

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054222.D
 Acq On : 13 Mar 2019 19:37
 Operator : JC/SP
 Sample : K1842-08DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:20:38 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	7.67	168	1382890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2305712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2403956	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1202112	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	735222	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
35) Dibromofluoromethane	7.59	113	713363	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.09	98	2864913	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.40	95	1145333	59.60	ug/l	0.00
Spiked Amount			Recovery	=	119.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	289	1.511	ug/l #	57
13) Acrolein	3.62	56	262	0.275	ug/l #	14
16) Acetone	3.82	43	8752	2.081	ug/l	90
25) 2-Butanone	6.86	43	1127	0.228	ug/l #	79
31) Cyclohexane	7.66	56	38440	0.526	ug/l #	51
36) 1,1-Dichloropropene	7.66	75	82143	3.869	ug/l #	49
38) Carbon Tetrachloride	7.67	117	114707	5.151	ug/l #	15
39) Methylcyclohexane	9.08	83	25157	0.963	ug/l	97
52) Toluene	10.16	92	101991	2.647	ug/l	98
53) t-1,3-Dichloropropene	10.28	75	63	1.989	ug/l #	2
58) 2-Chloroethyl Vinyl ether	9.69	63	31	16.832	ug/l #	44
67) Ethyl Benzene	11.51	91	3023186	34.551	ug/l	100
68) m/p-Xylenes	11.63	106	1788317	52.292	ug/l	99
69) o-Xylene	11.95	106	1226158	36.780	ug/l	99
70) Styrene	11.95	104	62490	1.195	ug/l #	1
71) Bromoform	12.14	173	905	2.410	ug/l #	28
73) Isopropylbenzene	12.25	105	372719	3.875	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	548723	31.041	ug/l #	100
77) Bromobenzene	12.56	156	224930	8.838	ug/l #	1
78) n-propylbenzene	12.59	91	447789	4.291	ug/l	99
79) 2-Chlorotoluene	12.69	91	104641	1.668	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	1396598	17.458	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	548723	106.111	ug/l #	11
82) 4-Chlorotoluene	12.73	91	137328	2.192	ug/l #	39
83) tert-Butylbenzene	13.04	119	513906	6.979	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	4064483	51.788	ug/l	100
85) sec-Butylbenzene	13.04	105	4064483	42.563	ug/l #	55
86) p-Isopropyltoluene	13.23	119	116511	1.391	ug/l	97
89) n-Butylbenzene	13.58	91	32049	0.503	ug/l #	1
90) Hexachloroethane	13.89	117	34175	2.464	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3415	1.077	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	1090	2.557	ug/l #	1
95) Naphthalene	15.13	128	963563	20.477	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054222.D
Acq On : 13 Mar 2019 19:37
Operator : JC/SP
Sample : K1842-08DL 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 14 05:20:38 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

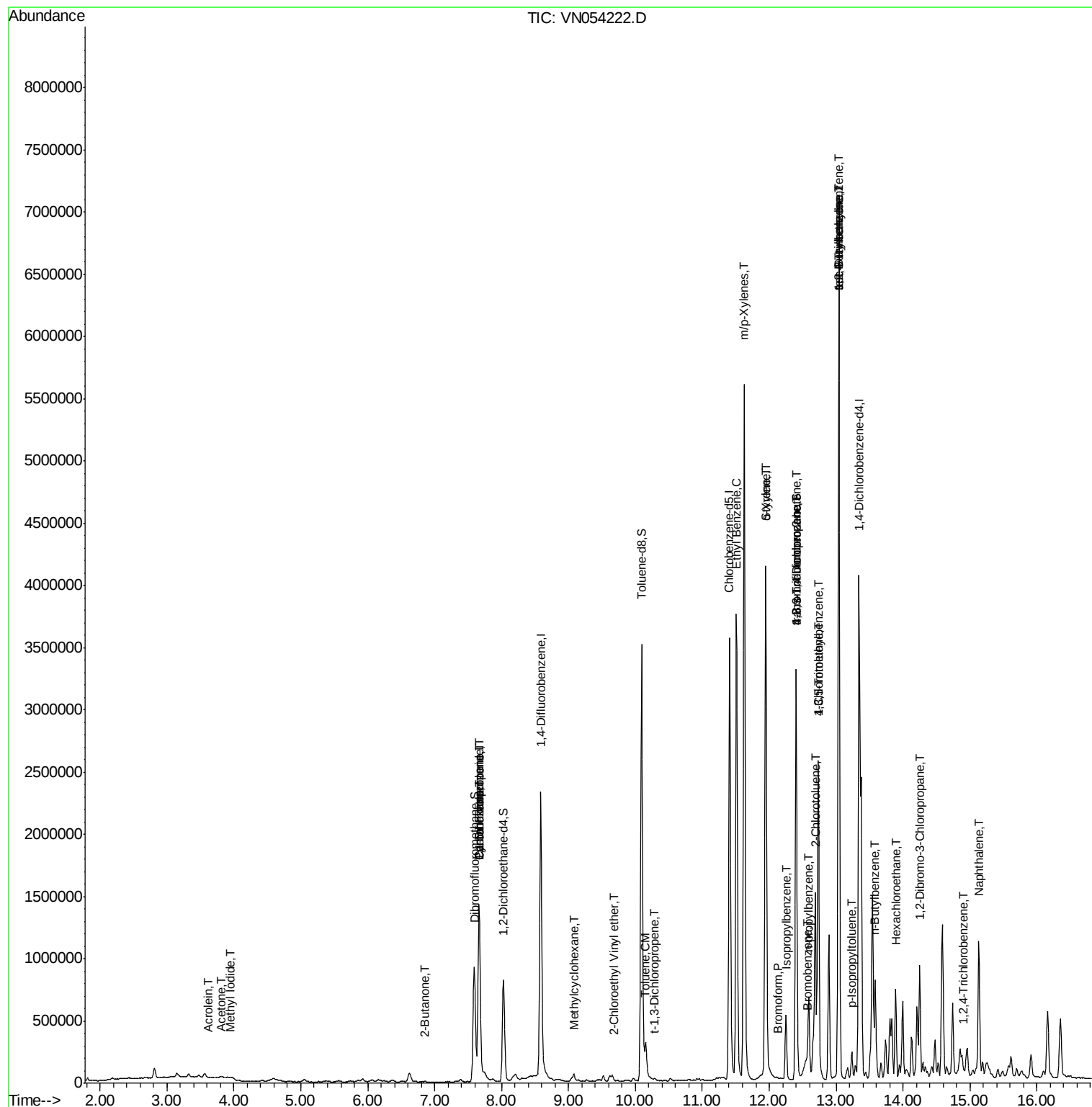
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

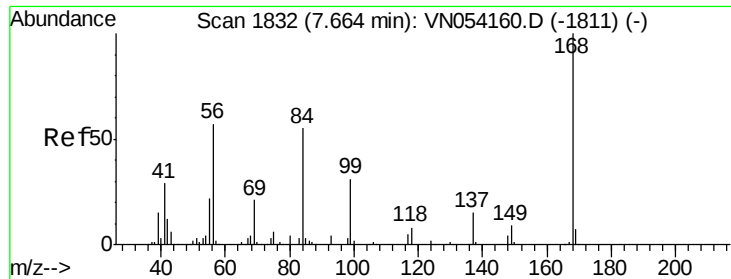
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054222.D
Acq On : 13 Mar 2019 19:37
Operator : JC/SP
Sample : K1842-08DL 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 14 05:20:38 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

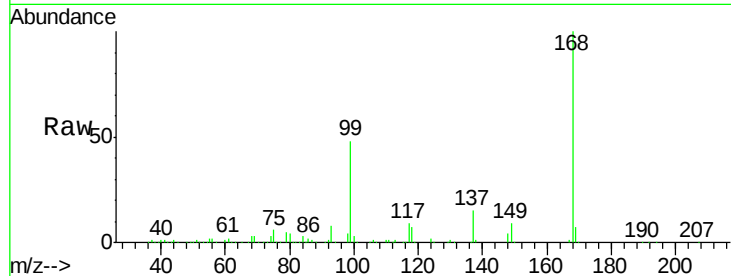
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1382890

Ion Ratio Lower Upper

168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

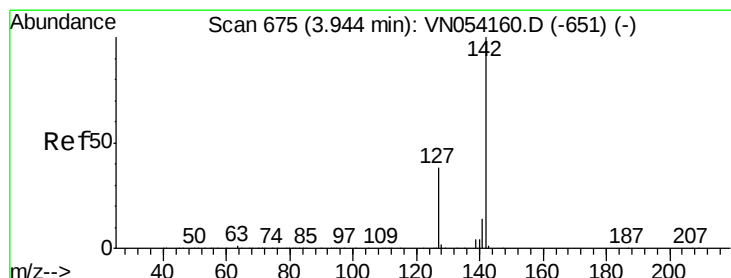
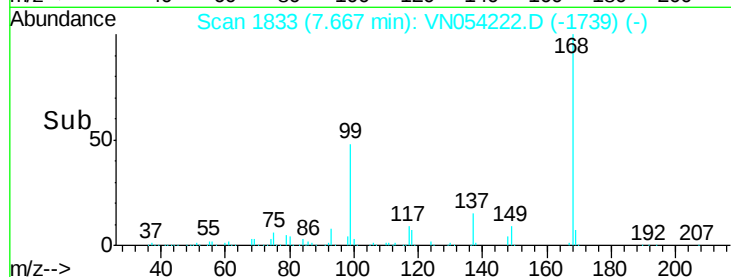
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.511 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

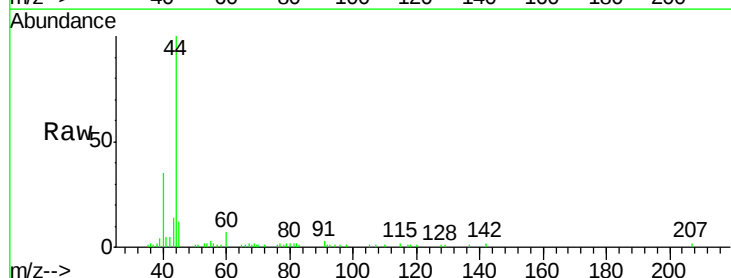
Tgt Ion:142 Resp: 289

Ion Ratio Lower Upper

142 100

127 10.4 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

400

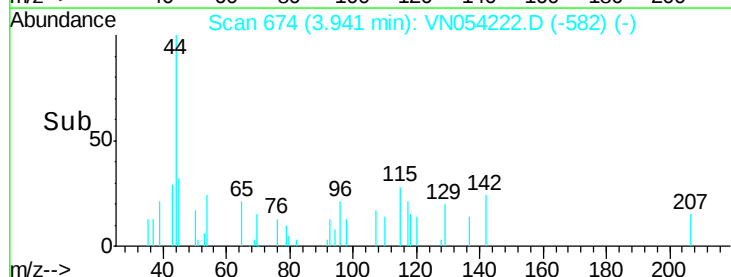
300

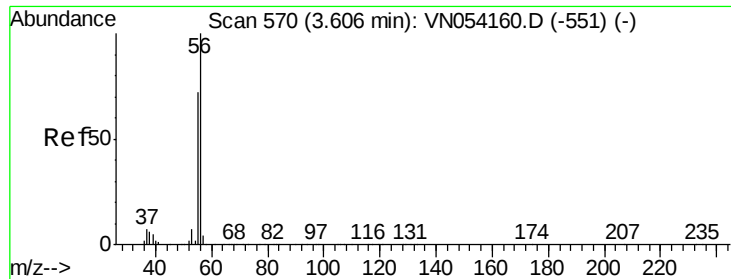
200

100

0

Time-->





#13

Acrolein

Concen: 0.275 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

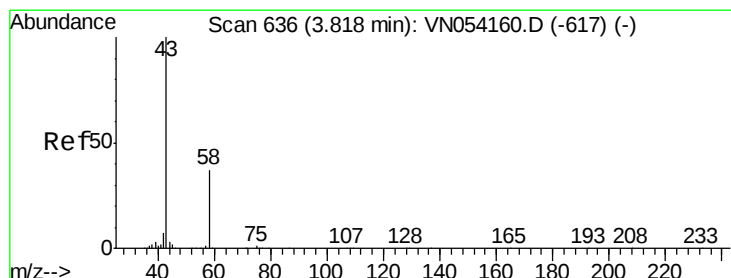
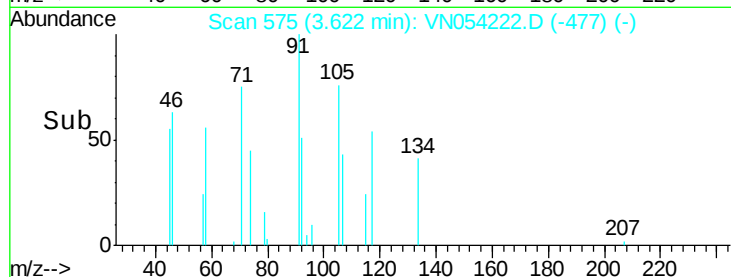
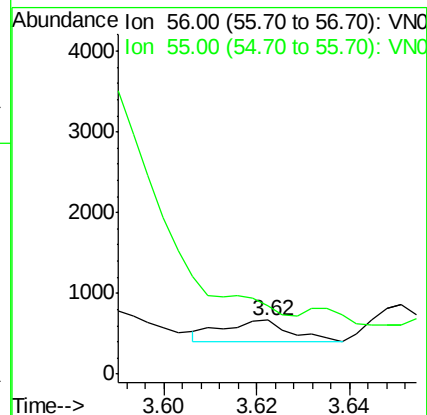
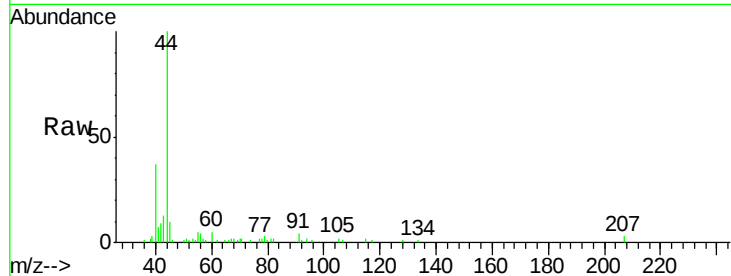
ClientSampleId :

Tot Ion: 56 Resp: 262

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 2.081 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054222.D

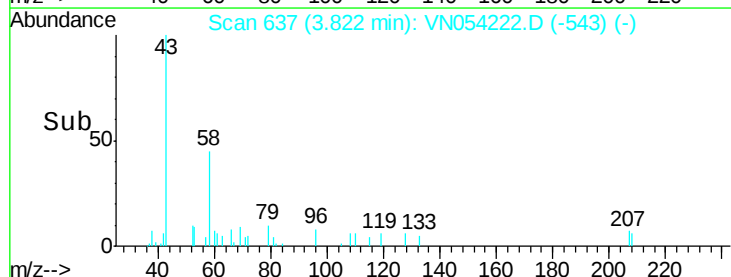
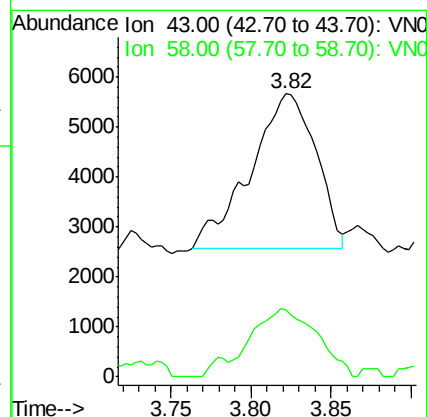
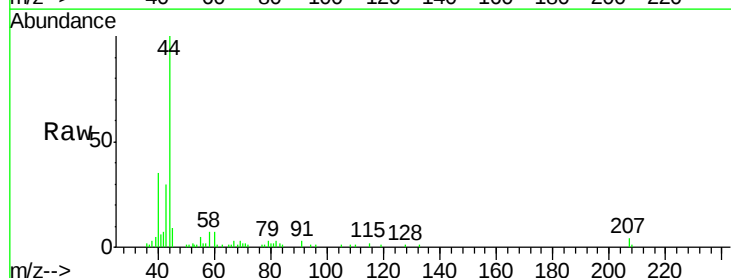
Acq: 13 Mar 2019 19:37

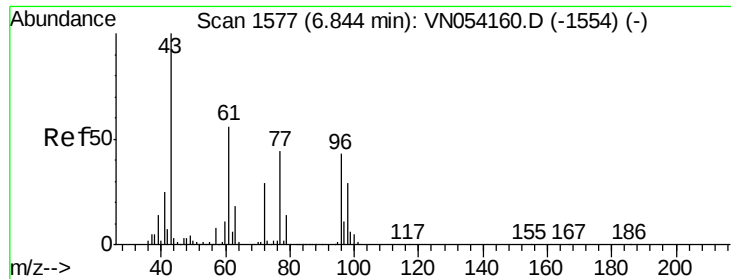
Tgt Ion: 43 Resp: 8752

Ion Ratio Lower Upper

43 100

58 43.4 29.9 44.9

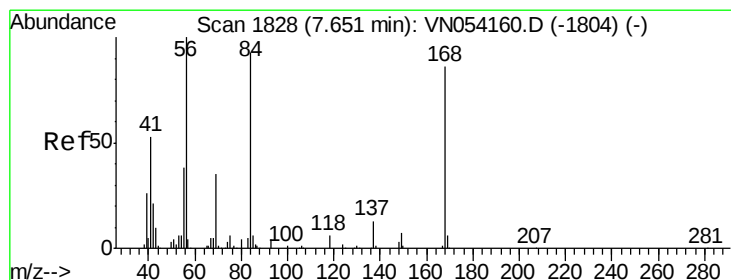
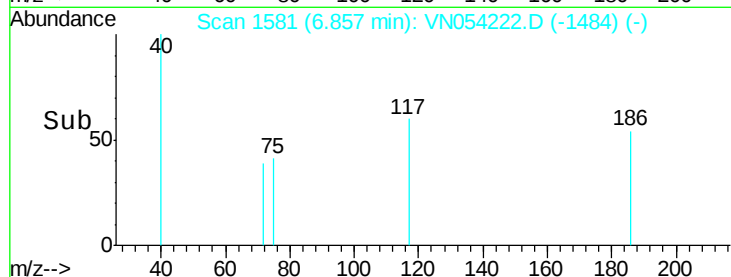
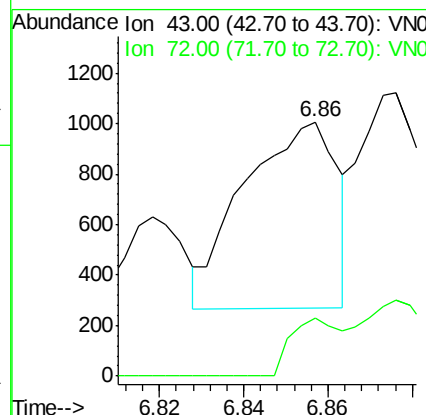
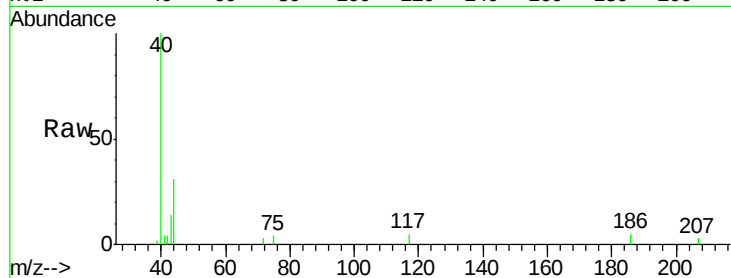




#25
2-Butanone
Concen: 0.228 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

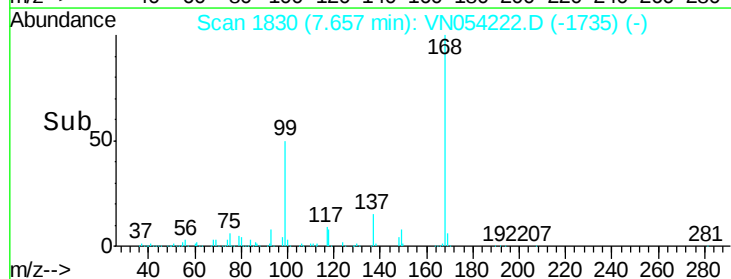
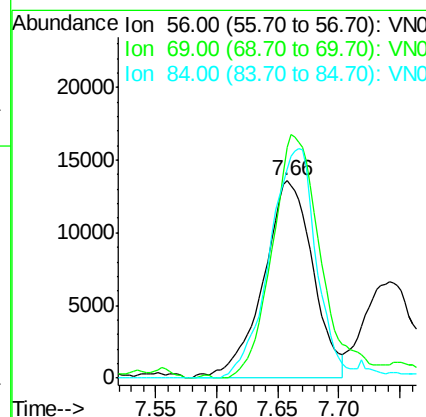
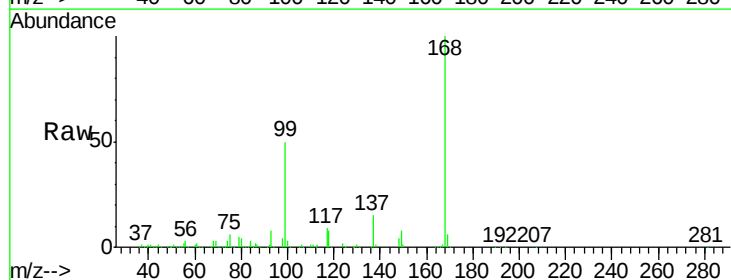
Instrument :
MSVOA_N
ClientSampled :

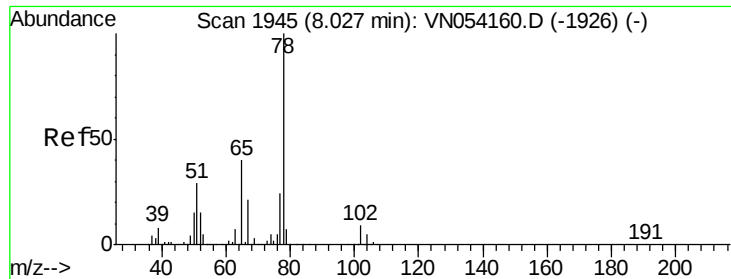
Tot Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
72 39.9 23.0 34.6#



#31
Cyclohexane
Concen: 0.526 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

Tgt Ion: 56 Resp: 38440
Ion Ratio Lower Upper
56 100
69 117.4 27.8 41.6#
84 106.2 74.6 111.8





#33

1,2-Dichloroethane-d4

Concen: 50.062 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

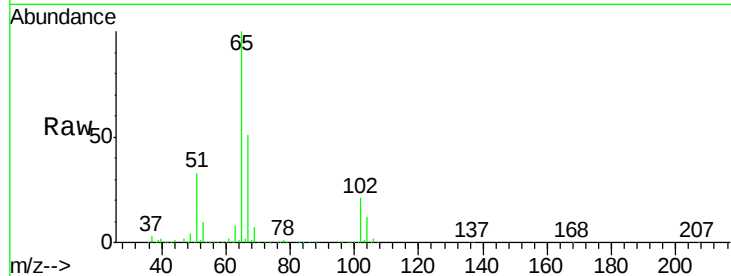
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 735222

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054222.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054222.D (-1852) (-)

8.03

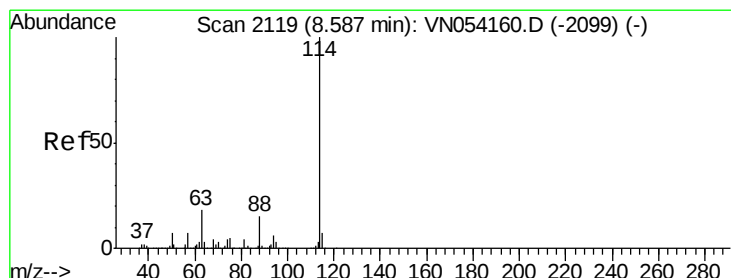
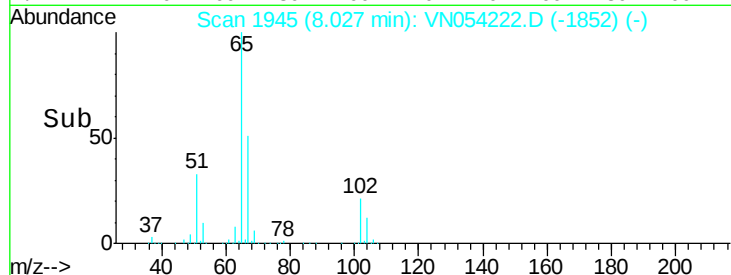
300000

200000

100000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

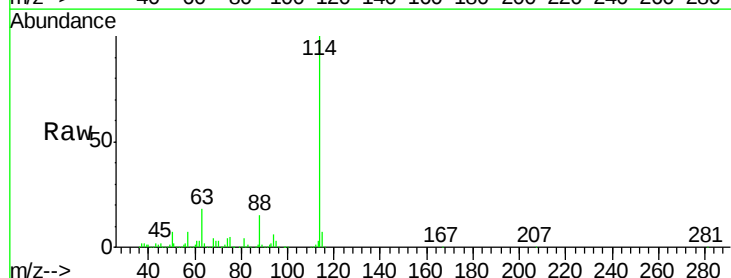
Tgt Ion: 114 Resp: 2305712

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.2

88 14.9 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054222.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054222.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054222.D (-2026) (-)

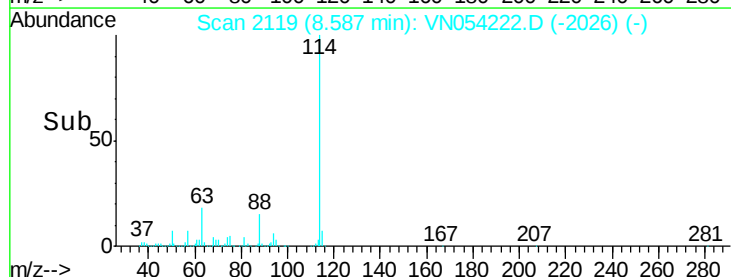
8.59

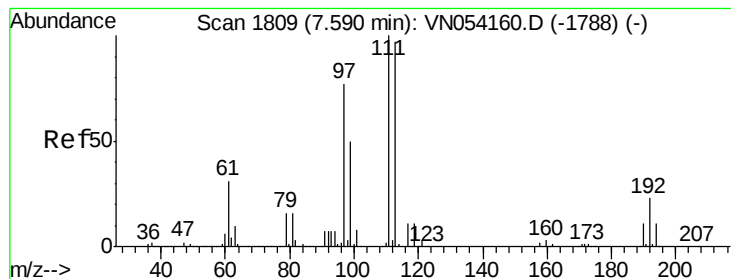
1000000

500000

0

Time--> 8.40 8.60 8.80





#35

Dibromofluoromethane

Concen: 47.970 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :
MSVOA_N
ClientSampleId :

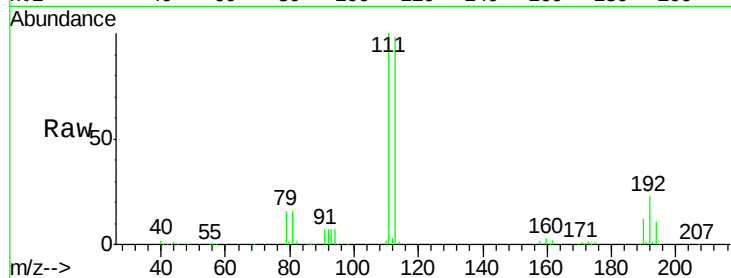
Tot Ion:113 Resp: 713363

Ion Ratio Lower Upper

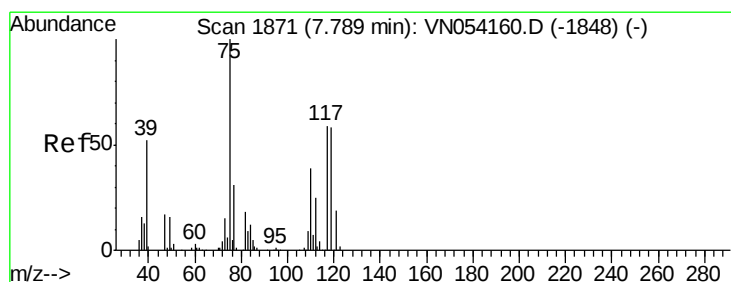
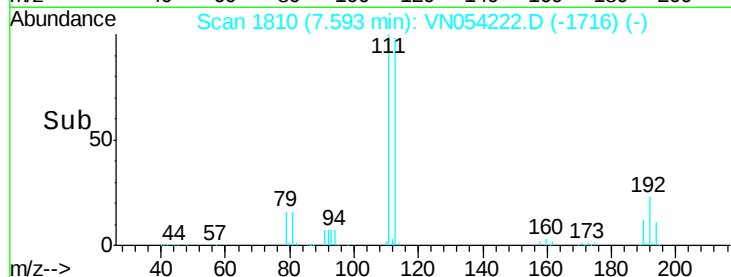
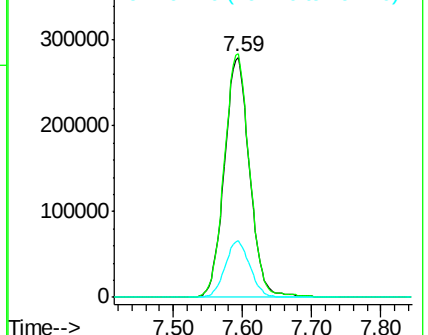
113 100

111 101.3 82.2 123.4

192 23.3 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: 3.869 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

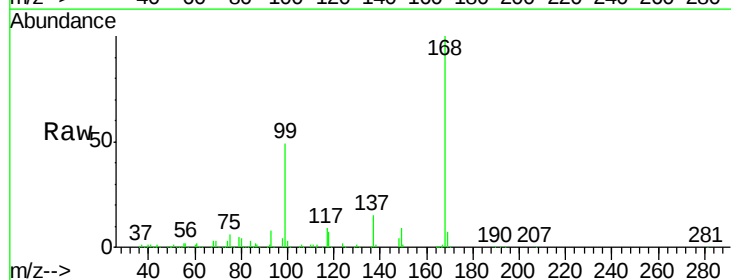
Tgt Ion: 75 Resp: 82143

Ion Ratio Lower Upper

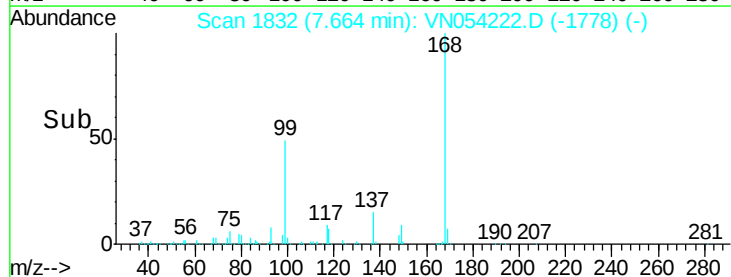
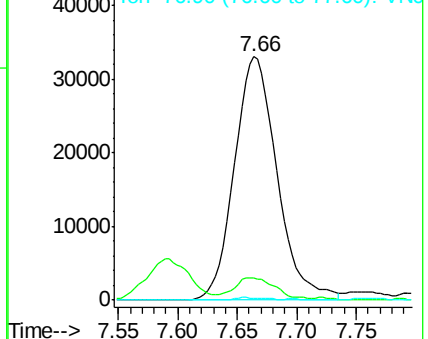
75 100

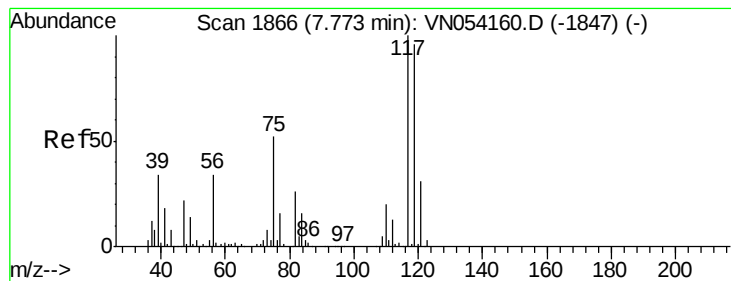
110 9.2 19.1 57.5#

77 0.6 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: 5.151 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

ClientSampled :

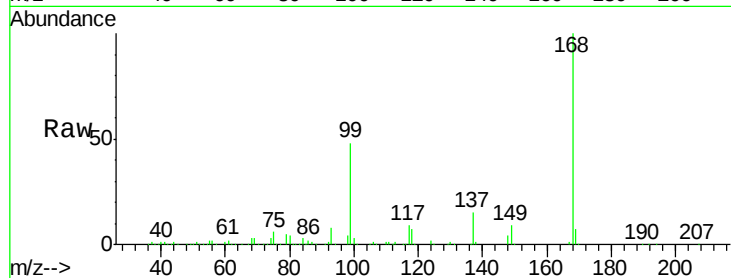
Tot Ion:117 Resp: 114707

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

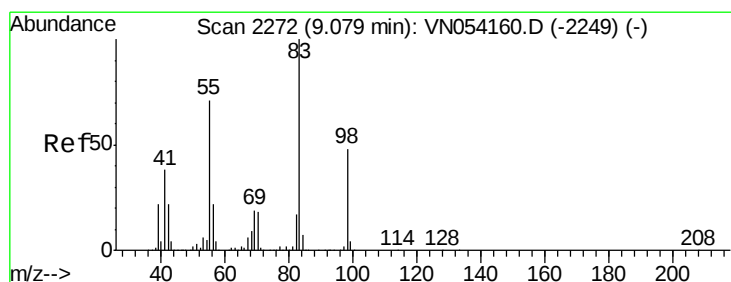
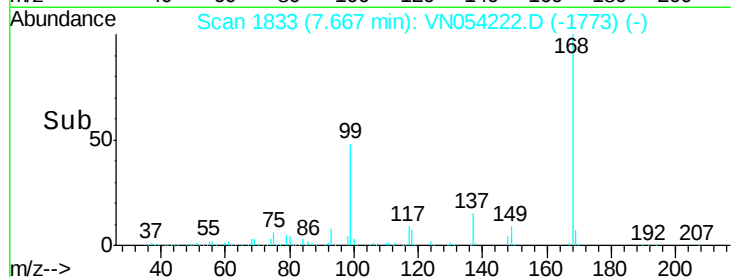
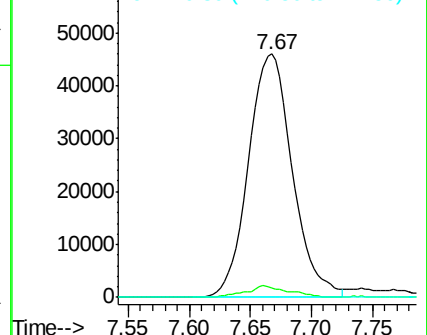
121 0.0 24.6 36.8#



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: 0.963 ug/l

RT: 9.08 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

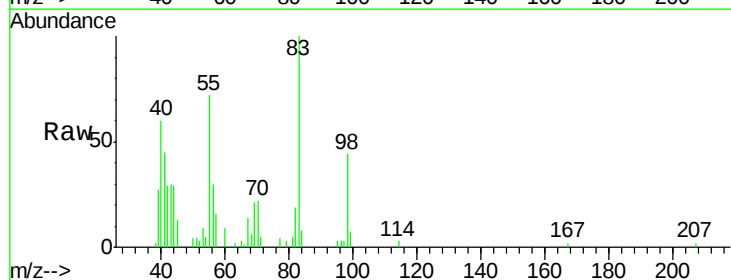
Tgt Ion: 83 Resp: 25157

Ion Ratio Lower Upper

83 100

55 69.9 56.6 84.8

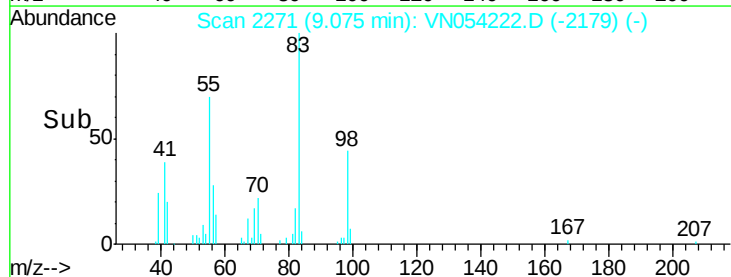
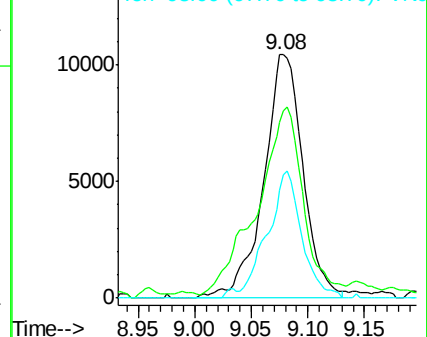
98 44.4 38.4 57.6

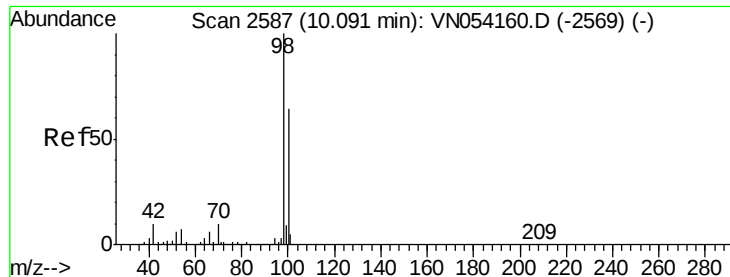


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#50

Toluene-d8

Concen: 52.165 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

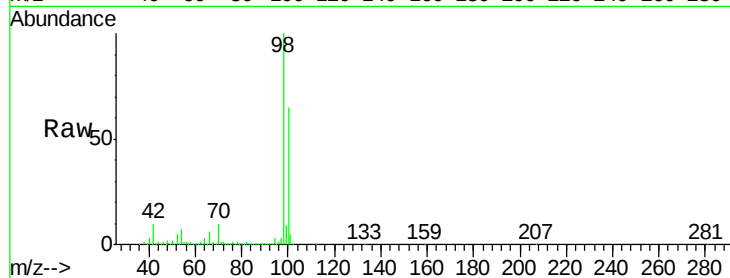
ClientSampleId :

Tot Ion: 98 Resp: 2864913

Ion Ratio Lower Upper

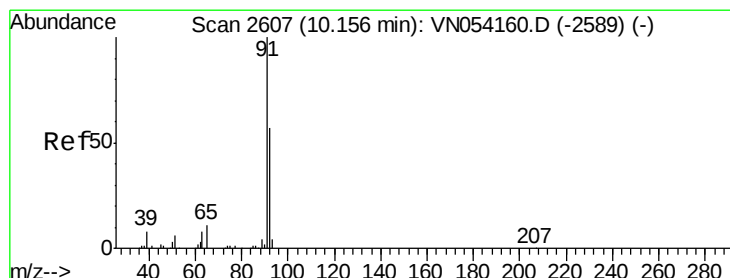
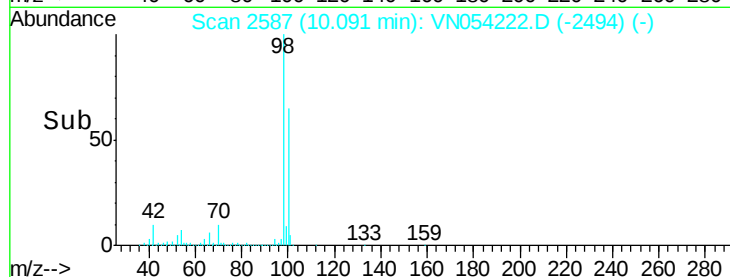
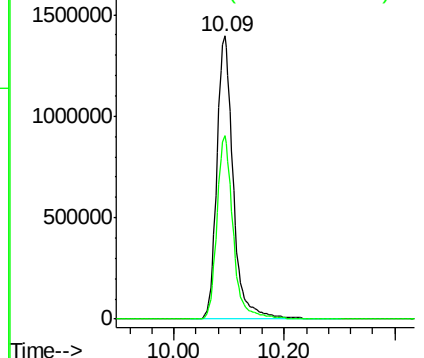
98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 2.647 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054222.D

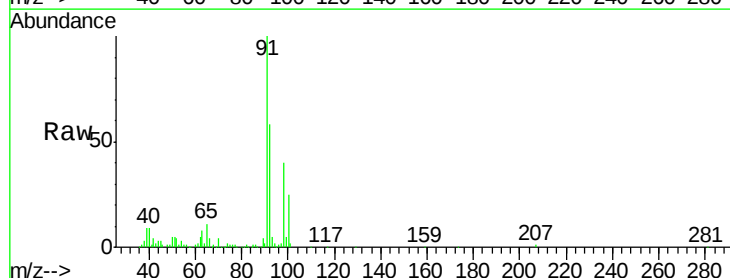
Acq: 13 Mar 2019 19:37

Tgt Ion: 92 Resp: 101991

Ion Ratio Lower Upper

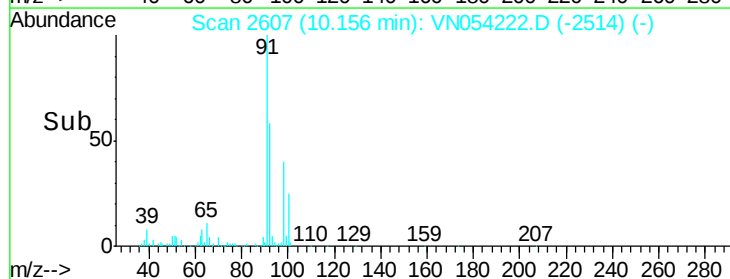
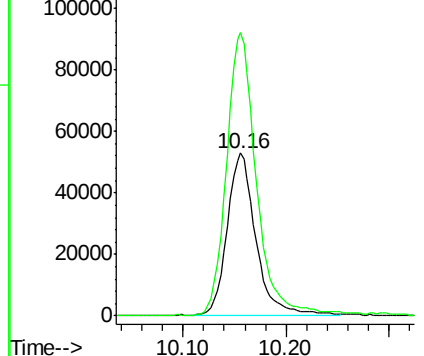
92 100

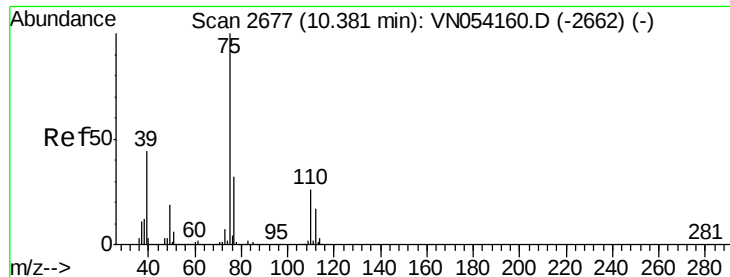
91 179.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.989 ug/l

RT: 10.28 min Scan# 2646

Delta R.T. -0.10 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

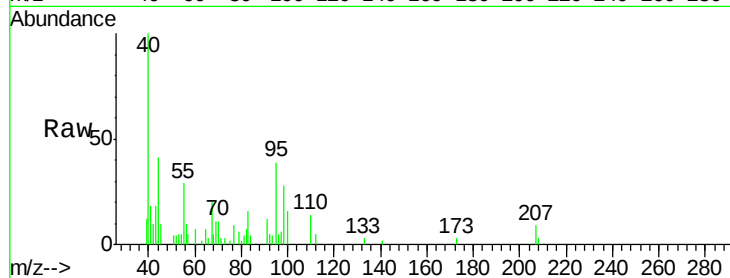
ClientSampled :

Tot Ion: 75 Resp: 63

Ion Ratio Lower Upper

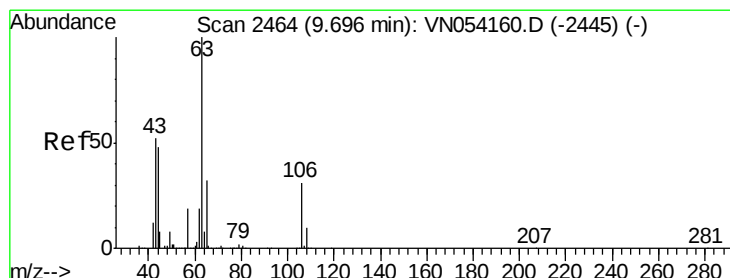
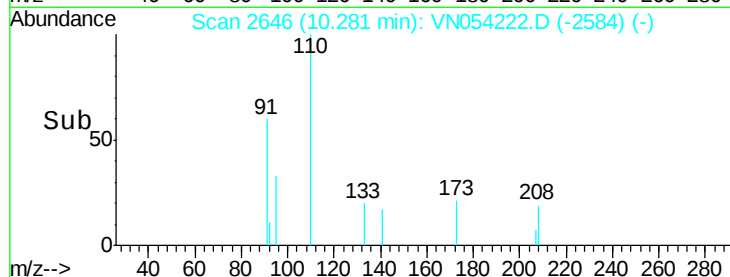
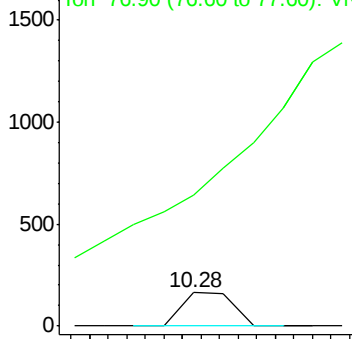
75 100

77 87.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 16.832 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.01 min

Lab File: VN054222.D

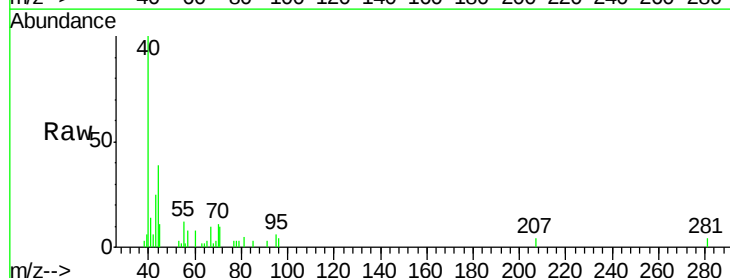
Acq: 13 Mar 2019 19:37

Tgt Ion: 63 Resp: 31

Ion Ratio Lower Upper

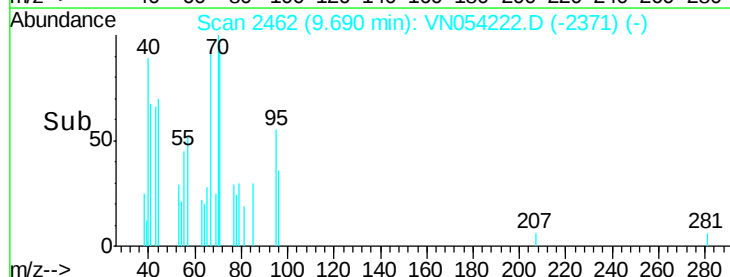
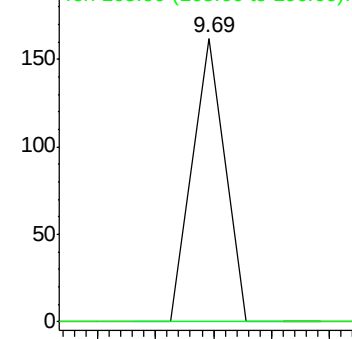
63 100

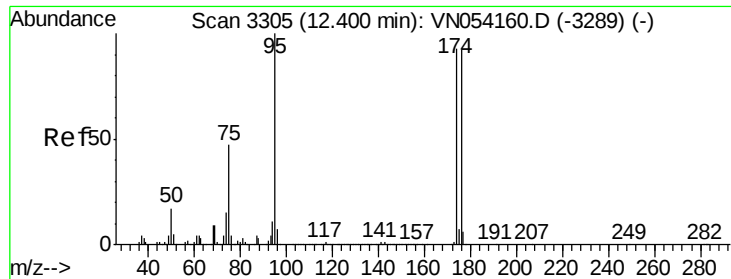
106 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

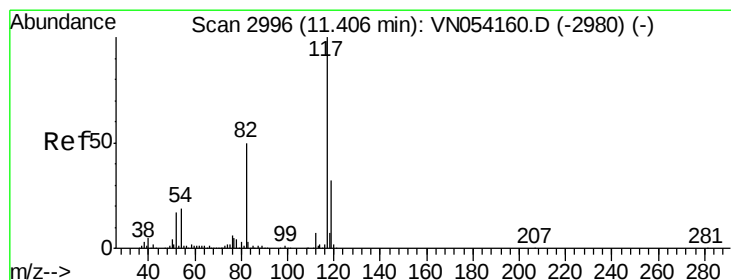
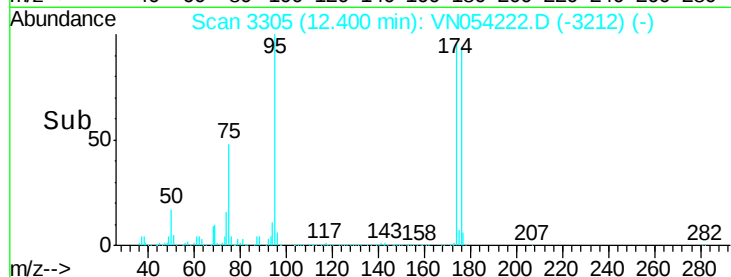
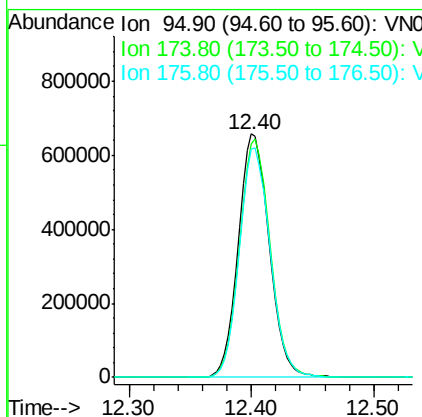
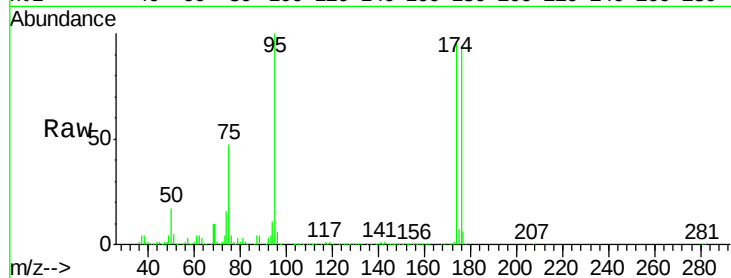




#62
4-Bromofluorobenzene
Concen: 59.601 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

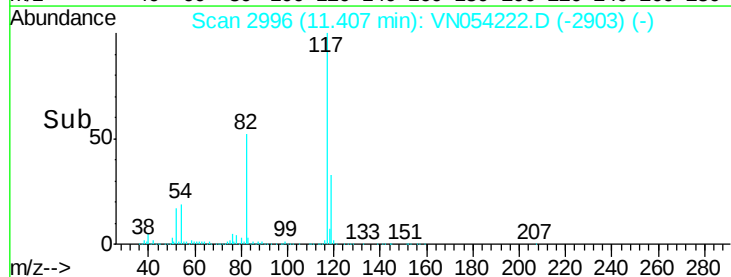
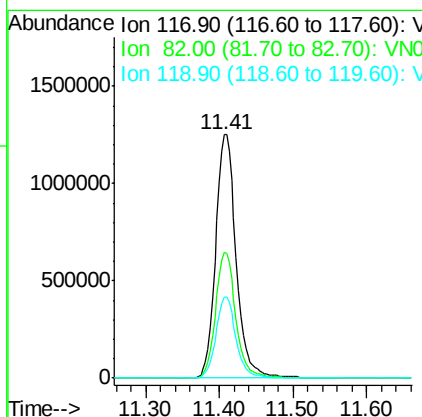
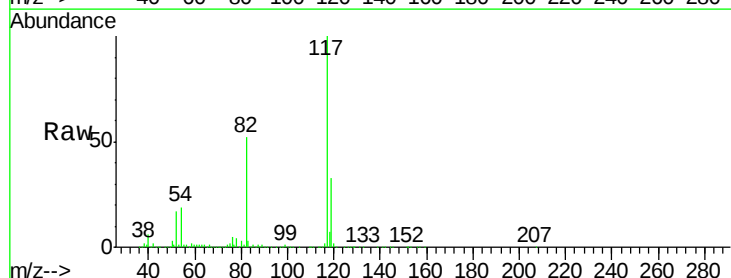
Instrument :
MSVOA_N
ClientSampled :

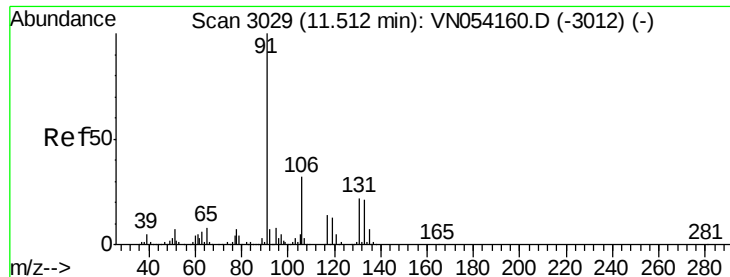
Tot Ion: 95 Resp: 1145333
Ion Ratio Lower Upper
95 100
174 97.4 0.0 191.0
176 94.4 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

Tgt Ion: 117 Resp: 2403956
Ion Ratio Lower Upper
117 100
82 51.7 40.0 60.0
119 33.2 25.8 38.6





#67

Ethyl Benzene

Concen: 34.551 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

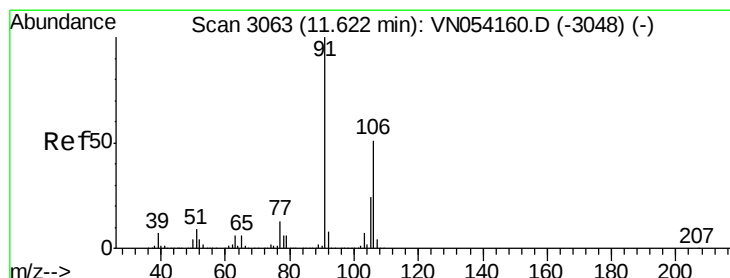
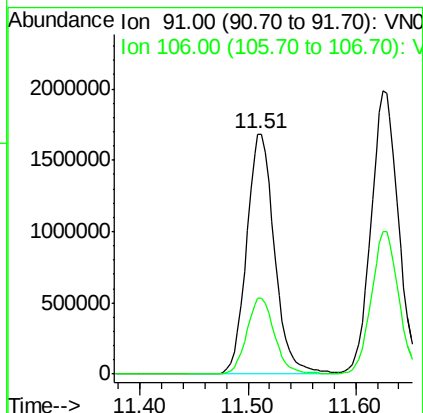
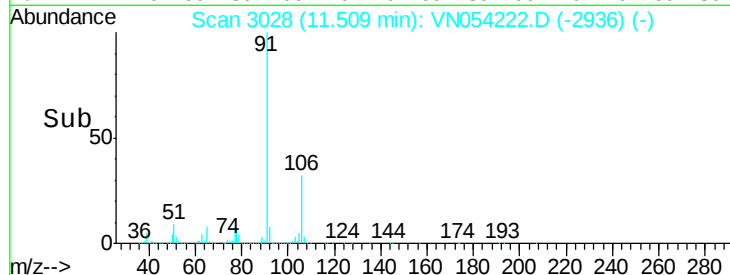
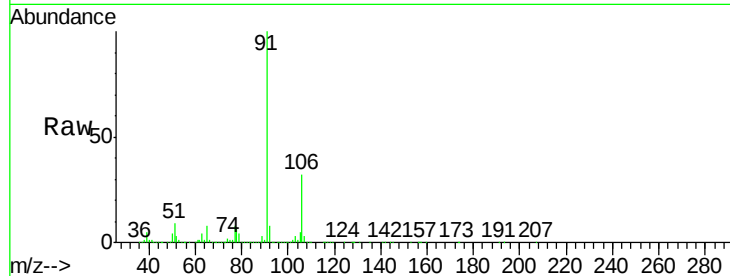
ClientSampled :

Tot Ion: 91 Resp: 3023186

Ion Ratio Lower Upper

91 100

106 31.7 25.5 38.3



#68

m/p-Xylenes

Concen: 52.292 ug/l

RT: 11.63 min Scan# 3065

Delta R.T. 0.01 min

Lab File: VN054222.D

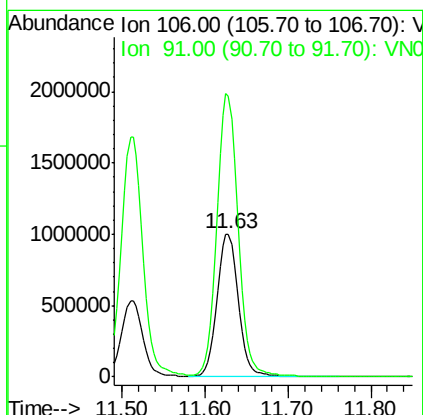
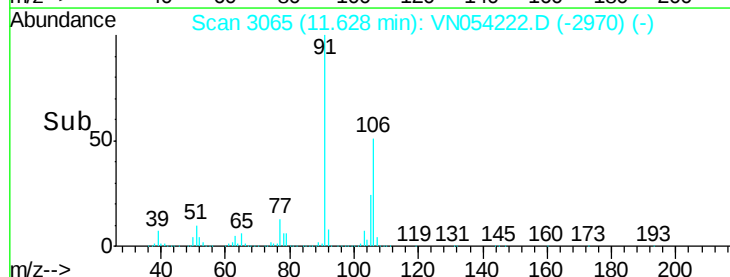
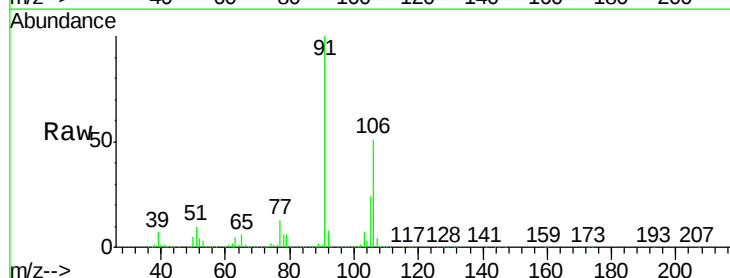
Acq: 13 Mar 2019 19:37

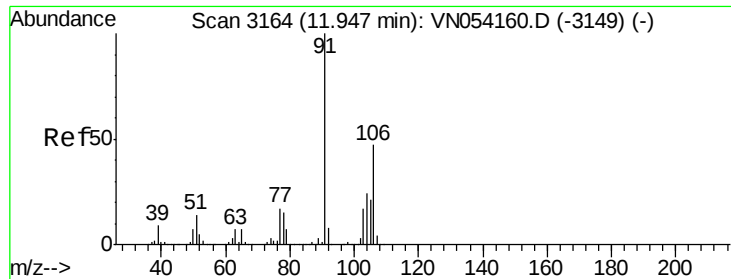
Tgt Ion: 106 Resp: 1788317

Ion Ratio Lower Upper

106 100

91 197.3 159.4 239.2

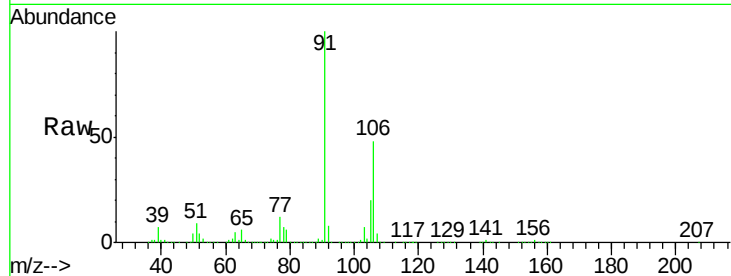




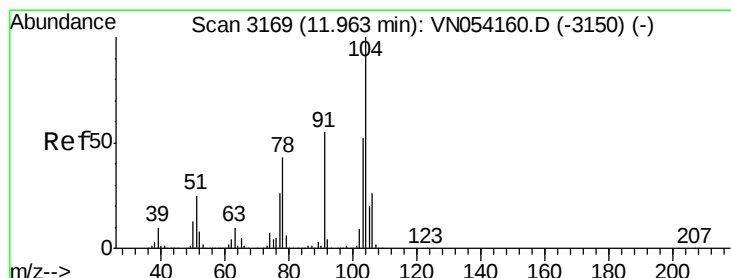
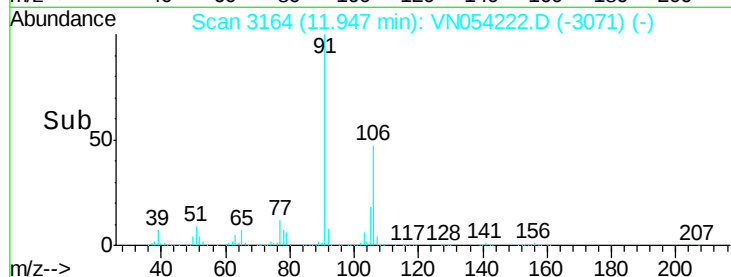
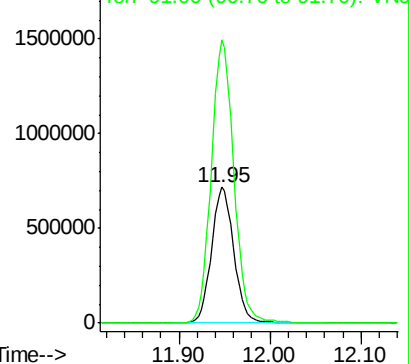
#69
o-Xylene
Concen: 36.780 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 1226158
Ion Ratio Lower Upper
106 100
91 210.5 105.7 317.1

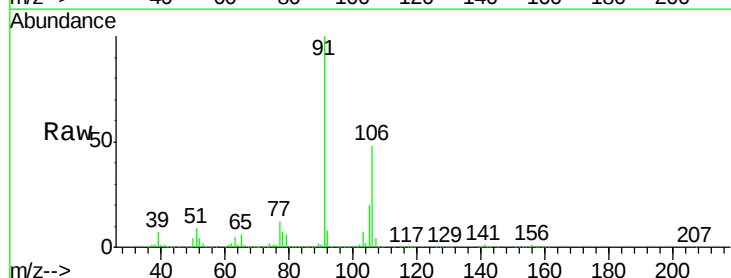


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

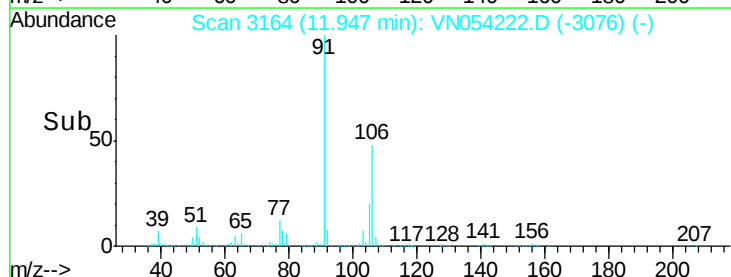
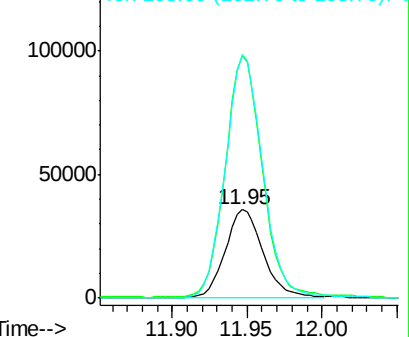


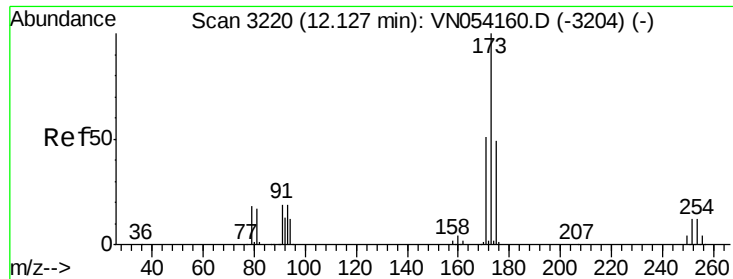
#70
Styrene
Concen: 1.195 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

Tgt Ion:104 Resp: 62490
Ion Ratio Lower Upper
104 100
78 269.0 38.2 57.2#
103 276.4 44.4 66.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 2.410 ug/l

RT: 12.14 min Scan# 3223

Delta R.T. 0.01 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

ClientSampled :

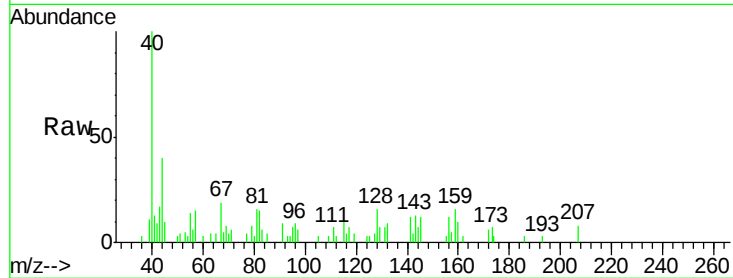
Tot Ion:173 Resp: 905

Ion Ratio Lower Upper

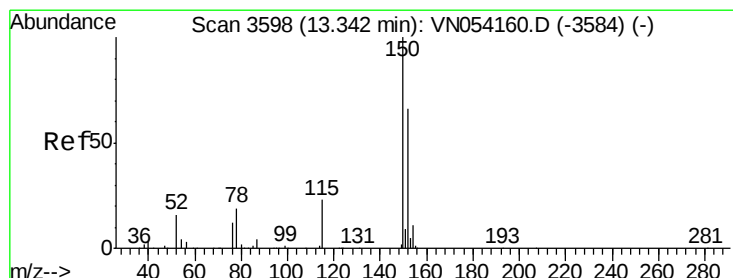
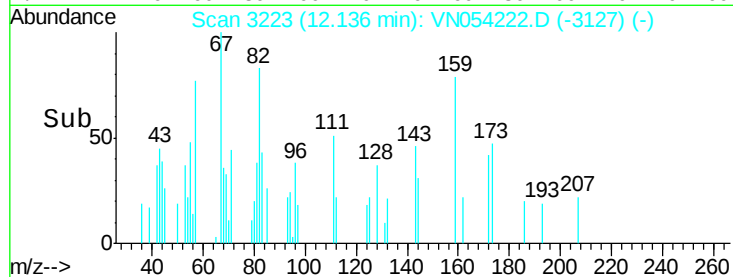
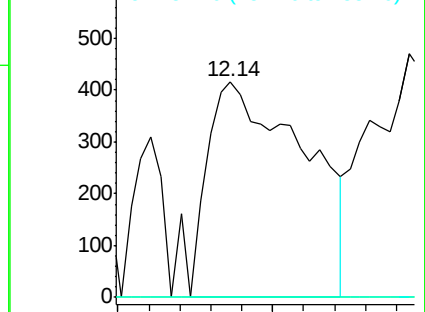
173 100

175 0.0 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: VN054222.D

Acq: 13 Mar 2019 19:37

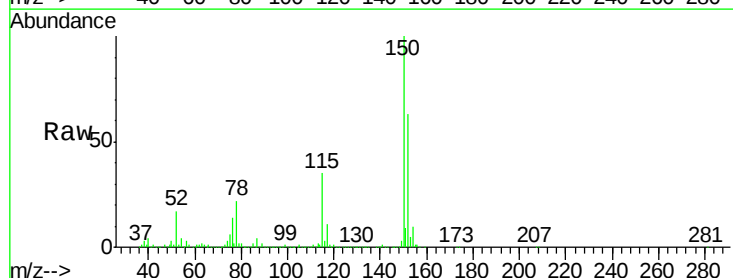
Tgt Ion:152 Resp: 1202112

Ion Ratio Lower Upper

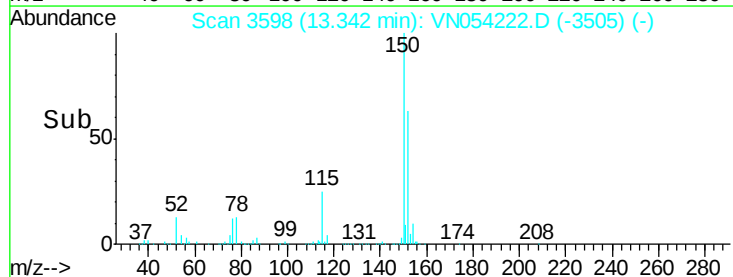
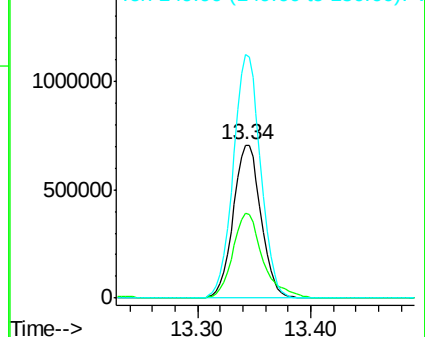
152 100

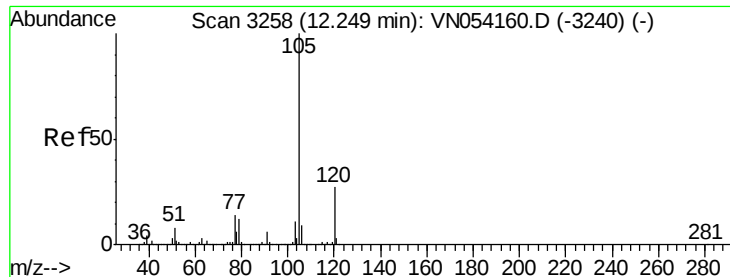
115 59.2 27.2 81.6

150 156.5 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: 3.875 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

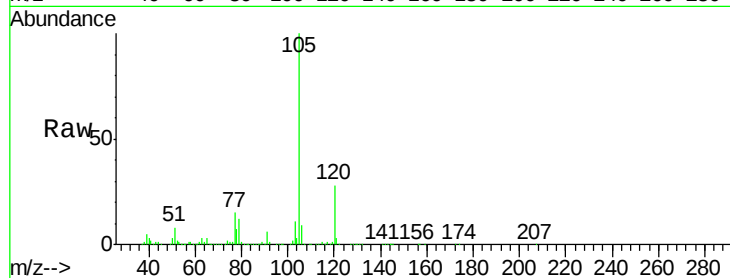
ClientSampled :

Tot Ion:105 Resp: 372719

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

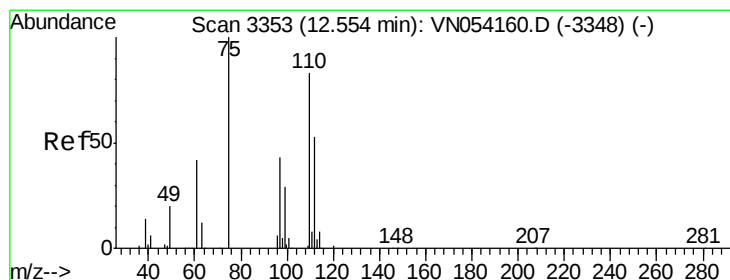
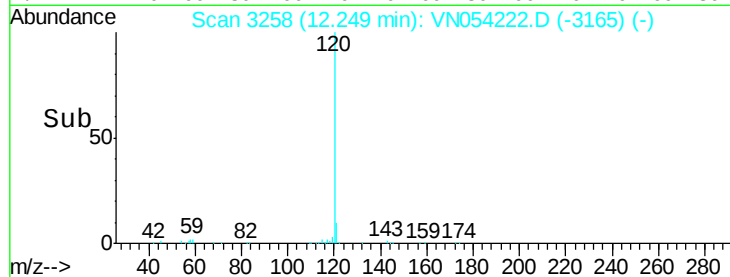
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.041 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054222.D

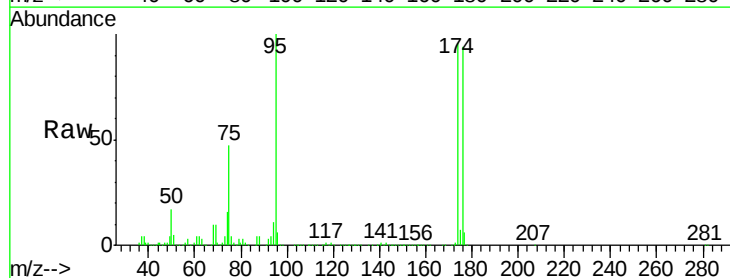
Acq: 13 Mar 2019 19:37

Tgt Ion: 75 Resp: 548723

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

12.40

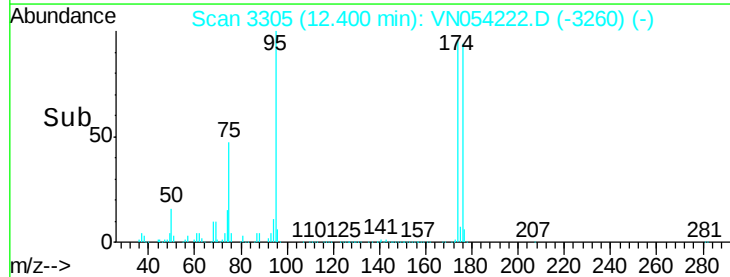
300000

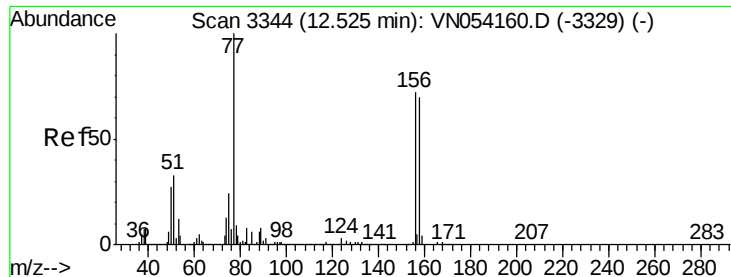
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 8.838 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.03 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

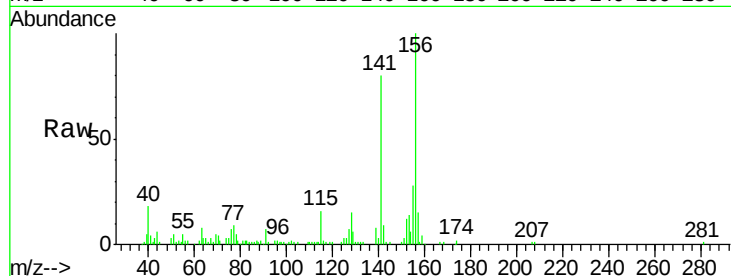
Tot Ion:156 Resp: 224930

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

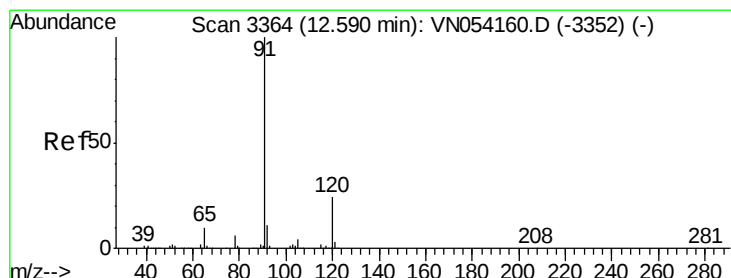
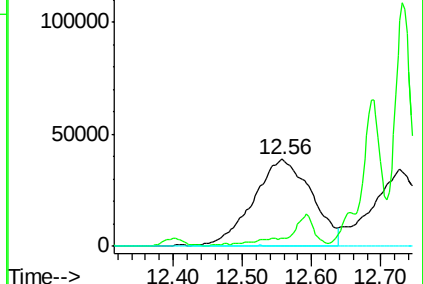
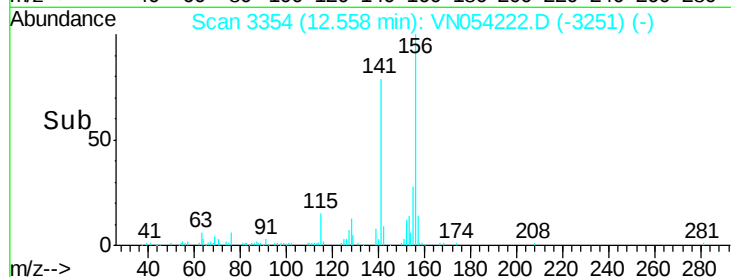
158 0.2 49.0 147.2#



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



#78

n-propylbenzene

Concen: 4.291 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054222.D

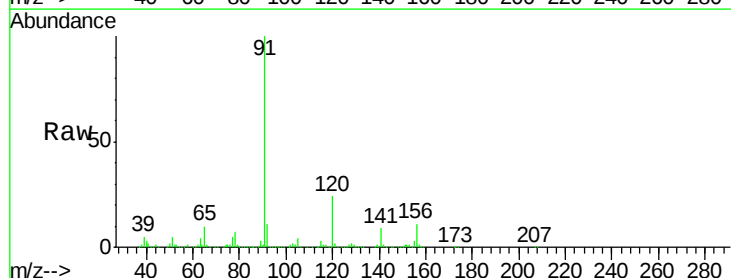
Acq: 13 Mar 2019 19:37

Tgt Ion: 91 Resp: 447789

Ion Ratio Lower Upper

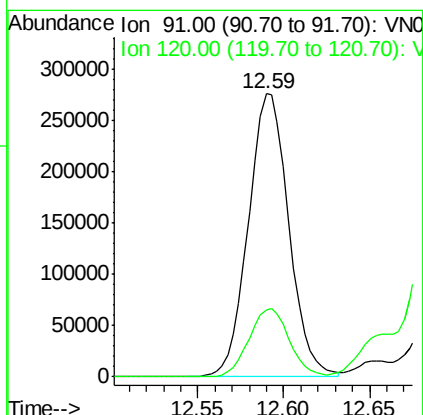
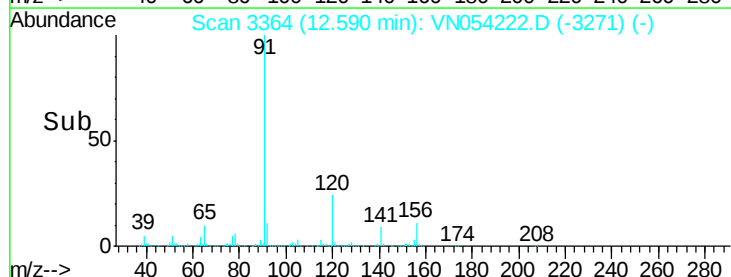
91 100

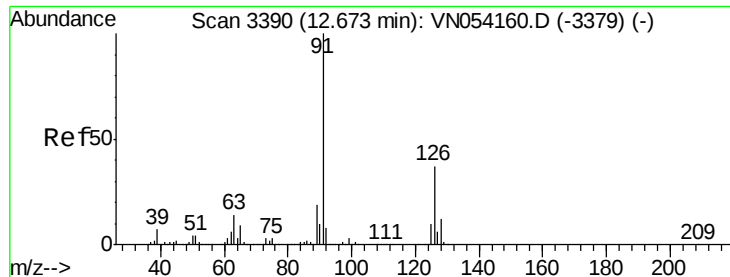
120 24.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

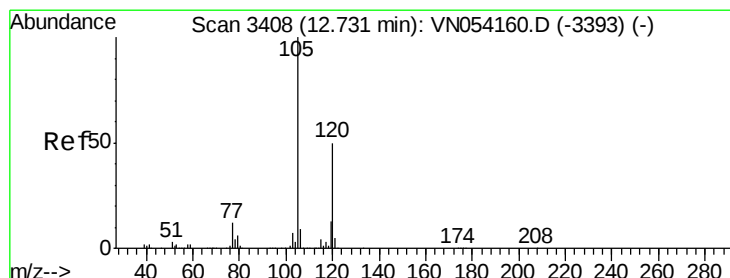
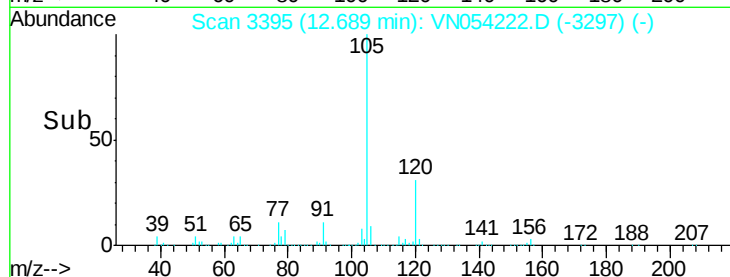
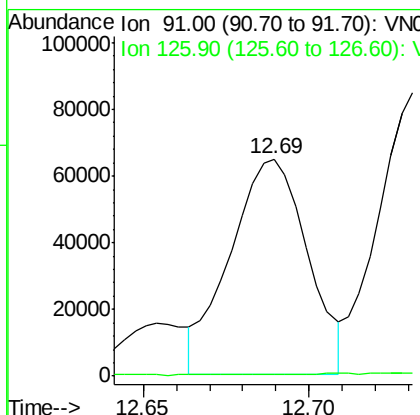
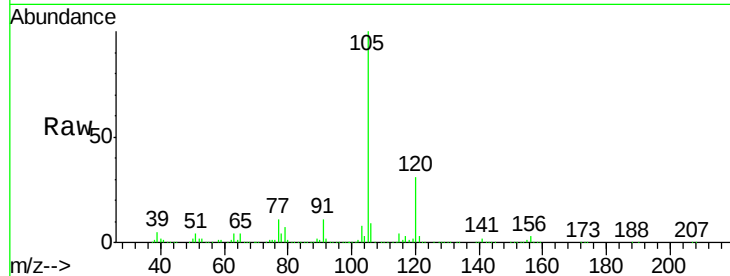




#79
 2-Chlorotoluene
 Concen: 1.668 ug/l
 RT: 12.69 min Scan# 3395
 Delta R.T. 0.02 min
 Lab File: VN054222.D
 Acq: 13 Mar 2019 19:37

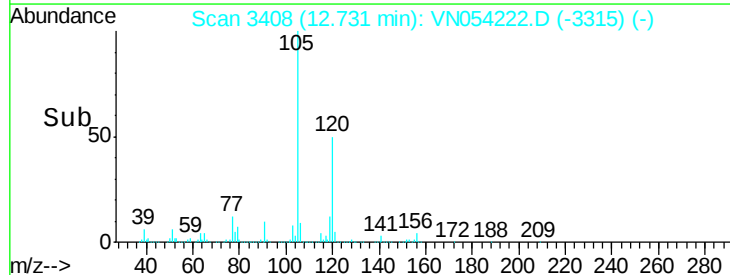
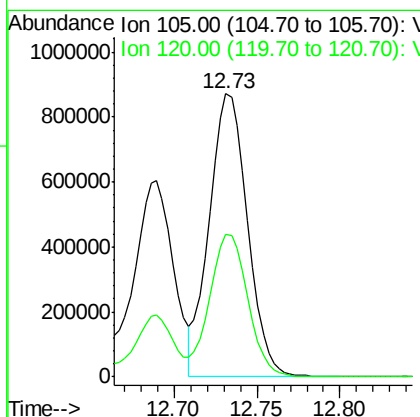
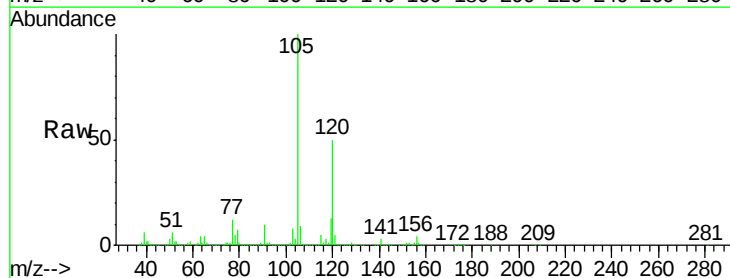
Instrument :
 MSVOA_N
 ClientSampleId :

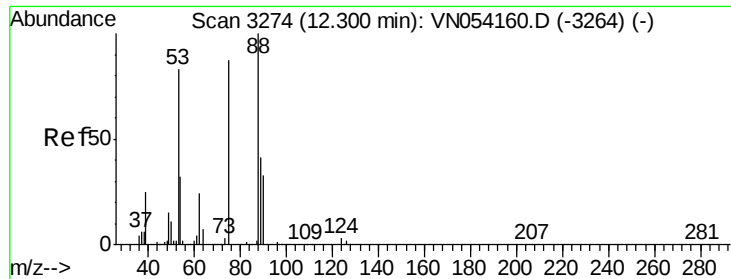
Tot Ion: 91 Resp: 104641
 Ion Ratio Lower Upper
 91 100
 126 0.4 18.7 56.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 17.458 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054222.D
 Acq: 13 Mar 2019 19:37

Tgt Ion: 105 Resp: 1396598
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 106.111 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

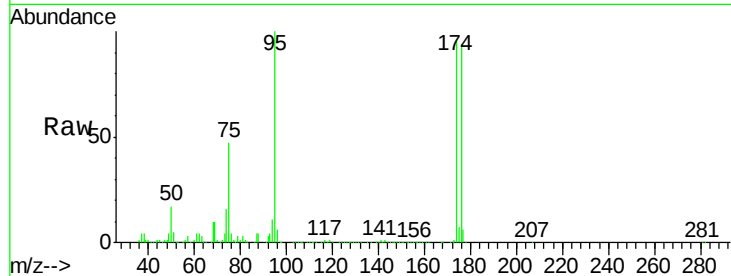
Tot Ion: 75 Resp: 548723

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

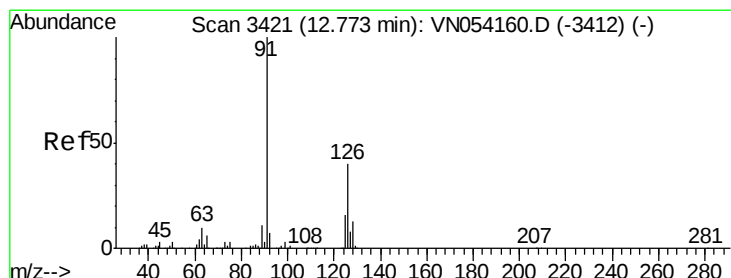
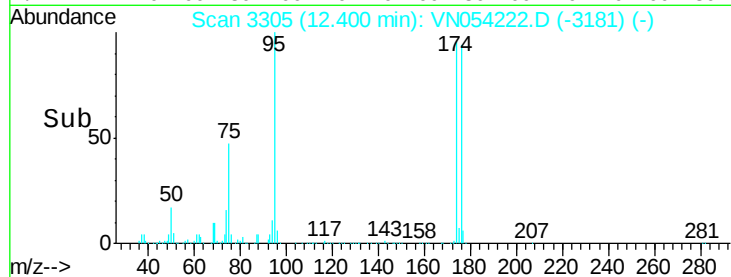
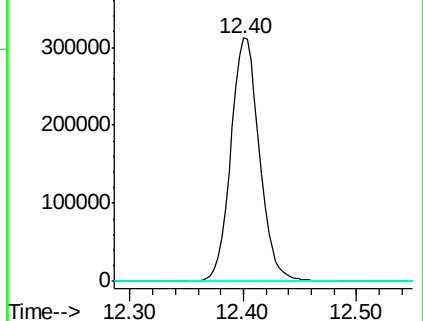
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN054222.D

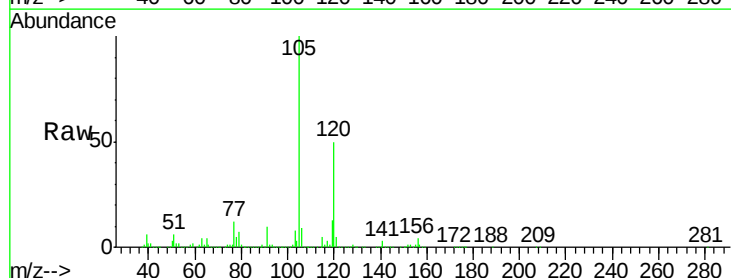
Acq: 13 Mar 2019 19:37

Tgt Ion: 91 Resp: 137328

Ion Ratio Lower Upper

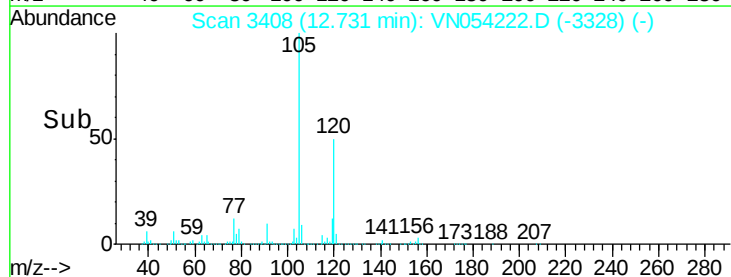
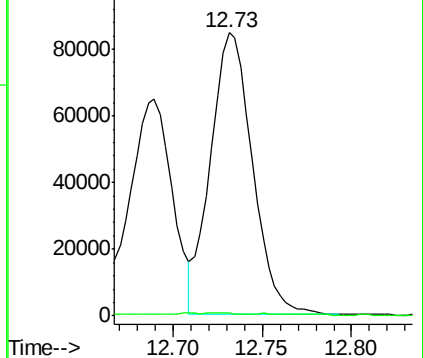
91 100

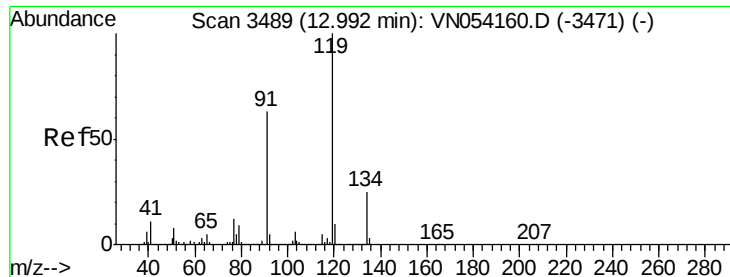
126 0.2 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 6.979 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :

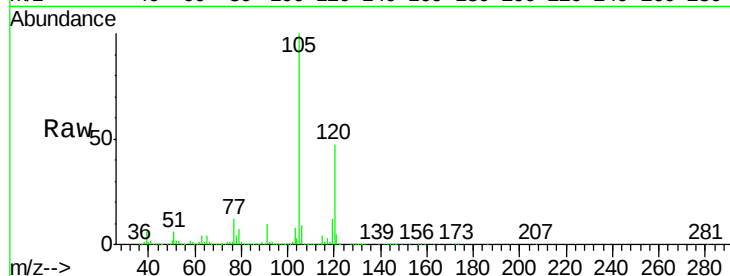
Tot Ion:119 Resp: 513906

Ion Ratio Lower Upper

119 100

91 78.8 30.9 92.8

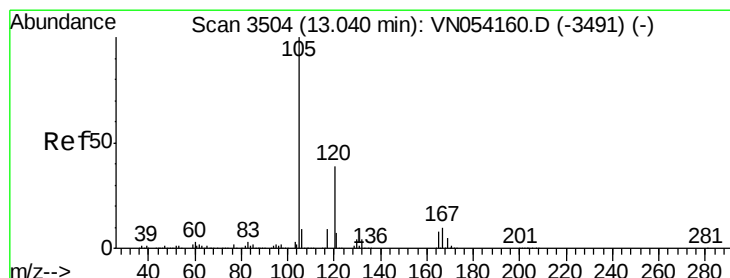
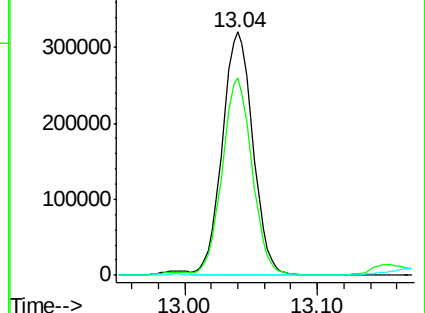
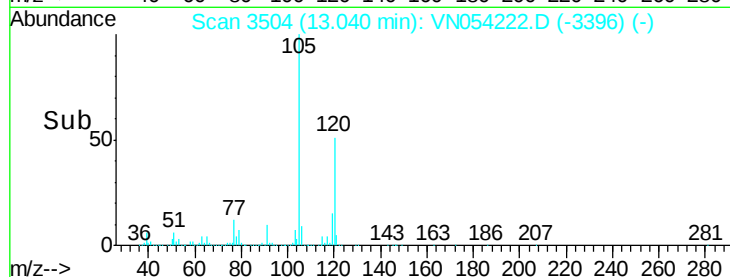
134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.788 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054222.D

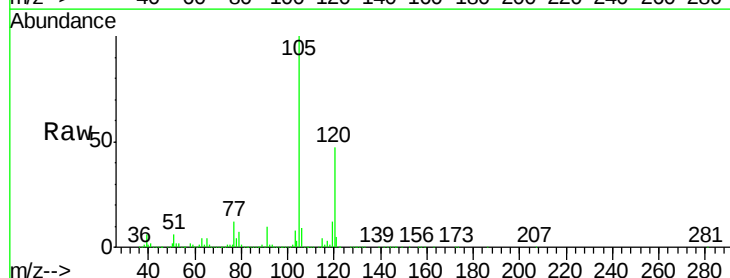
Acq: 13 Mar 2019 19:37

Tgt Ion:105 Resp: 4064483

Ion Ratio Lower Upper

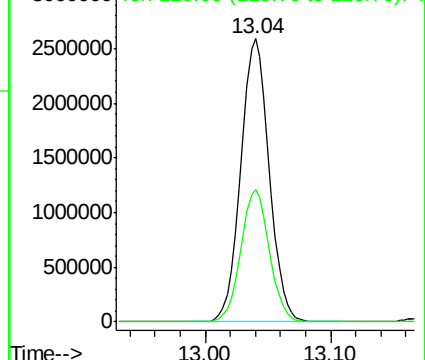
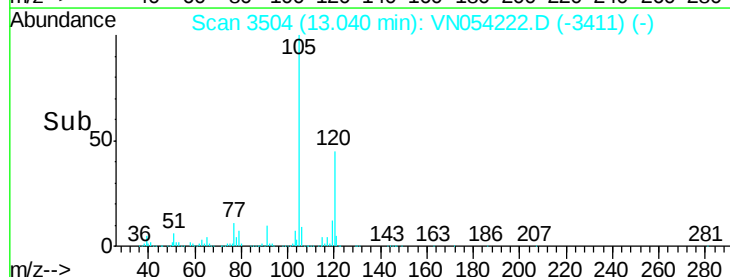
105 100

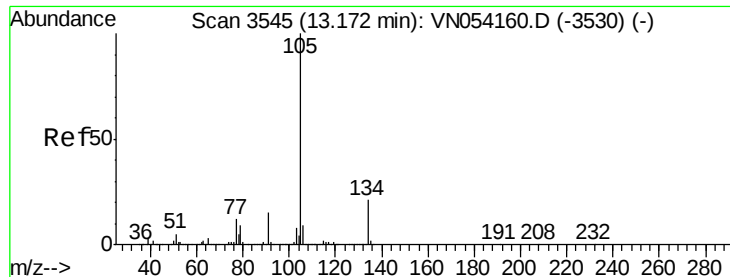
120 46.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 42.563 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

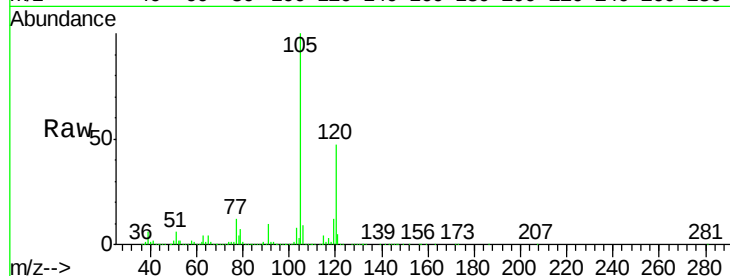
ClientSampleId :

Tot Ion:105 Resp: 4064483

Ion Ratio Lower Upper

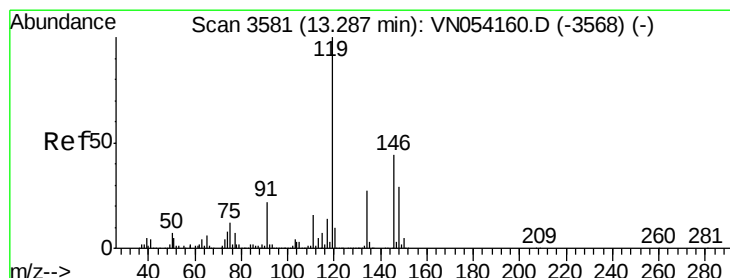
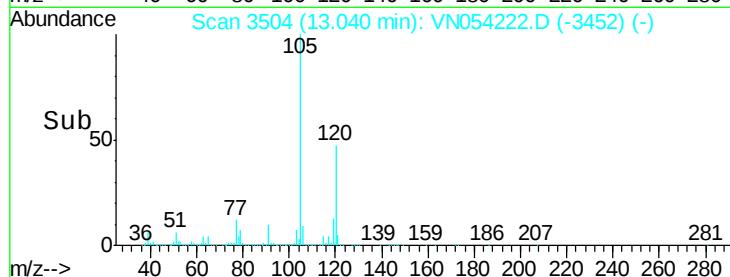
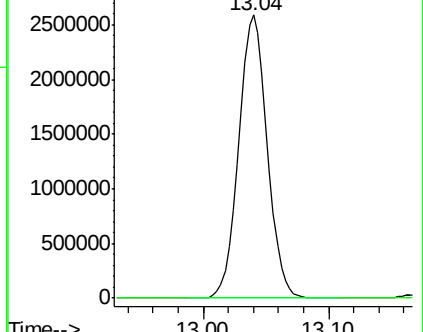
105 100

134 0.0 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: 1.391 ug/l

RT: 13.23 min Scan# 3564

Delta R.T. -0.05 min

Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

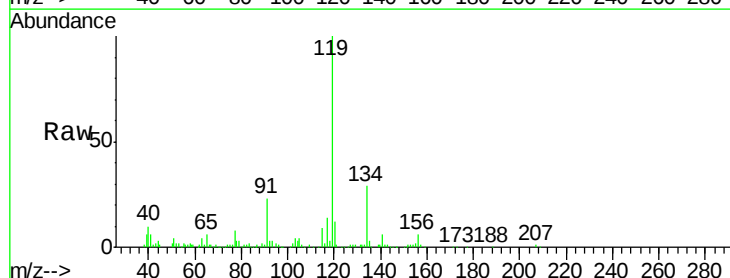
Tgt Ion:119 Resp: 116511

Ion Ratio Lower Upper

119 100

134 29.3 13.6 40.8

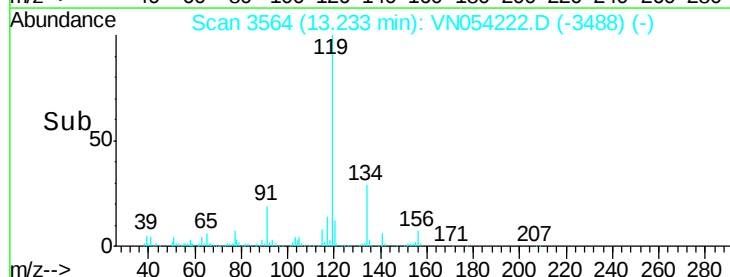
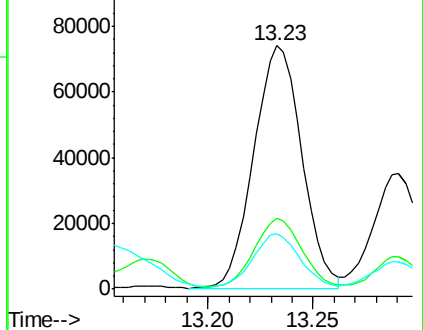
91 20.9 11.1 33.3

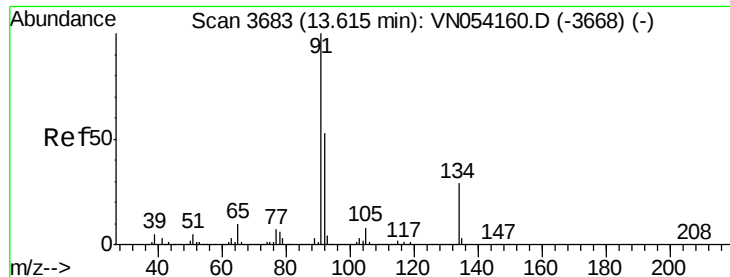


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

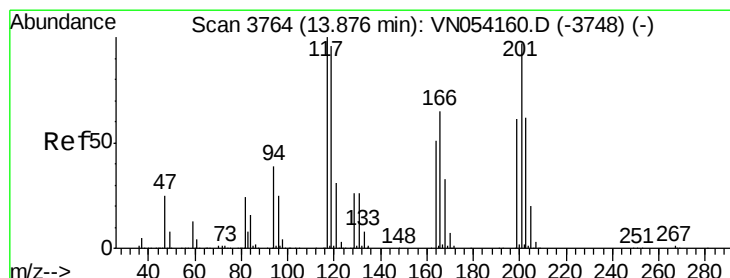
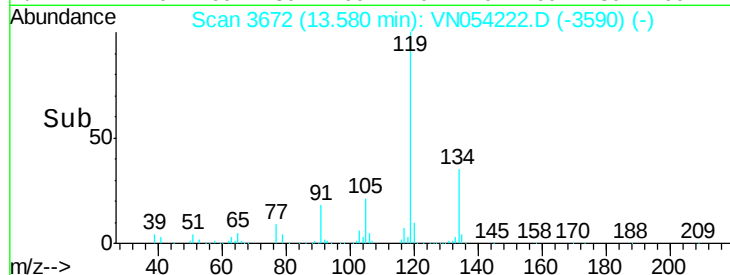
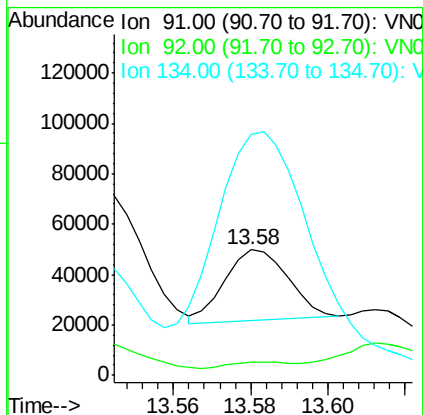
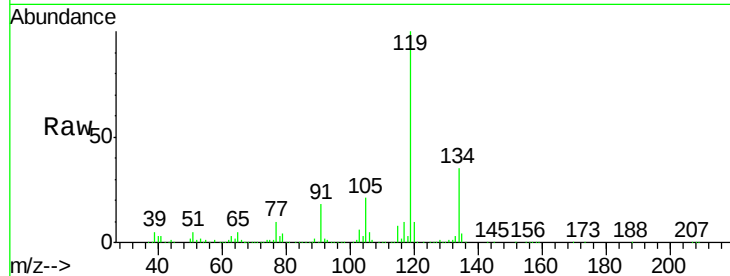




#89
n-Butylbenzene
Concen: 0.503 ug/l
RT: 13.58 min Scan# 3672
Delta R.T. -0.04 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

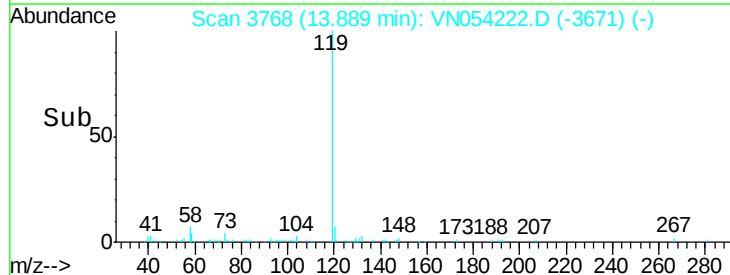
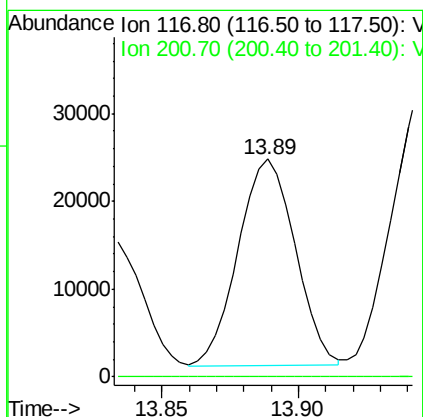
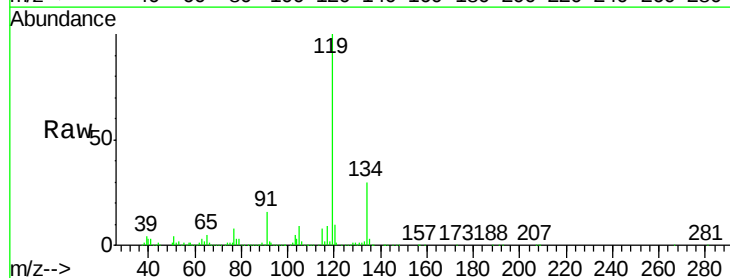
Instrument :
MSVOA_N
ClientSampleId :

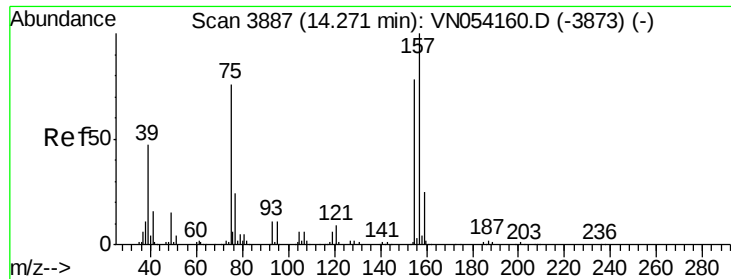
Tot Ion: 91 Resp: 32049
Ion Ratio Lower Upper
91 100
92 17.5 26.2 78.6#
134 559.5 14.3 42.9#



#90
Hexachloroethane
Concen: 2.464 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN054222.D
Acq: 13 Mar 2019 19:37

Tgt Ion: 117 Resp: 34175
Ion Ratio Lower Upper
117 100
201 0.0 48.1 144.4#

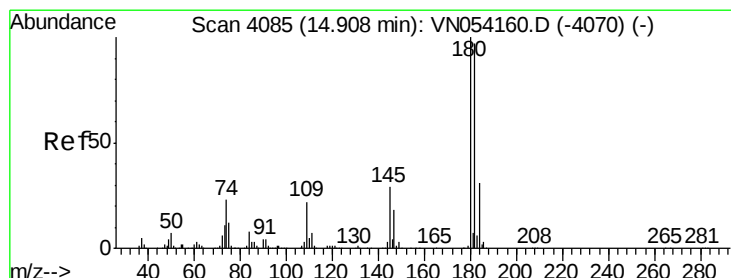
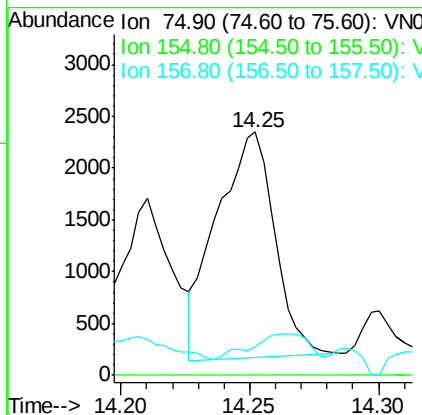
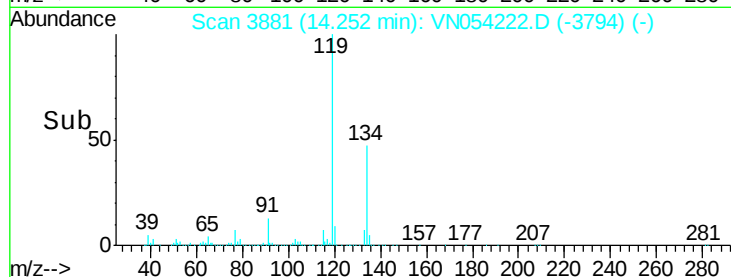
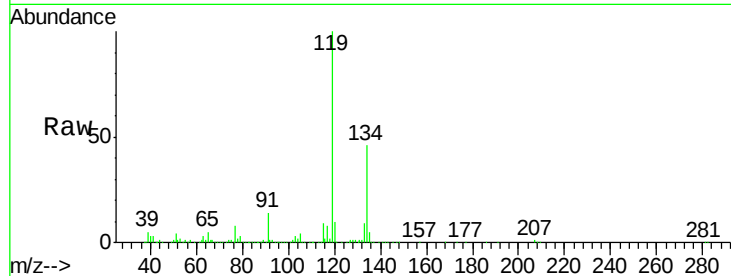




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.077 ug/l
 RT: 14.25 min Scan# 3881
 Delta R.T. -0.02 min
 Lab File: VN054222.D
 Acq: 13 Mar 2019 19:37

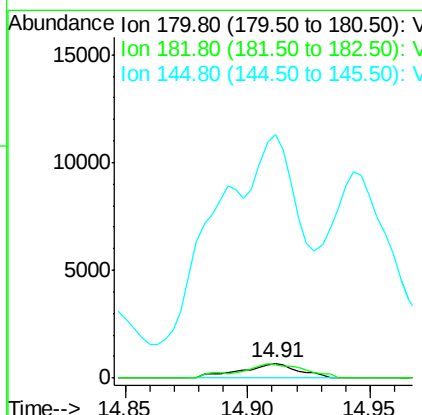
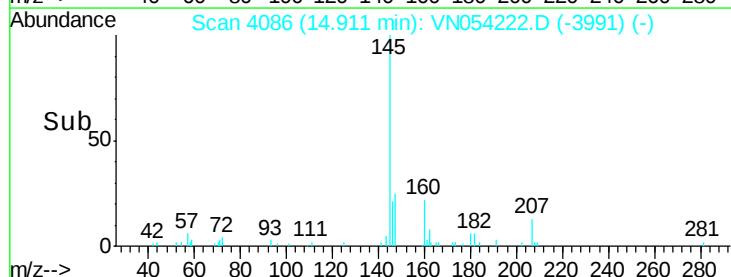
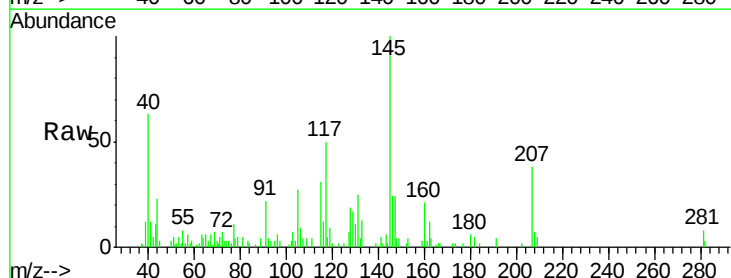
Instrument :
 MSVOA_N
 ClientSampleId :

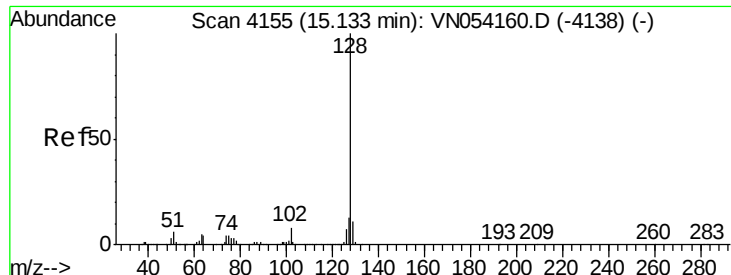
Tot Ion: 75 Resp: 3415
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.1 150.3#
 157 16.3 63.1 189.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.557 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054222.D
 Acq: 13 Mar 2019 19:37

Tgt Ion: 180 Resp: 1090
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.0 144.2
 145 1223.9 14.2 42.8#





#95

Naphthalene

Concen: 20.477 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

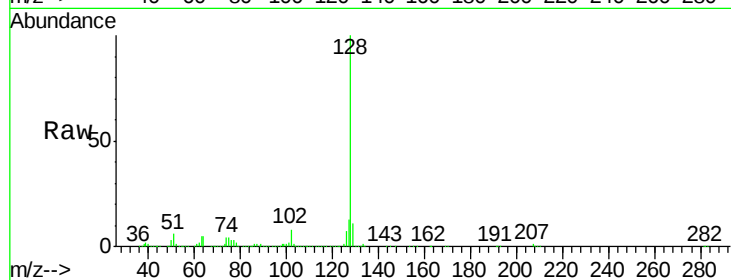
Lab File: VN054222.D

Acq: 13 Mar 2019 19:37

Instrument :

MSVOA_N

ClientSampleId :



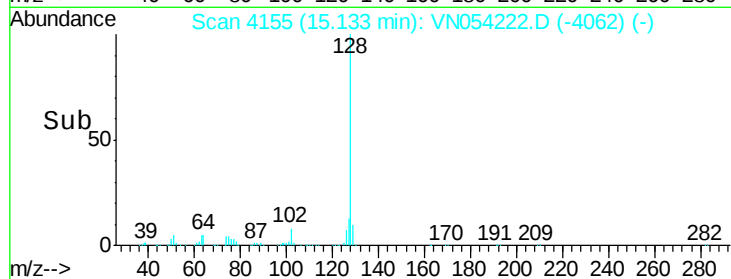
Tot Ion:128 Resp: 963563

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.7 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

