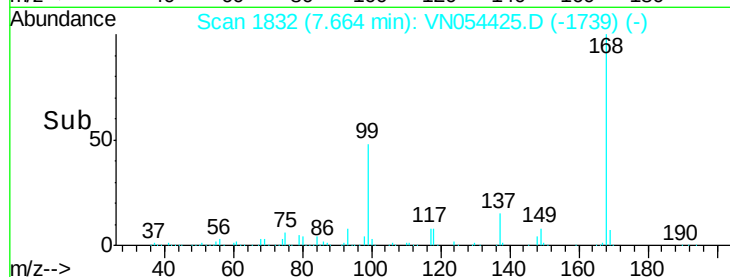
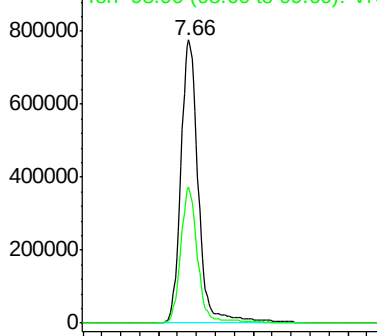
Ion Ratio Lower Upper

168 100

99 48.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 1.513 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

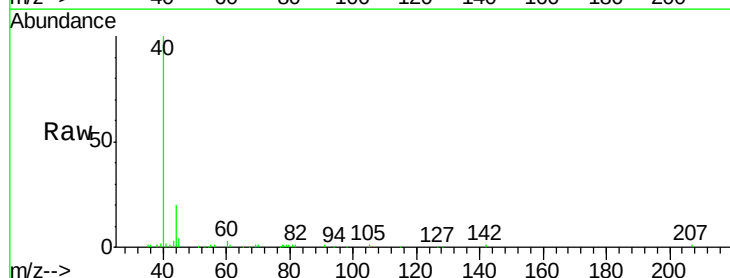
Tgt Ion:142 Resp: 494

Ion Ratio Lower Upper

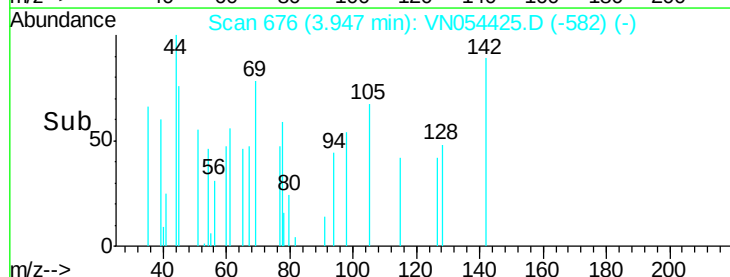
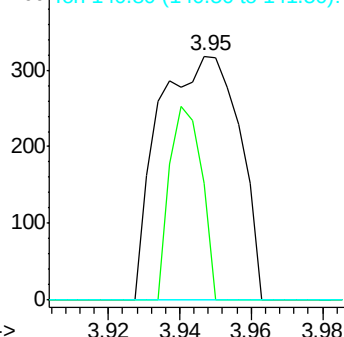
142 100

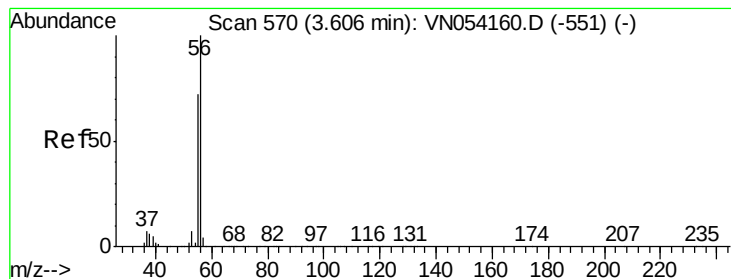
127 32.0 30.3 45.5

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





#13

Acrolein

Concen: 0.440 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

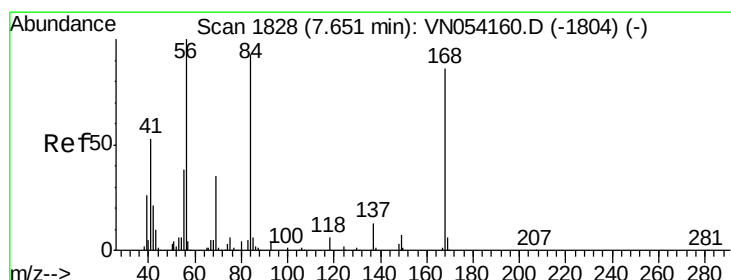
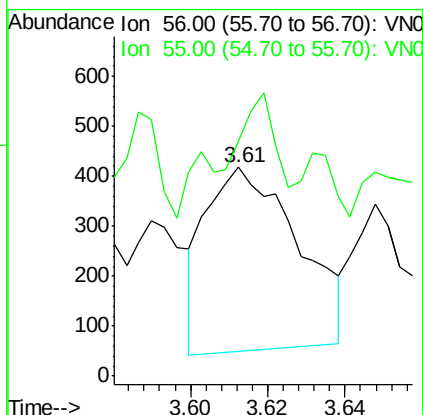
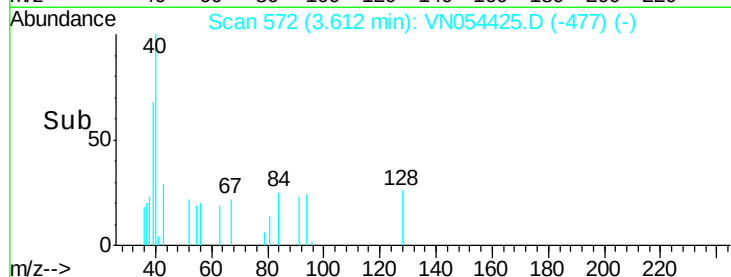
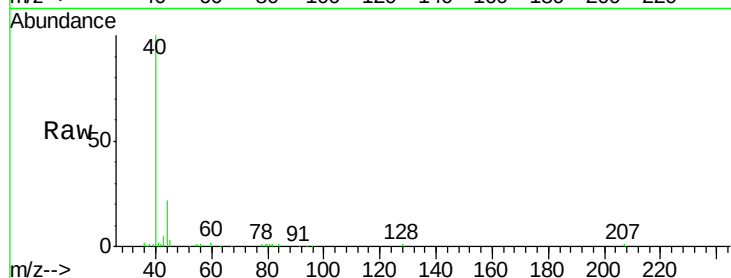
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 608

Ion Ratio Lower Upper

56 100

55 43.6 56.7 85.1#



#31

Cyclohexane

Concen: 1.196 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

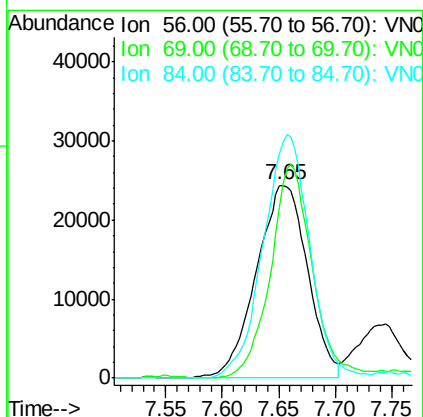
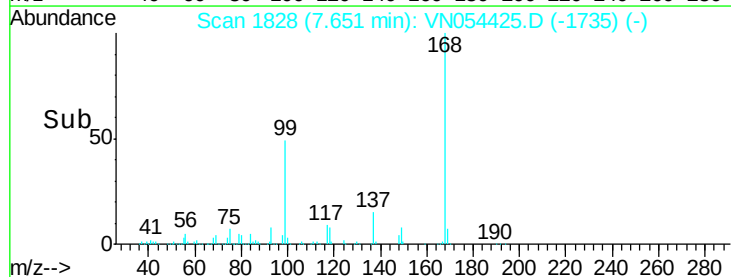
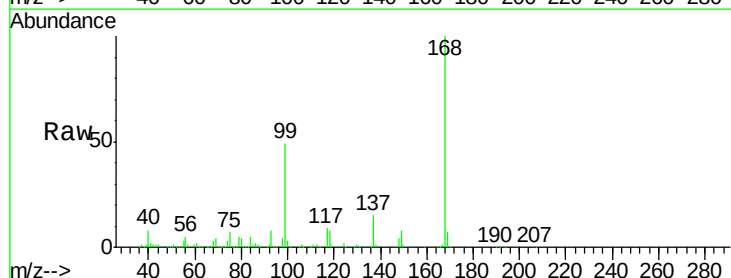
Tgt Ion: 56 Resp: 76499

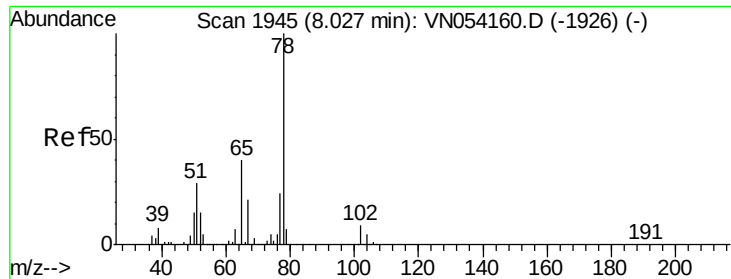
Ion Ratio Lower Upper

56 100

69 88.8 27.8 41.6#

84 116.4 74.6 111.8#

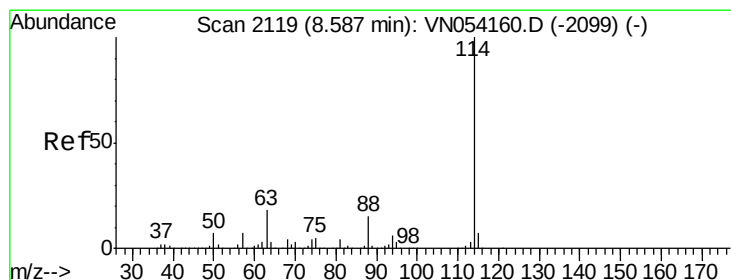
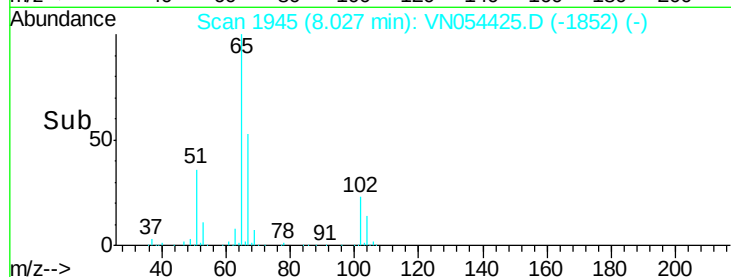
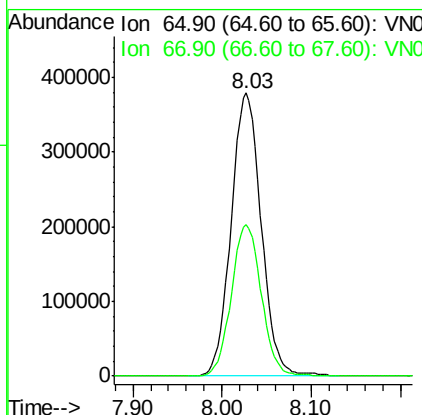
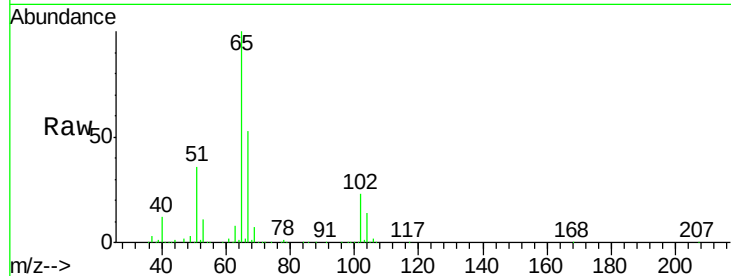




#33
 1,2-Dichloroethane-d4
 Concen: 41.763 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

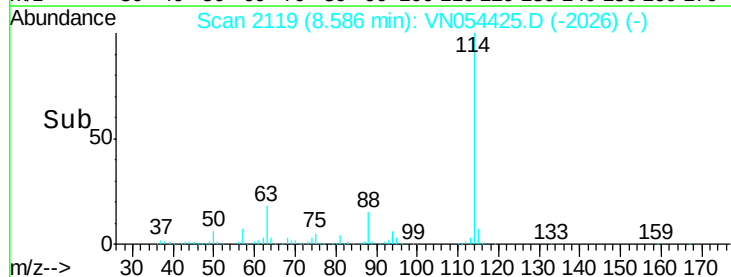
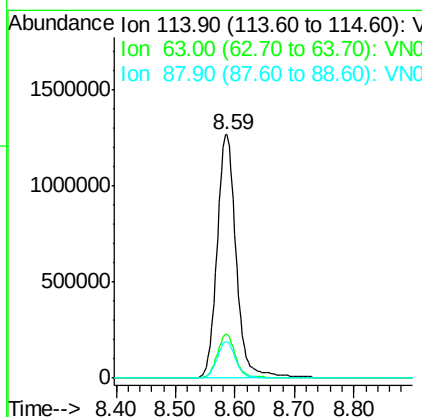
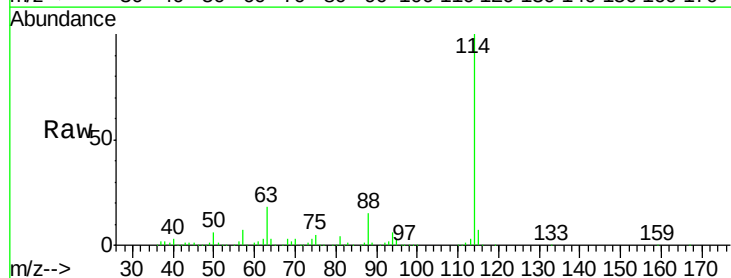
Instrument :
 MSVOA_N
 ClientSampled :

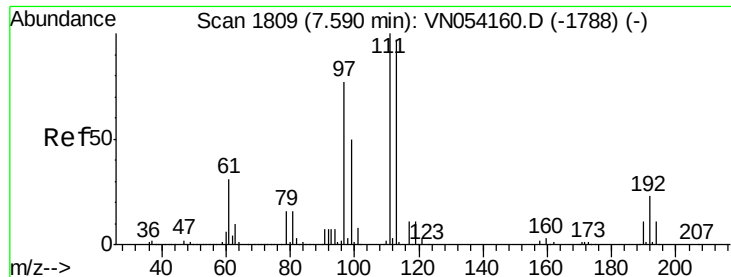
Tot Ion: 65 Resp: 887378
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Tgt Ion: 114 Resp: 2815666
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 15.0 0.0 30.2

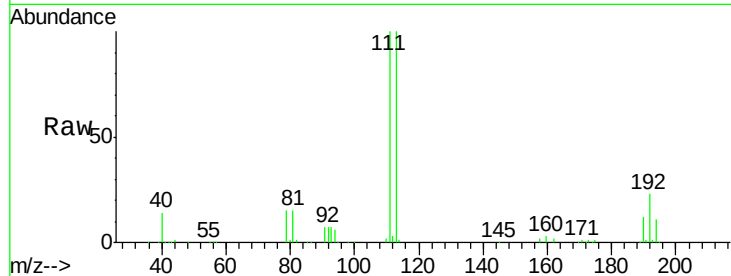




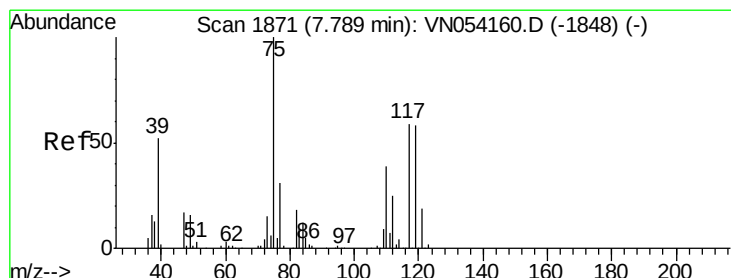
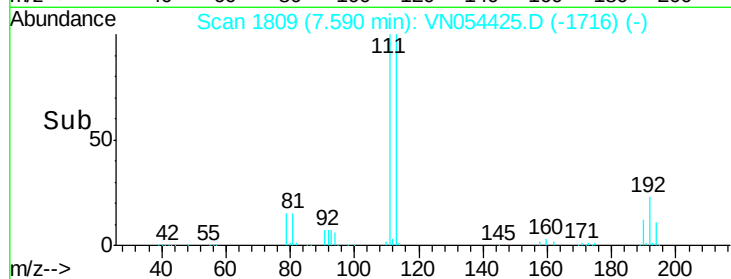
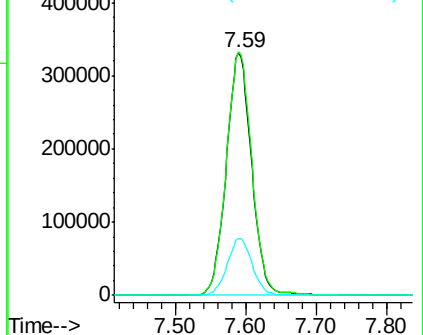
#35
 Dibromofluoromethane
 Concen: 45.751 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 830831
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.2 123.4
 192 23.1 19.2 28.8

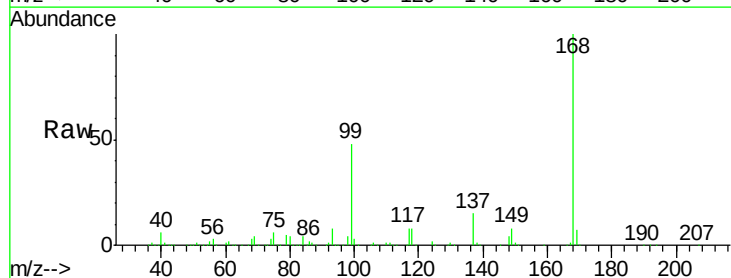


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

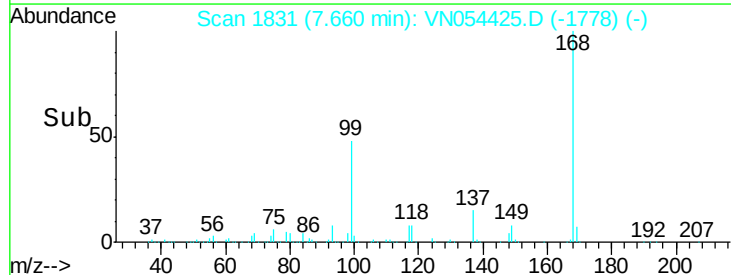
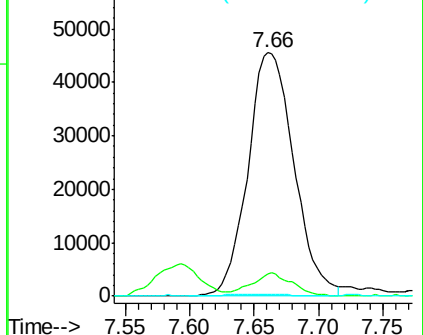


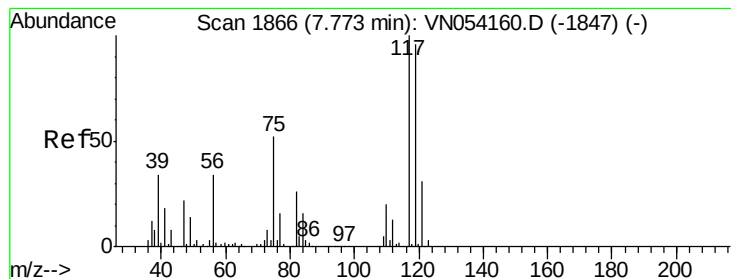
#36
 1,1-Dichloropropene
 Concen: 4.376 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Tgt Ion: 75 Resp: 113457
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.1 57.5#
 77 0.4 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: 5.836 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

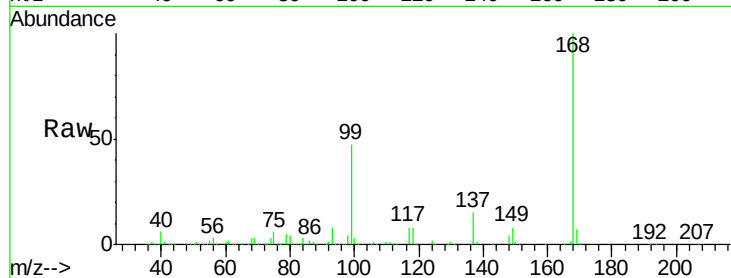
Tot Ion:117 Resp: 158692

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

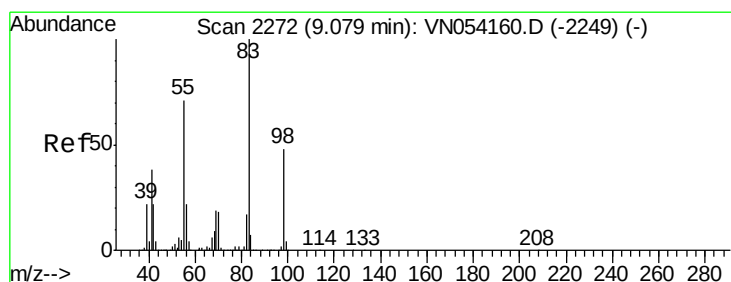
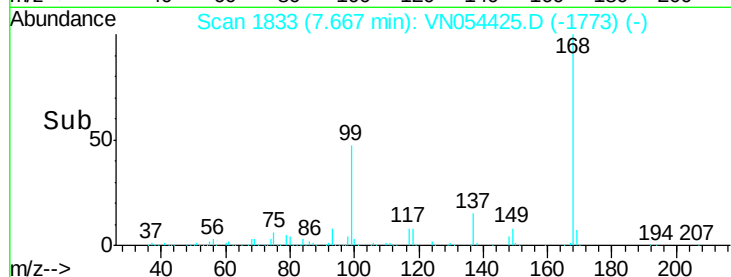
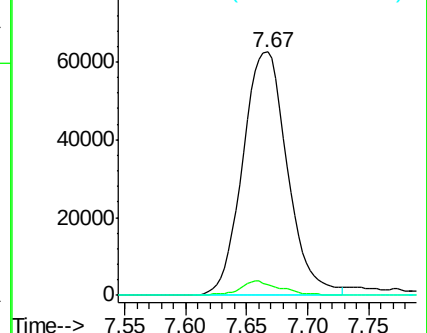
121 0.0 24.6 36.8#



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: 7.997 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

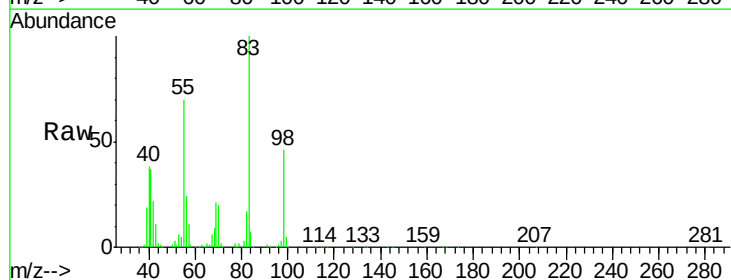
Tgt Ion: 83 Resp: 255125

Ion Ratio Lower Upper

83 100

55 70.0 56.6 84.8

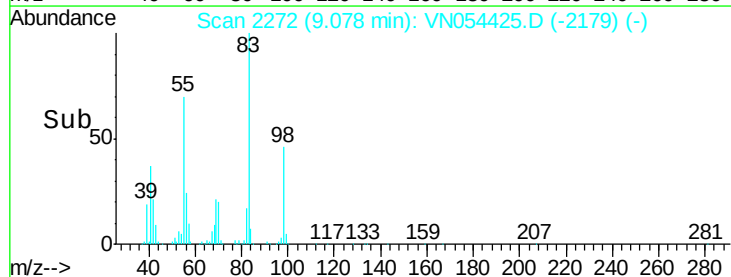
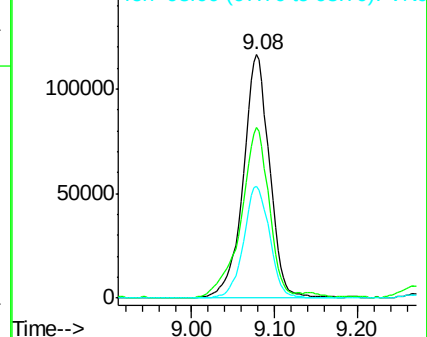
98 46.2 38.4 57.6

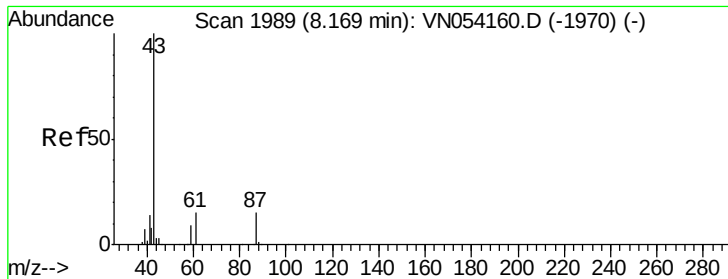


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 0.346 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.02 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

ClientSampled :

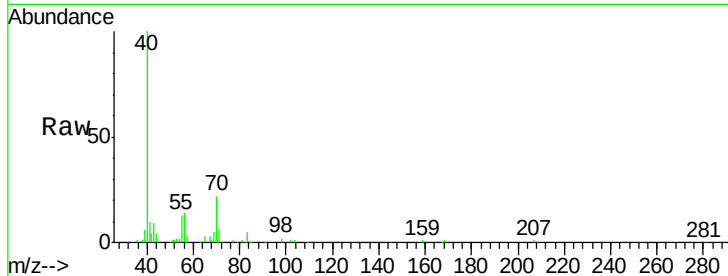
Tot Ion: 43 Resp: 9055

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

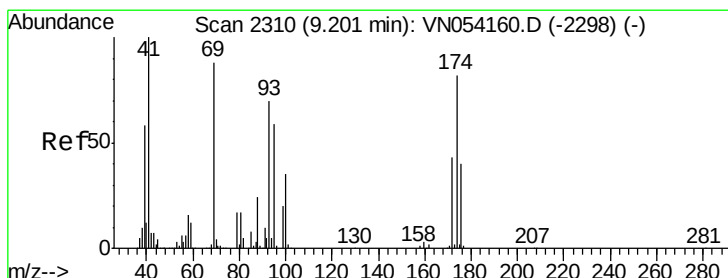
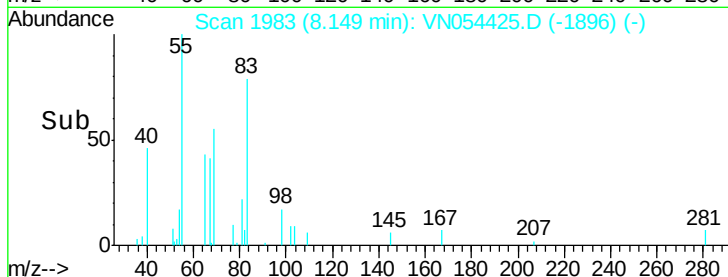
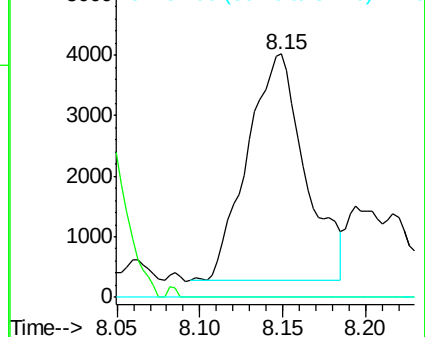
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.869 ug/l

RT: 9.14 min Scan# 2290

Delta R.T. -0.06 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

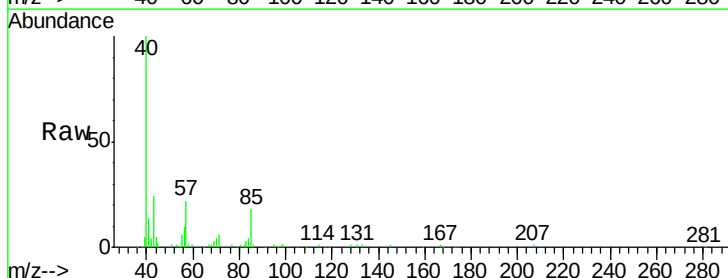
Tgt Ion: 41 Resp: 11535

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

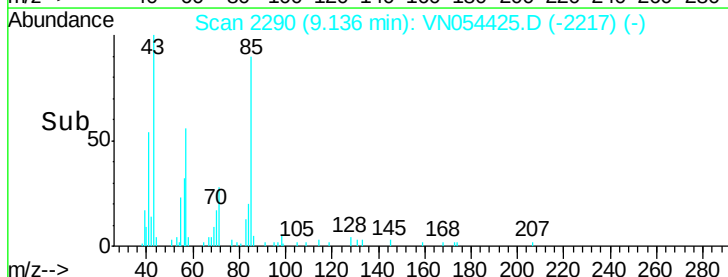
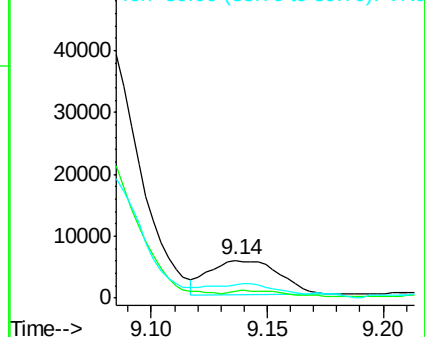
39 0.0 47.5 71.3#

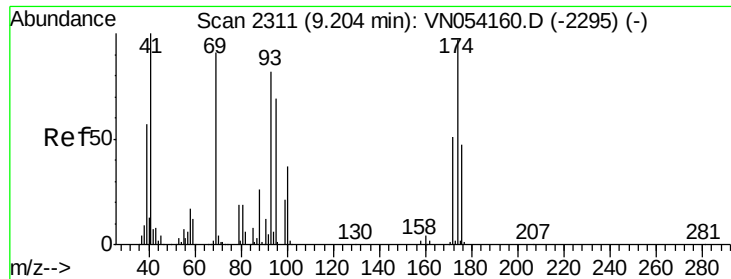


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

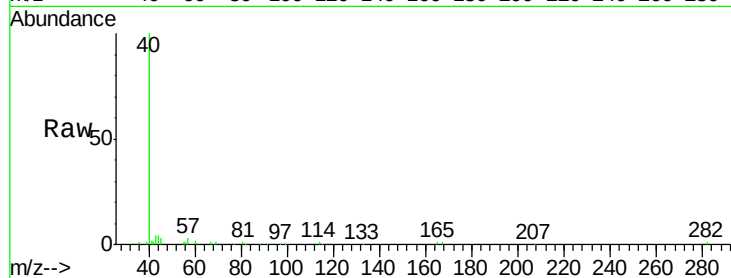




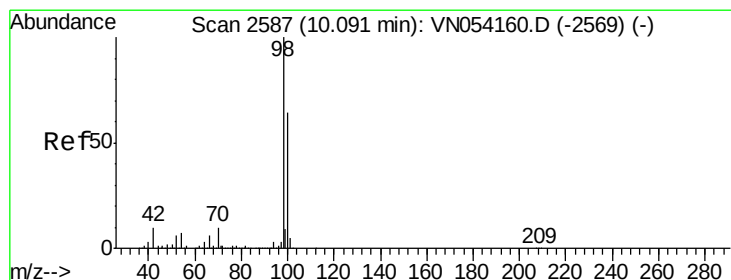
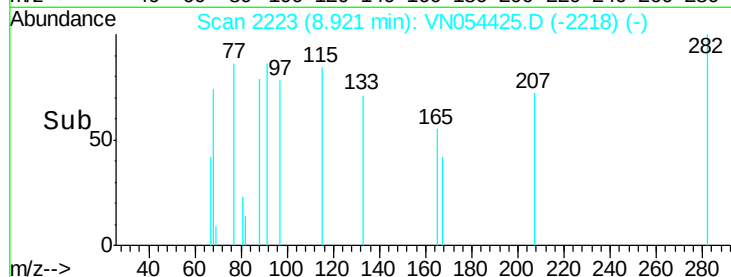
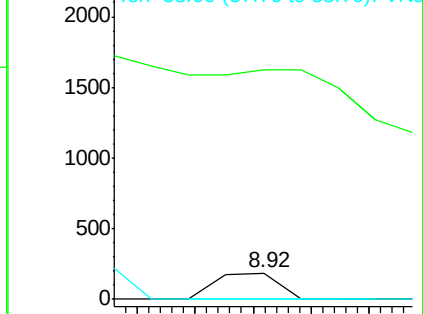
#49
1,4-Dioxane
Concen: 0.368 ug/l
RT: 8.92 min Scan# 2223
Delta R.T. -0.28 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 0.0 50.8 76.2#

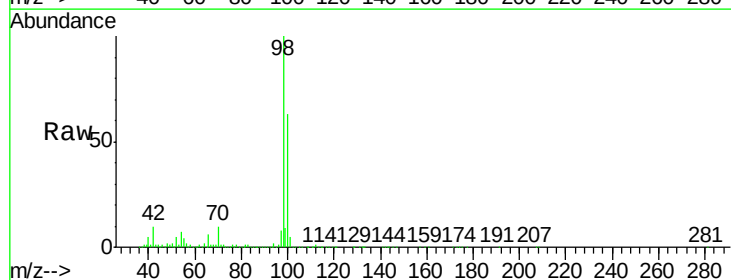


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

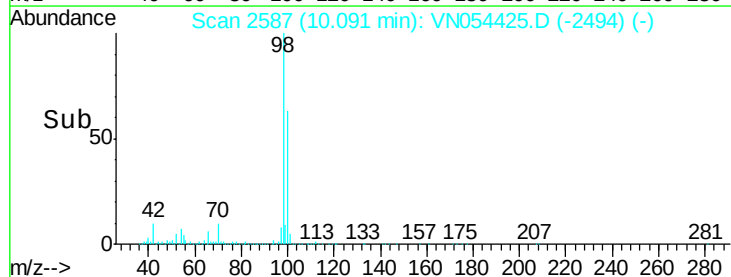
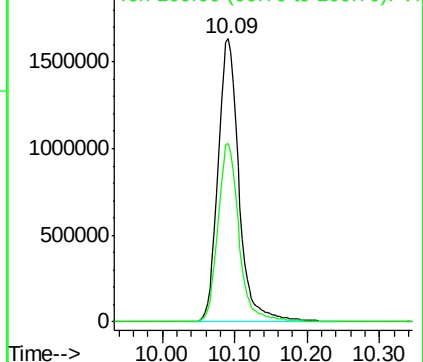


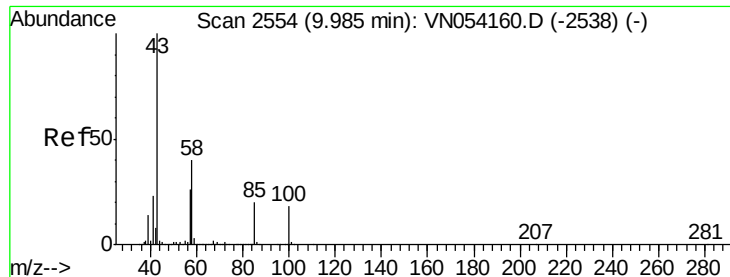
#50
Toluene-d8
Concen: 49.009 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Tgt Ion: 98 Resp: 3286897
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.563 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

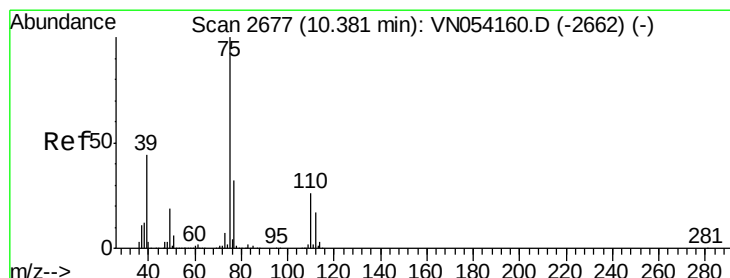
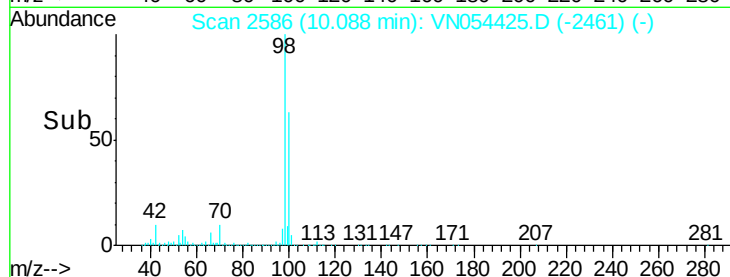
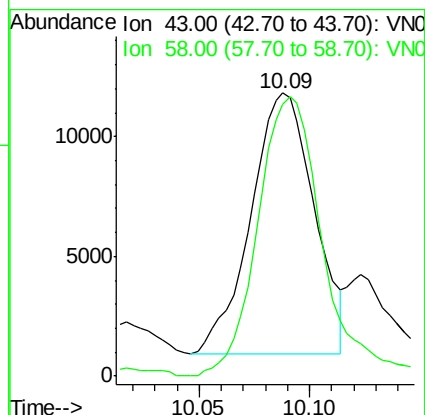
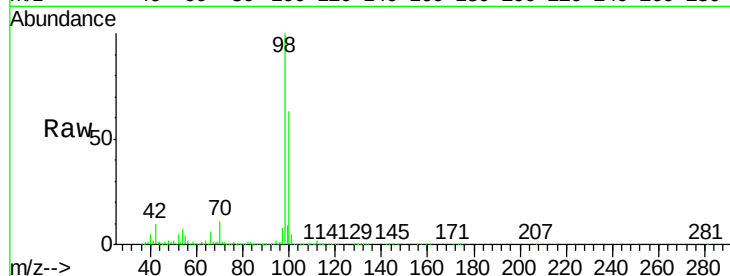
ClientSampled :

Tot Ion: 43 Resp: 21625

Ion Ratio Lower Upper

43 100

58 109.4 31.8 47.6#



#53

t-1,3-Dichloropropene

Concen: 1.988 ug/l

RT: 10.26 min Scan# 2641

Delta R.T. -0.12 min

Lab File: VN054425.D

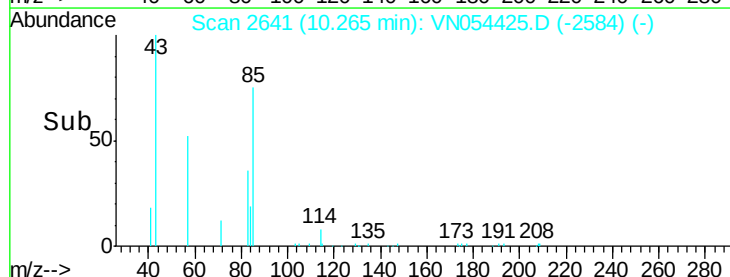
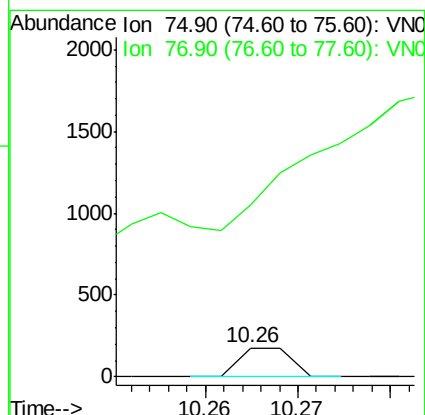
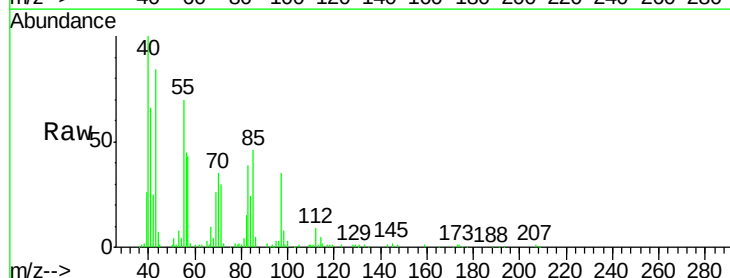
Acq: 19 Mar 2019 6:24

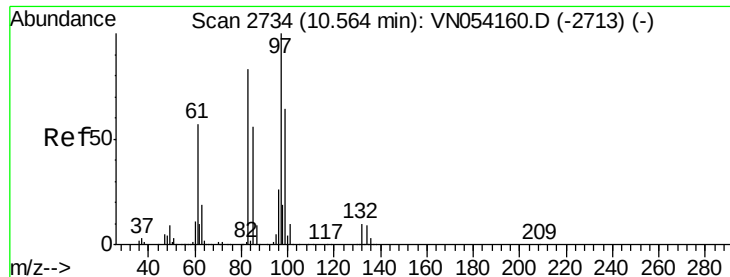
Tgt Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

77 74.6 25.8 38.8#





#55

1,1,2-Trichloroethane

Concen: 4.510 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 77473

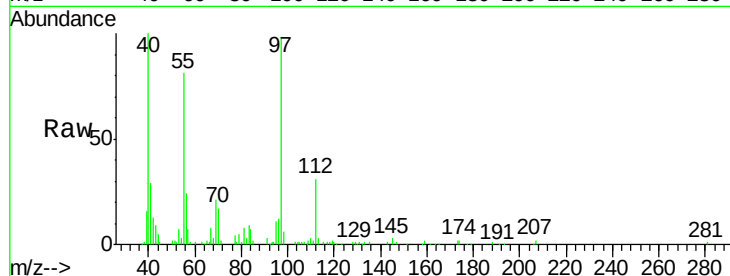
Ion Ratio Lower Upper

97 100

83 8.5 66.6 100.0#

85 1.8 44.4 66.6#

99 0.0 50.8 76.2#

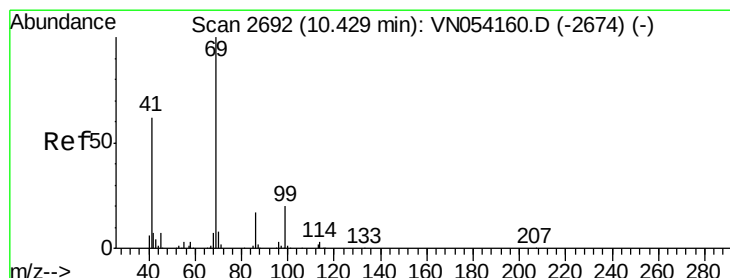
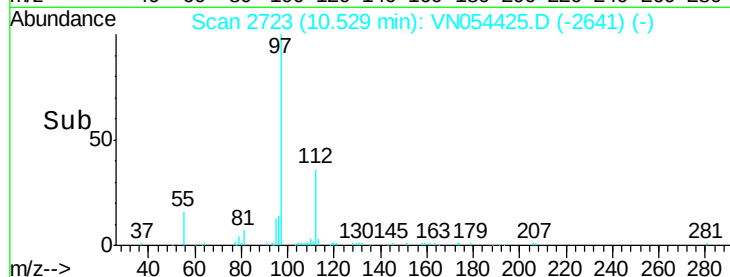
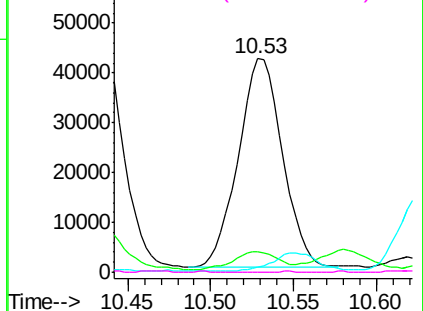


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 1.272 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

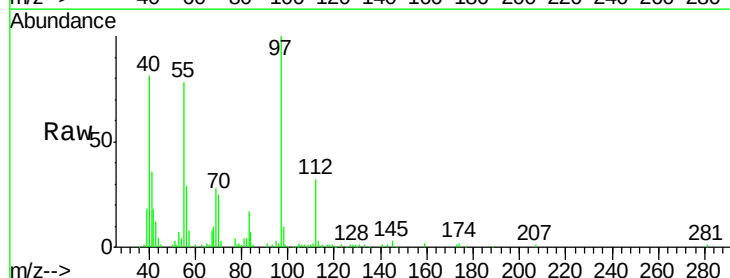
Tgt Ion: 69 Resp: 26061

Ion Ratio Lower Upper

69 100

41 153.5 49.4 74.2#

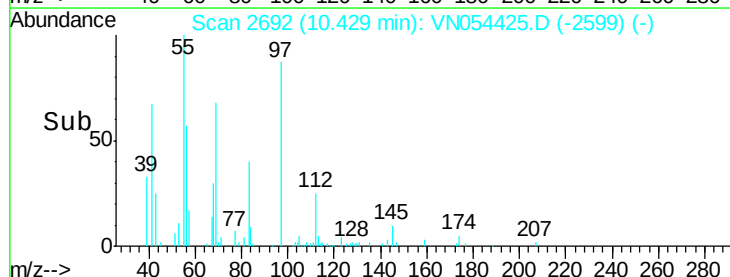
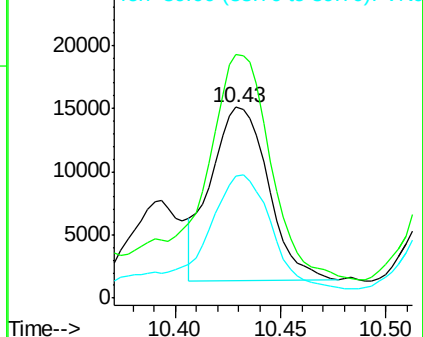
39 77.8 28.3 42.5#

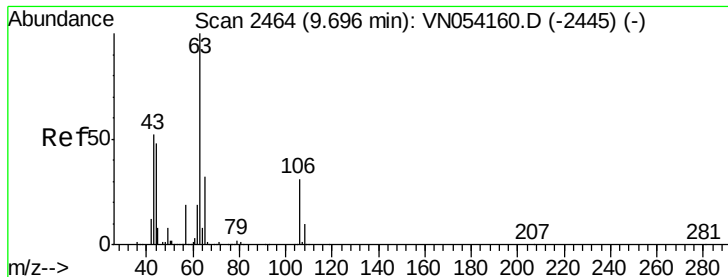


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

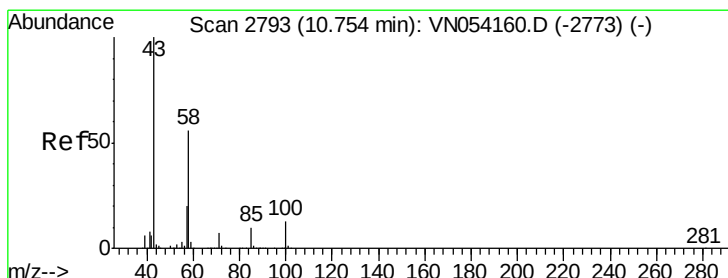
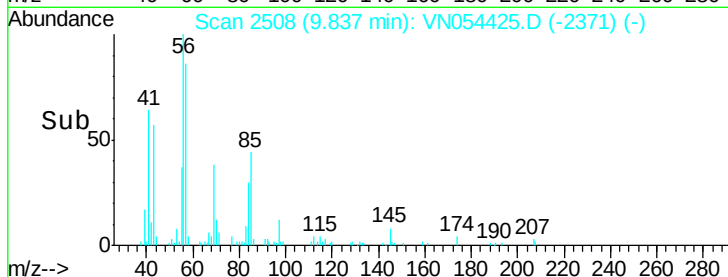
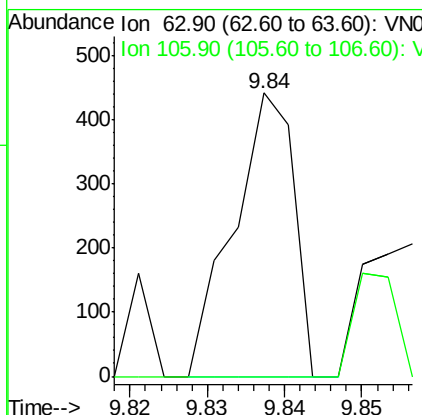
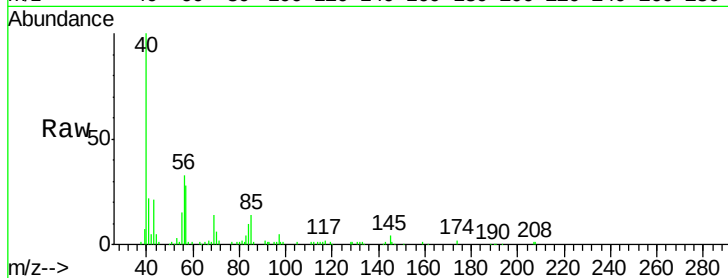




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.853 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.14 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

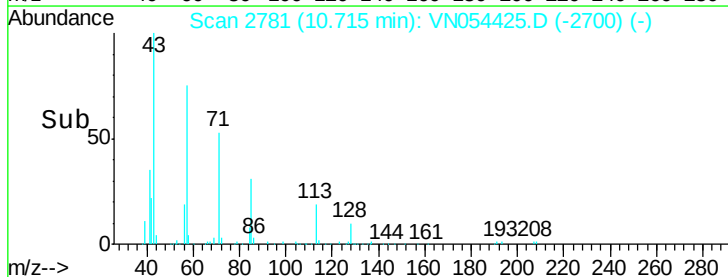
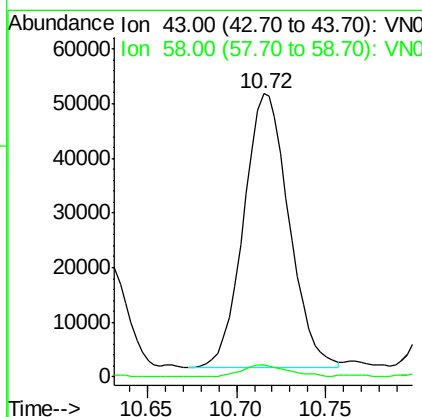
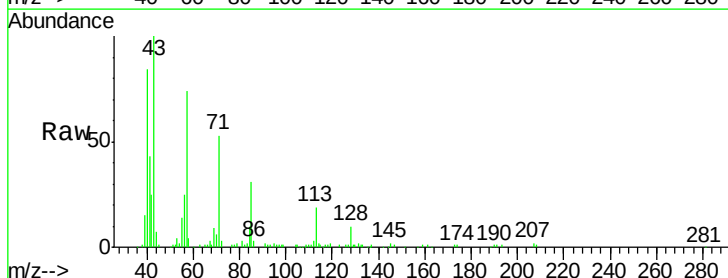
Instrument :
 MSVOA_N
 ClientSampled :

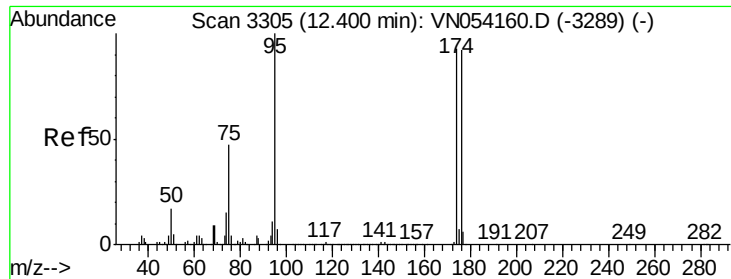
Tot Ion: 63 Resp: 241
 Ion Ratio Lower Upper
 63 100
 106 25.3 24.4 36.6



#59
 2-Hexanone
 Concen: 9.706 ug/l
 RT: 10.72 min Scan# 2781
 Delta R.T. -0.04 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Tgt Ion: 43 Resp: 89378
 Ion Ratio Lower Upper
 43 100
 58 4.4 28.0 83.9#

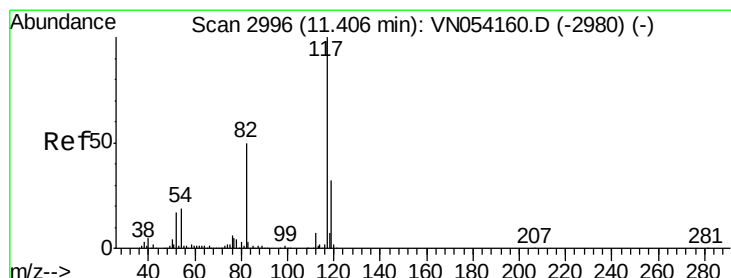
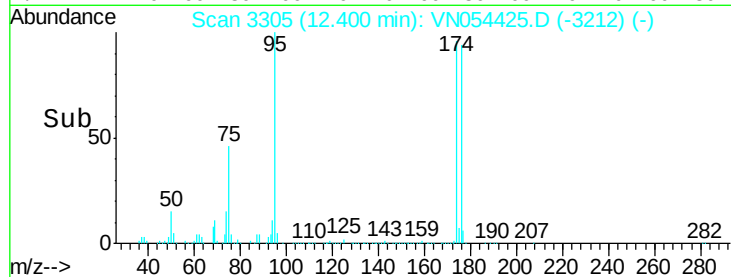
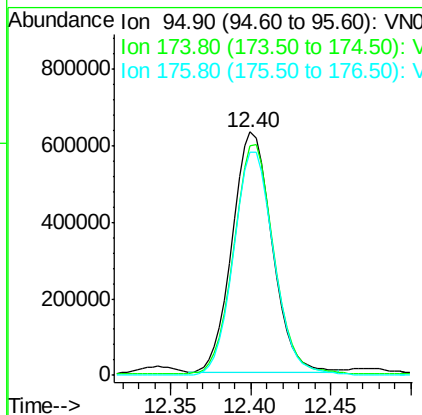
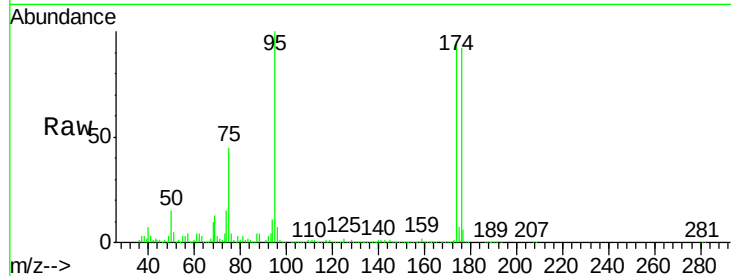




#62
4-Bromofluorobenzene
Concen: 45.413 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

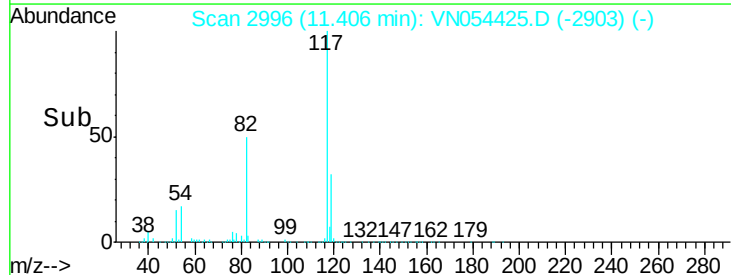
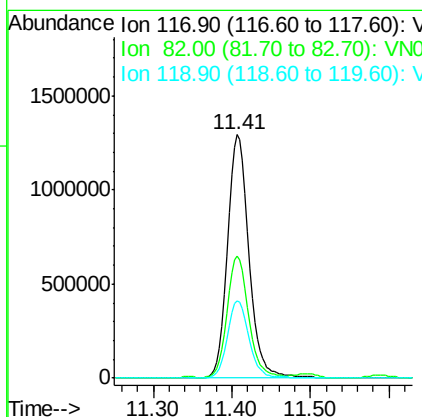
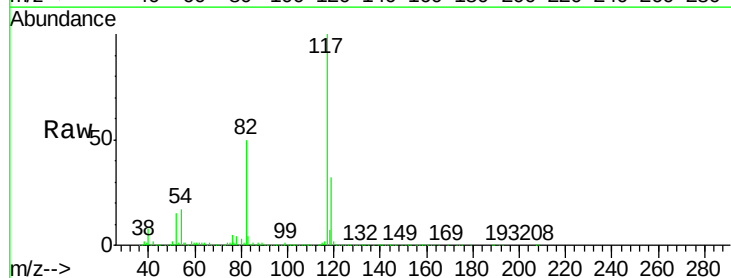
Instrument :
MSVOA_N
ClientSampleId :

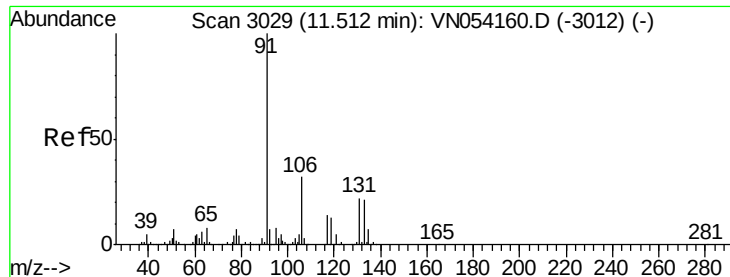
Tot Ion: 95 Resp: 1065689
Ion Ratio Lower Upper
95 100
174 96.1 0.0 191.0
176 94.8 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Tgt Ion: 117 Resp: 2424978
Ion Ratio Lower Upper
117 100
82 49.7 40.0 60.0
119 31.9 25.8 38.6

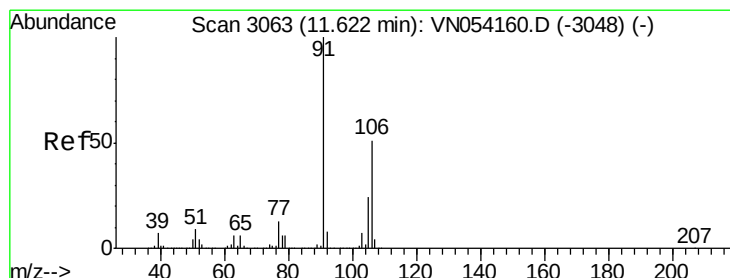
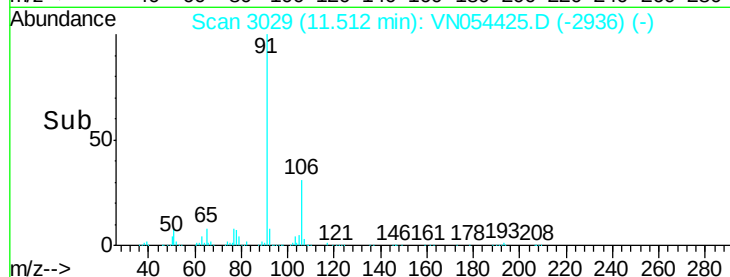
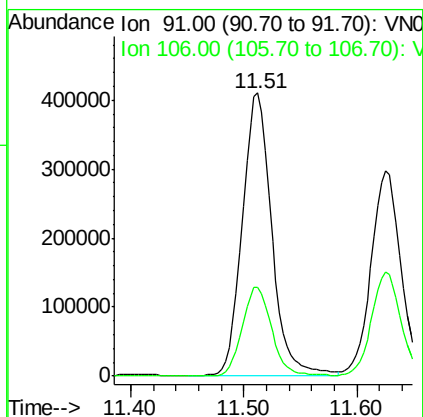
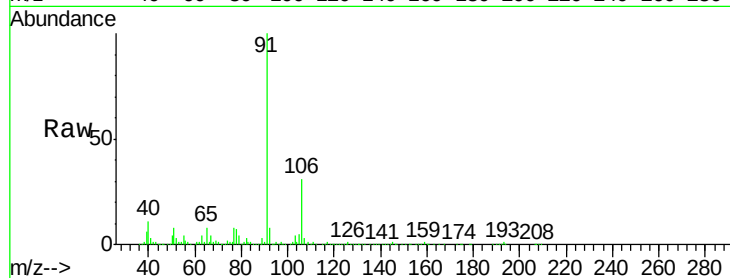




#67
Ethyl Benzene
Concen: 8.373 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

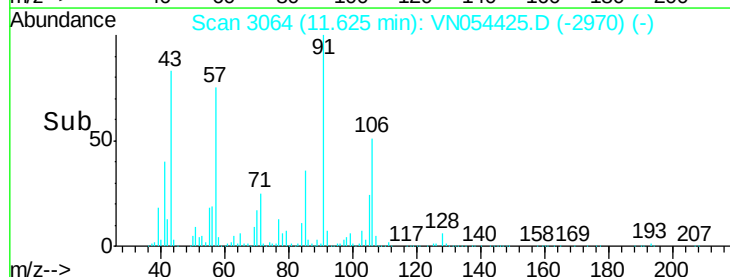
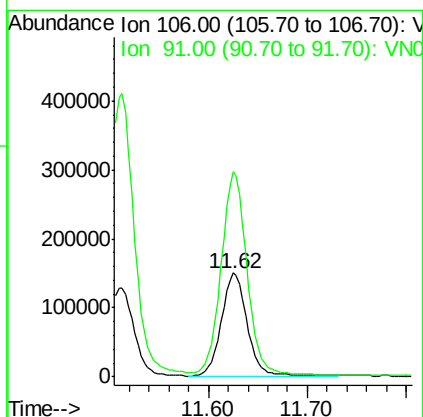
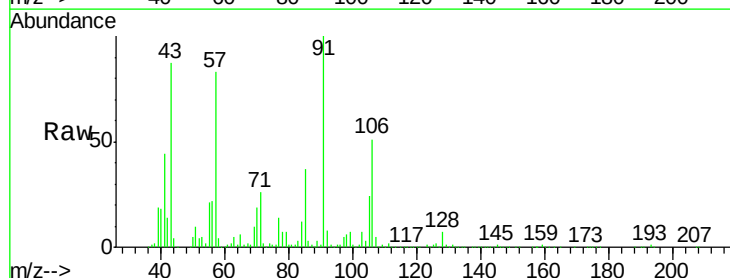
Instrument :
MSVOA_N
ClientSampleId :

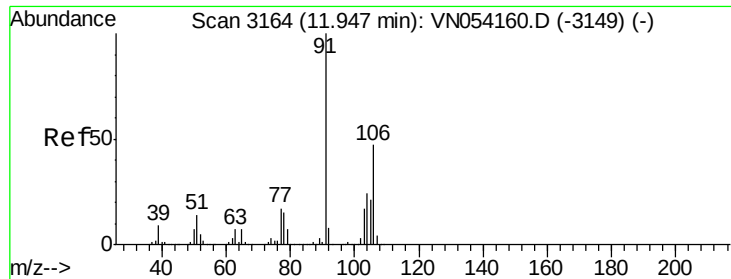
Tot Ion: 91 Resp: 739015
Ion Ratio Lower Upper
91 100
106 31.4 25.5 38.3



#68
m/p-Xylenes
Concen: 7.906 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Tgt Ion: 106 Resp: 272727
Ion Ratio Lower Upper
106 100
91 200.6 159.4 239.2

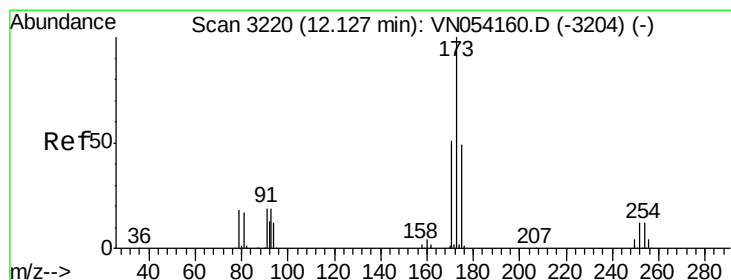
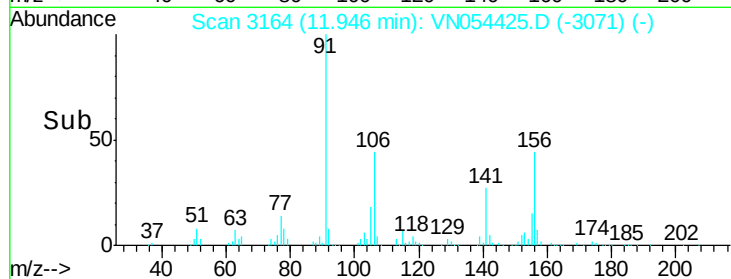
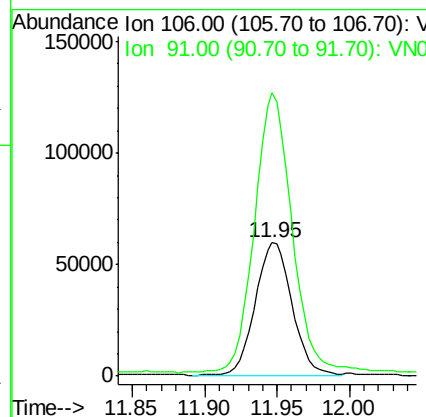
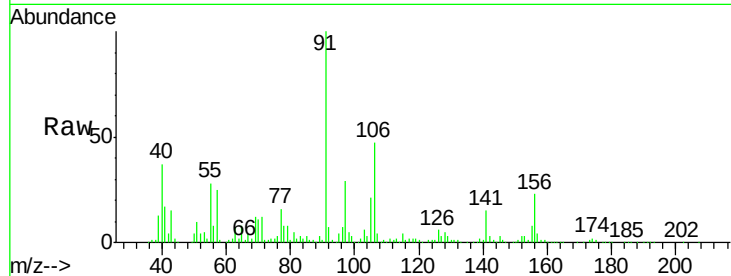




#69
o-Xylene
Concen: 3.103 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

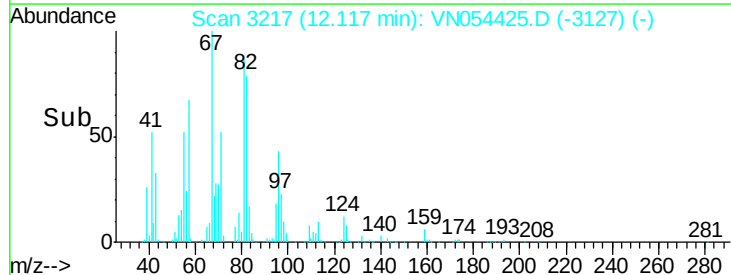
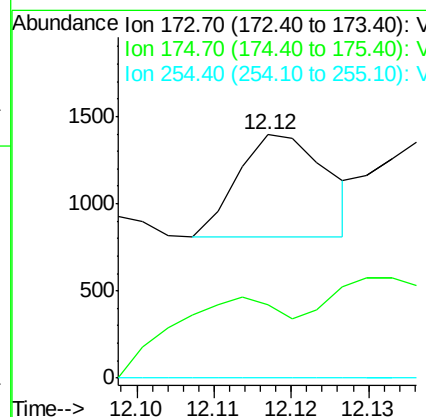
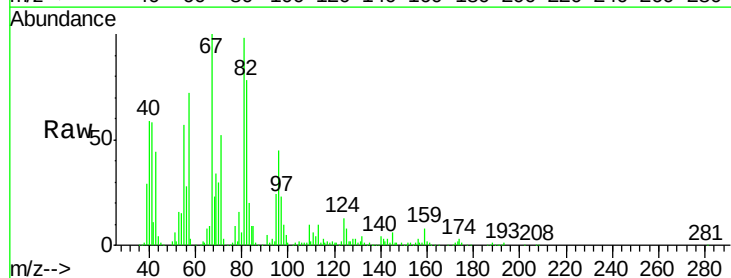
Instrument :
MSVOA_N
ClientSampled :

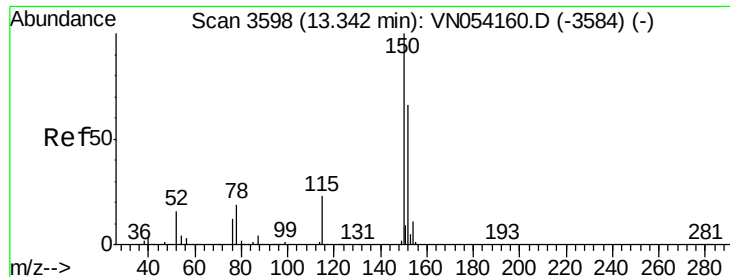
Tot Ion:106 Resp: 104359
Ion Ratio Lower Upper
106 100
91 217.2 105.7 317.1



#71
Bromoform
Concen: 2.381 ug/l
RT: 12.12 min Scan# 3217
Delta R.T. -0.01 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Tgt Ion:173 Resp: 472
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



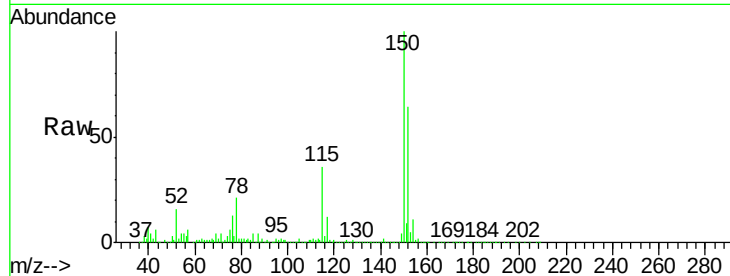


#72

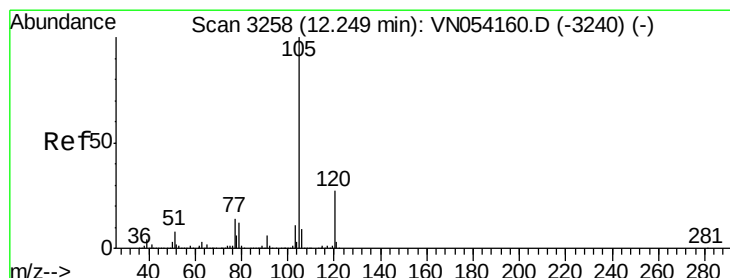
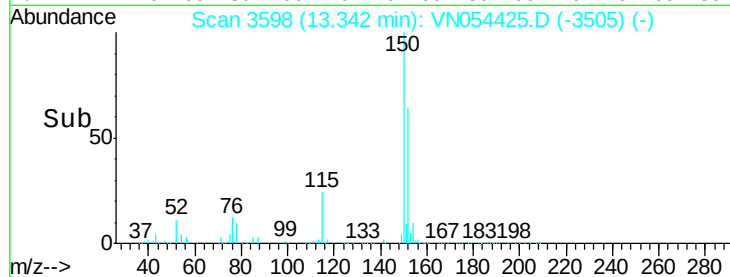
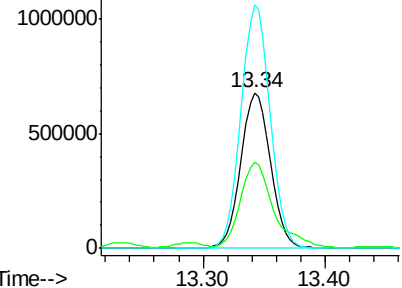
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 1133123
Ion Ratio Lower Upper
152 100
115 61.2 27.2 81.6
150 154.2 0.0 349.2



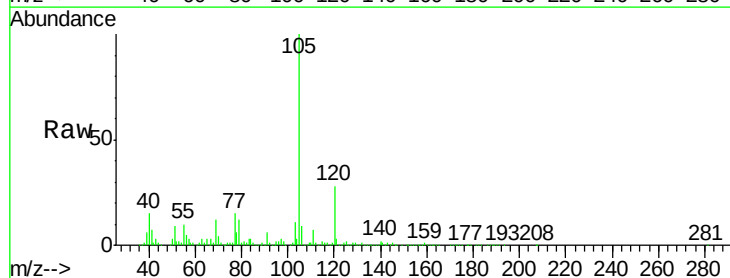
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



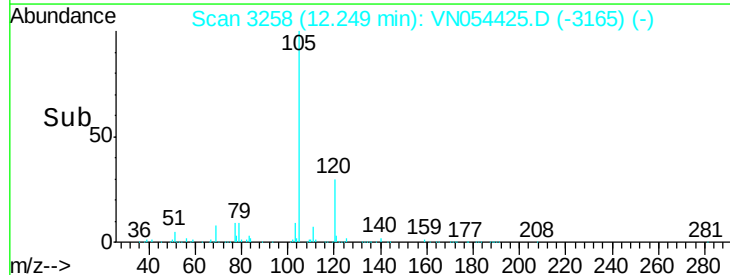
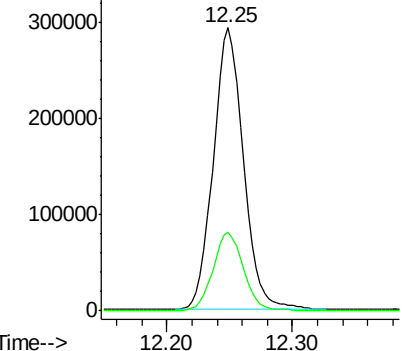
#73

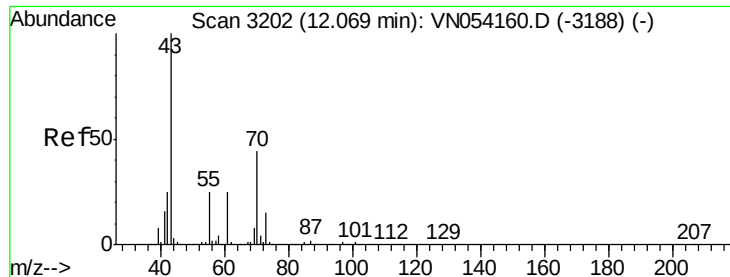
Isopropylbenzene
Concen: 5.391 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054425.D
Acq: 19 Mar 2019 6:24

Tgt Ion:105 Resp: 488688
Ion Ratio Lower Upper
105 100
120 27.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 5.843 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 117576

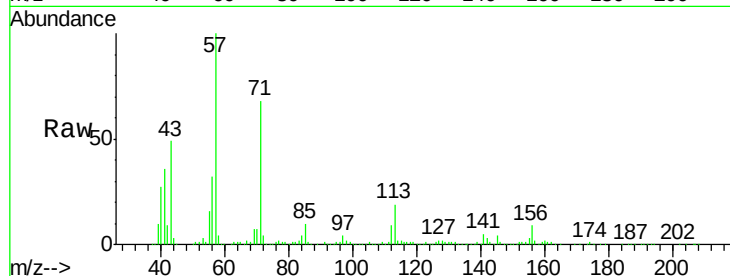
Ion Ratio Lower Upper

43 100

70 10.3 35.4 53.0#

55 9.1 19.8 29.6#

61 0.1 19.8 29.6#

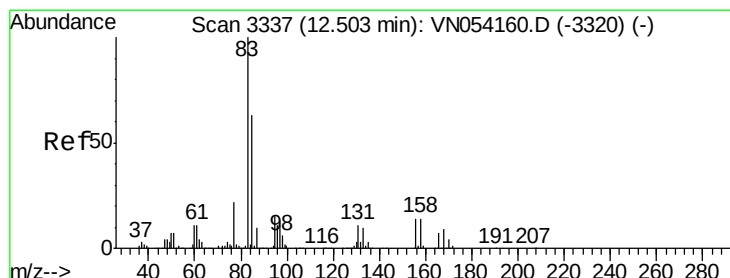
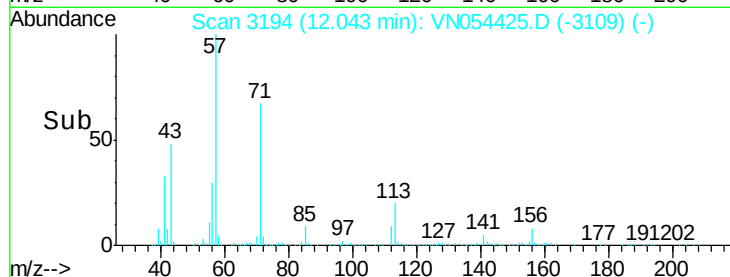
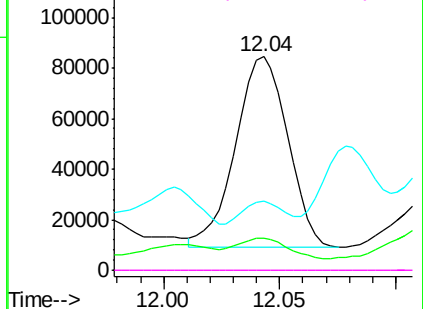


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.480 ug/l

RT: 12.45 min Scan# 3320

Delta R.T. -0.05 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

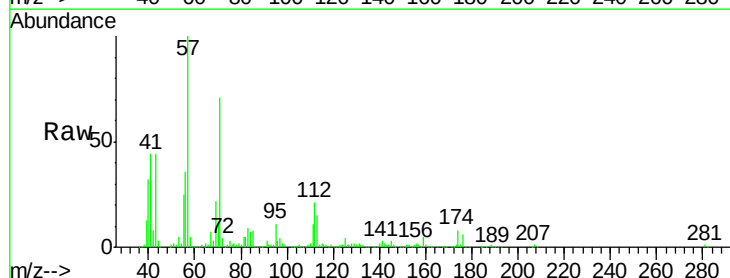
Tgt Ion: 83 Resp: 9267

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

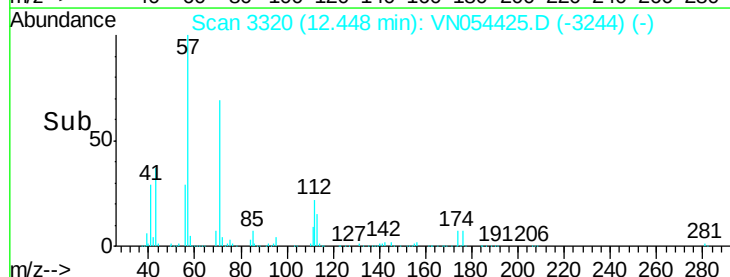
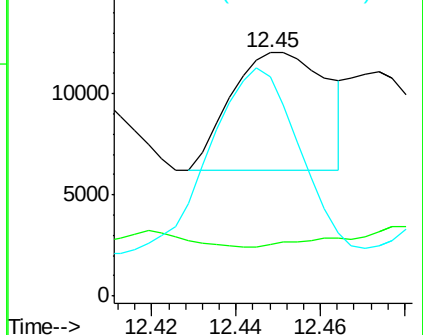
85 148.3 32.2 96.6#

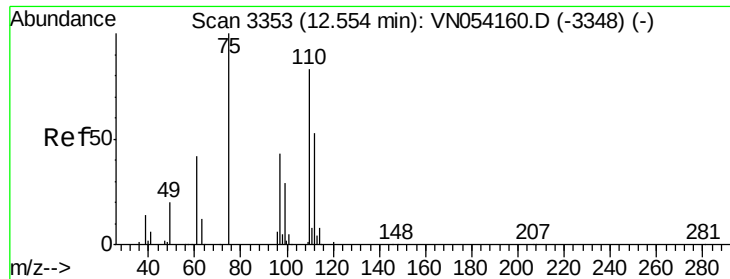


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 29.659 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

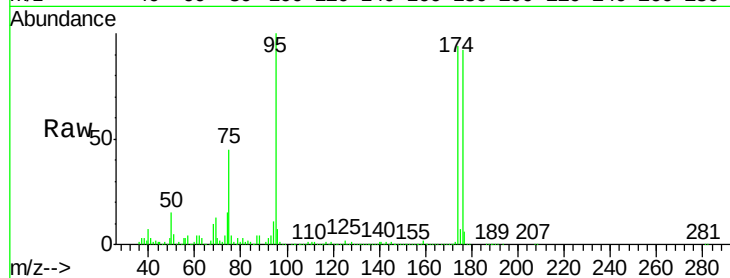
ClientSampleId :

Tot Ion: 75 Resp: 494203

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

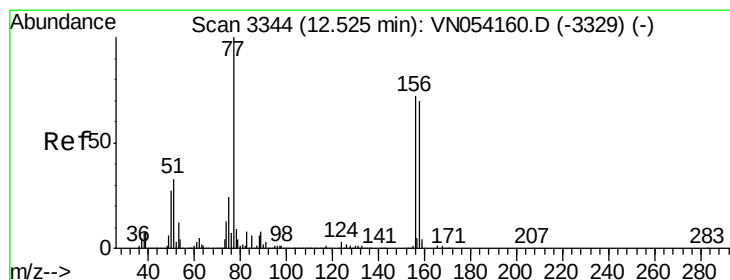
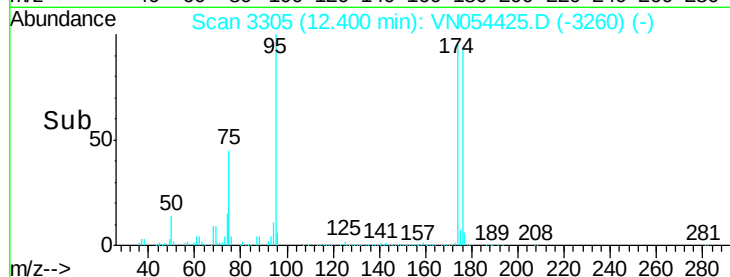
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 16.016 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.02 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

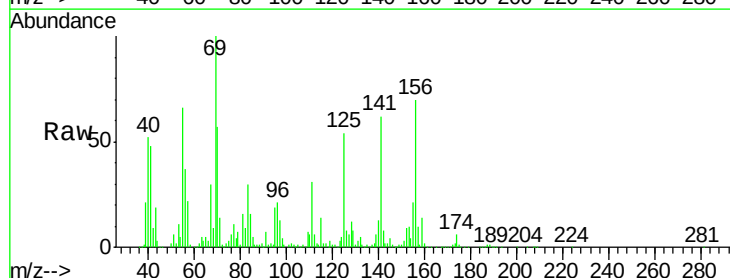
Tgt Ion: 156 Resp: 384210

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

120000

100000

80000

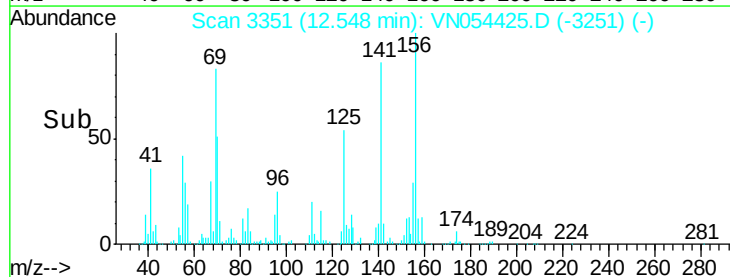
60000

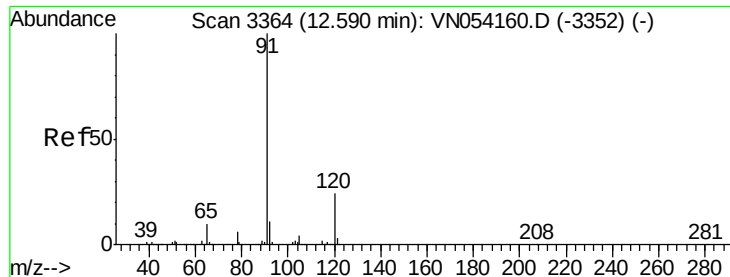
40000

20000

0

Time--> 12.40 12.60





#78

n-propylbenzene

Concen: 11.495 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

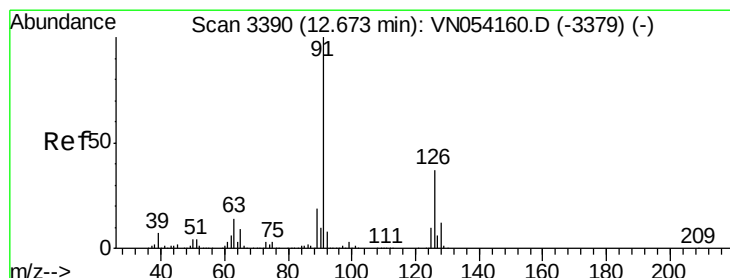
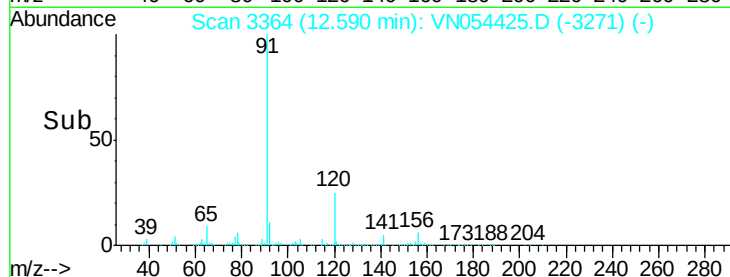
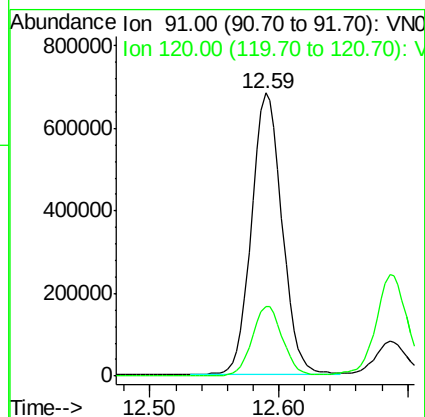
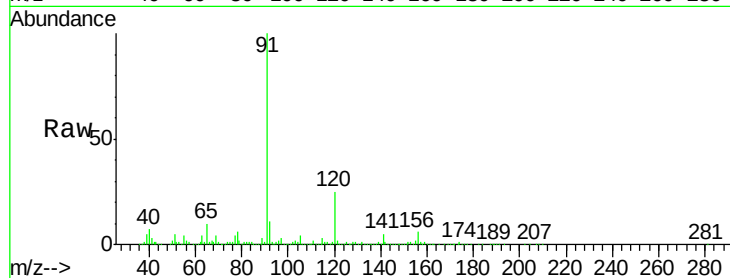
ClientSampled :

Tot Ion: 91 Resp: 1130720

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.9



#79

2-Chlorotoluene

Concen: 2.226 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN054425.D

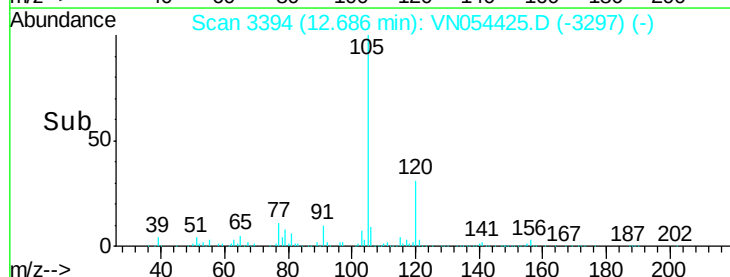
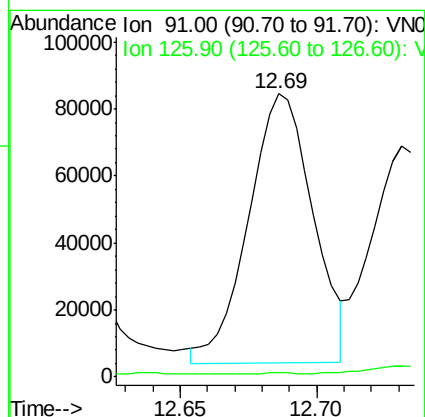
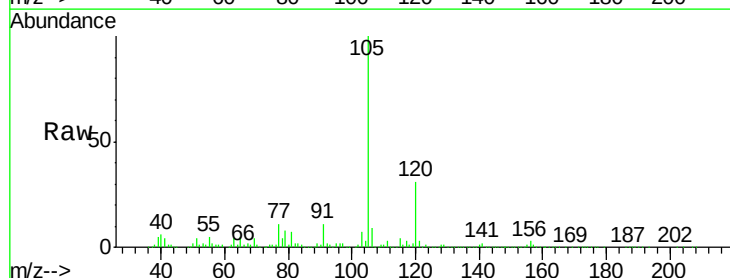
Acq: 19 Mar 2019 6:24

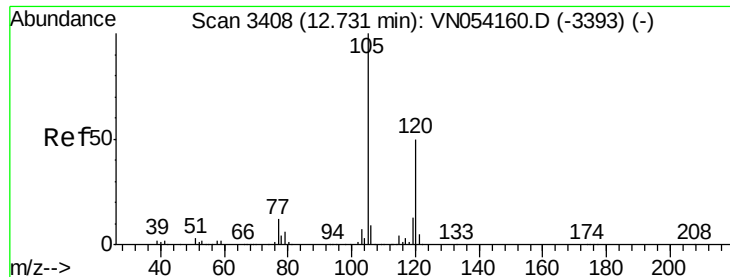
Tgt Ion: 91 Resp: 131665

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#





#80

1,3,5-Trimethylbenzene

Concen: 13.504 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

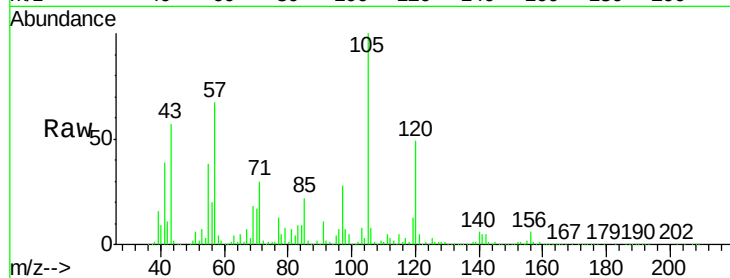
ClientSampled :

Tot Ion:105 Resp: 1018338

Ion Ratio Lower Upper

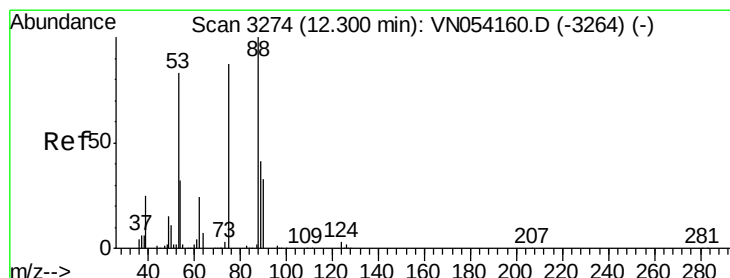
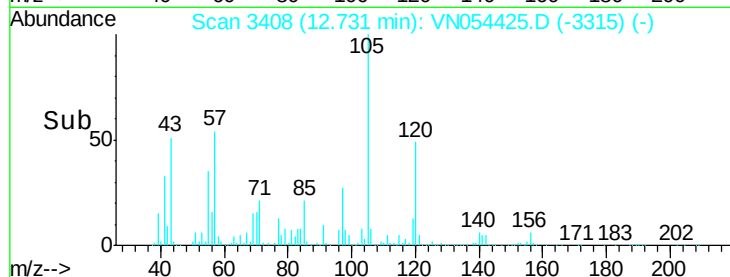
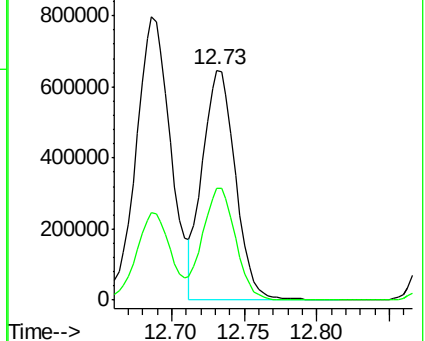
105 100

120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 101.386 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

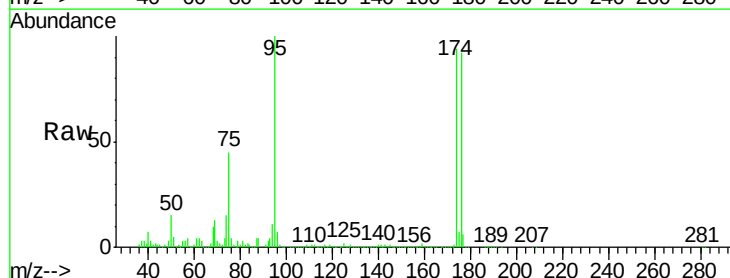
Tgt Ion: 75 Resp: 494203

Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

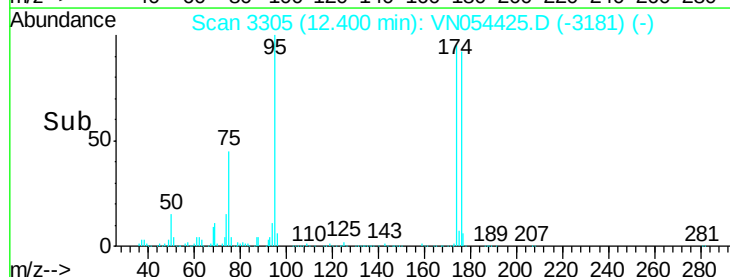
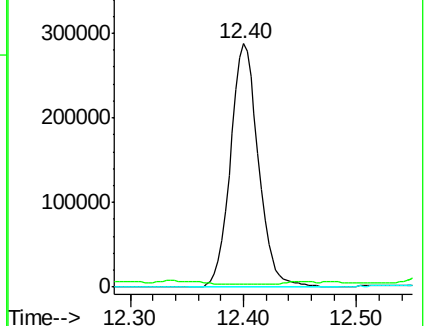
89 0.0 39.2 58.8#

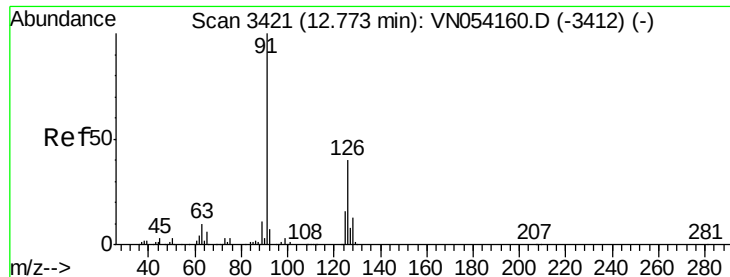


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 1.671 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

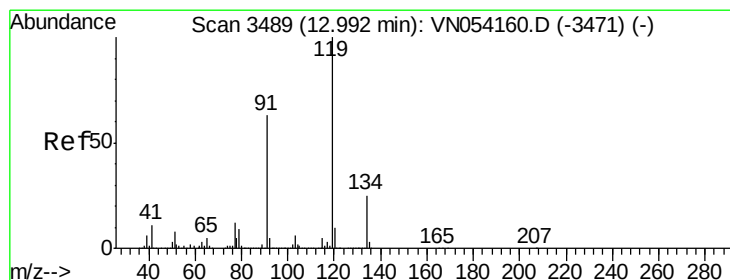
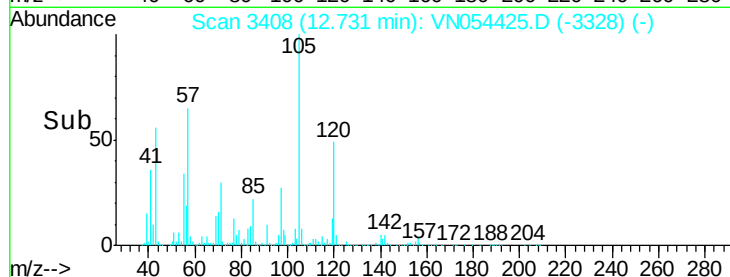
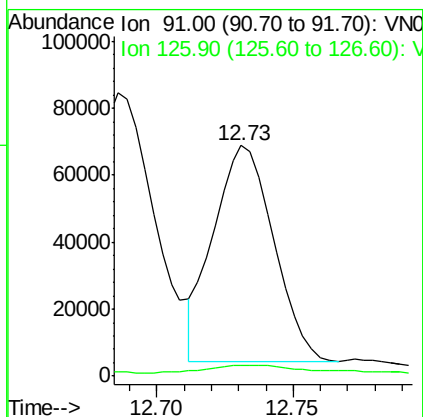
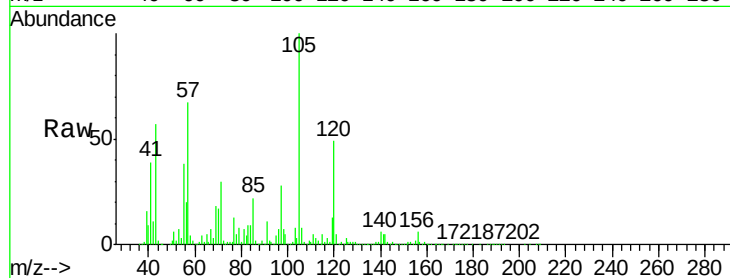
ClientSampled :

Tot Ion: 91 Resp: 98683

Ion Ratio Lower Upper

91 100

126 4.9 18.1 54.1#



#83

tert-Butylbenzene

Concen: 0.330 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

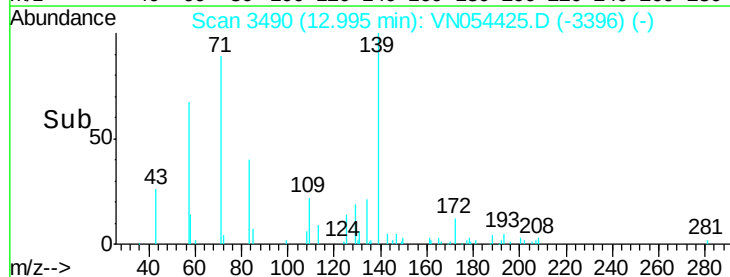
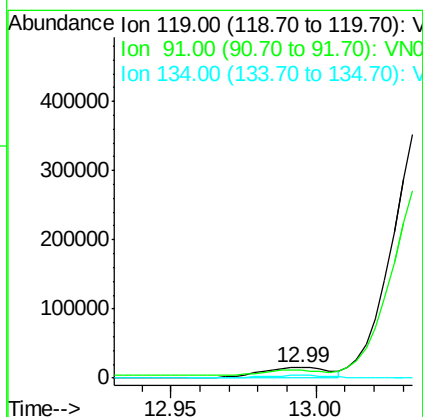
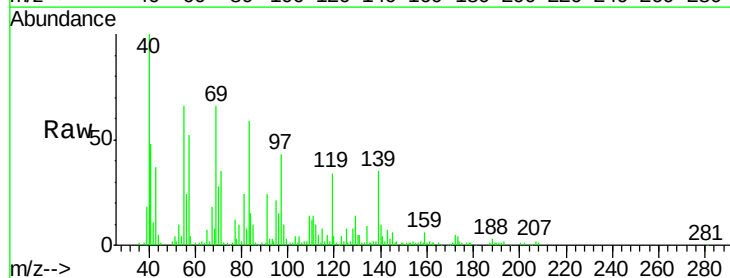
Tgt Ion: 119 Resp: 22926

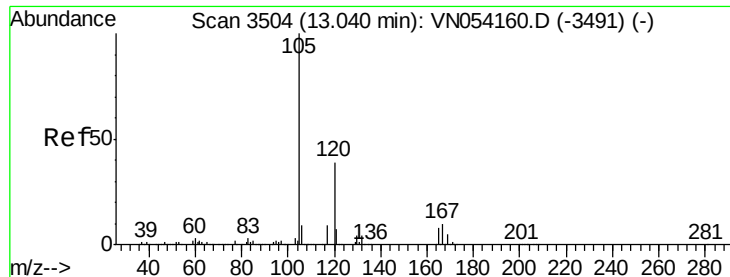
Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 68.866 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

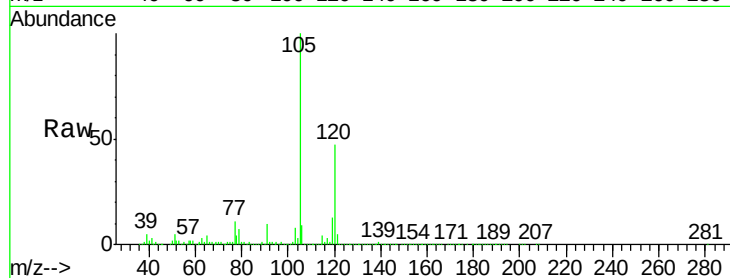
ClientSampled :

Tot Ion:105 Resp: 5094605

Ion Ratio Lower Upper

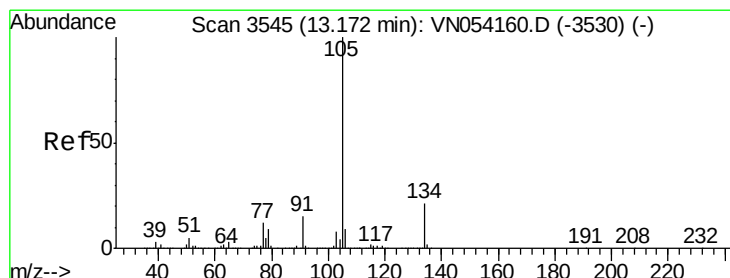
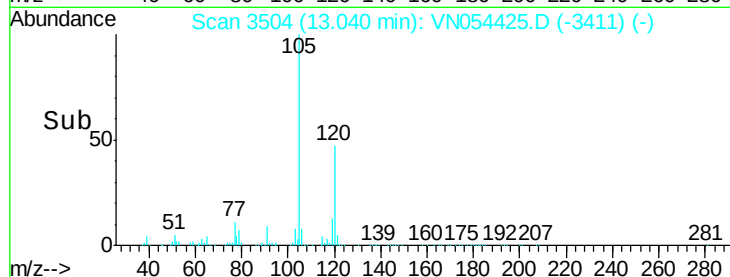
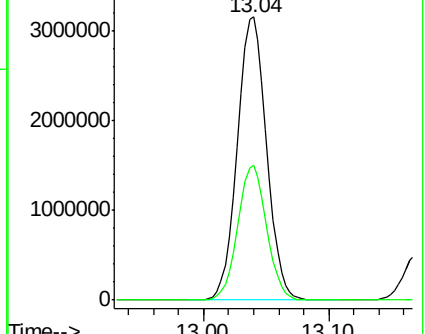
105 100

120 47.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 9.731 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054425.D

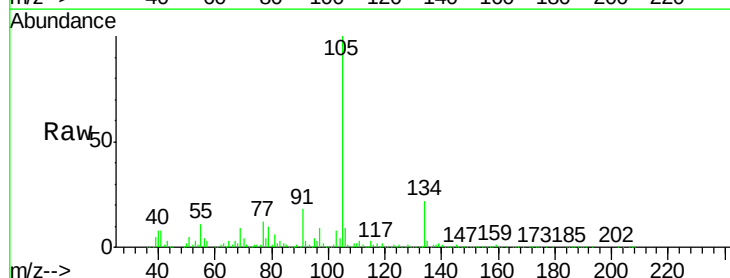
Acq: 19 Mar 2019 6:24

Tgt Ion:105 Resp: 875943

Ion Ratio Lower Upper

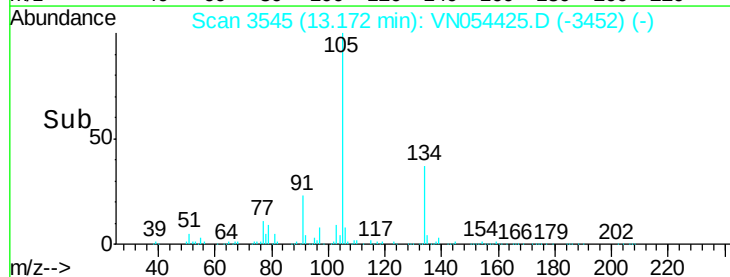
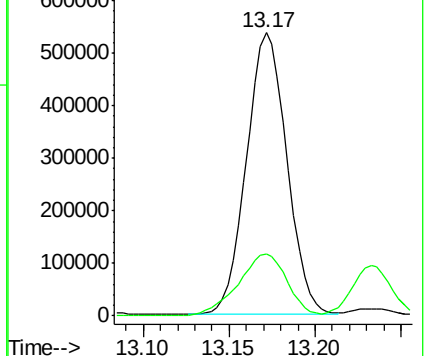
105 100

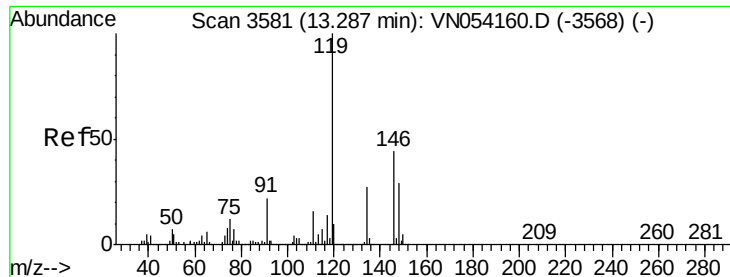
134 26.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

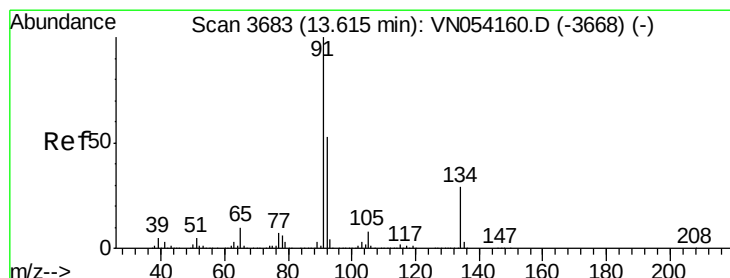
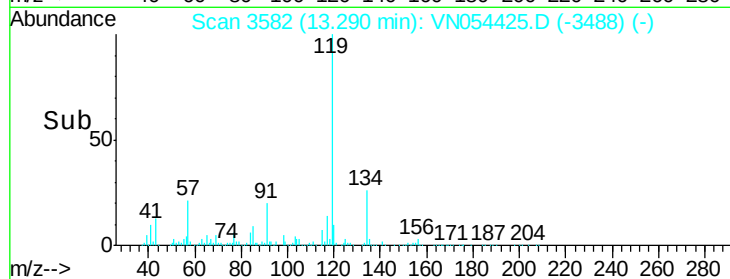
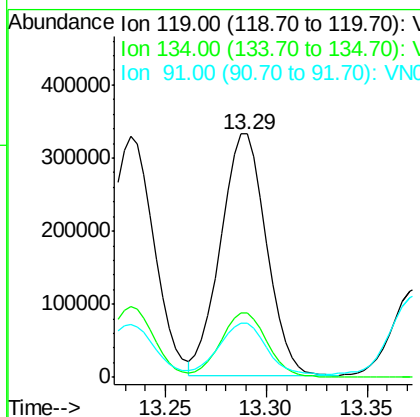
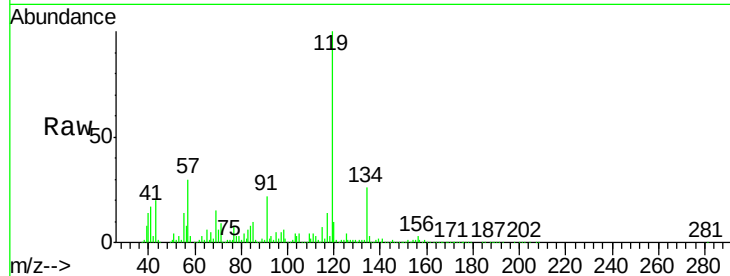




#86
 p-Isopropyltoluene
 Concen: 6.624 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

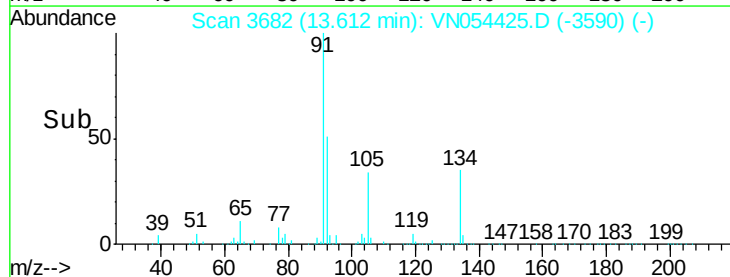
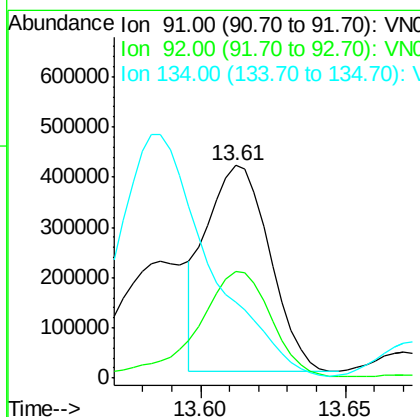
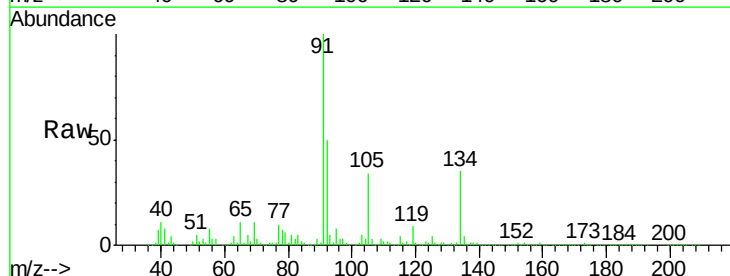
Instrument :
 MSVOA_N
 ClientSampled :

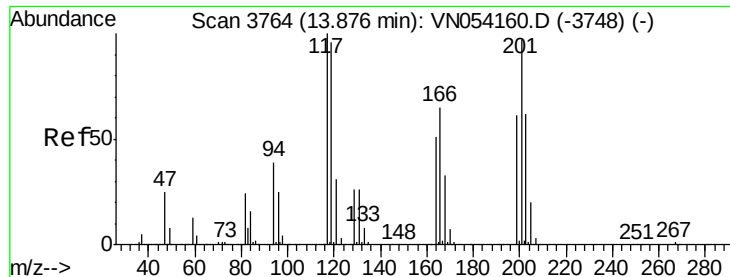
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.8
91	21.0	11.1	33.3



#89
 n-Butylbenzene
 Concen: 10.364 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.2	26.2	78.6
134	0.0	14.3	42.9





#90

Hexachloroethane

Concen: 16.013 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

Instrument :

MSVOA_N

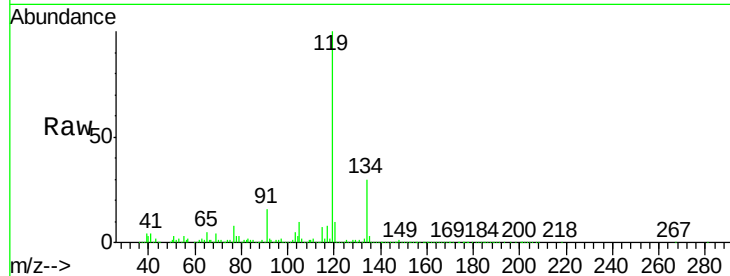
ClientSampleId :

Tot Ion:117 Resp: 209385

Ion Ratio Lower Upper

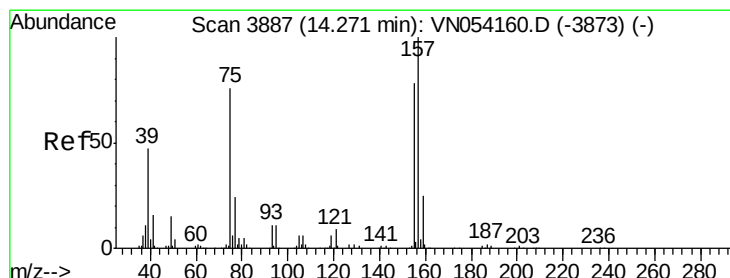
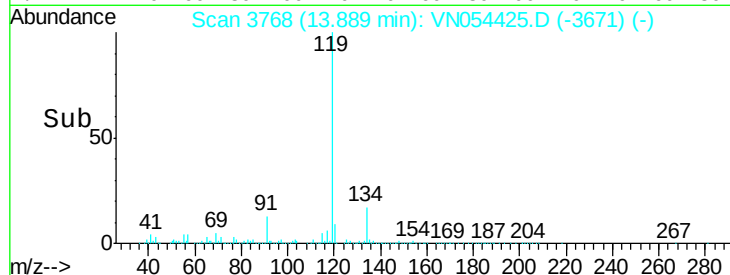
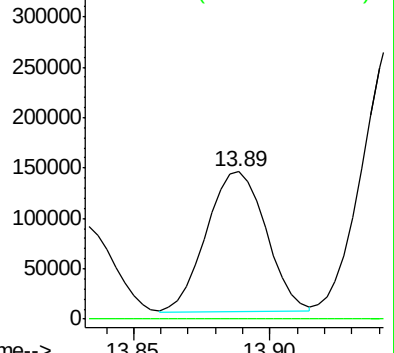
117 100

201 0.1 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.334 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. -0.03 min

Lab File: VN054425.D

Acq: 19 Mar 2019 6:24

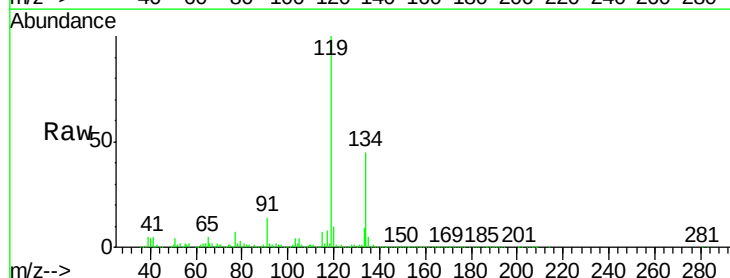
Tgt Ion: 75 Resp: 12954

Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

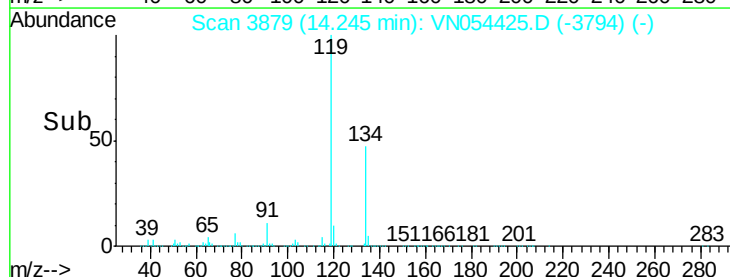
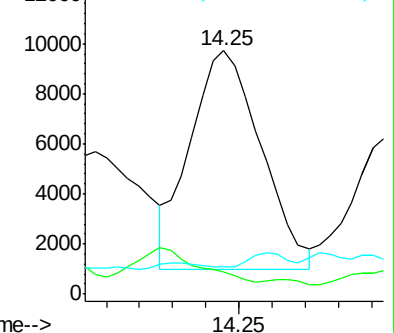
157 3.4 63.1 189.3#

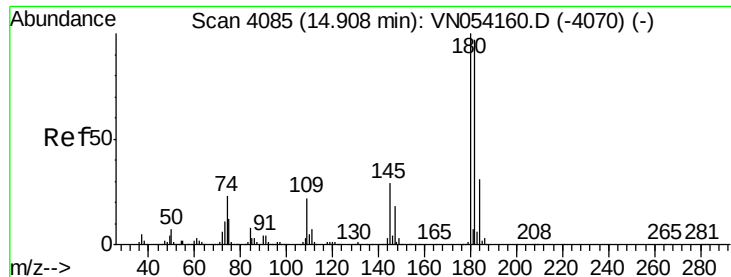


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

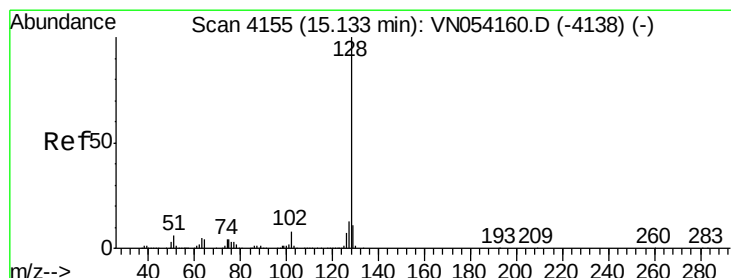
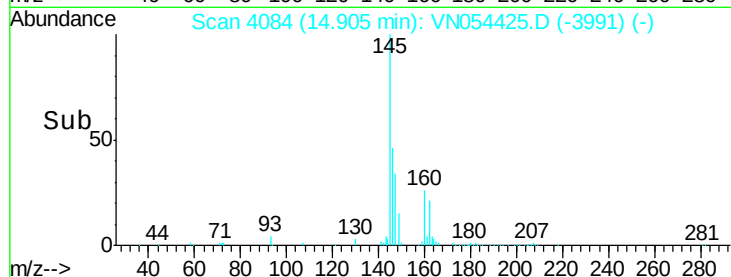
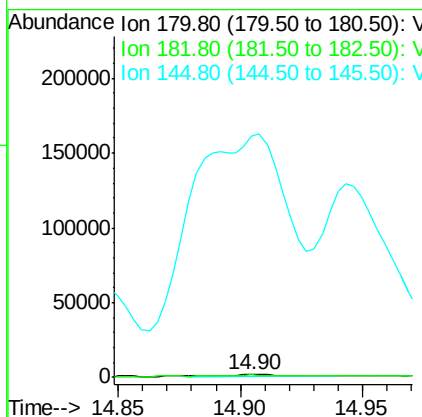
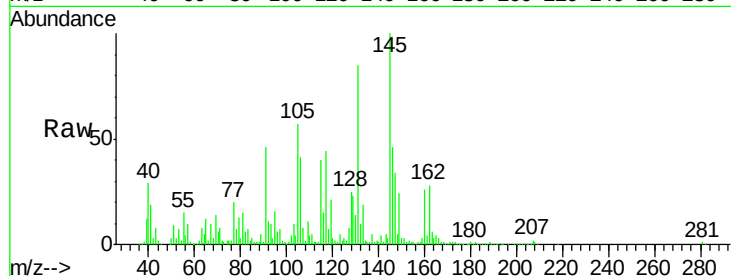




#93
 1,2,4-Trichlorobenzene
 Concen: 2.604 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 2186
 Ion Ratio Lower Upper
 180 100
 182 68.6 48.0 144.2
 145 16664.1 14.2 42.8#



#95
 Naphthalene
 Concen: 52.359 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054425.D
 Acq: 19 Mar 2019 6:24

Tgt Ion:128 Resp: 2610954
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.1 15.1
 129 11.1 8.7 13.1

