

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054666.D
 Acq On : 25 Mar 2019 12:21
 Operator : JC/SP
 Sample : K2024-01ME
 Misc : 7.64g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-08ME

Quant Time: Mar 26 01:23:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	550349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	864000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	728206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296329	50.00	ug/l	0.00

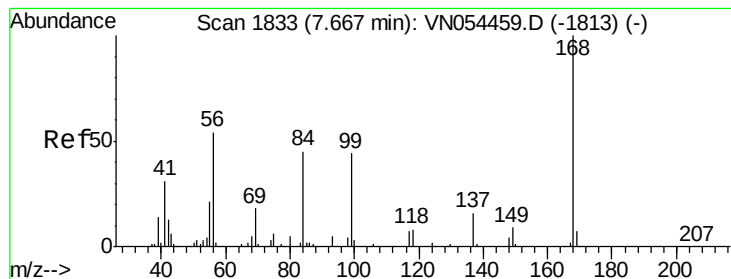
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	345298	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	261320	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
50) Toluene-d8	10.09	98	1042919	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	326222	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	

Target Compounds

						Qvalue
13) Acrolein	3.60	56	287	0.502	ug/l	97
14) Allyl chloride	4.32	41	2053	0.205	ug/l #	35
16) Acetone	3.82	43	1088	0.529	ug/l #	86
18) Methyl Acetate	4.33	43	218926	47.725	ug/l #	88
31) Cyclohexane	7.66	56	11975	Below Cal	#	32
36) 1,1-Dichloropropene	7.66	75	40267	4.984	ug/l #	48
38) Carbon Tetrachloride	7.66	117	51015	6.498	ug/l #	15
53) t-1,3-Dichloropropene	10.25	75	71	2.240	ug/l #	42
65) Chlorobenzene	11.43	112	3862	0.261	ug/l	99
68) m/p-Xylenes	11.62	106	4140	0.418	ug/l	99
71) Bromoform	12.40	173	1593	2.636	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	170128	36.180	ug/l #	100
78) n-propylbenzene	12.59	91	5527	0.213	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	7337	0.375	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	170128	119.985	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	18638	0.971	ug/l	95
90) Hexachloroethane	13.89	117	1314	0.446	ug/l #	2
95) Naphthalene	15.13	128	91797	8.685	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

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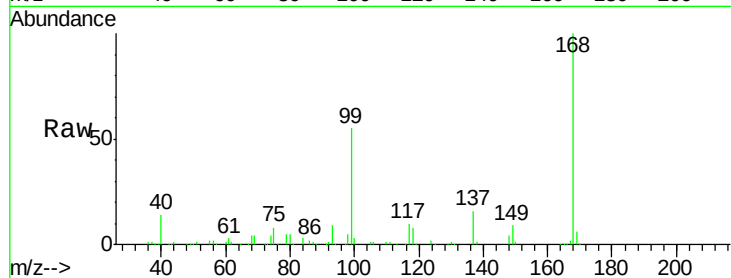
RCA-08ME

Tot Ion:168 Resp: 550349

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



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

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

7.66

250000

200000

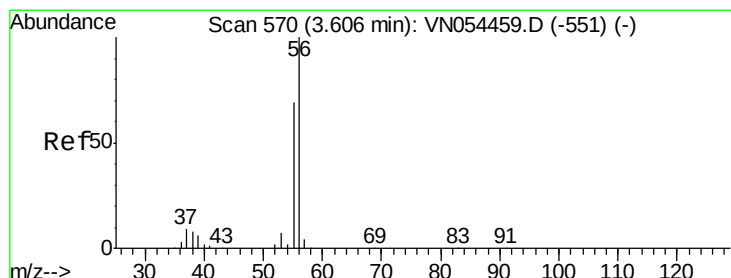
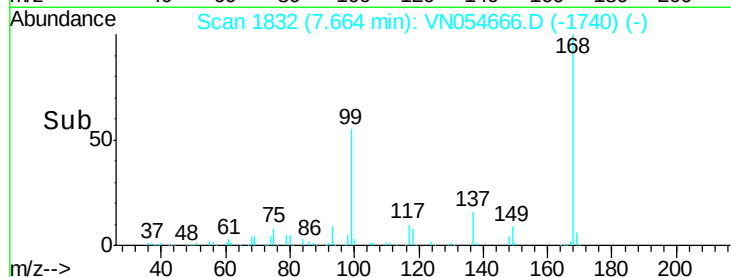
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.502 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054666.D

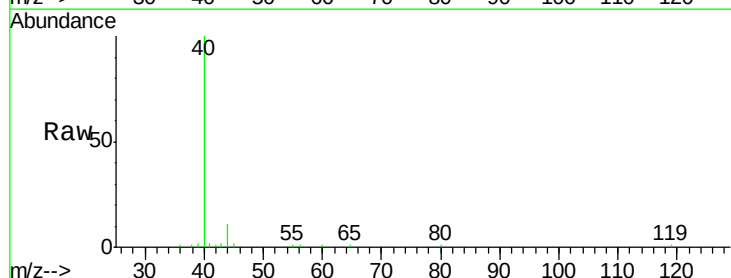
Acq: 25 Mar 2019 12:21

Tgt Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 68.3 56.7 85.1



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

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

3.60

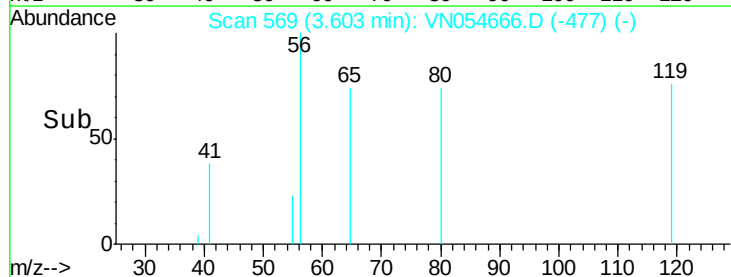
300

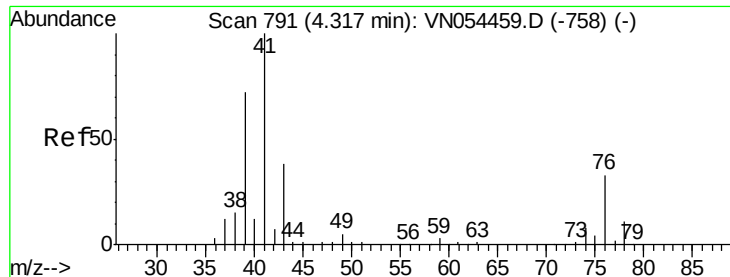
200

100

0

Time-->

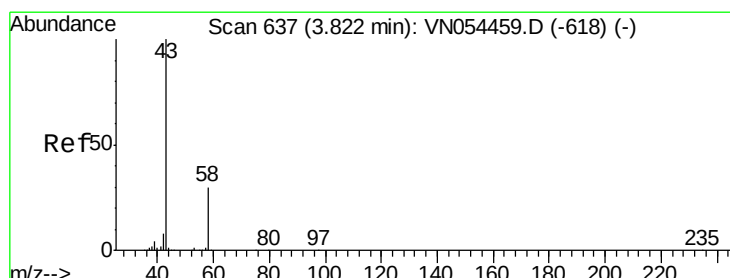
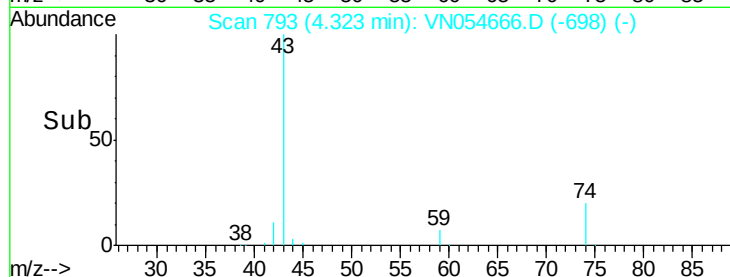
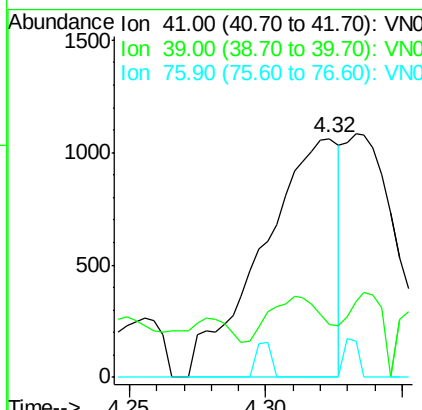
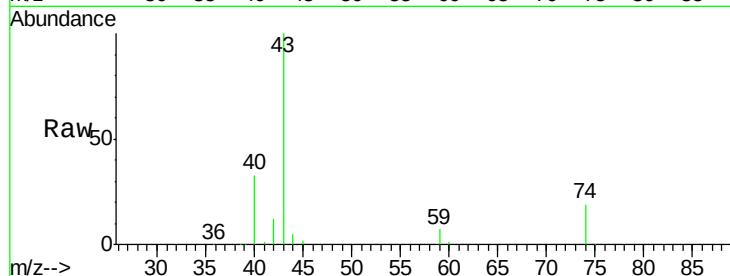




#14
Allvl chloride
Concen: 0.205 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

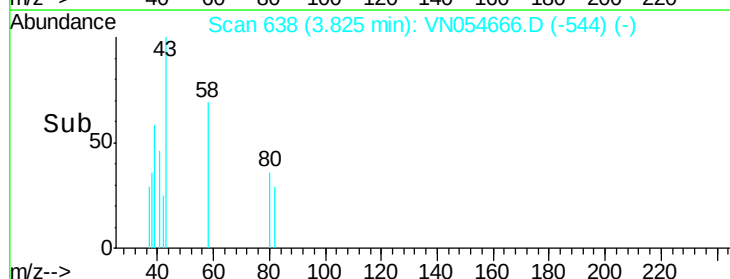
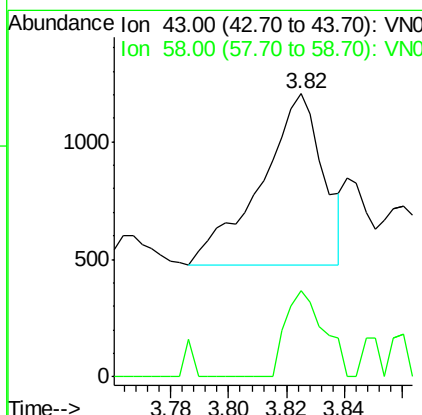
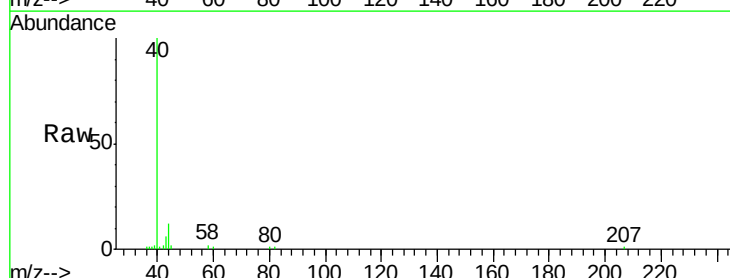
Instrument :
MSVOA_N
ClientSampled :
RCA-08ME

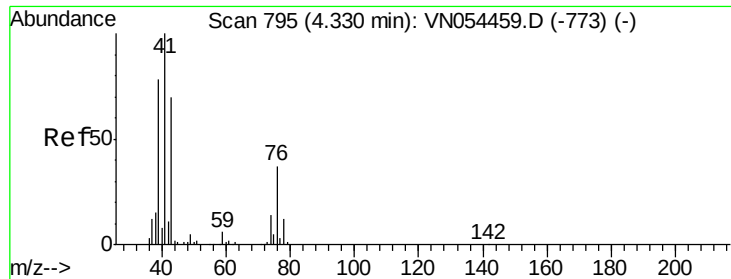
Tot Ion: 41 Resp: 2053
Ion Ratio Lower Upper
41 100
39 15.6 58.2 87.4#
76 3.2 31.7 47.5#



#16
Acetone
Concen: 0.529 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
58 28.9 29.9 44.9#

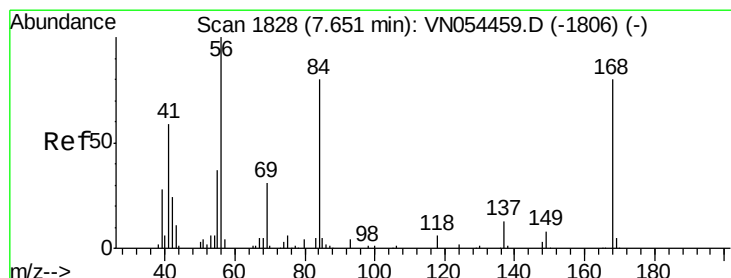
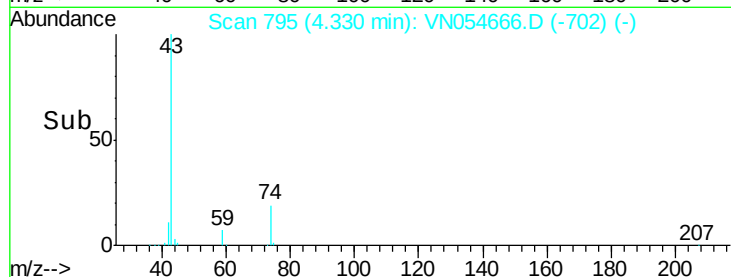
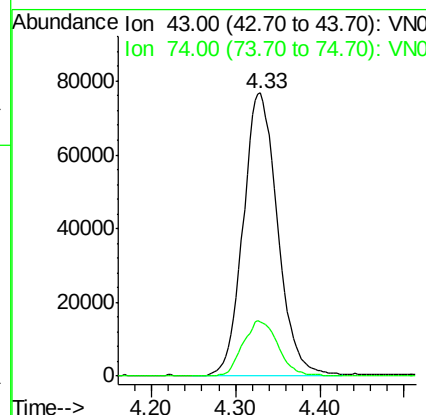
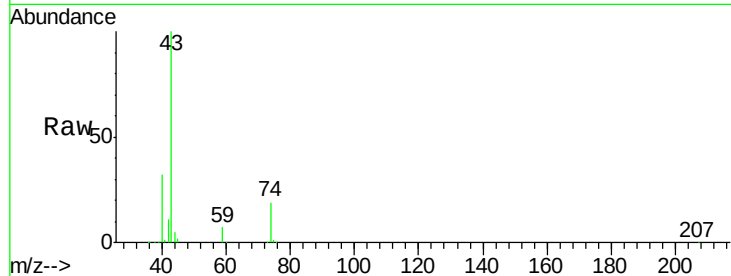




#18
Methvl Acetate
Concen: 47.725 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

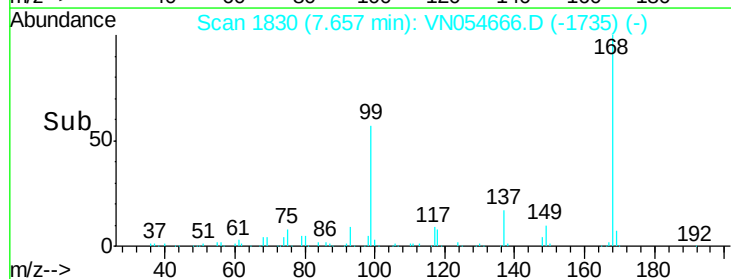
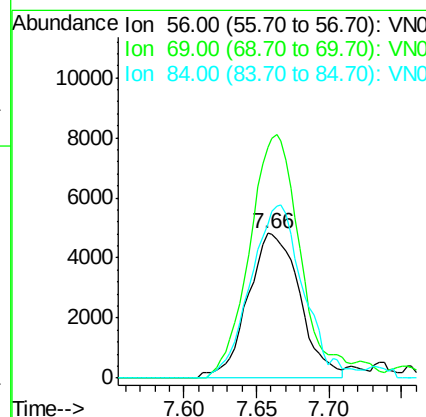
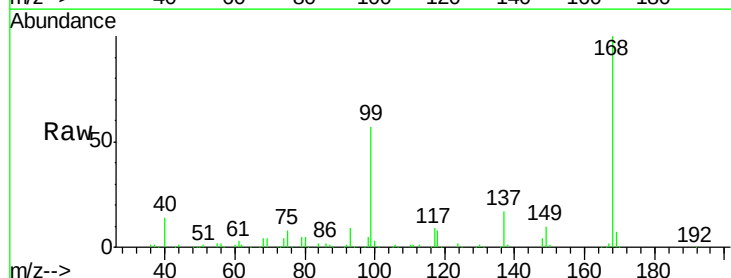
Instrument :
MSVOA_N
ClientSampled :
RCA-08ME

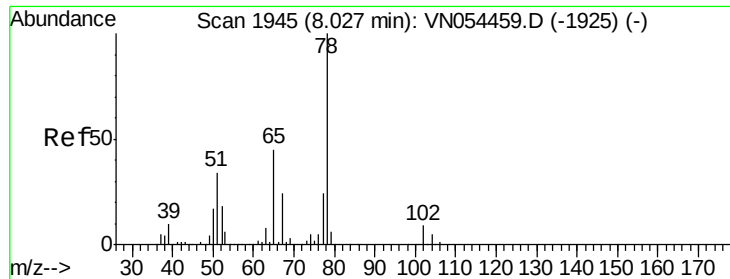
Tot Ion: 43 Resp: 218926
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Tgt Ion: 56 Resp: 11975
Ion Ratio Lower Upper
56 100
69 159.3 27.8 41.6#
84 106.2 74.6 111.8

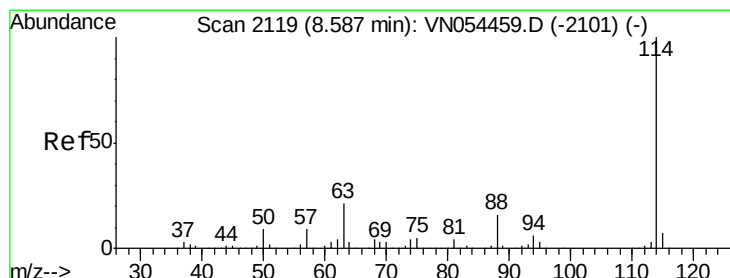
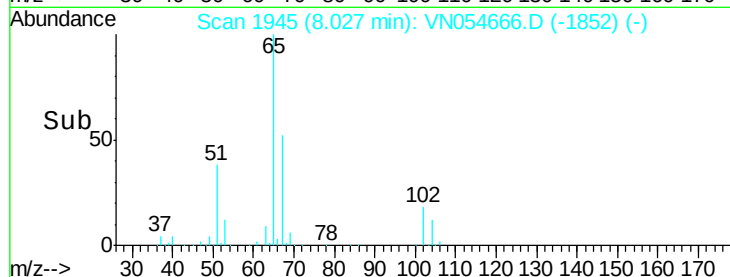
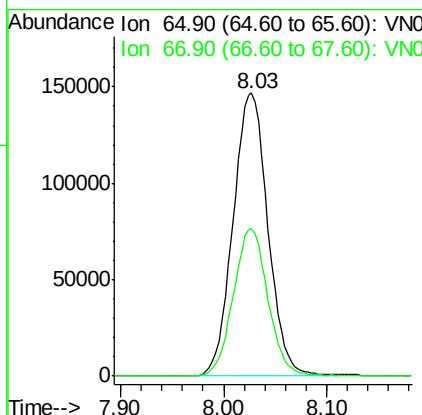
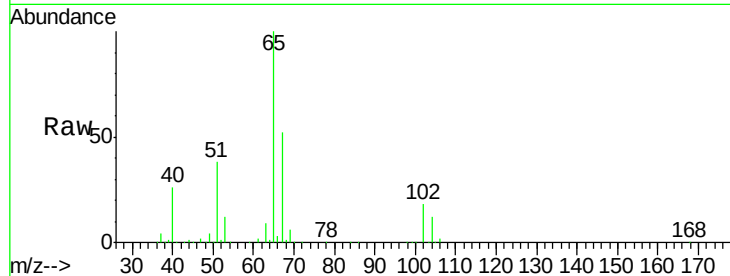




#33
 1,2-Dichloroethane-d4
 Concen: 50.442 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054666.D
 Acq: 25 Mar 2019 12:21

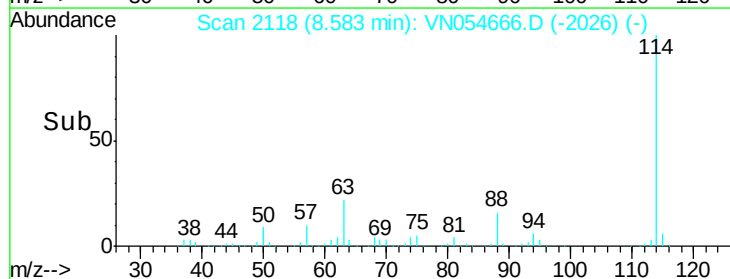
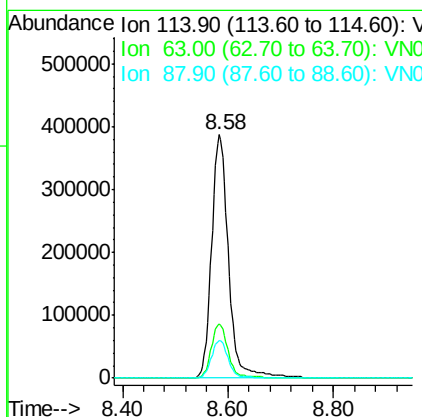
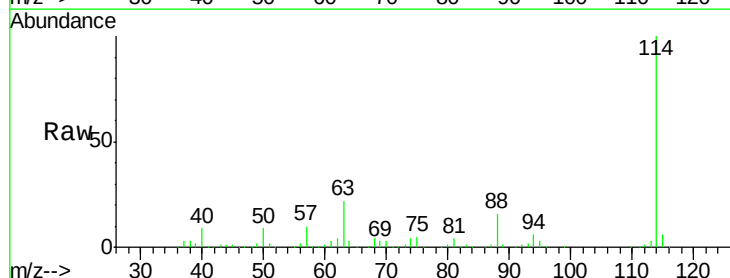
Instrument :
 MSVOA_N
 ClientSampleId :
 RCA-08ME

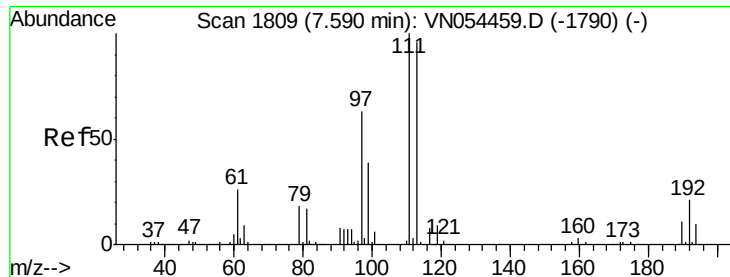
Tot Ion: 65 Resp: 345298
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054666.D
 Acq: 25 Mar 2019 12:21

Tgt Ion: 114 Resp: 864000
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.7 0.0 30.2

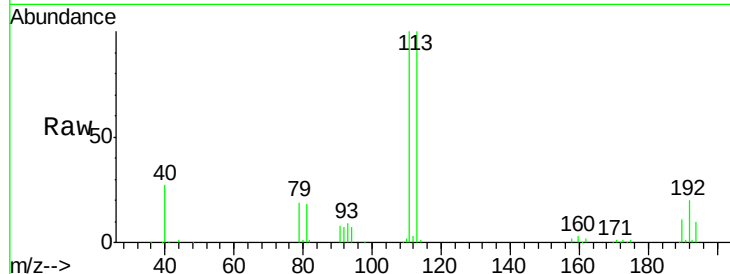




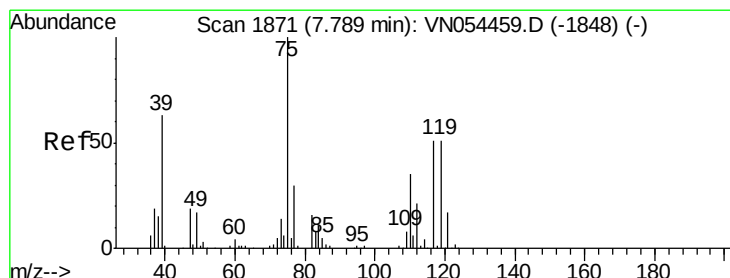
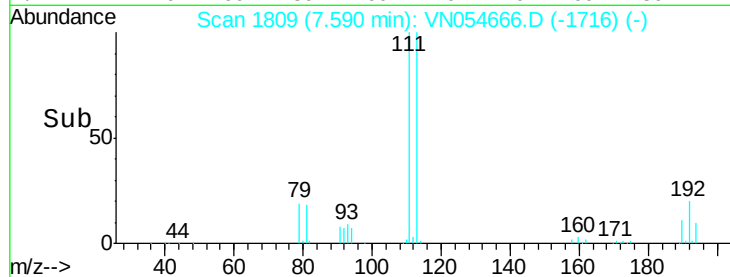
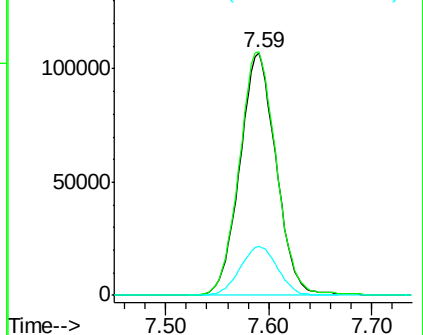
#35
Dibromofluoromethane
Concen: 46.947 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
RCA-08ME

Tot Ion:113 Resp: 261320
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 21.0 19.2 28.8

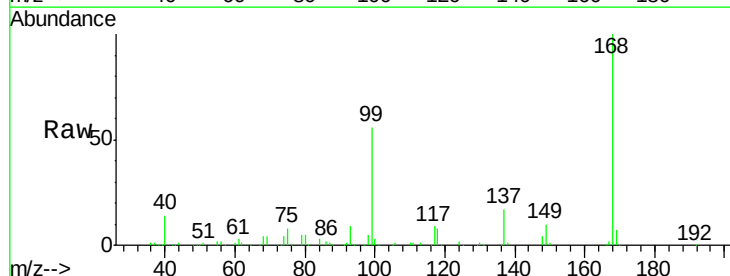


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

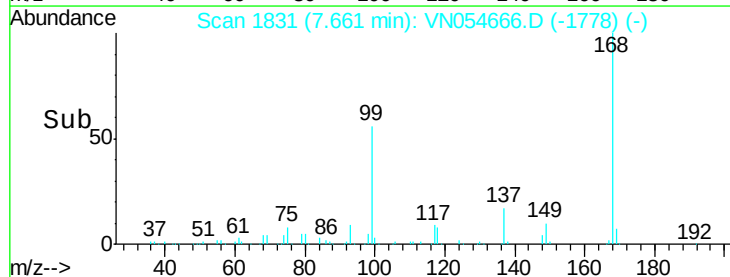
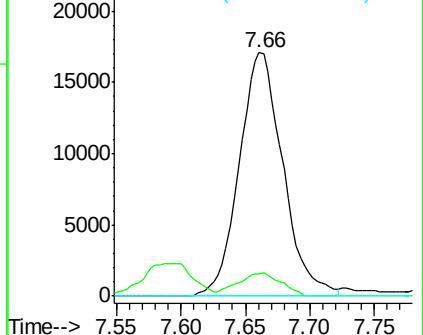


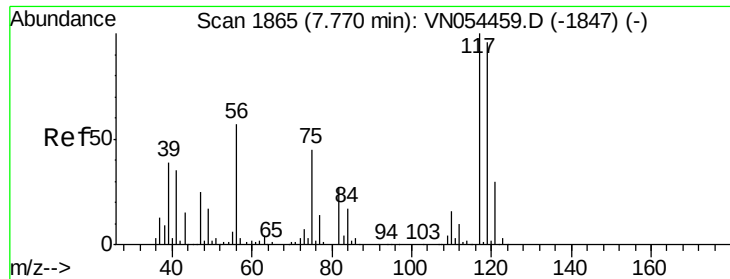
#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Tgt Ion: 75 Resp: 40267
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.5#
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.498 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

RCA-08ME

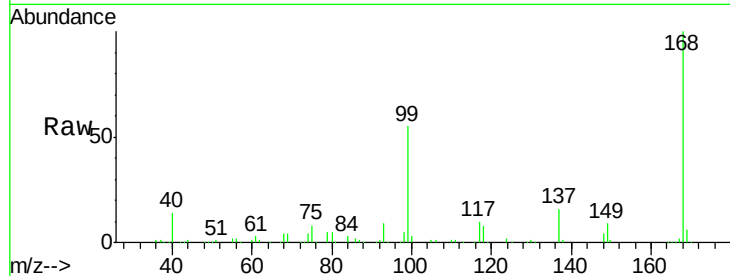
Tot Ion:117 Resp: 51015

Ion Ratio Lower Upper

117 100

119 3.9 76.3 114.5#

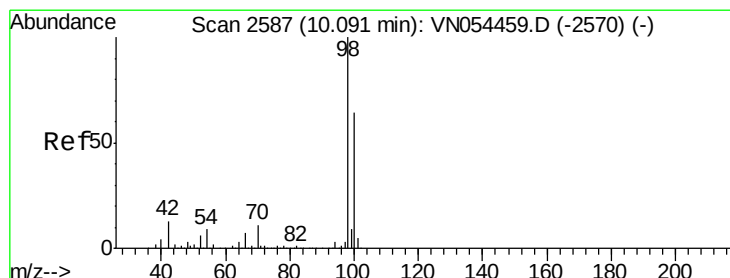
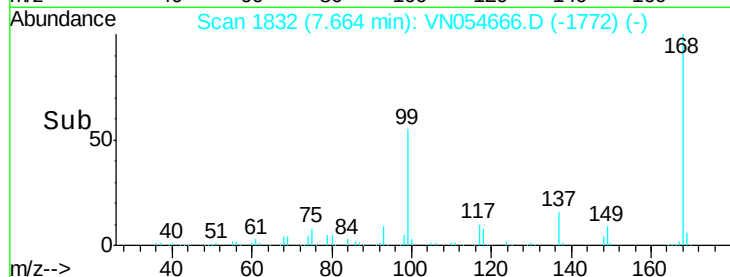
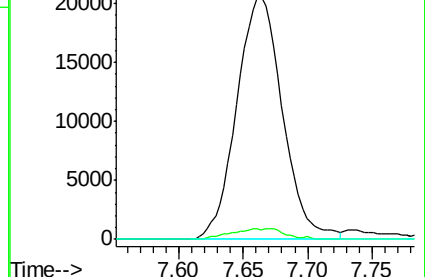
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.839 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054666.D

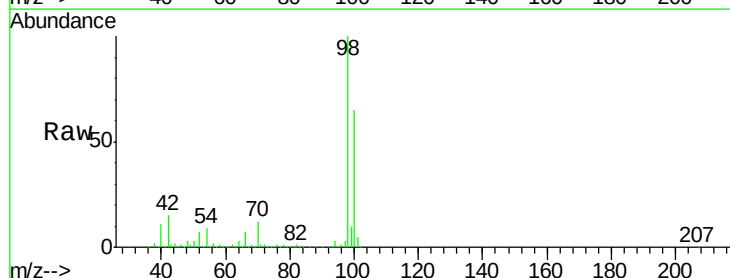
Acq: 25 Mar 2019 12:21

Tgt Ion: 98 Resp: 1042919

Ion Ratio Lower Upper

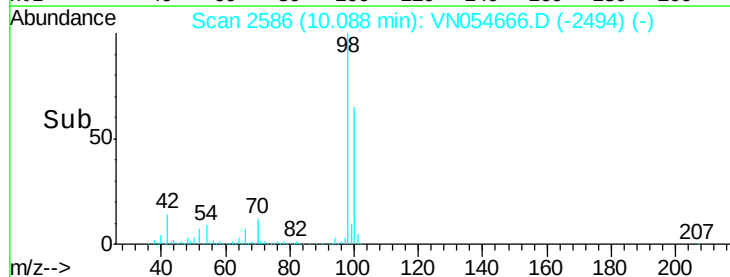
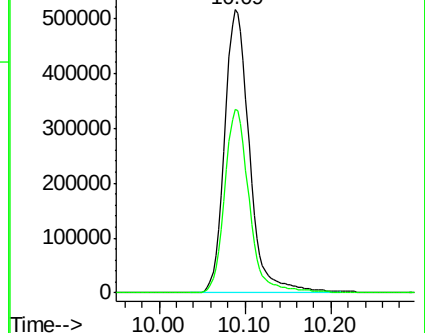
98 100

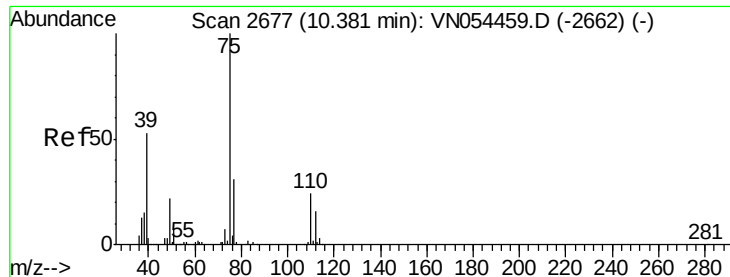
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#53

t-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 10.25 min Scan# 2635

Delta R.T. -0.13 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

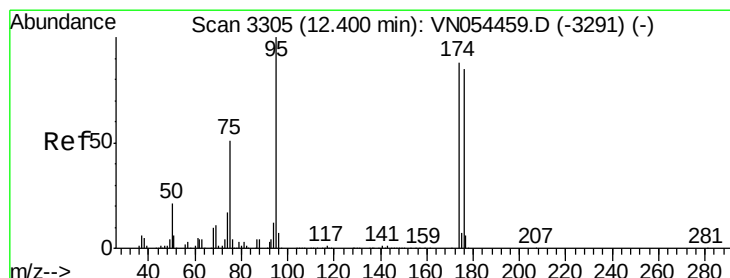
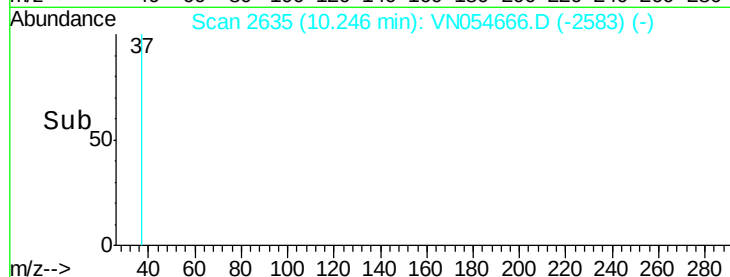
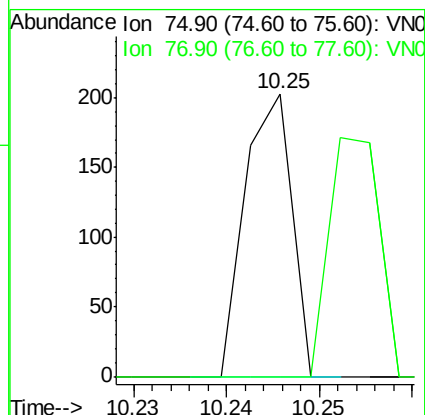
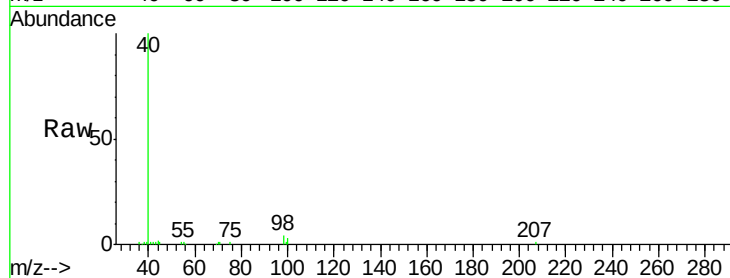
RCA-08ME

Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 45.813 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

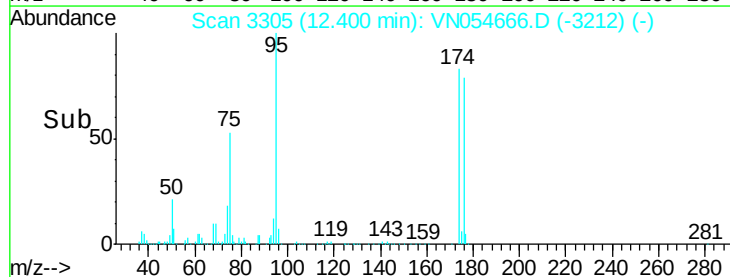
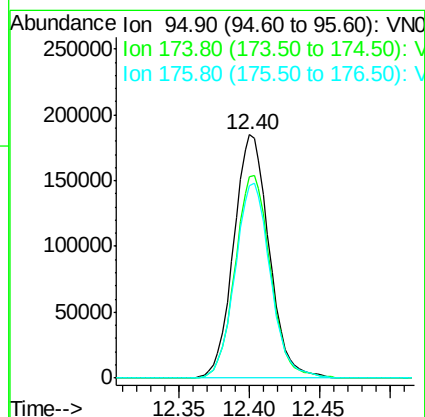
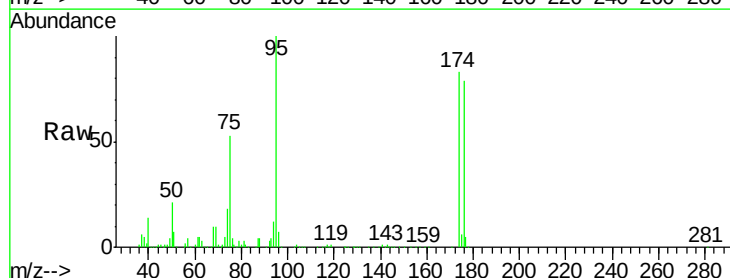
Tgt Ion: 95 Resp: 326222

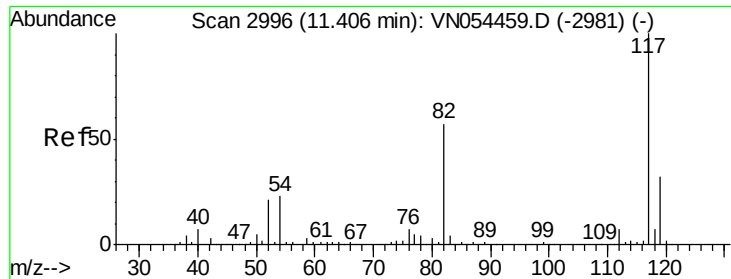
Ion Ratio Lower Upper

95 100

174 82.9 0.0 191.0

176 79.7 0.0 187.4

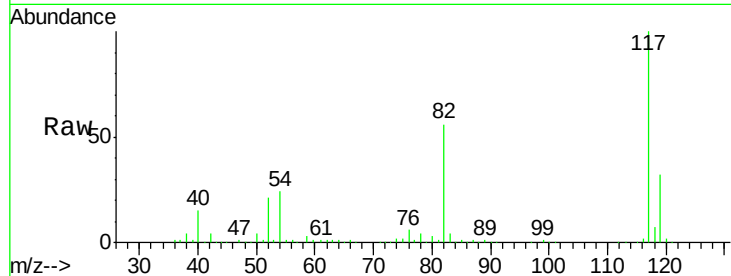




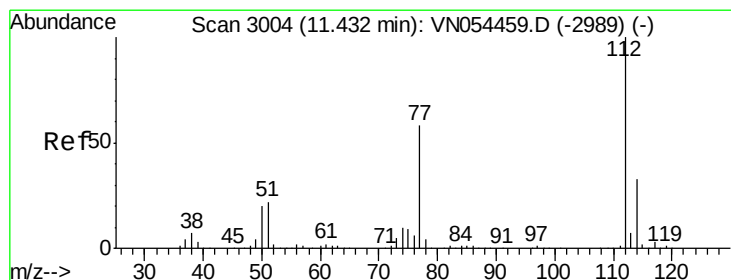
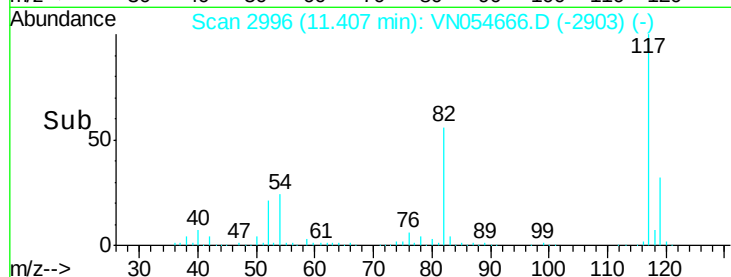
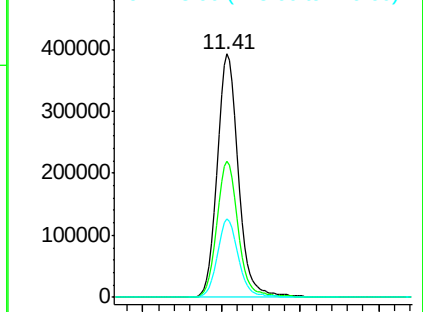
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Instrument :
MSVOA_N
ClientSampled :
RCA-08ME

Tot Ion:117 Resp: 728206
Ion Ratio Lower Upper
117 100
82 56.0 40.0 60.0
119 32.1 25.8 38.6

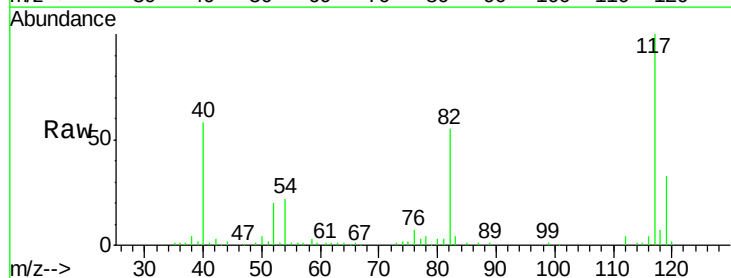


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

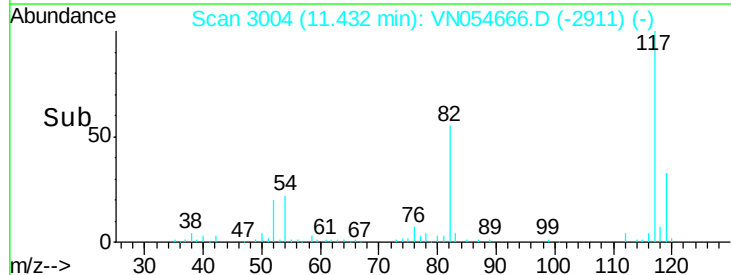
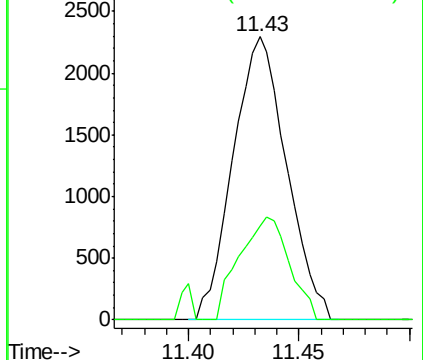


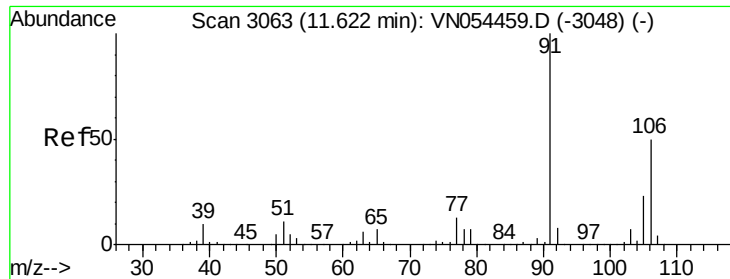
#65
Chlorobenzene
Concen: 0.261 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Tgt Ion:112 Resp: 3862
Ion Ratio Lower Upper
112 100
114 33.2 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

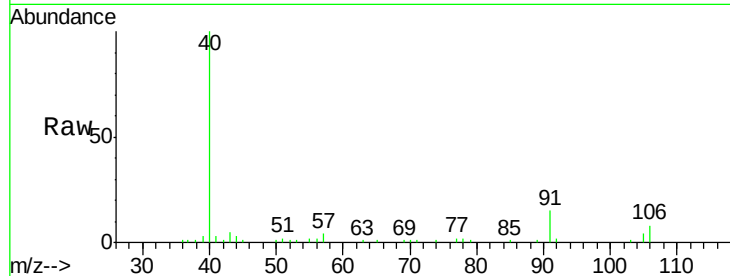




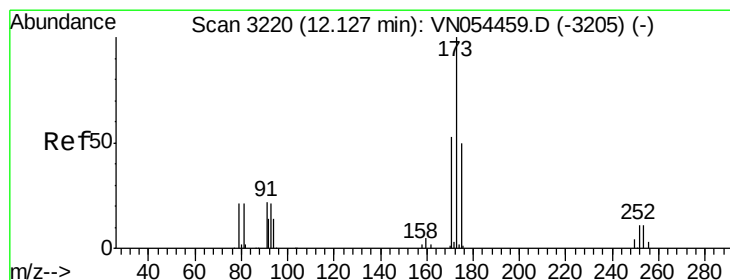
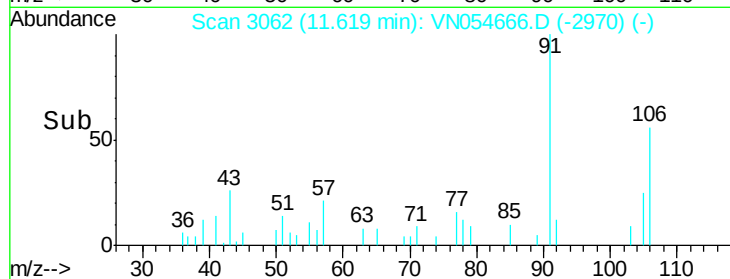
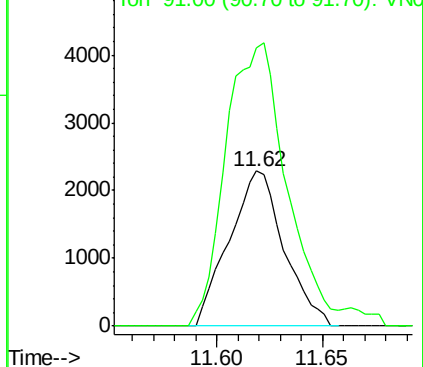
#68
m/p-Xylenes
Concen: 0.418 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Instrument :
MSVOA_N
ClientSampled :
RCA-08ME

Tot Ion:106 Resp: 4140
Ion Ratio Lower Upper
106 100
91 201.5 159.4 239.2

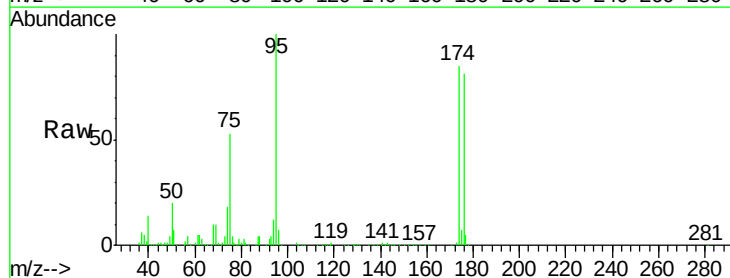


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

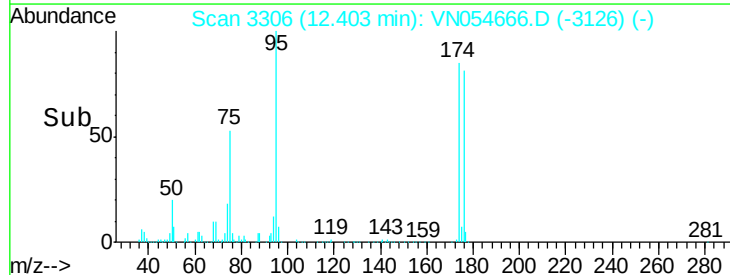
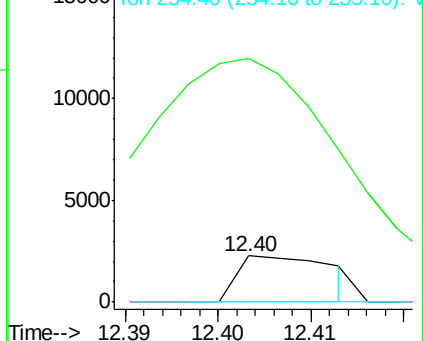


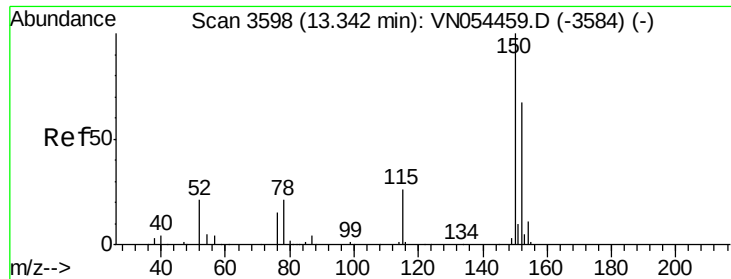
#71
Bromoform
Concen: 2.636 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054666.D
Acq: 25 Mar 2019 12:21

Tgt Ion:173 Resp: 1593
Ion Ratio Lower Upper
173 100
175 1106.7 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

RCA-08ME

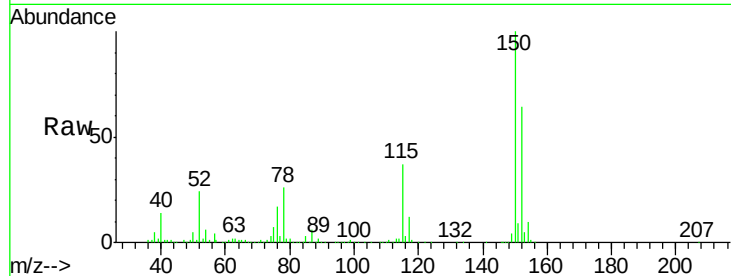
Tot Ion:152 Resp: 296329

Ion Ratio Lower Upper

152 100

115 57.2 27.2 81.6

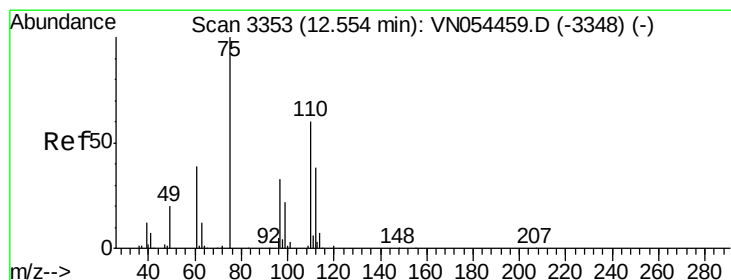
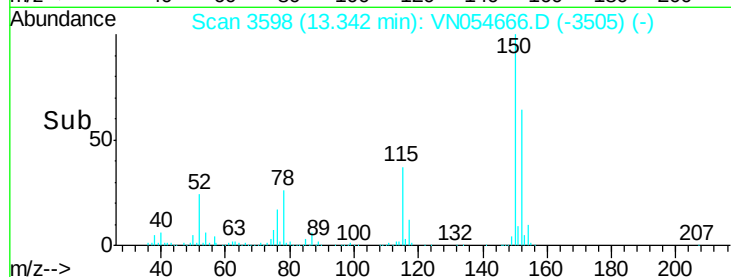
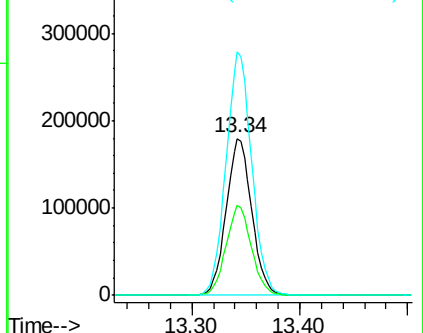
150 155.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 36.180 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054666.D

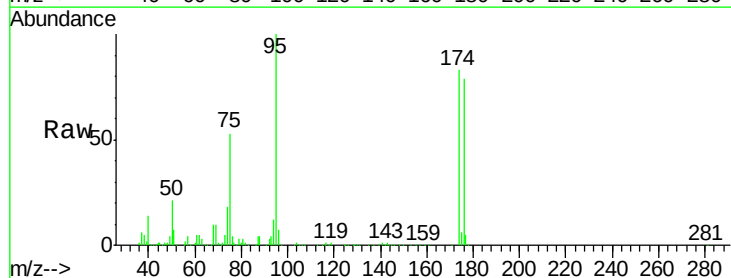
Acq: 25 Mar 2019 12:21

Tgt Ion: 75 Resp: 170128

Ion Ratio Lower Upper

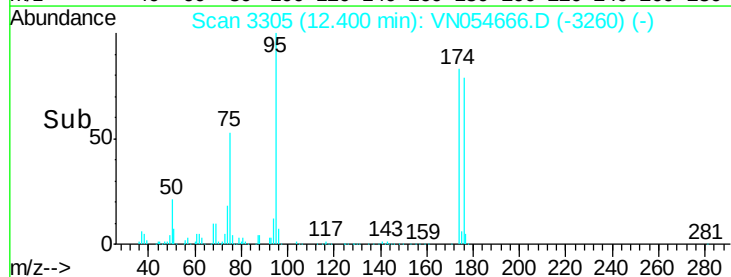
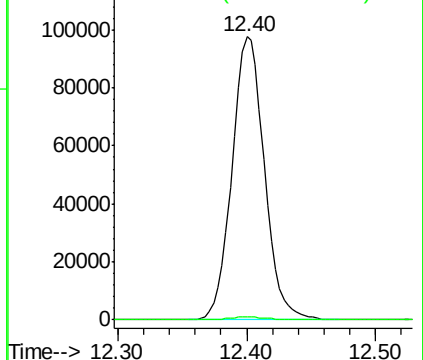
75 100

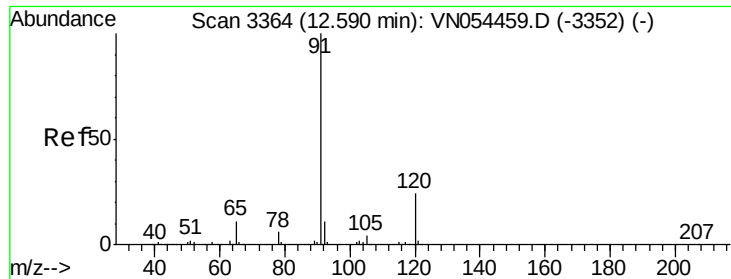
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 0.213 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

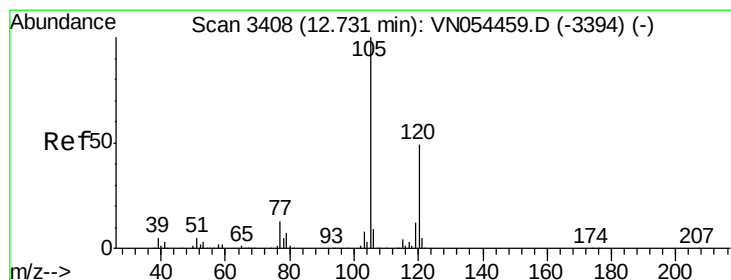
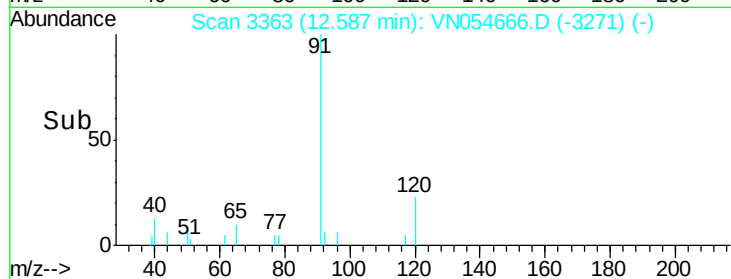
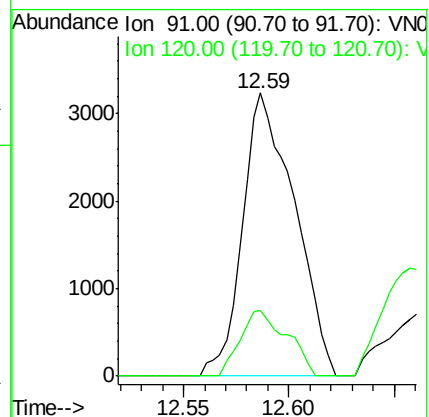
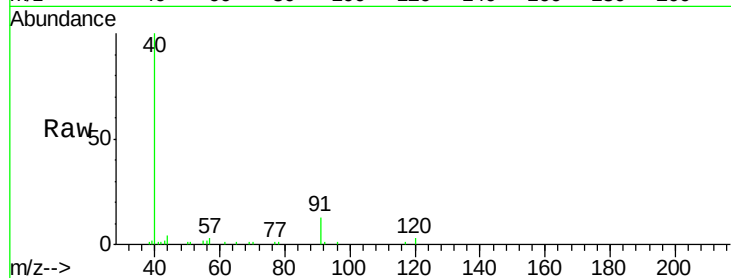
RCA-08ME

Tot Ion: 91 Resp: 5527

Ion Ratio Lower Upper

91 100

120 20.8 12.3 36.9



#80

1,3,5-Trimethylbenzene

Concen: 0.375 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054666.D

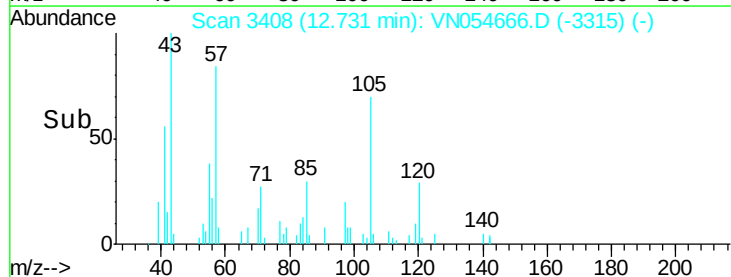
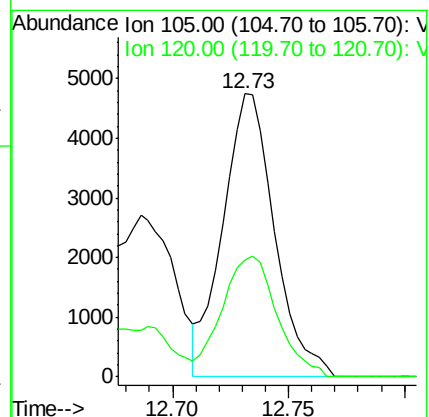
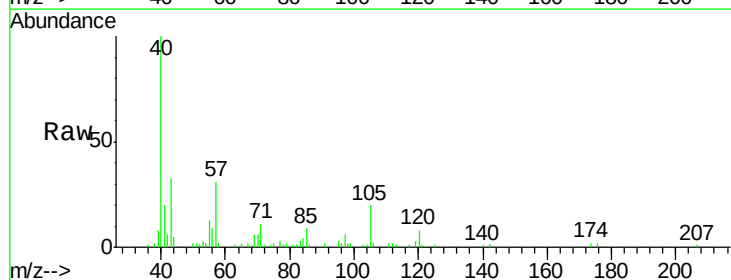
Acq: 25 Mar 2019 12:21

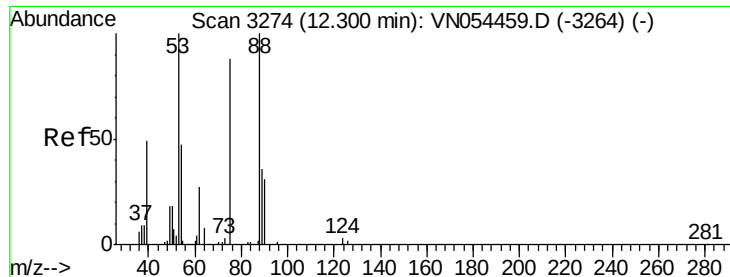
Tgt Ion: 105 Resp: 7337

Ion Ratio Lower Upper

105 100

120 45.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 119.985 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

RCA-08ME

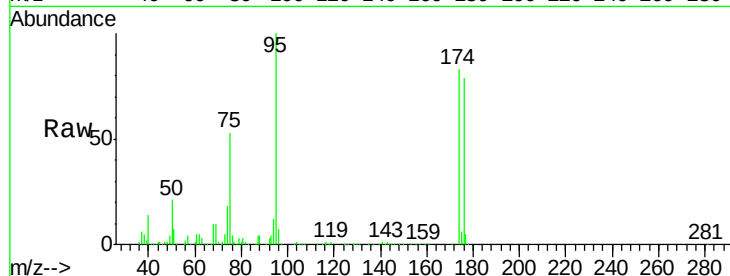
Tot Ion: 75 Resp: 170128

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

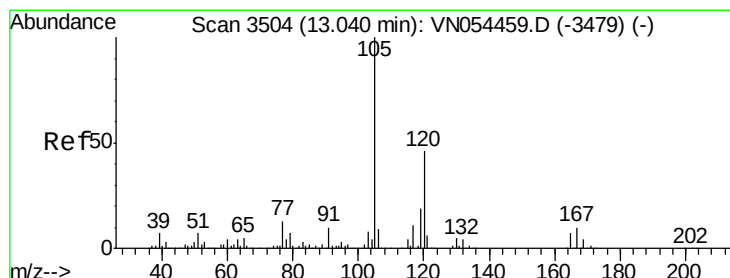
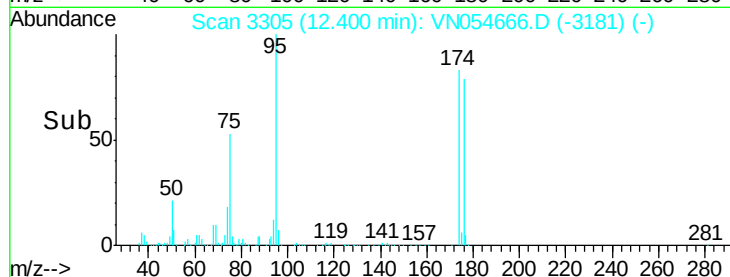
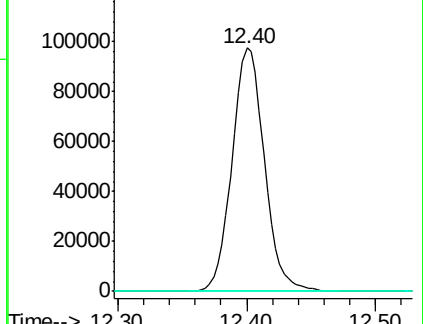
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054459.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054459.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.971 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054666.D

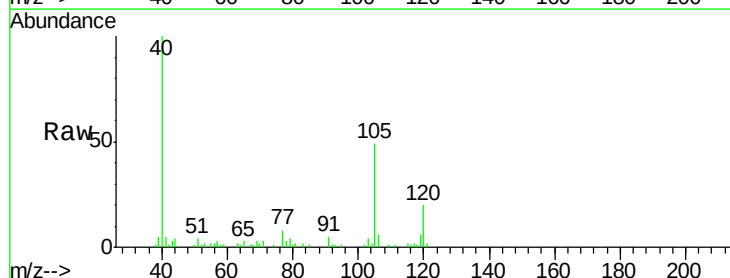
Acq: 25 Mar 2019 12:21

Tgt Ion:105 Resp: 18638

Ion Ratio Lower Upper

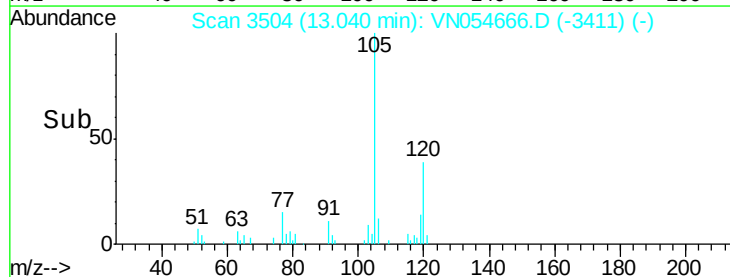
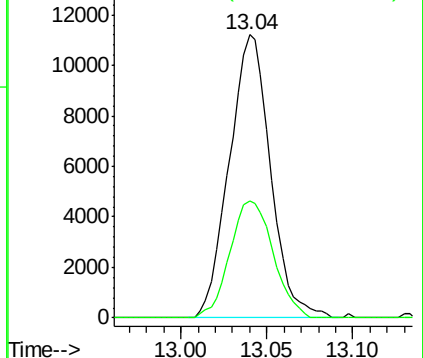
105 100

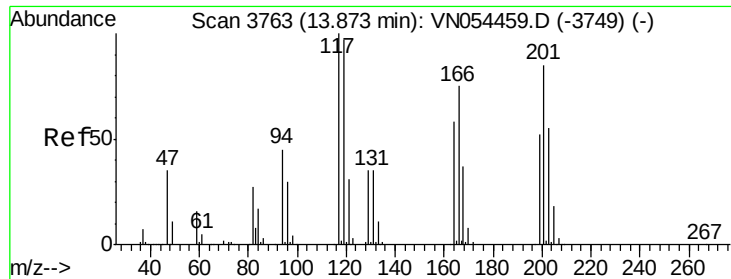
120 43.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3479) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3479) (-)





#90

Hexachloroethane

Concen: 0.446 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

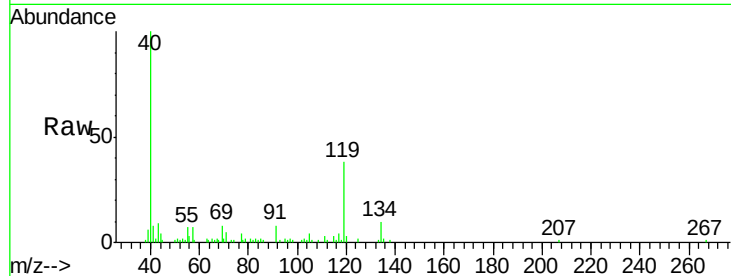
RCA-08ME

Tot Ion:117 Resp: 1314

Ion Ratio Lower Upper

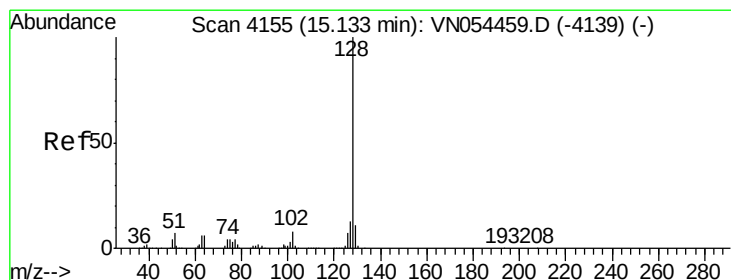
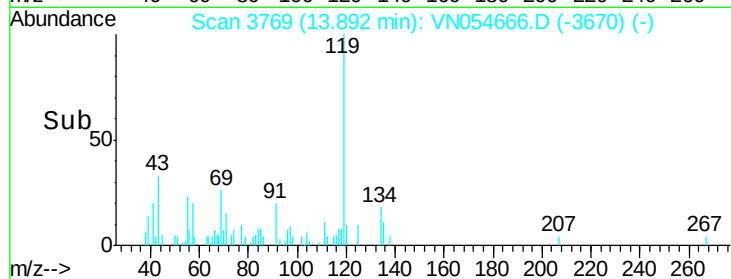
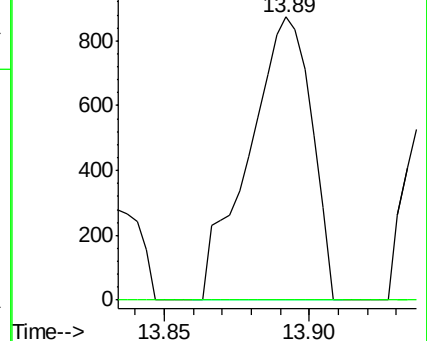
117 100

201 0.0 48.1 144.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 8.685 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054666.D

Acq: 25 Mar 2019 12:21

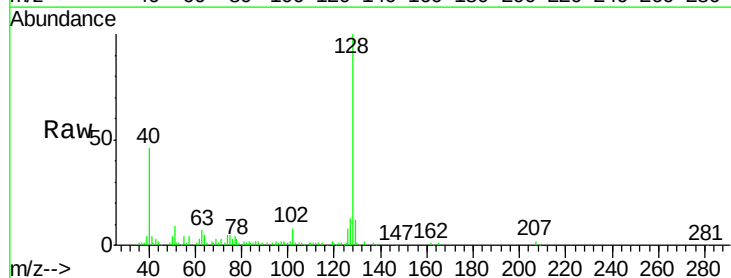
Tgt Ion:128 Resp: 91797

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 12.1 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

