

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053084.D
 Acq On : 21 Dec 2018 4:22
 Operator : MD\SY
 Sample : J6517-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 07:11:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1269584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1934079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1744345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	766520	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	606624	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	7.59	113	537950	60.89	ug/l	0.00
Spiked Amount			Recovery	=	121.78%	
50) Toluene-d8	10.09	98	2341739	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	814041	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	703	0.894	ug/l #	74
13) Acrolein	3.57	56	1488	2.088	ug/l #	1
16) Acetone	3.82	43	20728	8.205	ug/l	98
18) Methyl Acetate	4.32	43	1339	1.106	ug/l #	73
19) Methyl tert-butyl Ether	5.04	73	56454	1.743	ug/l #	58
20) Methylene Chloride	4.56	84	3680	0.267	ug/l	90
31) Cyclohexane	7.66	56	66415	1.969	ug/l #	62
36) 1,1-Dichloropropene	7.67	75	82212	4.429	ug/l #	49
38) Carbon Tetrachloride	7.67	117	108266	6.363	ug/l #	16
39) Methylcyclohexane	9.08	83	25967	1.151	ug/l	97
43) Isopropyl Acetate	8.32	43	125707	5.335	ug/l #	54
48) Methyl methacrylate	9.27	41	2510	0.250	ug/l #	41
52) Toluene	10.16	92	14538	0.425	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	4789	0.401	ug/l #	20
59) 2-Hexanone	10.61	43	2947	0.434	ug/l	62
68) m/p-Xylenes	11.62	106	24445	0.967	ug/l	96
69) o-Xylene	11.95	106	5967	0.246	ug/l	99
71) Bromoform	12.40	173	4773	0.491	ug/l #	1
73) Isopropylbenzene	12.25	105	231708	3.864	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	377608	29.264	ug/l #	100
77) Bromobenzene	12.56	156	240271	15.412	ug/l #	1
78) n-propylbenzene	12.59	91	78688	1.152	ug/l	99
79) 2-Chlorotoluene	12.59	91	78688	1.859	ug/l #	40
81) trans-1,4-Dichloro-2-buten	12.40	75	377608	94.321	ug/l #	12
83) tert-Butylbenzene	12.99	119	78310	1.811	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	11597	0.236	ug/l	94
85) sec-Butylbenzene	13.17	105	207084	3.541	ug/l #	68
86) p-Isopropyltoluene	13.45	119	143585	2.842	ug/l	97
89) n-Butylbenzene	13.62	91	31119	0.716	ug/l	95
90) Hexachloroethane	13.89	117	28812	3.716	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.21	75	5530	2.718	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	244	0.614	ug/l #	1
95) Naphthalene	15.13	128	1771	1.204	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	59	0.513	ug/l #	1

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QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

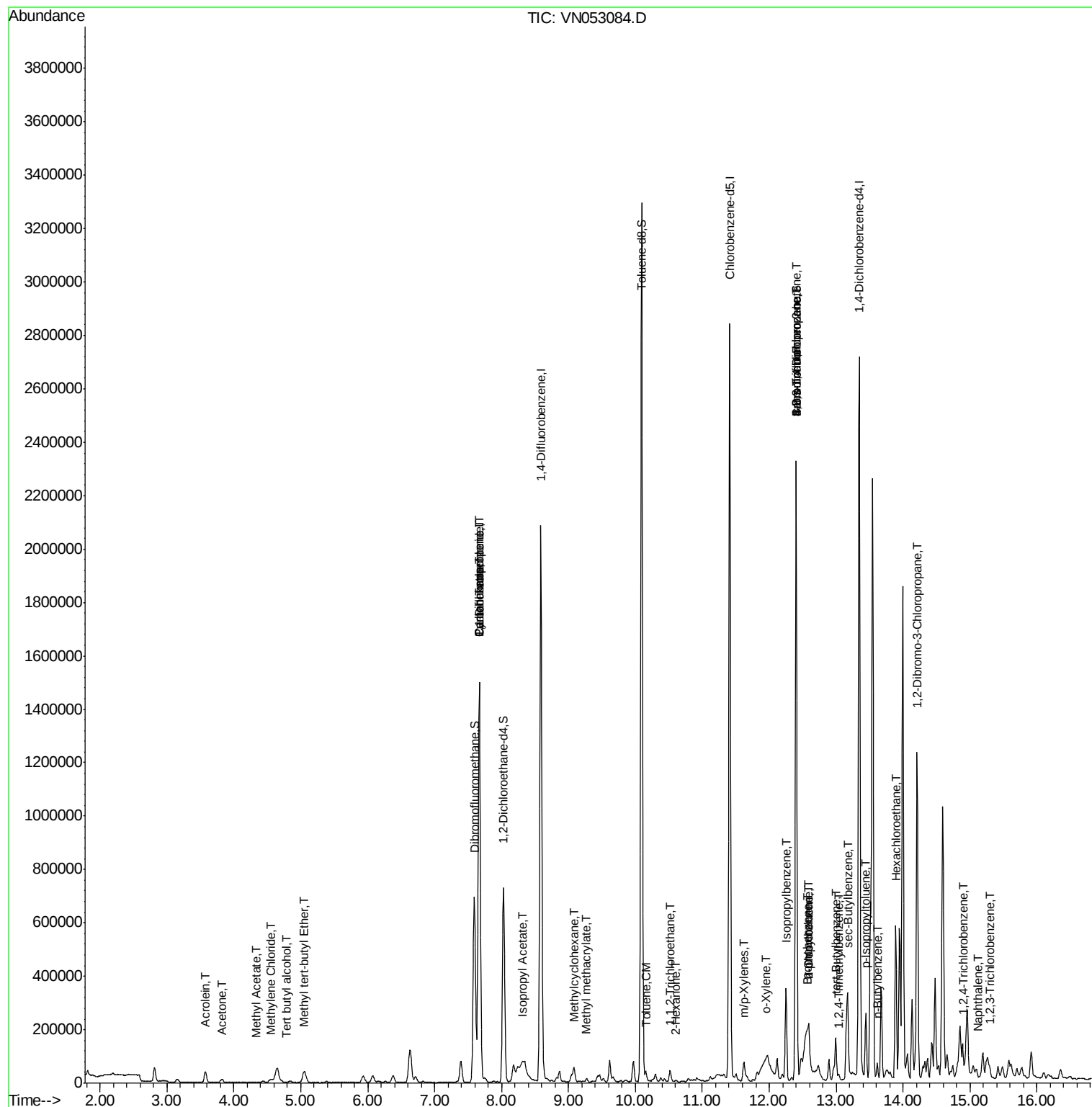
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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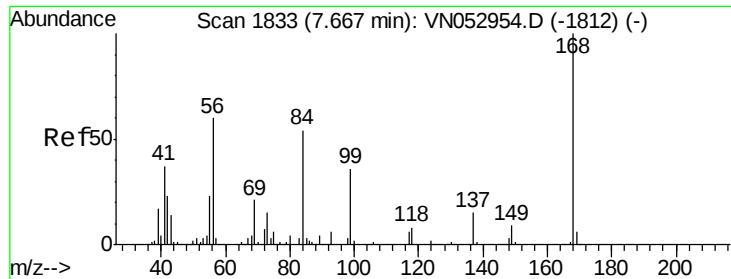
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

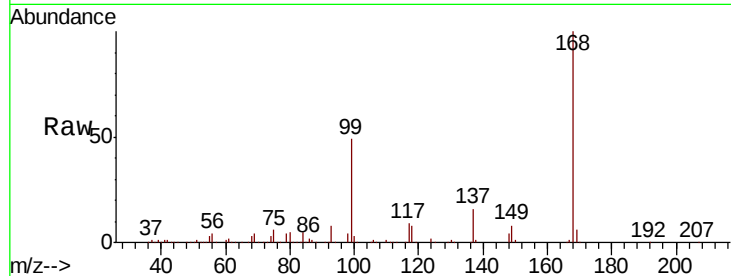
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1269584

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

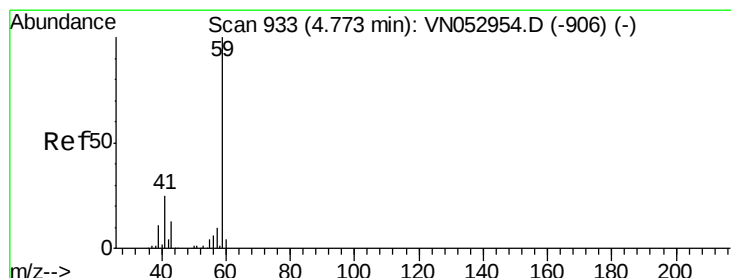
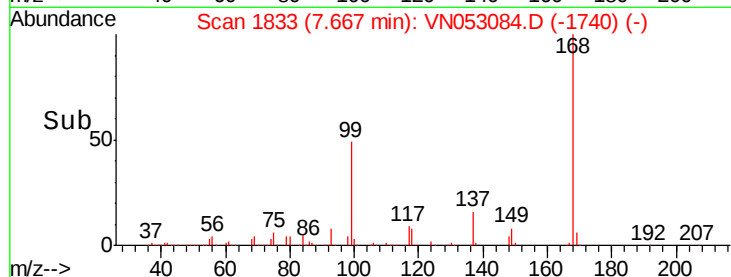
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.894 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.00 min

Lab File: VN053084.D

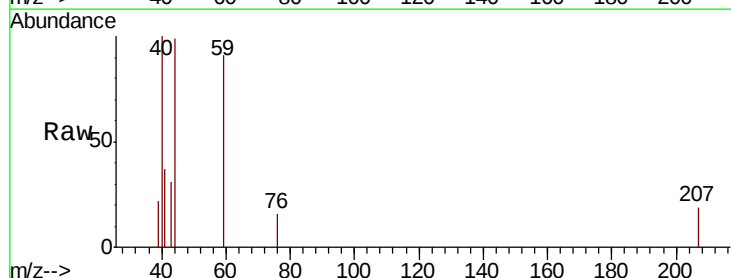
Acq: 21 Dec 2018 4:22

Tgt Ion: 59 Resp: 703

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.78

1000

800

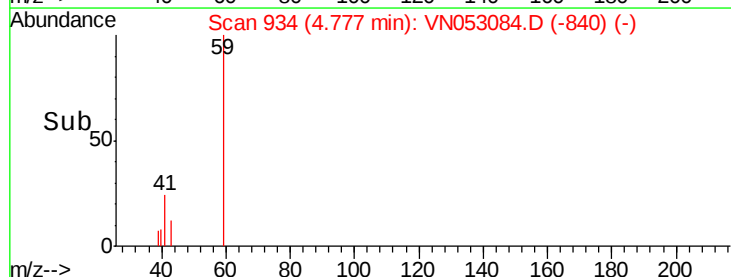
600

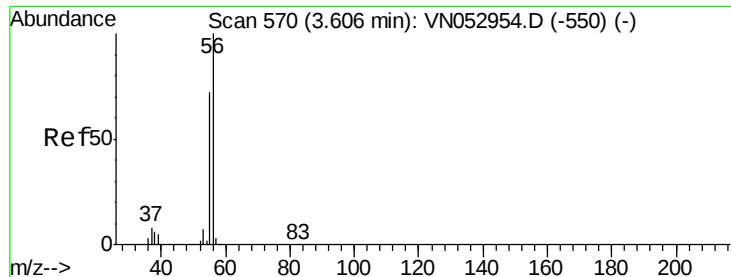
400

200

0

Time-->





#13

Acrolein

Concen: 2.088 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.04 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

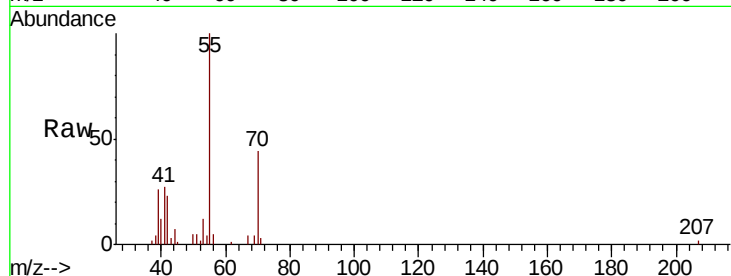
ClientSampled :

Tot Ion: 56 Resp: 1488

Ion Ratio Lower Upper

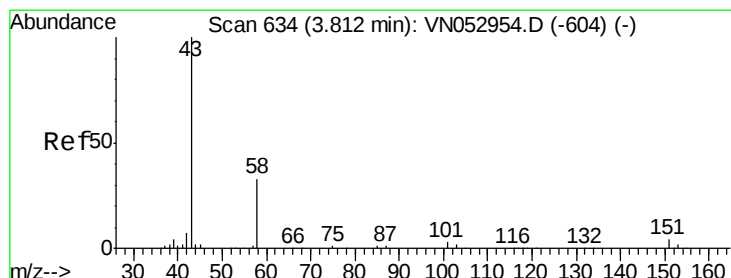
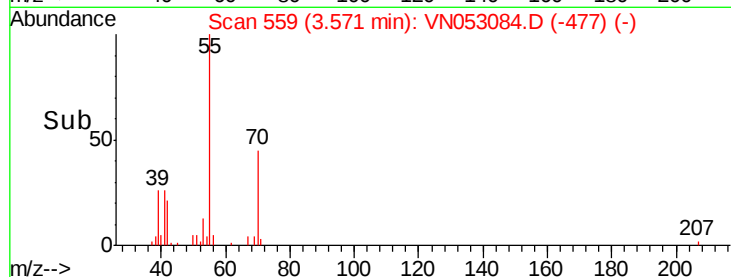
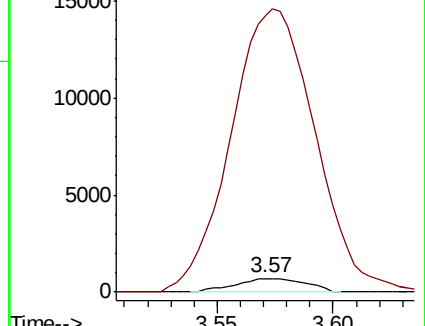
56 100

55 2484.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052954.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN052954.D (-550) (-)



#16

Acetone

Concen: 8.205 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053084.D

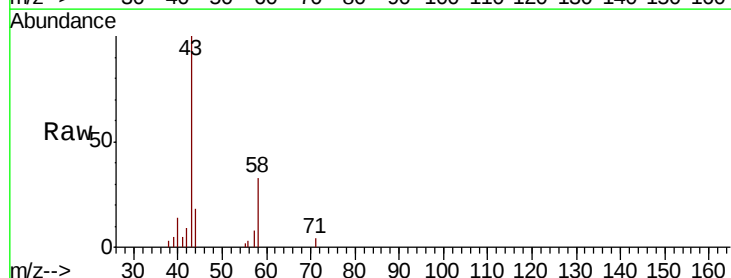
Acq: 21 Dec 2018 4:22

Tgt Ion: 43 Resp: 20728

Ion Ratio Lower Upper

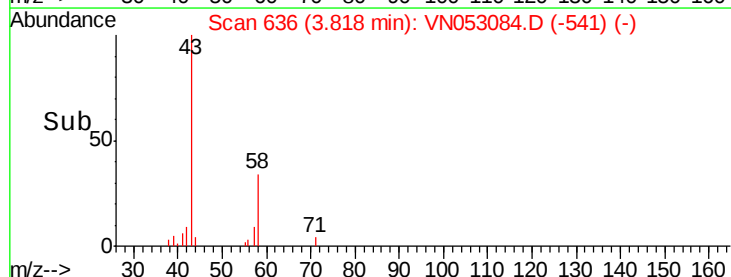
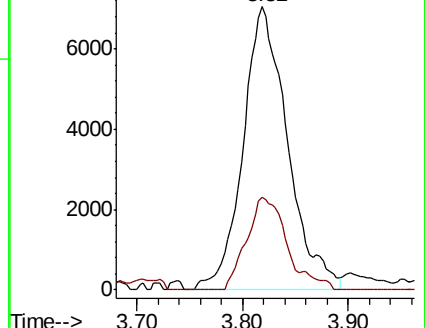
43 100

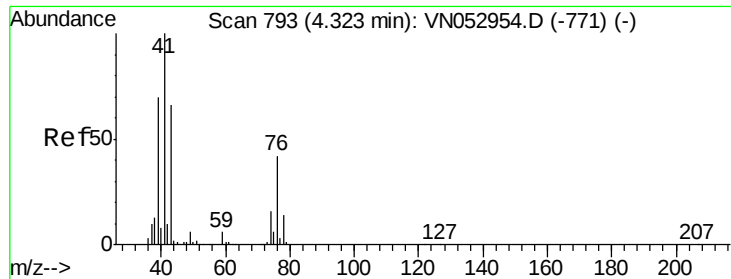
58 32.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-604) (-)

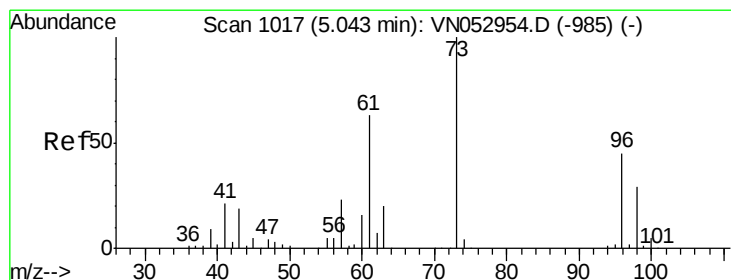
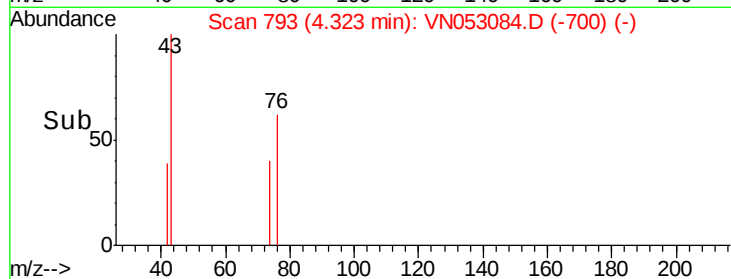
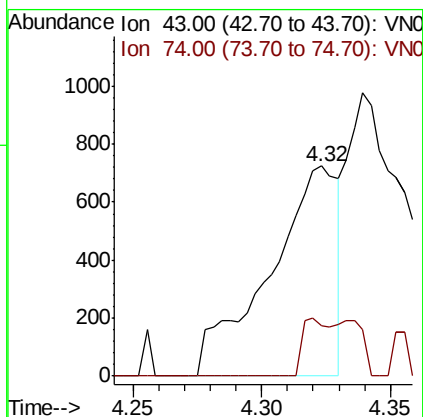
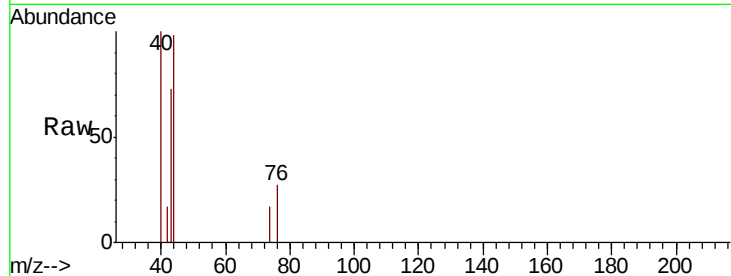




#18
Methyl Acetate
Concen: 1.106 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

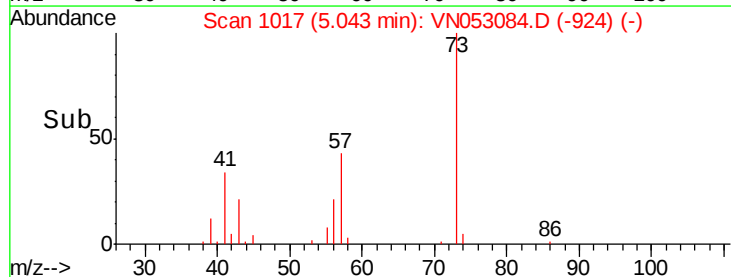
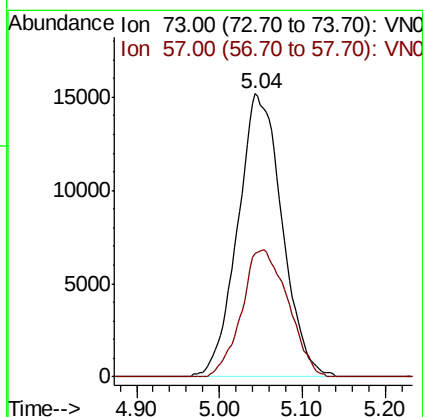
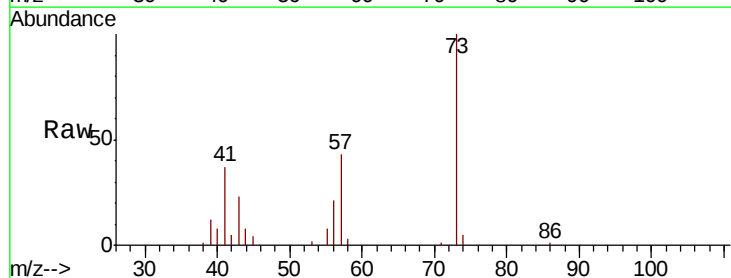
Instrument :
MSVOA_N
ClientSampled :

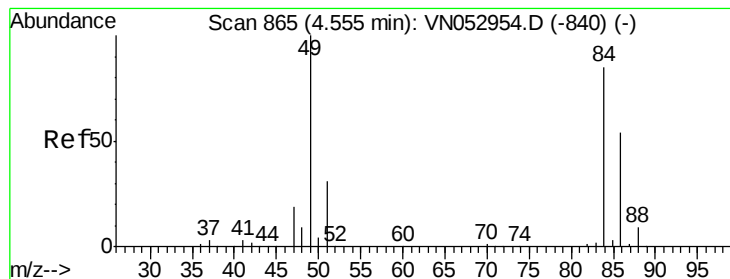
Tot Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
74 10.6 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 1.743 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion: 73 Resp: 56454
Ion Ratio Lower Upper
73 100
57 43.5 18.4 27.6#





#20

Methvlene Chloride

Concen: 0.267 ug/l

RT: 4.56 min Scan# 868

Delta R.T. 0.01 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 84 Resp: 3680

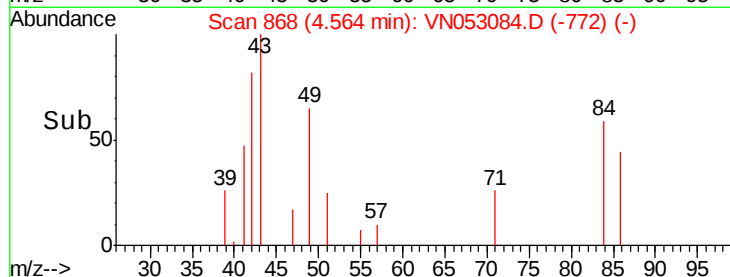
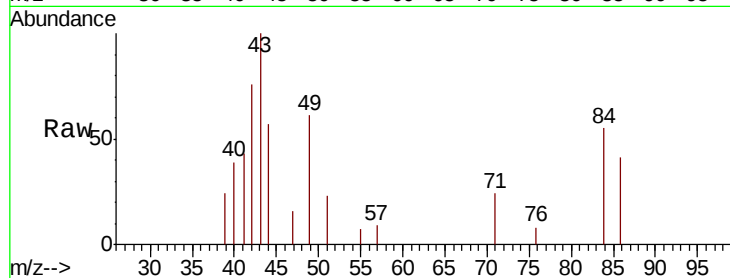
Ion Ratio Lower Upper

84 100

49 109.7 96.8 145.2

51 41.9 29.9 44.9

86 73.6 51.8 77.6

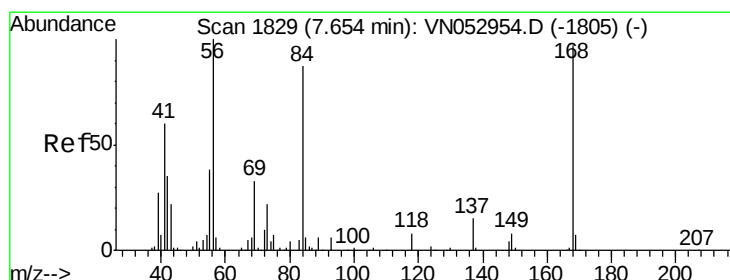
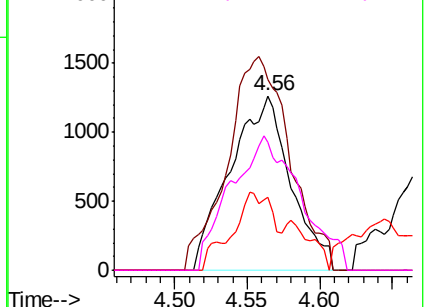


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#31

Cyclohexane

Concen: 1.969 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

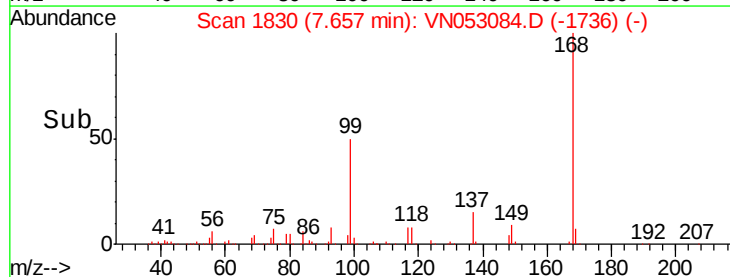
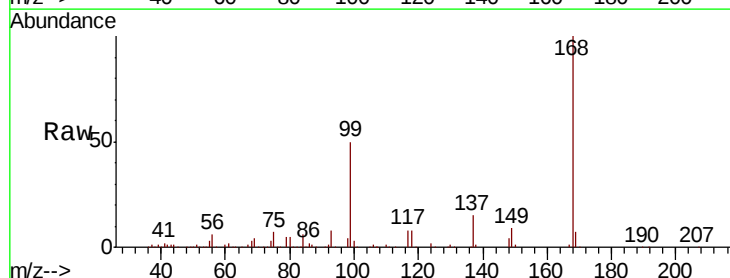
Tgt Ion: 56 Resp: 66415

Ion Ratio Lower Upper

56 100

69 75.4 26.6 39.8#

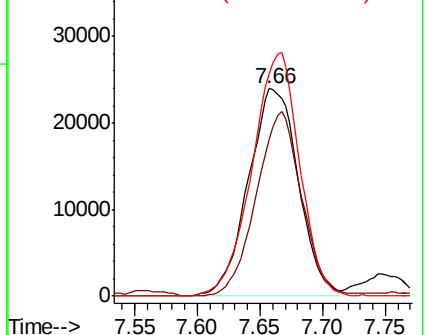
84 106.8 68.4 102.6#

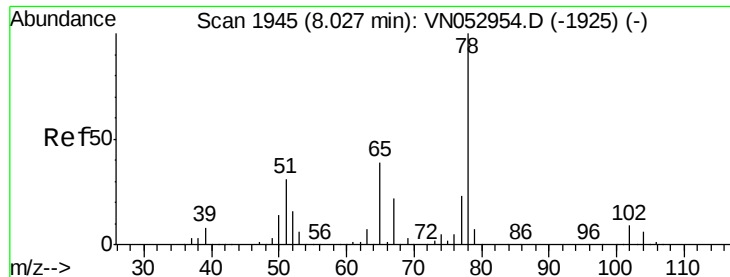


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

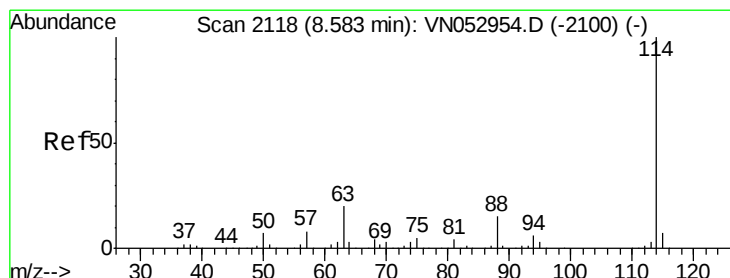
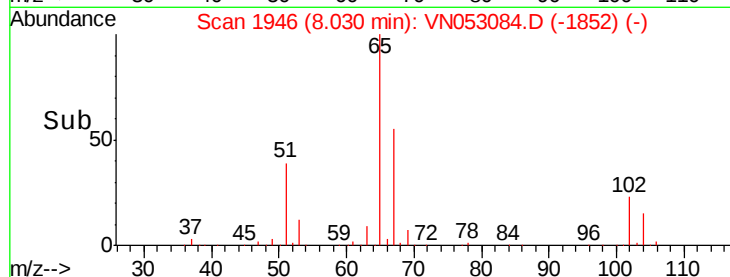
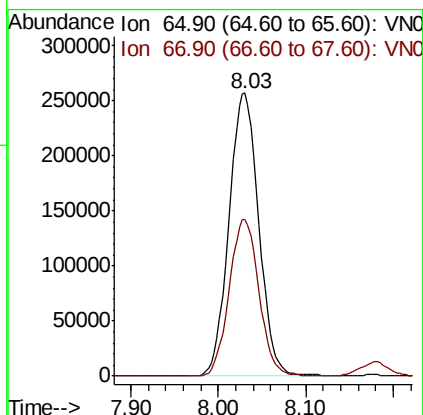
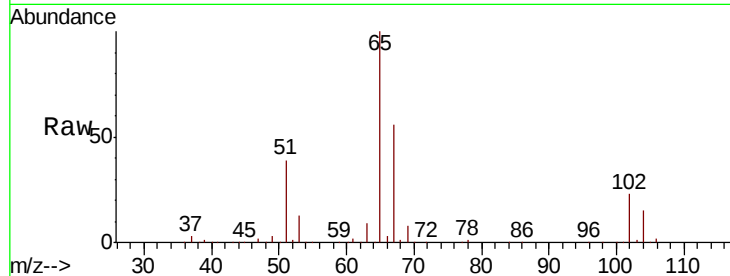




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

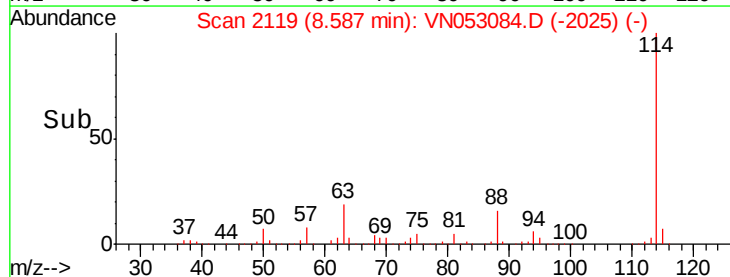
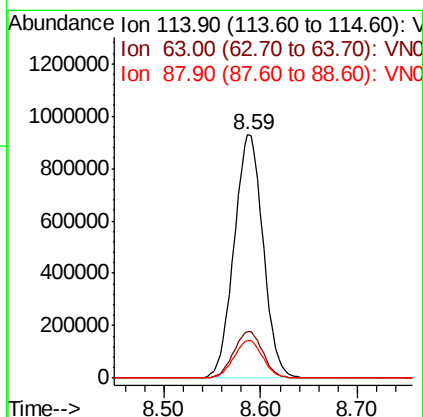
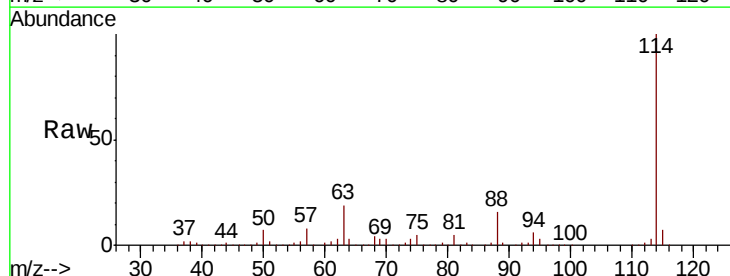
Instrument :
 MSVOA_N
 ClientSampleId :

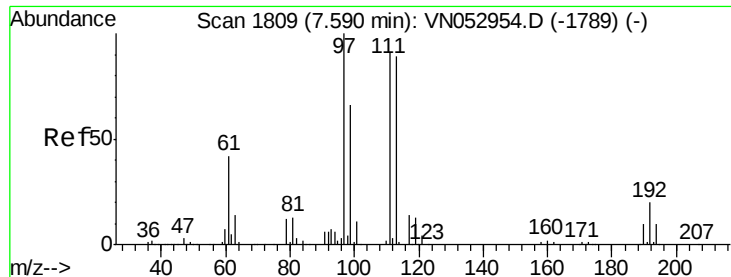
Tot Ion: 65 Resp: 606624
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

Tgt Ion: 114 Resp: 1934079
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.5 0.0 31.0

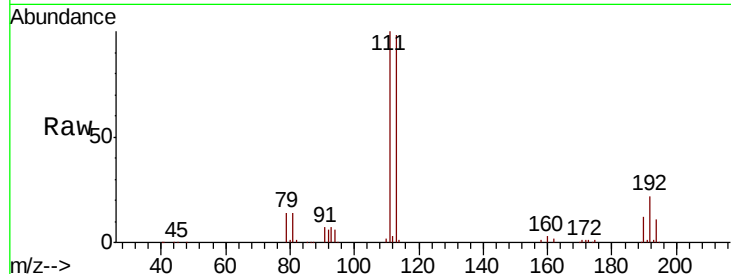




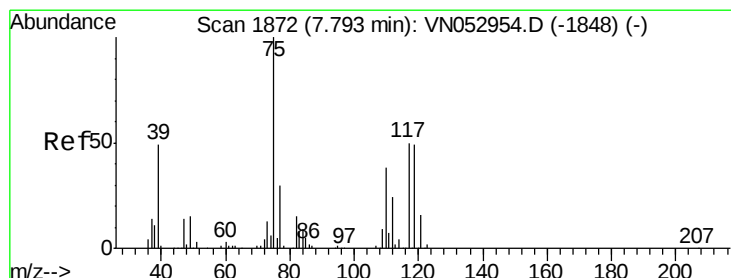
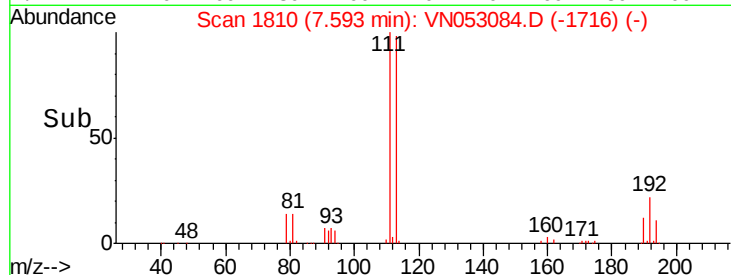
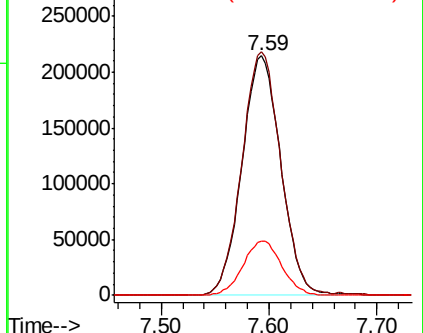
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.0	124.4
192	22.7	17.5	26.3

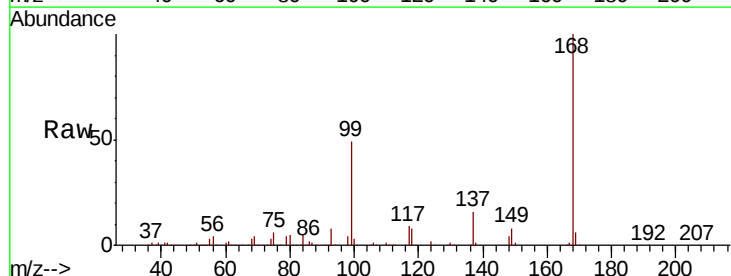


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

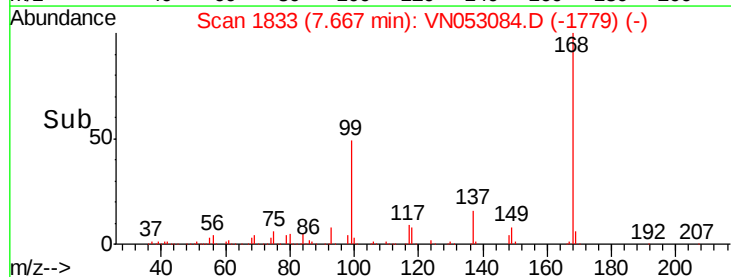
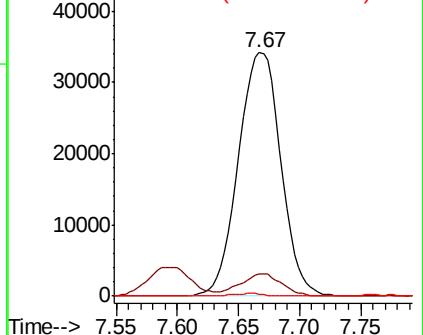


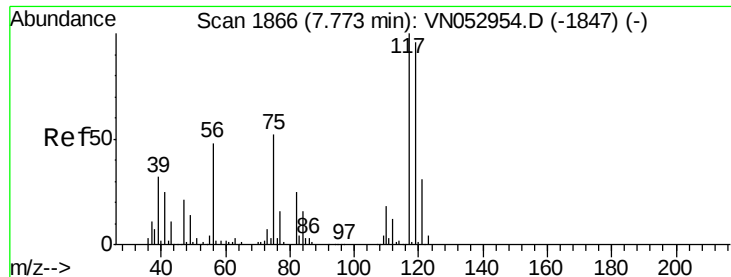
#36
 1,1-Dichloropropene
 Concen: 4.429 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.2	54.6#
77	0.6	24.9	37.3#



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: 6.363 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

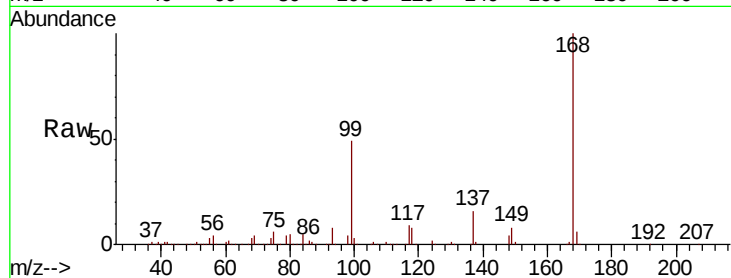
Tot Ion:117 Resp: 108266

Ion Ratio Lower Upper

117 100

119 5.0 77.1 115.7#

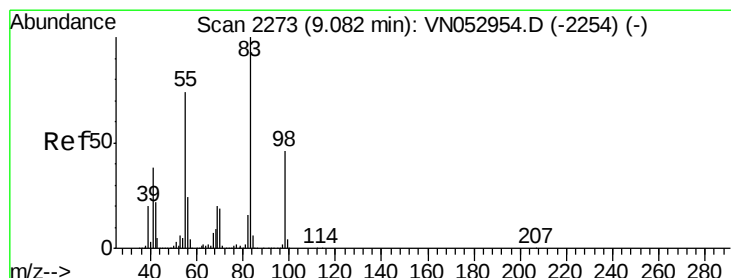
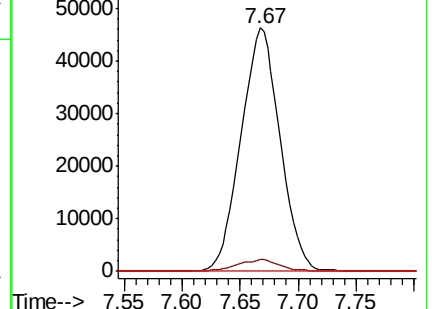
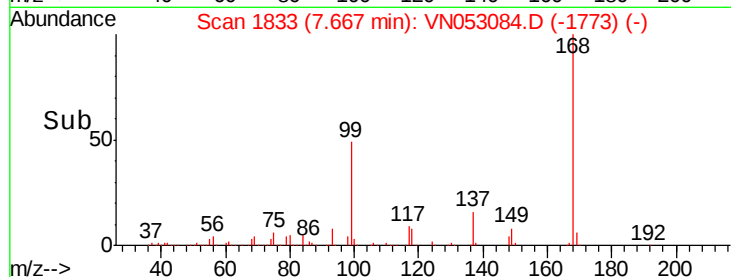
121 0.0 24.9 37.3#



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: 1.151 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

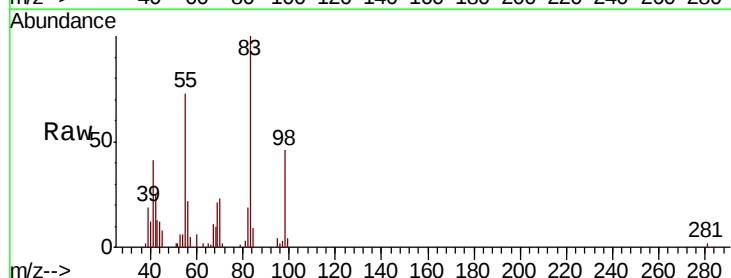
Tgt Ion: 83 Resp: 25967

Ion Ratio Lower Upper

83 100

55 72.6 61.3 91.9

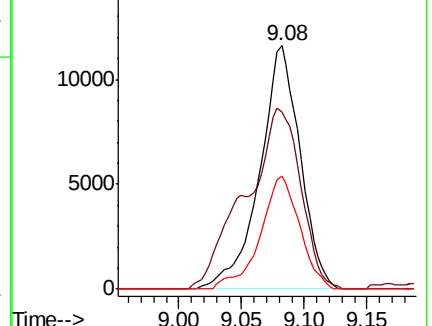
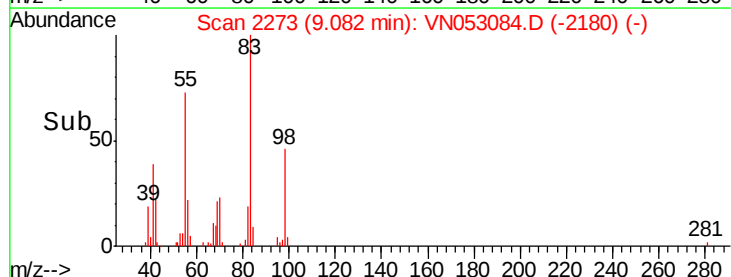
98 46.3 37.0 55.4

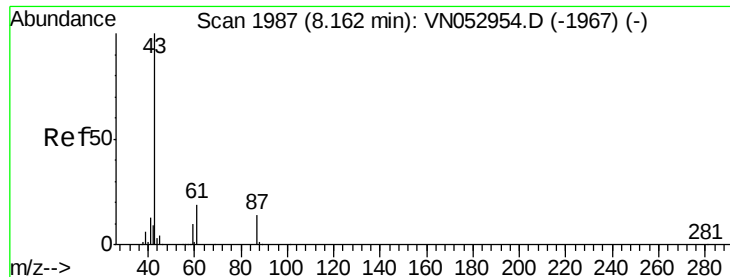


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 5.335 ug/l

RT: 8.32 min Scan# 2035

Delta R.T. 0.15 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

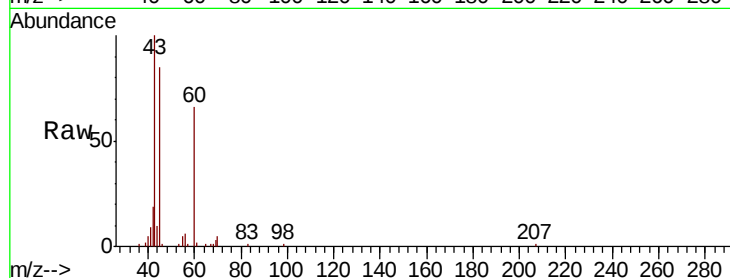
Tot Ion: 43 Resp: 125707

Ion Ratio Lower Upper

43 100

61 0.8 22.9 34.3#

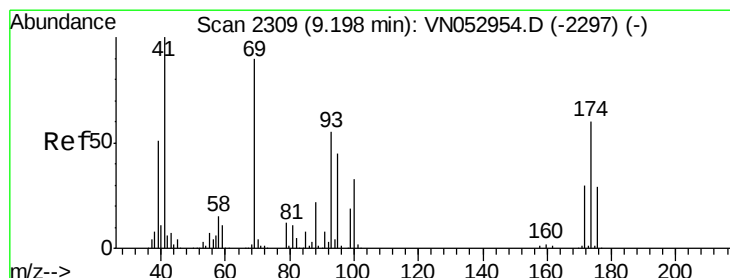
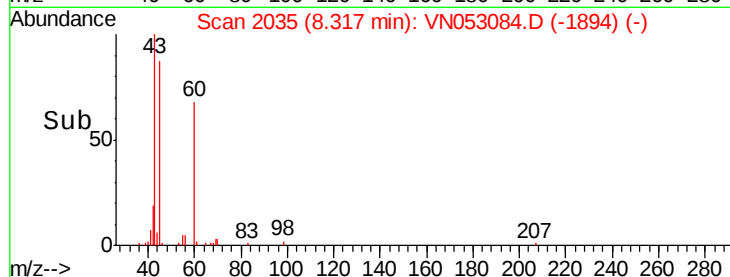
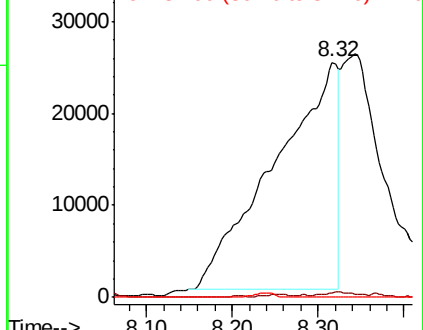
87 0.0 10.6 15.8#



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: 0.250 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

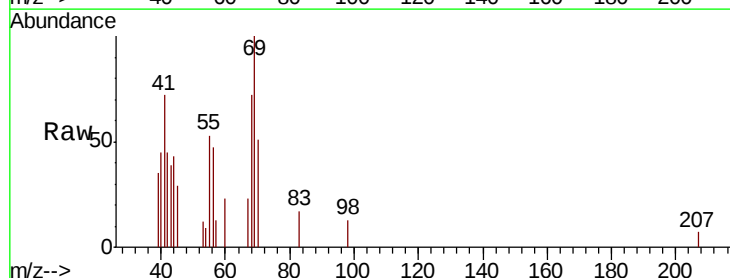
Tgt Ion: 41 Resp: 2510

Ion Ratio Lower Upper

41 100

69 174.5 72.2 108.2#

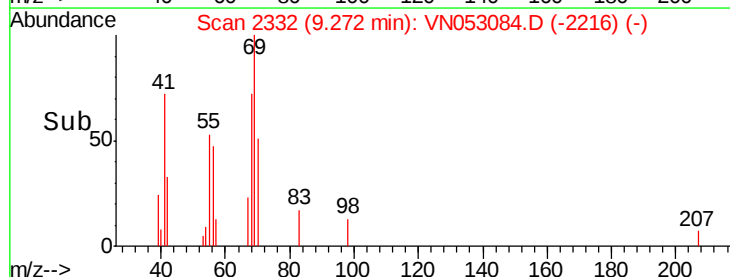
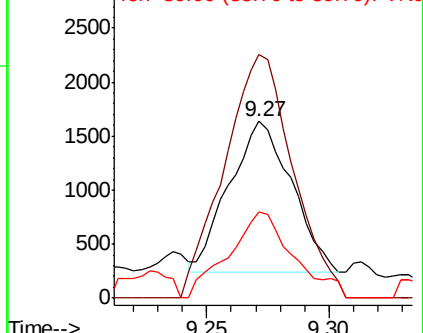
39 58.0 41.9 62.9

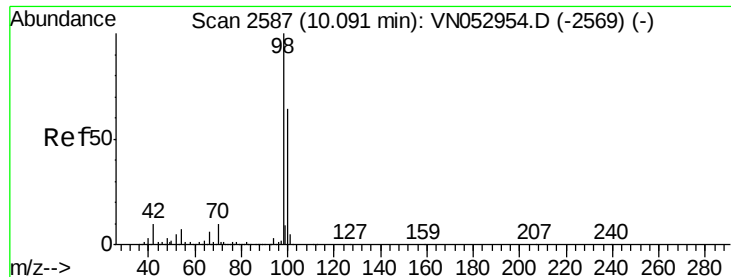


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

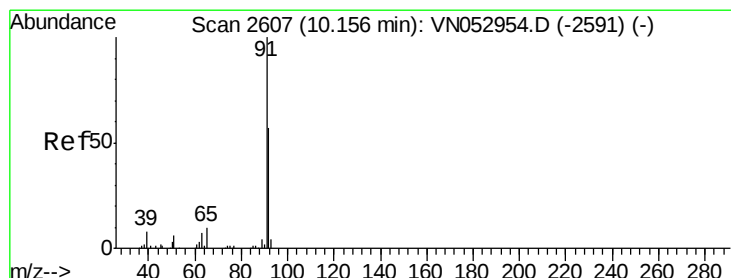
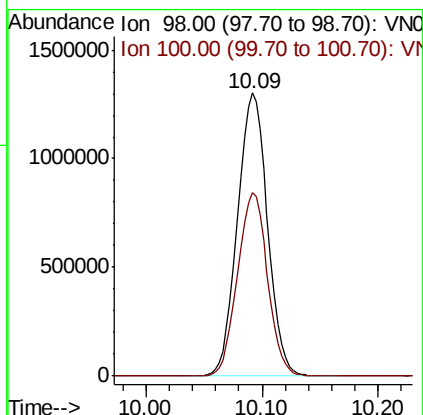
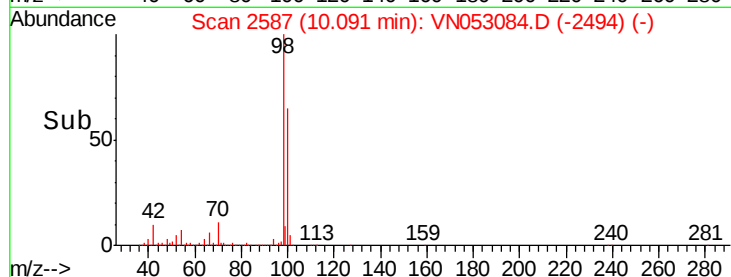
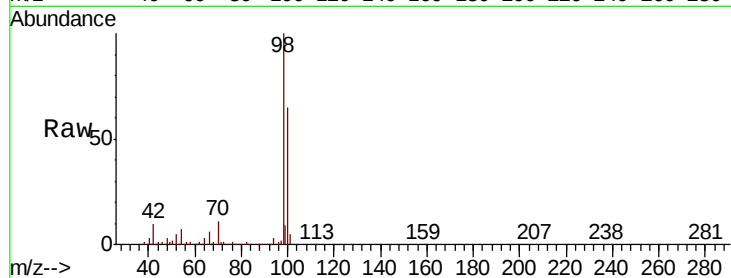
ClientSampleId :

Tot Ion: 98 Resp: 2341739

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#52

Toluene

Concen: 0.425 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053084.D

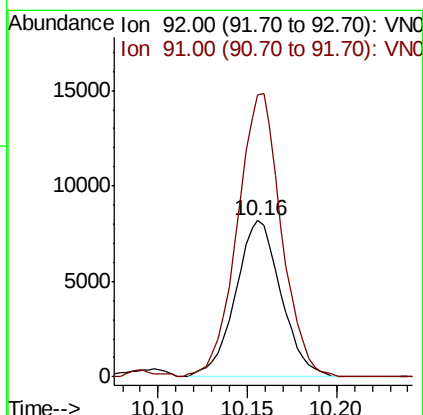
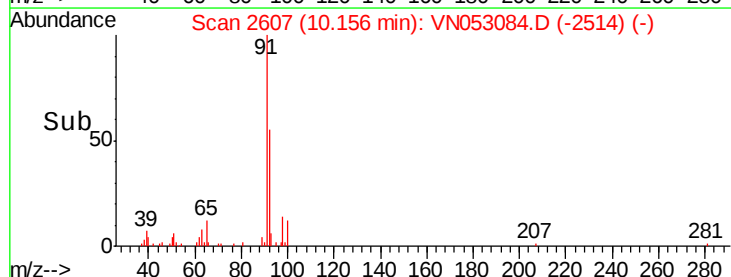
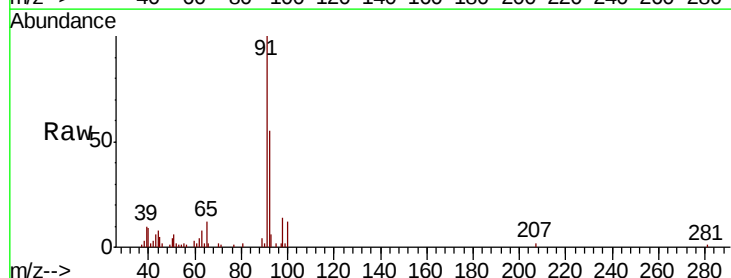
Acq: 21 Dec 2018 4:22

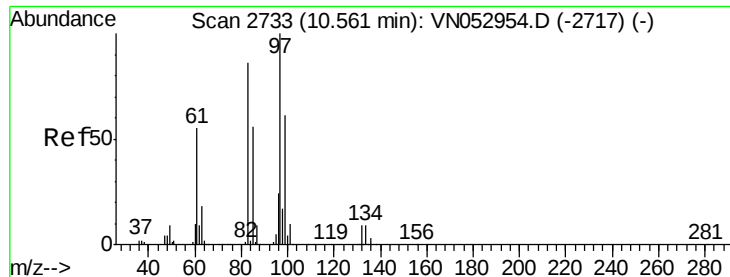
Tgt Ion: 92 Resp: 14538

Ion Ratio Lower Upper

92 100

91 175.4 139.8 209.6

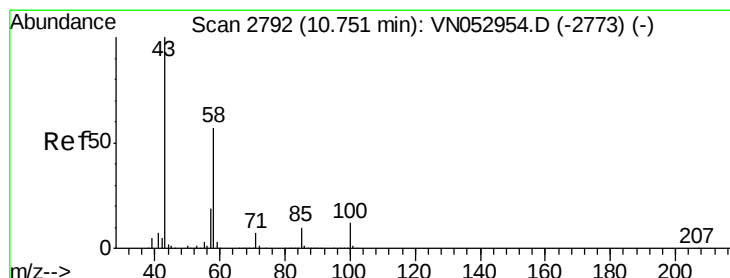
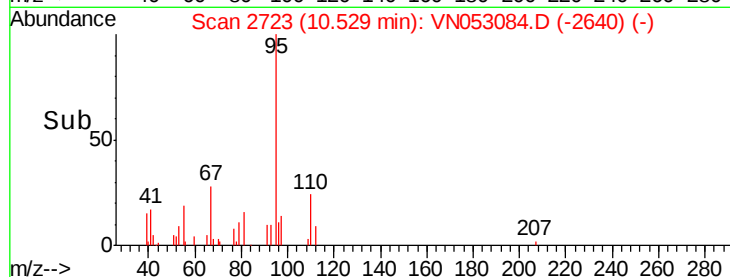
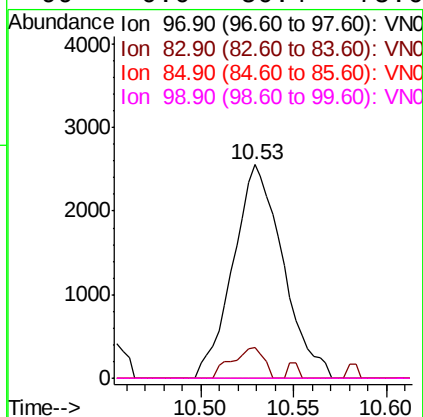
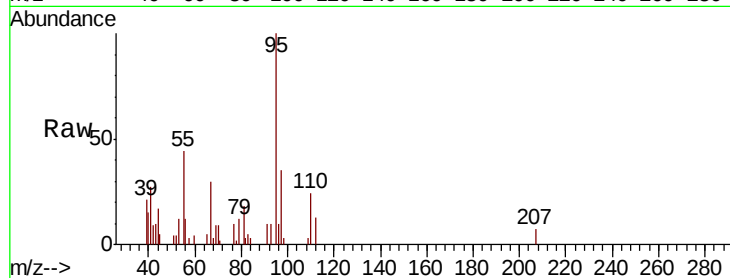




#55
 1,1,2-Trichloroethane
 Concen: 0.401 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

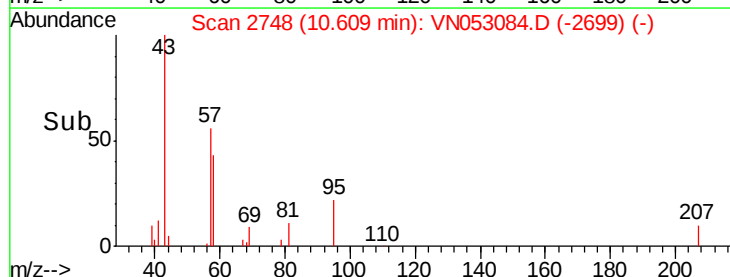
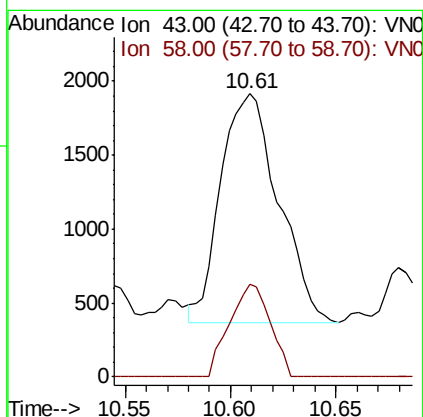
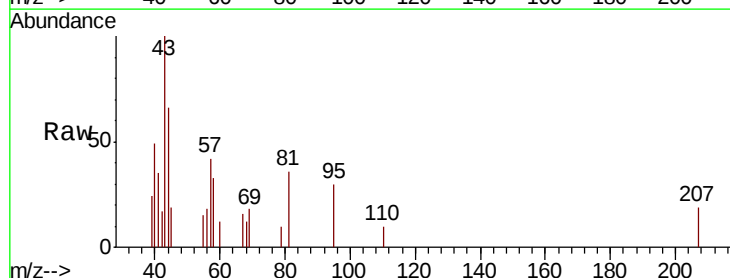
Instrument :
 MSVOA_N
 ClientSampleId :

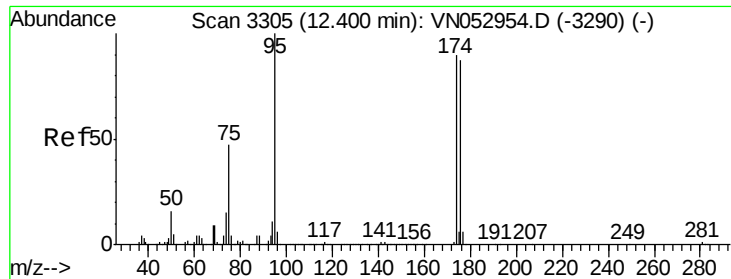
Tot Ion: 97 Resp: 4789
 Ion Ratio Lower Upper
 97 100
 83 14.1 70.9 106.3#
 85 0.0 45.4 68.2#
 99 0.0 50.4 75.6#



#59
 2-Hexanone
 Concen: 0.434 ug/l
 RT: 10.61 min Scan# 2748
 Delta R.T. -0.14 min
 Lab File: VN053084.D
 Acq: 21 Dec 2018 4:22

Tgt Ion: 43 Resp: 2947
 Ion Ratio Lower Upper
 43 100
 58 28.3 28.1 84.3

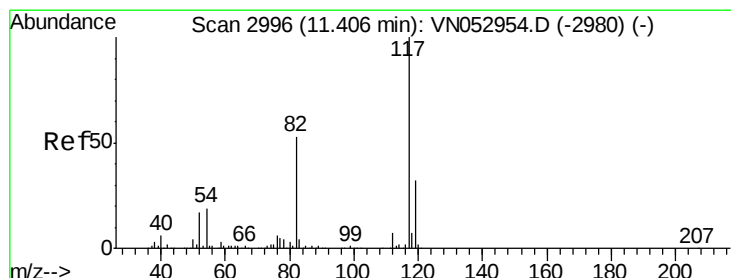
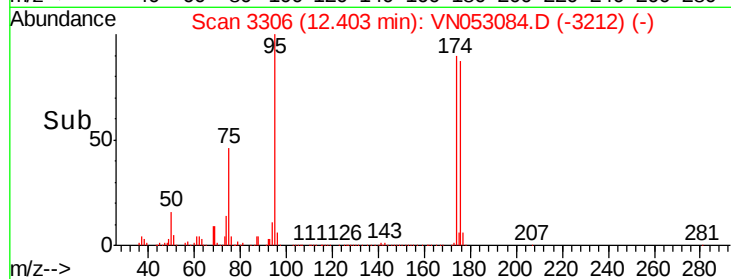
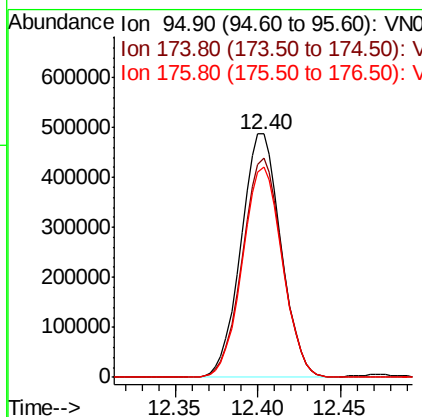
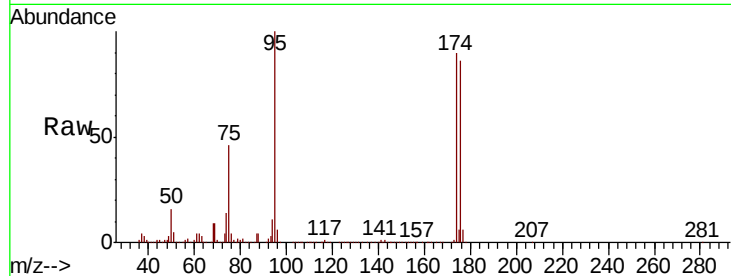




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

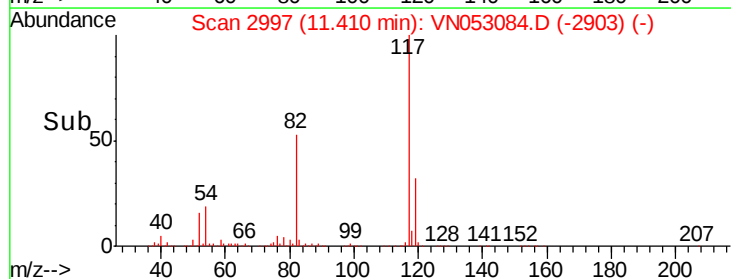
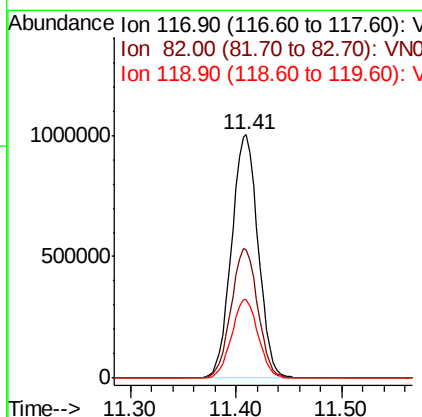
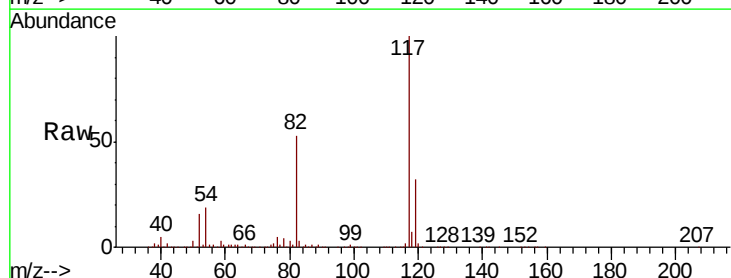
Instrument :
MSVOA_N
ClientSampleId :

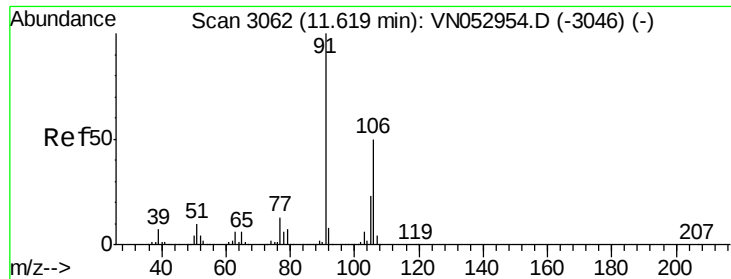
Tot Ion: 95 Resp: 814041
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.8
176 86.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion: 117 Resp: 1744345
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.1 25.5 38.3

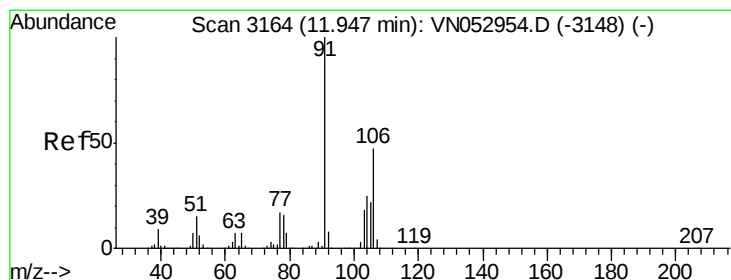
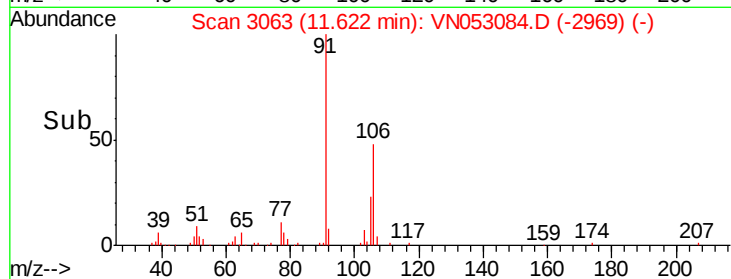
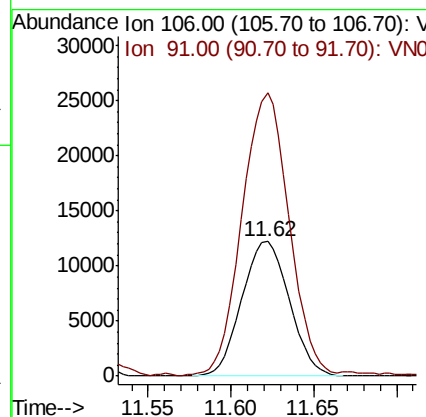
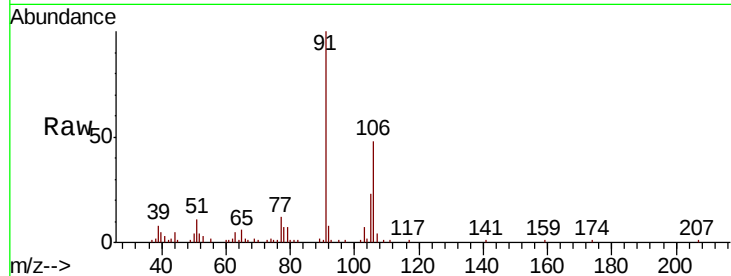




#68
m/p-Xylenes
Concen: 0.967 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

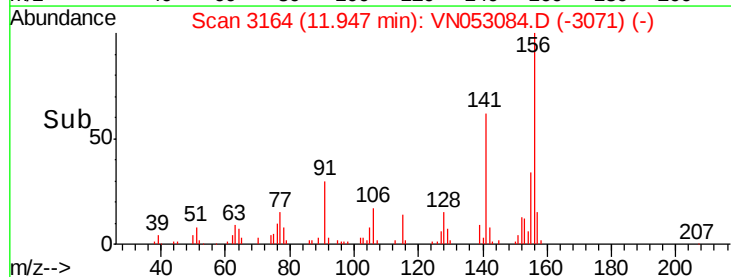
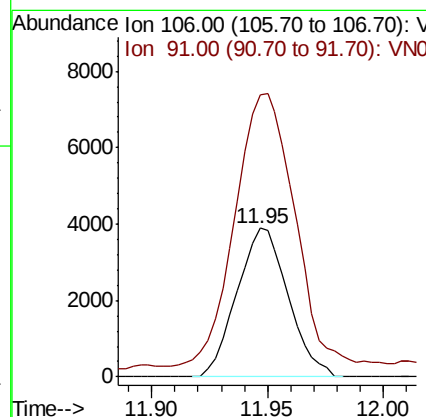
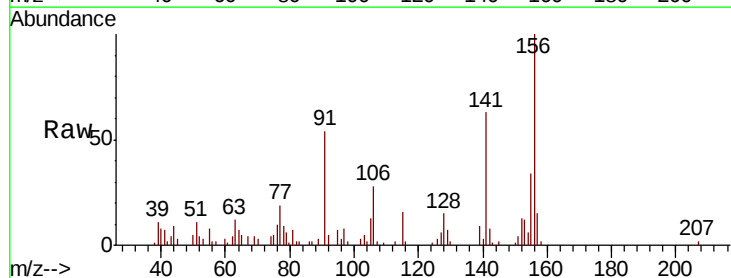
Instrument :
MSVOA_N
ClientSampled :

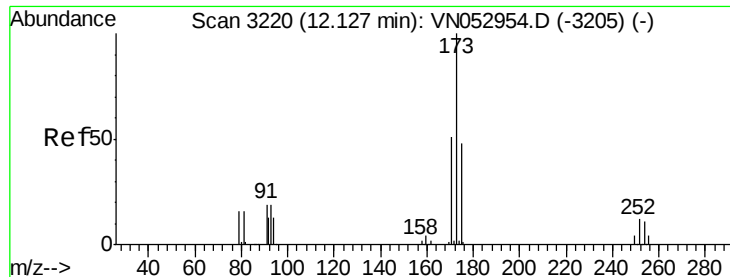
Tot Ion:106 Resp: 24445
Ion Ratio Lower Upper
106 100
91 208.2 162.2 243.4



#69
o-Xylene
Concen: 0.246 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion:106 Resp: 5967
Ion Ratio Lower Upper
106 100
91 214.6 106.6 319.8

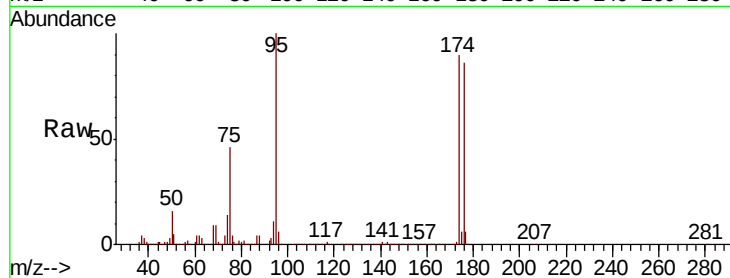




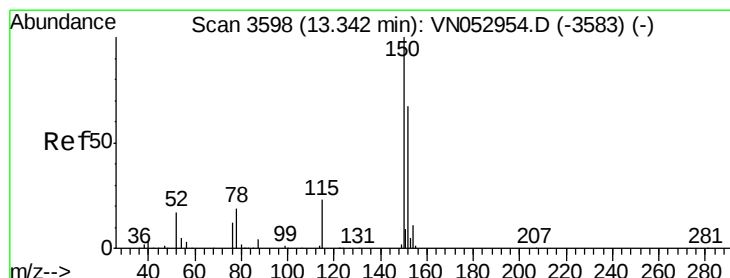
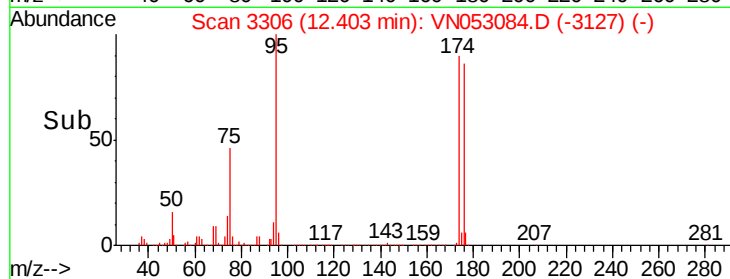
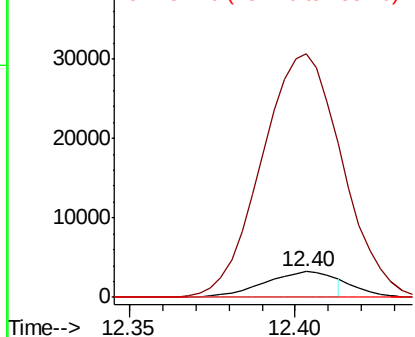
#71
Bromoform
Concen: 0.491 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 4773
Ion Ratio Lower Upper
173 100
175 943.1 24.3 72.9#
254 0.0 0.1 0.1#

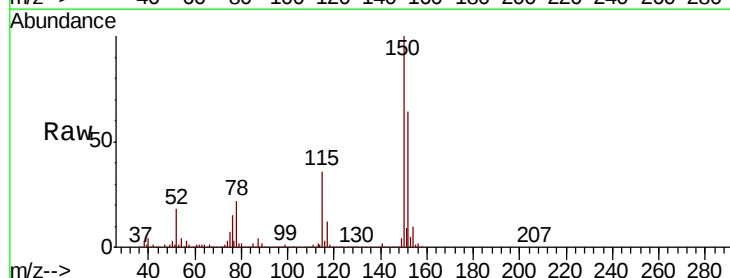


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

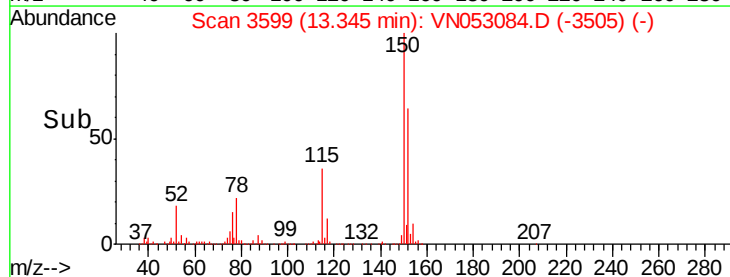
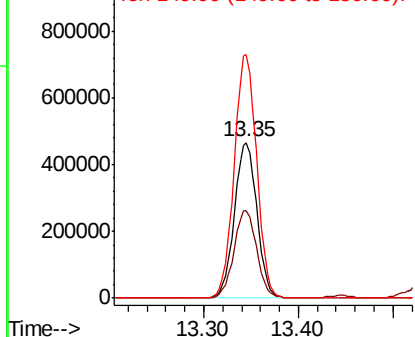


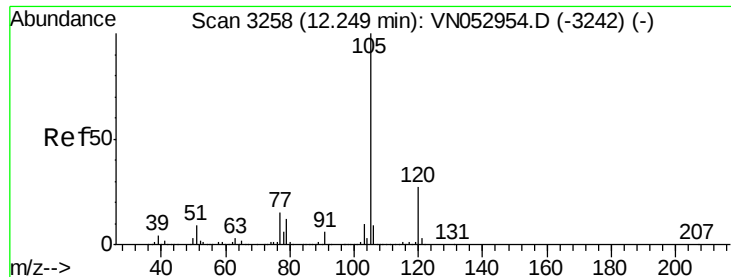
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion:152 Resp: 766520
Ion Ratio Lower Upper
152 100
115 56.8 28.3 85.0
150 156.6 0.0 347.8



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: 3.864 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

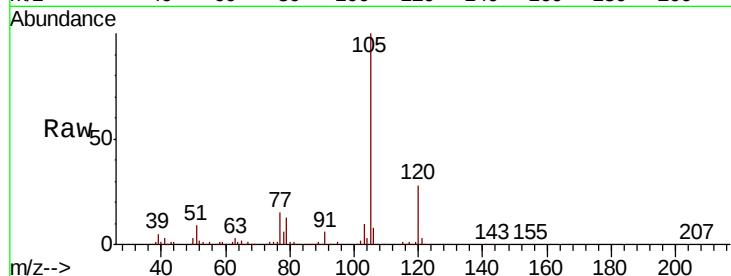
ClientSampleId :

Tot Ion:105 Resp: 231708

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

150000

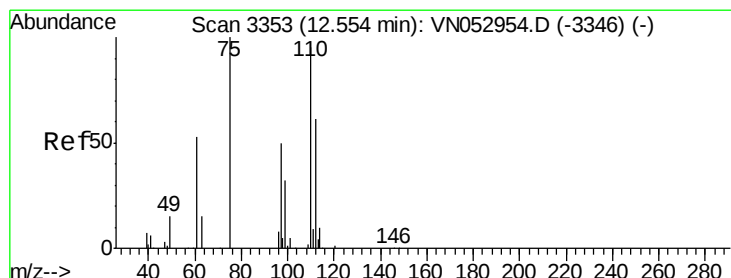
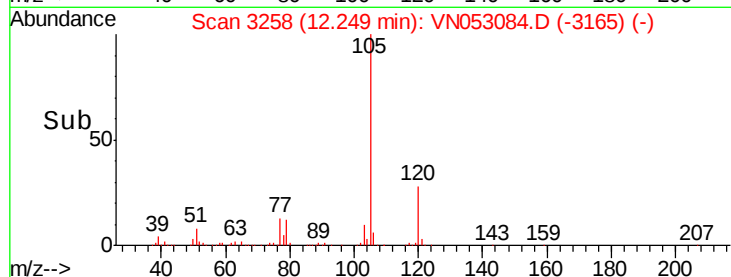
100000

50000

0

Time-->

12.20 12.25 12.30



#76

1,2,3-Trichloropropane

Concen: 29.264 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053084.D

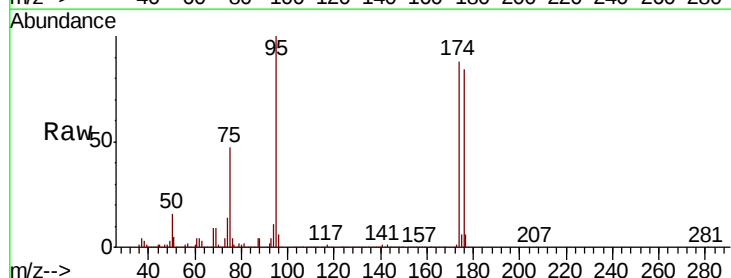
Acq: 21 Dec 2018 4:22

Tgt Ion: 75 Resp: 377608

Ion Ratio Lower Upper

75 100

77 1.4 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

250000

200000

150000

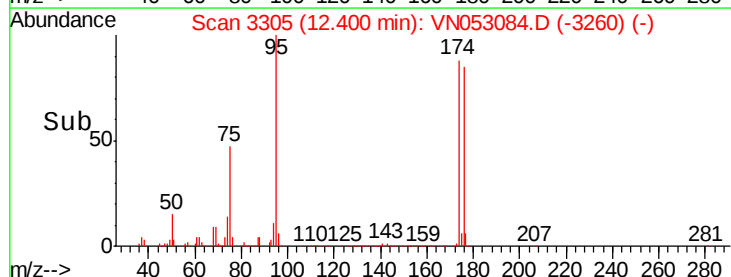
100000

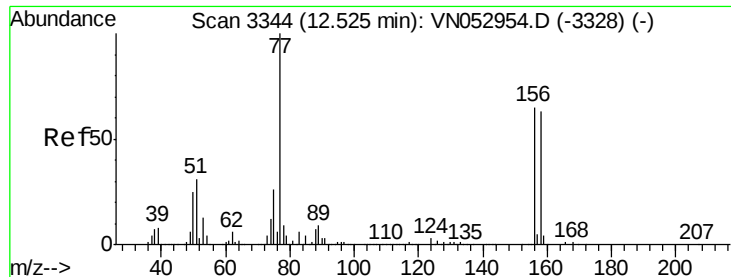
50000

0

Time-->

12.30 12.35 12.40 12.45





#77

Bromobenzene

Concen: 15.412 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.04 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

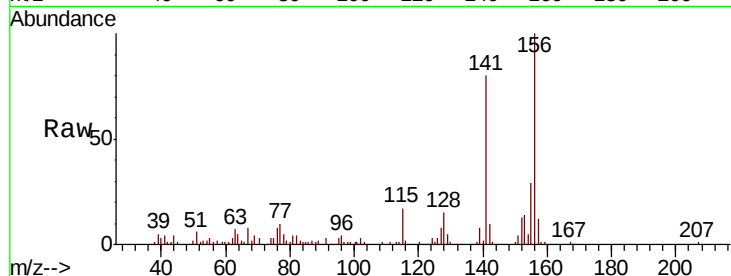
Tot Ion:156 Resp: 240271

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

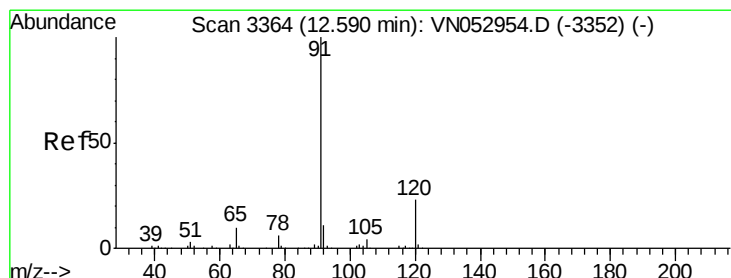
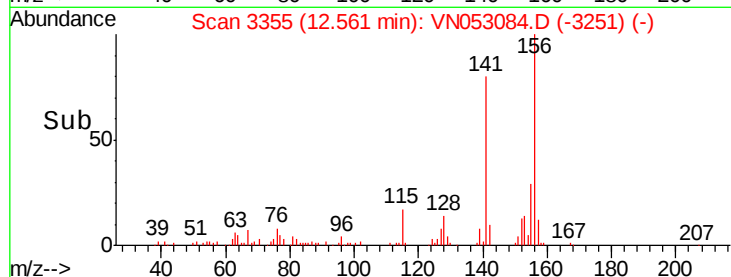
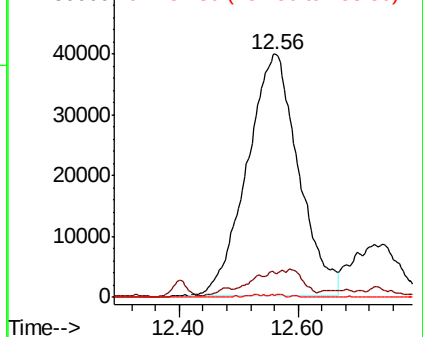
158 0.2 49.0 147.2#



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: 1.152 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053084.D

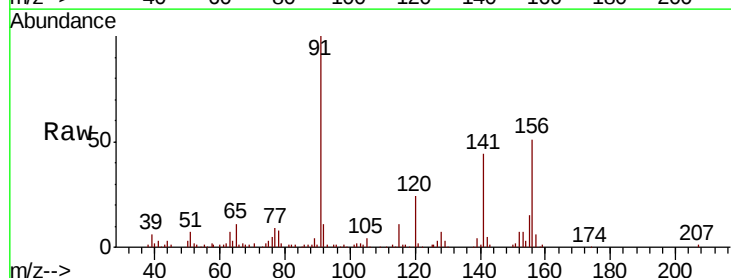
Acq: 21 Dec 2018 4:22

Tgt Ion: 91 Resp: 78688

Ion Ratio Lower Upper

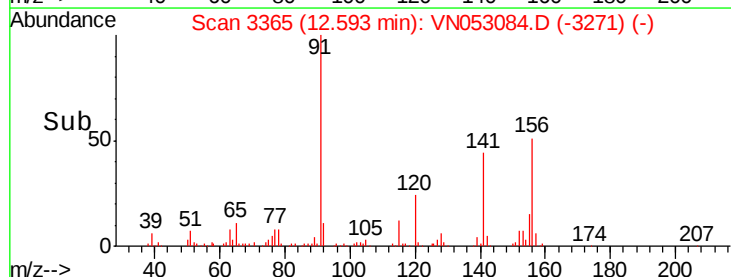
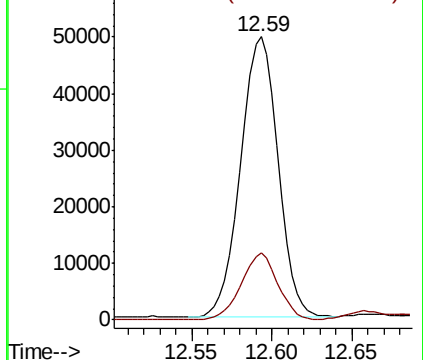
91 100

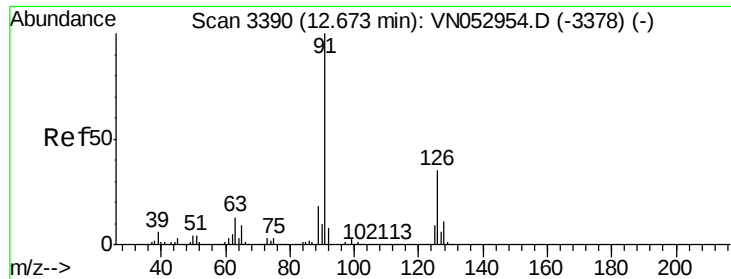
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.859 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

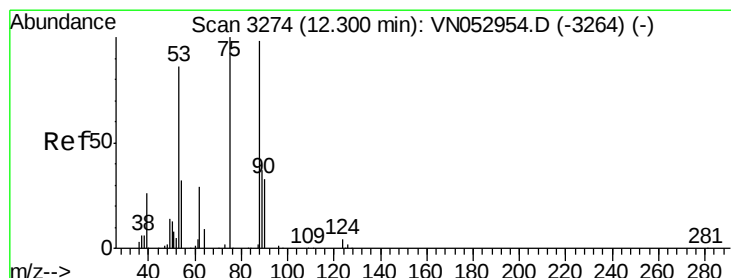
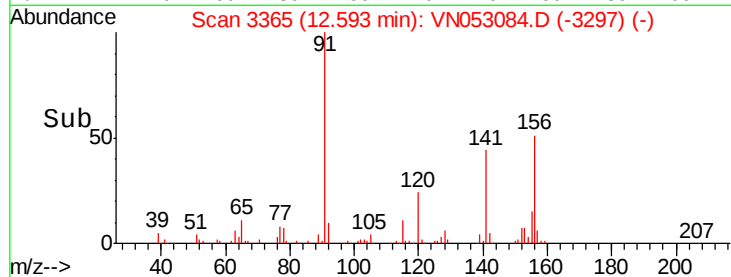
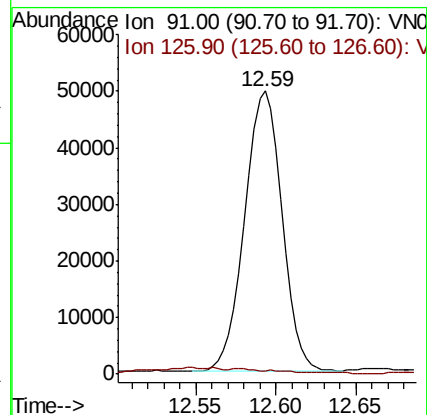
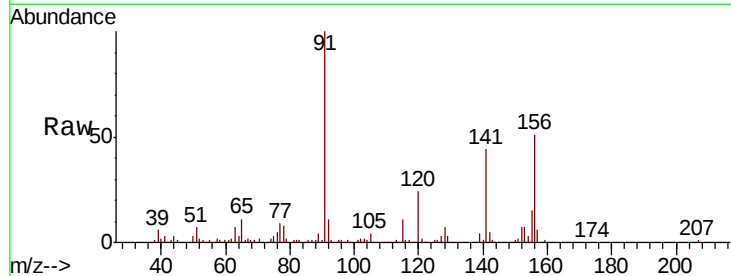
ClientSampleId :

Tot Ion: 91 Resp: 78688

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.321 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

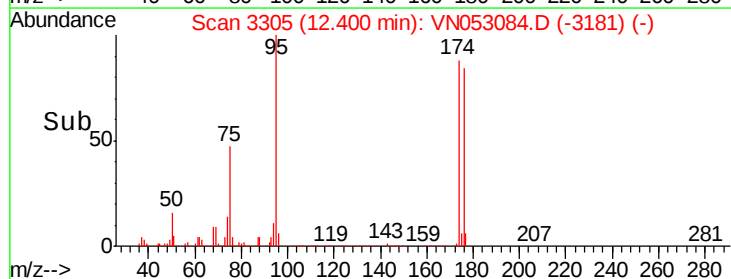
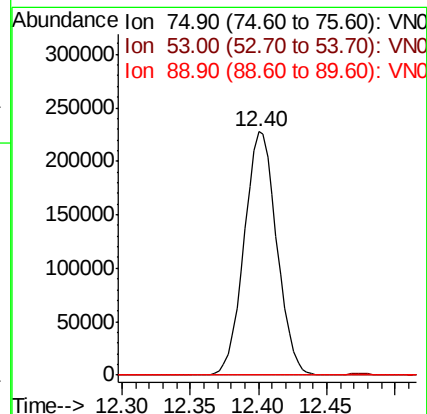
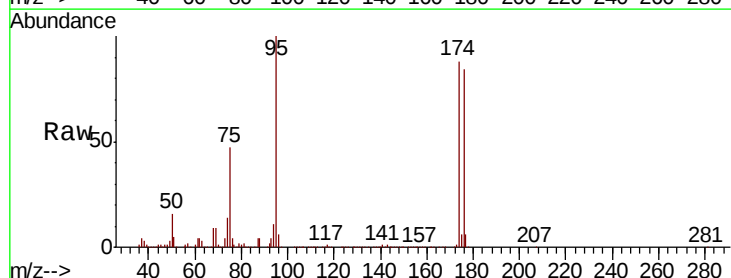
Tgt Ion: 75 Resp: 377608

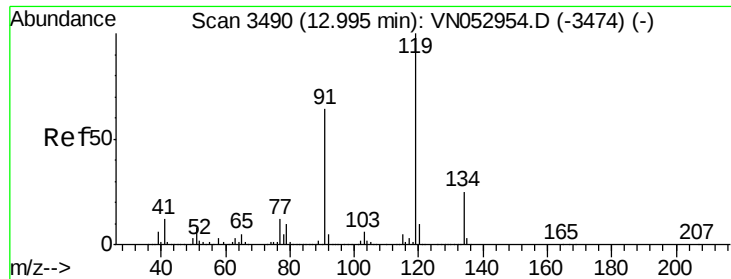
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#

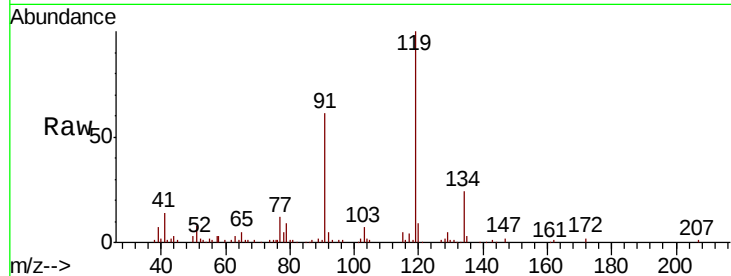




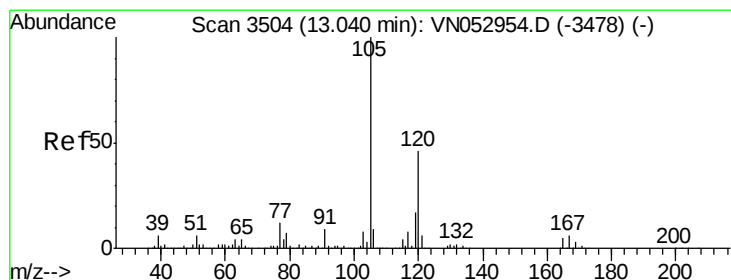
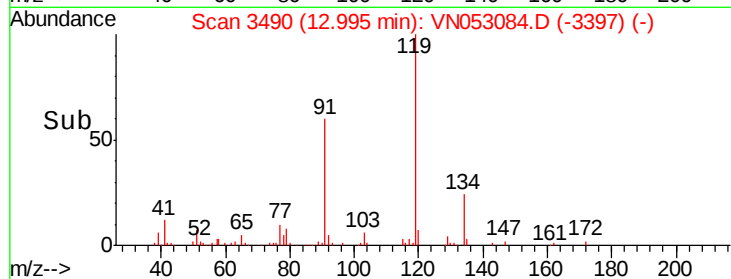
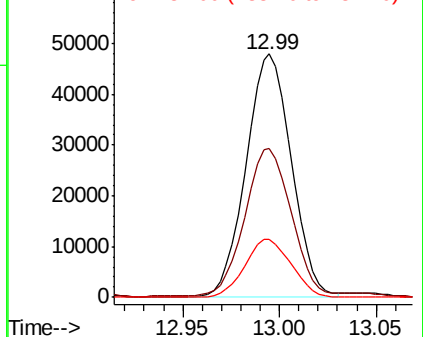
#83
tert-Butylbenzene
Concen: 1.811 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 78310
Ion Ratio Lower Upper
119 100
91 62.4 31.9 95.5
134 24.2 12.8 38.4

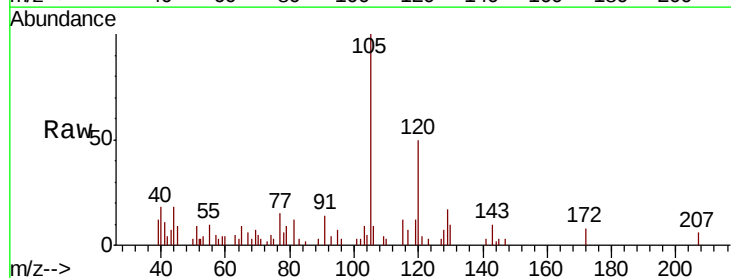


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

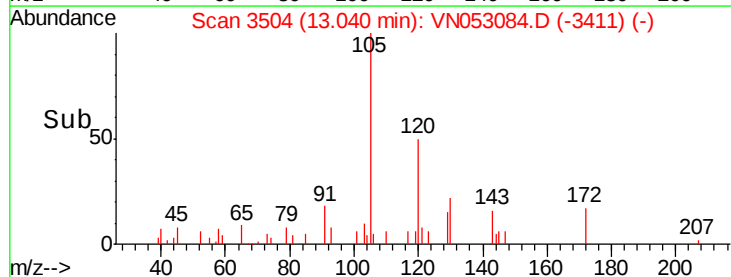
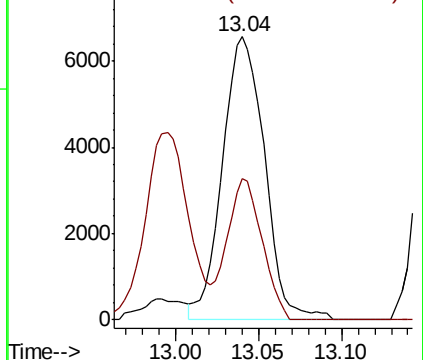


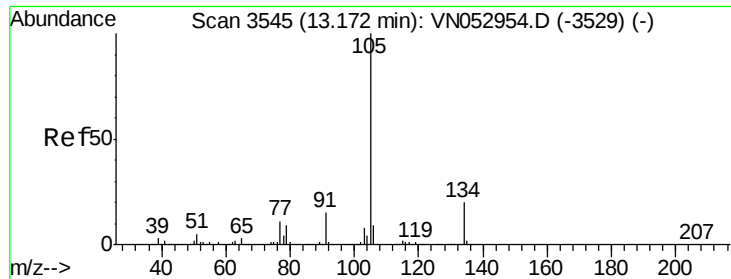
#84
1,2,4-Trimethylbenzene
Concen: 0.236 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053084.D
Acq: 21 Dec 2018 4:22

Tgt Ion:105 Resp: 11597
Ion Ratio Lower Upper
105 100
120 41.7 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 3.541 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

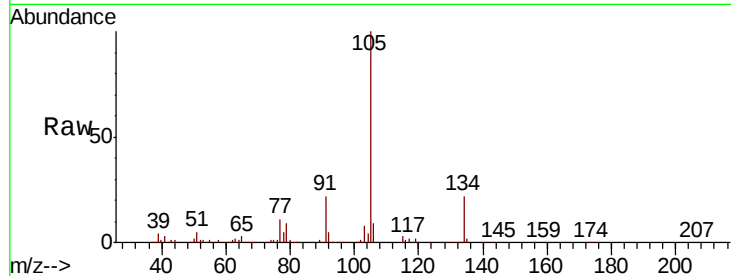
ClientSampled :

Tot Ion:105 Resp: 207084

Ion Ratio Lower Upper

105 100

134 34.9 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

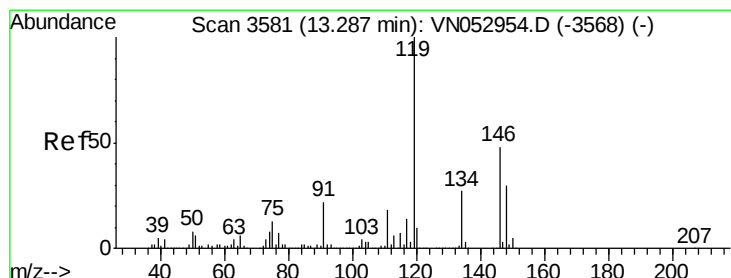
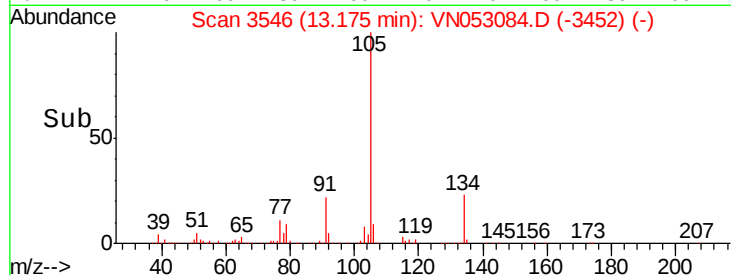
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 2.842 ug/l

RT: 13.45 min Scan# 3630

Delta R.T. 0.16 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

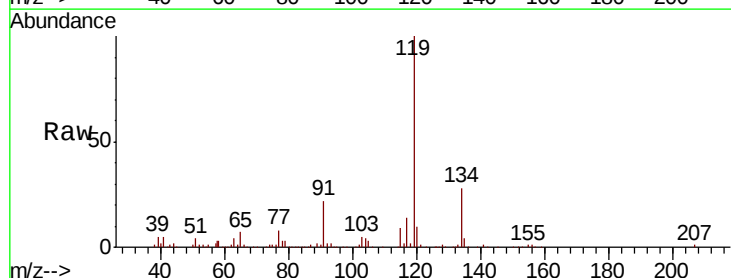
Tgt Ion:119 Resp: 143585

Ion Ratio Lower Upper

119 100

134 29.2 13.4 40.2

91 22.9 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

200000

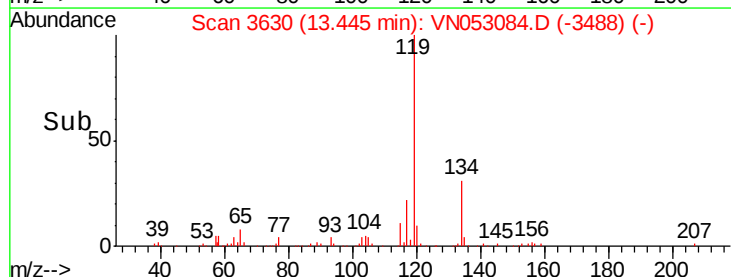
150000

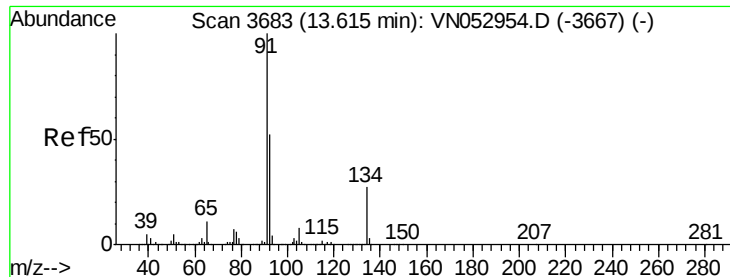
100000

50000

0

Time-->





#89

n-Butylbenzene

Concen: 0.716 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampled :

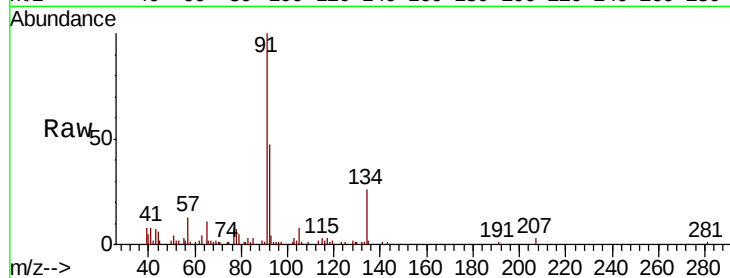
Tot Ion: 91 Resp: 31119

Ion Ratio Lower Upper

91 100

92 53.6 26.3 78.9

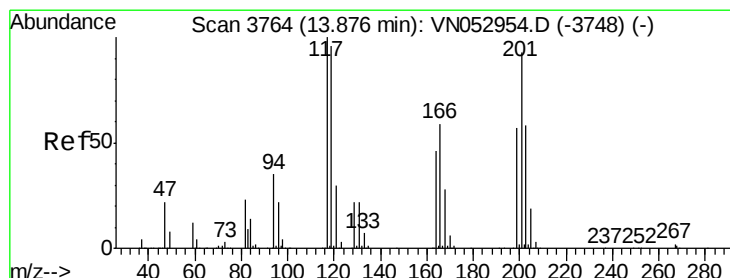
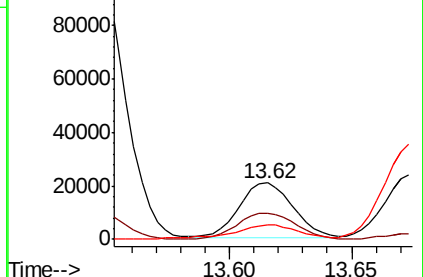
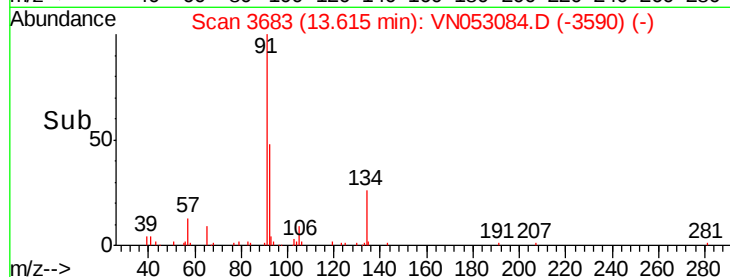
134 33.2 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 3.716 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN053084.D

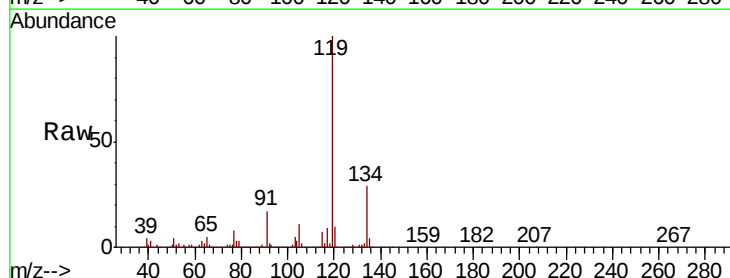
Acq: 21 Dec 2018 4:22

Tgt Ion: 117 Resp: 28812

Ion Ratio Lower Upper

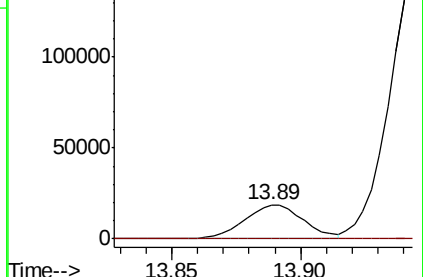
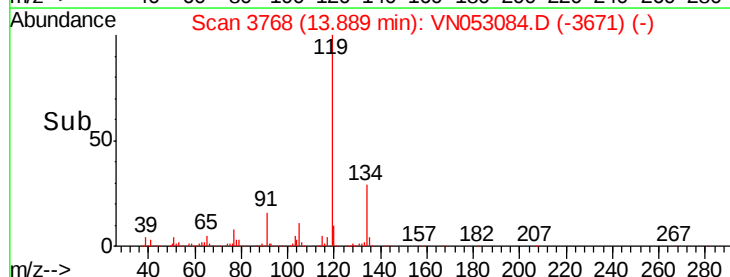
117 100

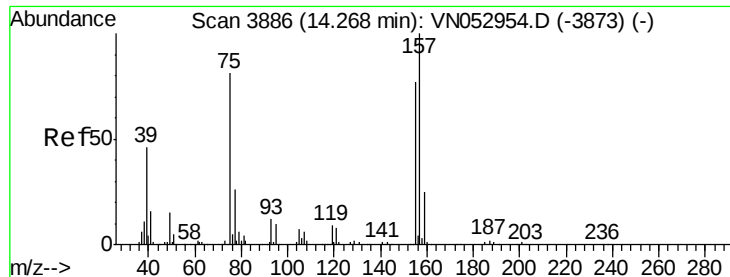
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.718 ug/l

RT: 14.21 min Scan# 3869

Delta R.T. -0.05 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampleId :

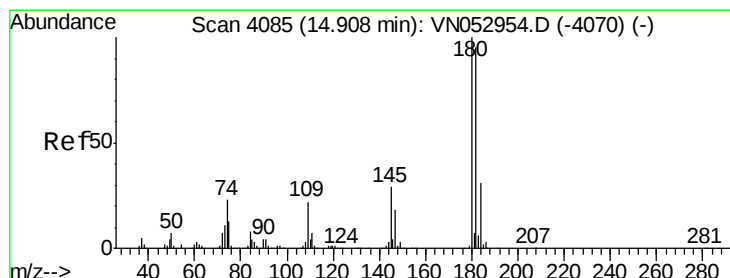
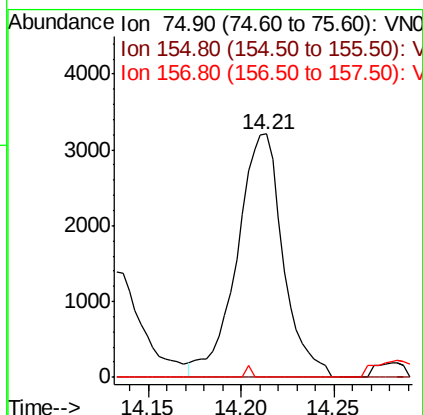
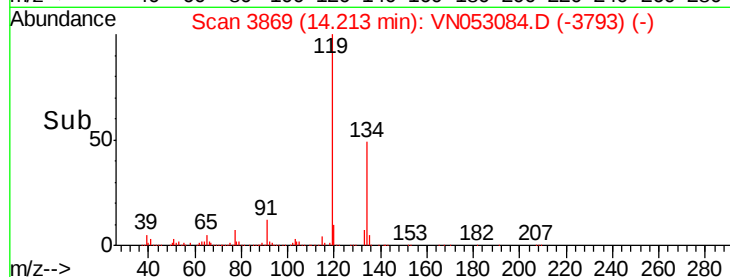
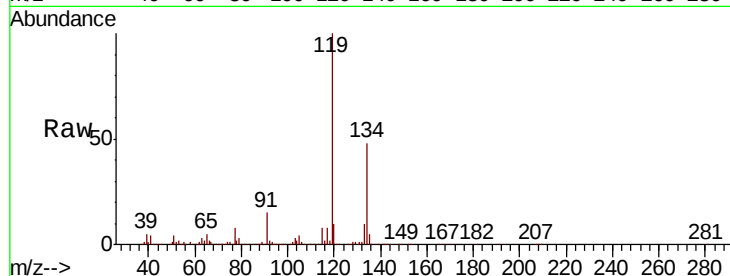
Tot Ion: 75 Resp: 5530

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.6 61.2 183.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.614 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

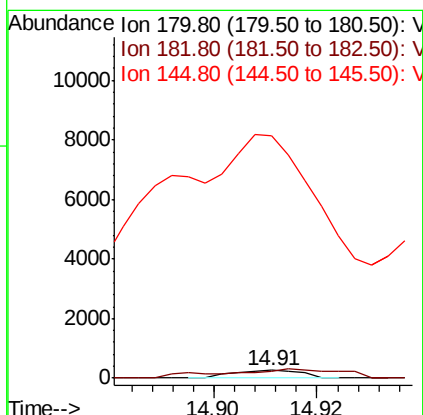
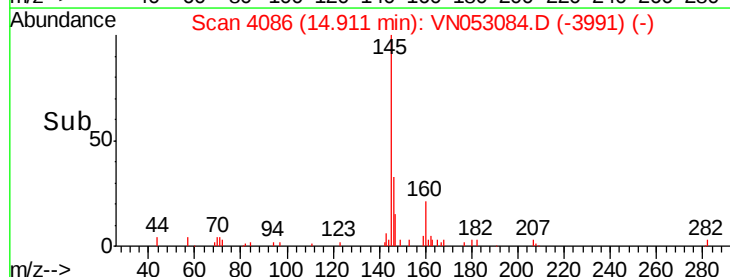
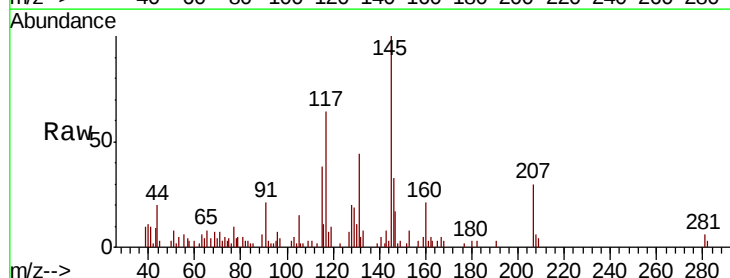
Tgt Ion:180 Resp: 244

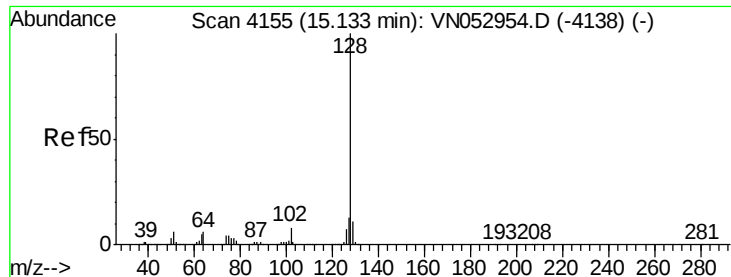
Ion Ratio Lower Upper

180 100

182 199.2 47.8 143.3#

145 8911.9 14.2 42.6#





#95

Naphthalene

Concen: 1.204 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

Instrument :

MSVOA_N

ClientSampled :

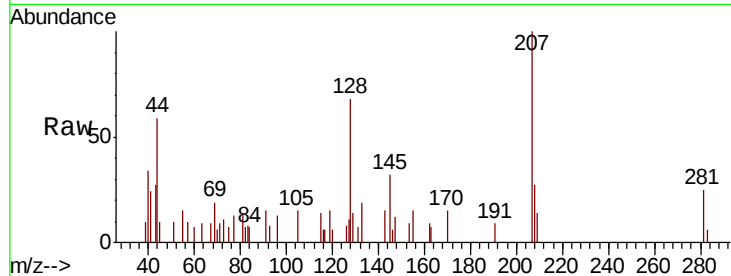
Tot Ion:128 Resp: 1771

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

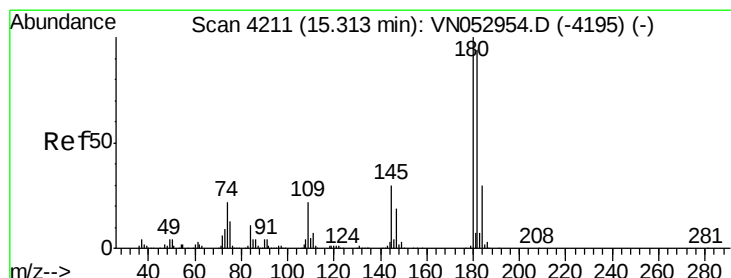
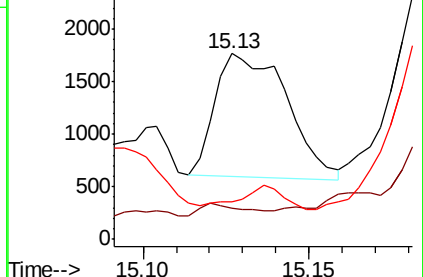
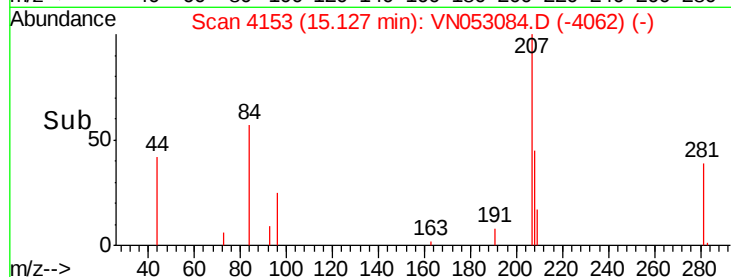
129 0.0 8.6 13.0#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.513 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053084.D

Acq: 21 Dec 2018 4:22

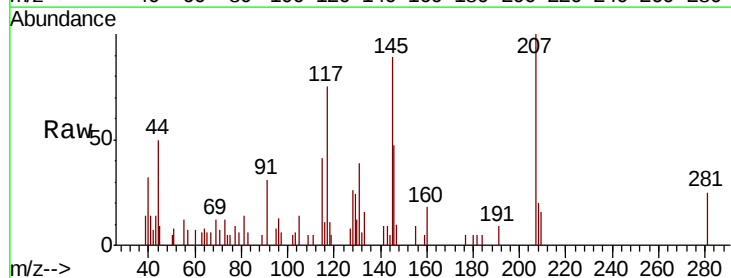
Tgt Ion:180 Resp: 59

Ion Ratio Lower Upper

180 100

182 115.3 47.9 143.7

145 21806.8 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

