

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053115.D
 Acq On : 21 Dec 2018 21:09
 Operator : MD\SY
 Sample : J6392-10 20X
 Misc : 7.23g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB104-121218(18-20)ME

Quant Time: Dec 22 01:20:43 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	1297713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1971579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	858094	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	633461	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
35) Dibromofluoromethane	7.59	113	507078	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
50) Toluene-d8	10.09	98	2477106	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	895487	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.54	41	14983	0.782	ug/l #	24
15) Acrylonitrile	5.05	53	4242	0.950	ug/l #	37
16) Acetone	3.80	43	3128	1.211	ug/l #	43
18) Methyl Acetate	4.60	43	157734	14.184	ug/l #	51
25) 2-Butanone	6.81	43	1838	0.424	ug/l #	49
30) Chloroform	7.33	83	12265	0.514	ug/l #	18
31) Cyclohexane	7.64	56	174697	6.756	ug/l #	75
36) 1,1-Dichloropropene	7.67	75	84953	4.489	ug/l #	48
38) Carbon Tetrachloride	7.67	117	110519	6.372	ug/l #	15
39) Methylcyclohexane	9.08	83	310597	13.511	ug/l	94
40) Benzene	8.05	78	99359	1.765	ug/l	100
41) Methacrylonitrile	7.22	41	3679	0.603	ug/l #	17
43) Isopropyl Acetate	8.15	43	42260	1.044	ug/l #	53
47) Bromodichloromethane	9.38	83	29214	1.609	ug/l #	27
48) Methyl methacrylate	9.22	41	19193	1.872	ug/l #	26
51) 4-Methyl-2-Pentanone	10.02	43	30909	3.021	ug/l #	80
52) Toluene	10.16	92	3603640	103.289	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	39505	2.069	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	123319	10.132	ug/l #	19
56) Ethyl methacrylate	10.43	69	3745	0.232	ug/l #	26
58) 2-Chloroethyl Vinyl ether	9.67	63	1851	0.209	ug/l #	49
59) 2-Hexanone	10.72	43	150775	21.783	ug/l #	29
67) Ethyl Benzene	11.51	91	5736925	80.977	ug/l	100
68) m/p-Xylenes	11.62	106	7928238	294.373	ug/l	98
69) o-Xylene	11.95	106	3034158	117.403	ug/l	100
70) Styrene	11.95	104	148980	3.535	ug/l #	1
71) Bromoform	12.40	173	5171	0.500	ug/l #	1
73) Isopropylbenzene	12.25	105	1263168	18.814	ug/l	100
74) N-amyl acetate	12.04	43	84877	4.553	ug/l #	55
76) 1,2,3-Trichloropropane	12.66	75	40138	2.779	ug/l #	100
78) n-propylbenzene	12.59	91	2085301	27.271	ug/l	99
79) 2-Chlorotoluene	12.66	91	606004	12.786	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	2366303	43.241	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.25	75	13391	2.988	ug/l #	63

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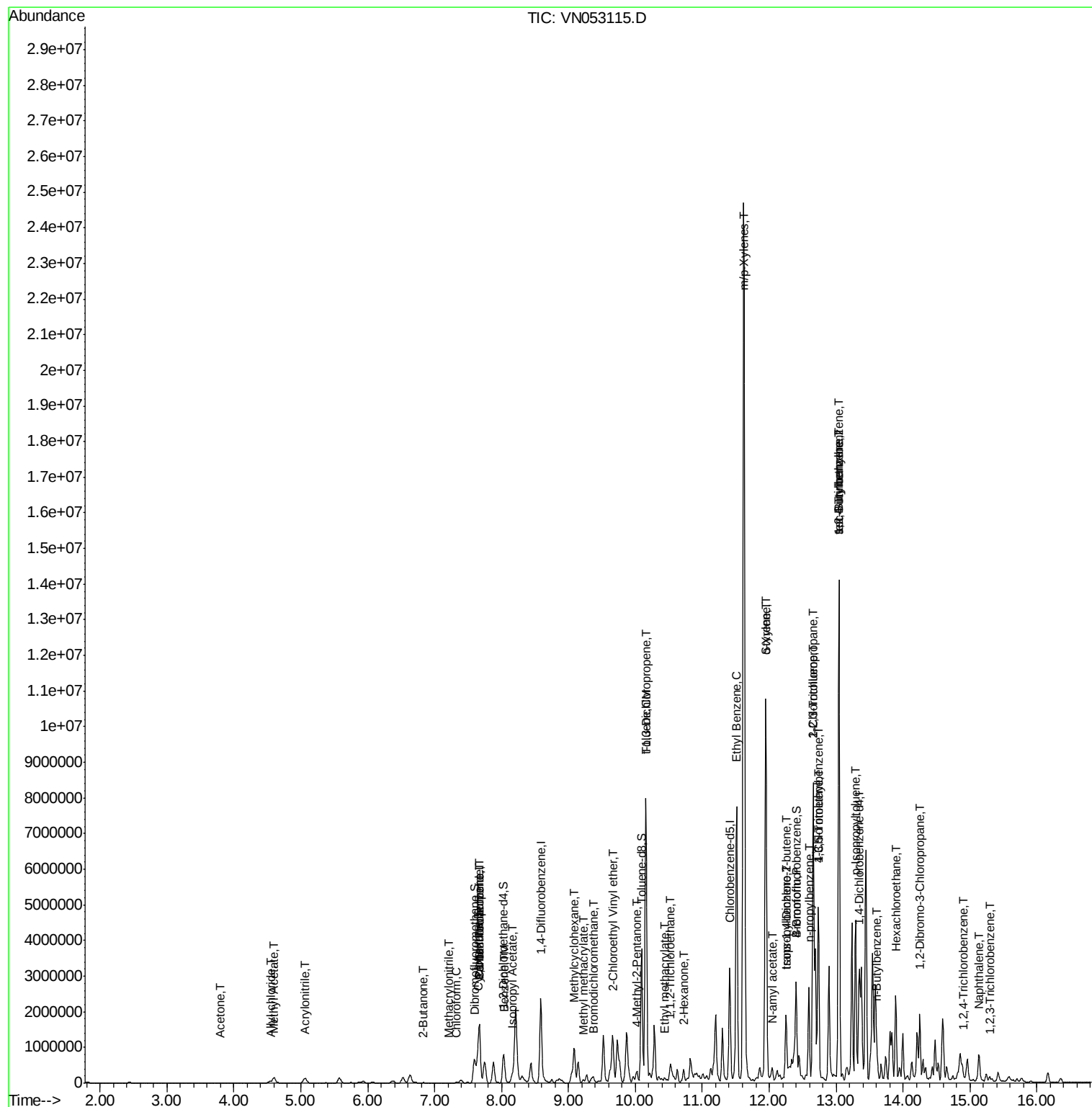
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	232387	5.009	ug/l #	41
83) tert-Butylbenzene	13.04	119	1008873	20.845	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	8142234	148.007	ug/l	100
85) sec-Butylbenzene	13.04	105	8142234	124.379	ug/l #	56
86) p-Isopropyltoluene	13.29	119	2527921	44.690	ug/l	99
89) n-Butylbenzene	13.62	91	304801	6.263	ug/l #	74
90) Hexachloroethane	13.89	117	109577	12.623	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6877	3.020	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.91	180	481	0.627	ug/l #	1
95) Naphthalene	15.14	128	648493	19.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	226	0.524	ug/l #	1

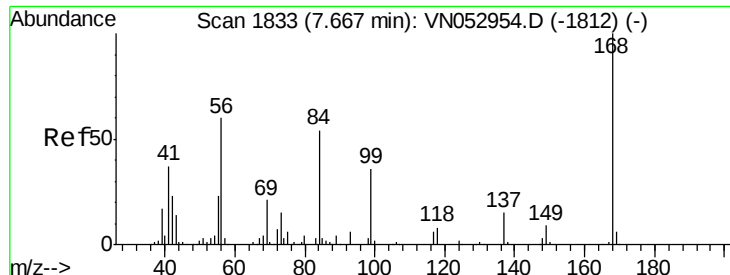
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

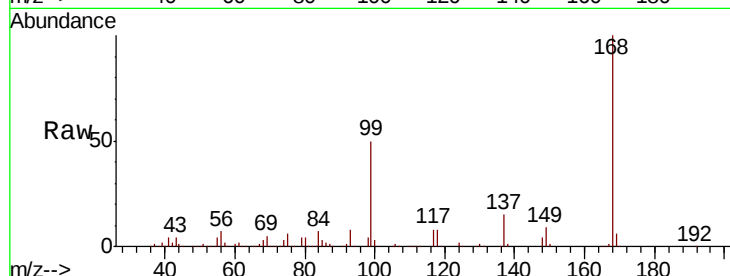
KY001SB104-121218(18-20)ME

Tot Ion:168 Resp: 1297713

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053115.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053115.D (-1740) (-)

7.67

600000

500000

400000

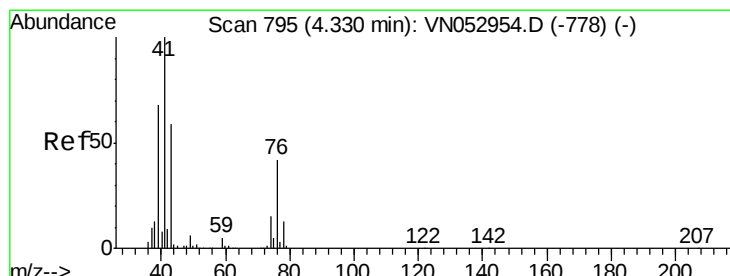
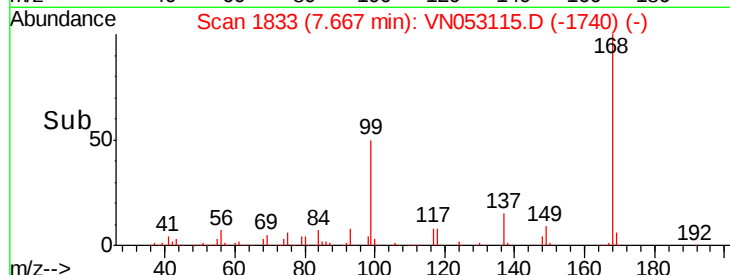
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 0.782 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.22 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

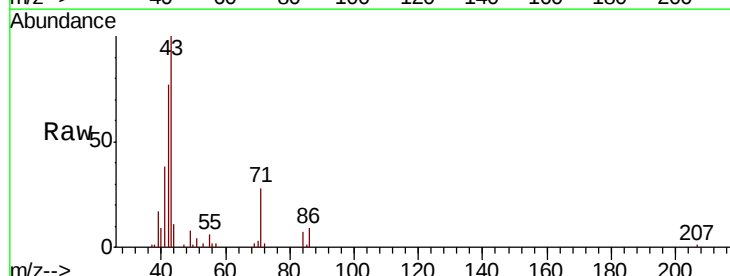
Tgt Ion: 41 Resp: 14983

Ion Ratio Lower Upper

41 100

39 0.0 54.1 81.1#

76 0.0 30.3 45.5#



Abundance Ion 41.00 (40.70 to 41.70): VN053115.D (-702) (-)

Ion 39.00 (38.70 to 39.70): VN053115.D (-702) (-)

Ion 75.90 (75.60 to 76.60): VN053115.D (-702) (-)

20000

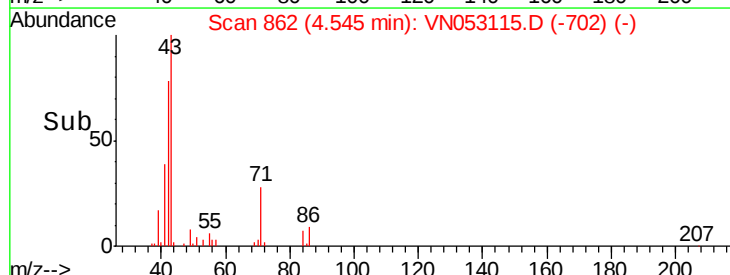
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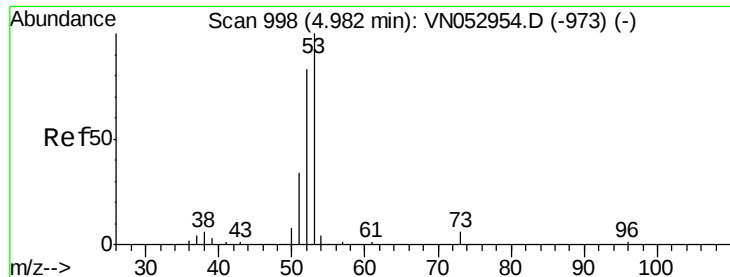
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 0.950 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.07 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

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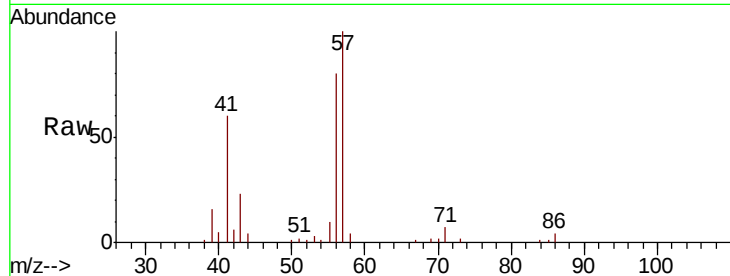
Tot Ion: 53 Resp: 4242

Ion Ratio Lower Upper

53 100

52 4.9 65.1 97.7#

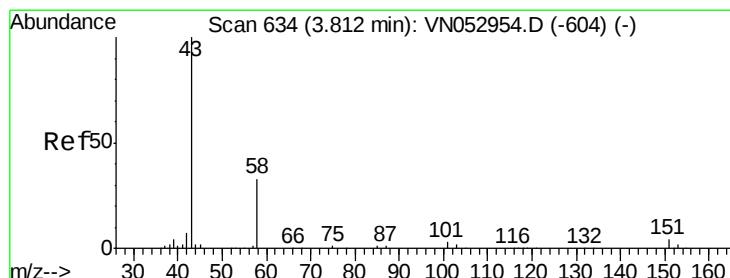
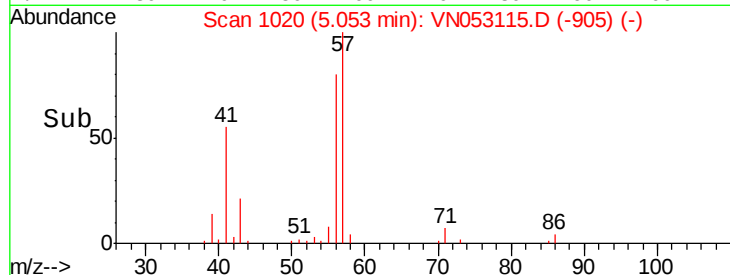
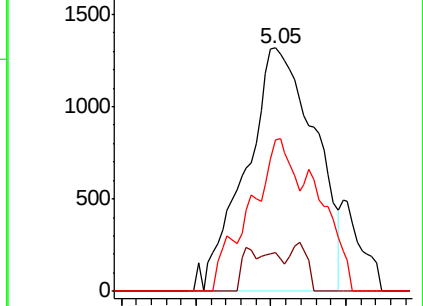
51 41.2 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 1.211 ug/l

RT: 3.80 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN053115.D

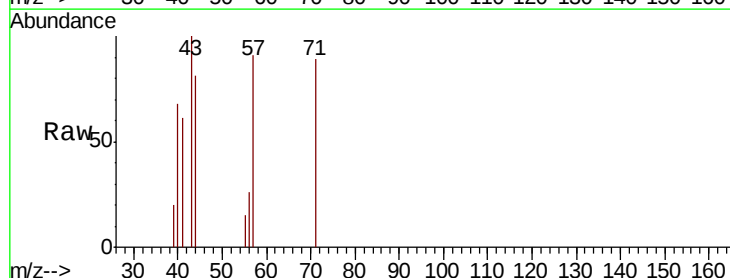
Acq: 21 Dec 2018 21:09

Tgt Ion: 43 Resp: 3128

Ion Ratio Lower Upper

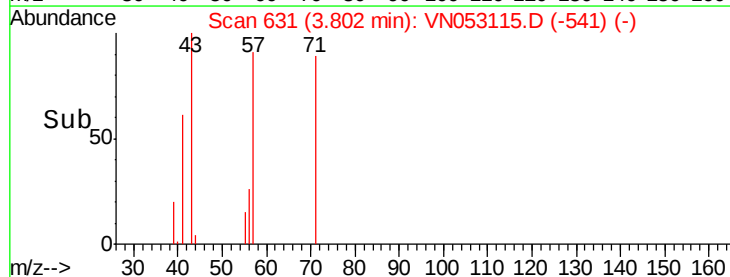
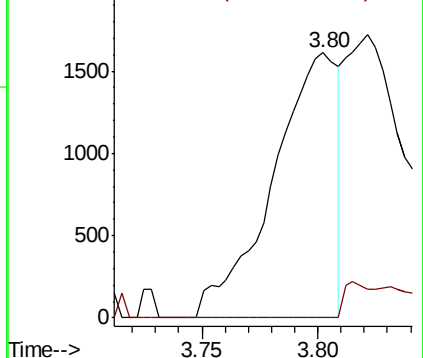
43 100

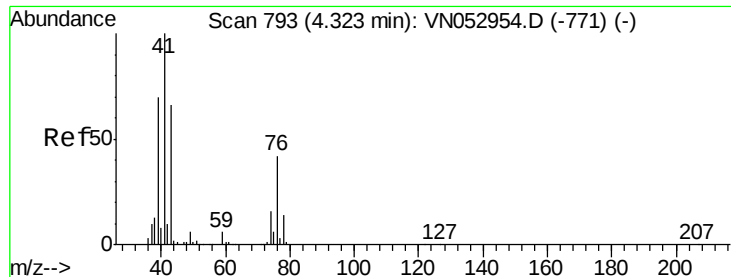
58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

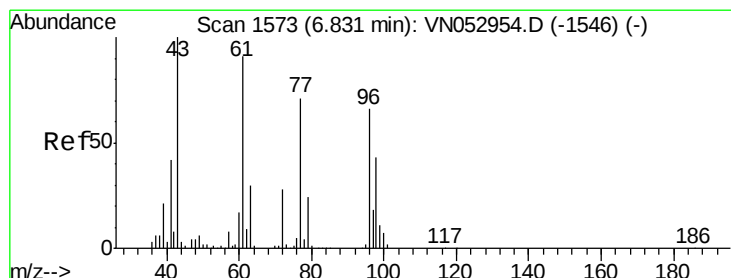
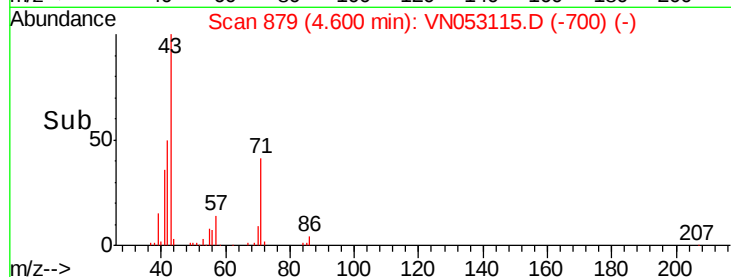
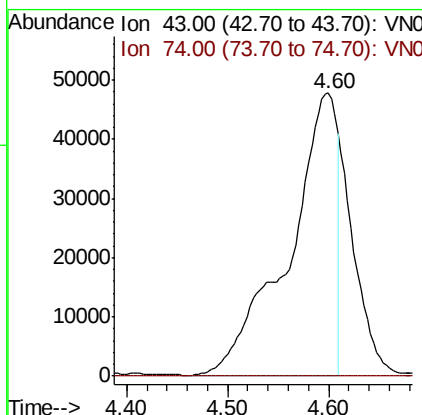
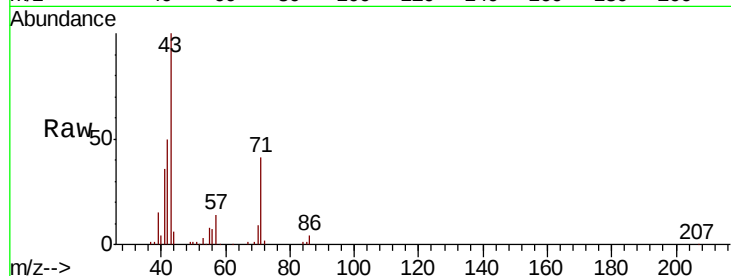




#18
Methvl Acetate
Concen: 14.184 ug/l
RT: 4.60 min Scan# 879
Delta R.T. 0.28 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

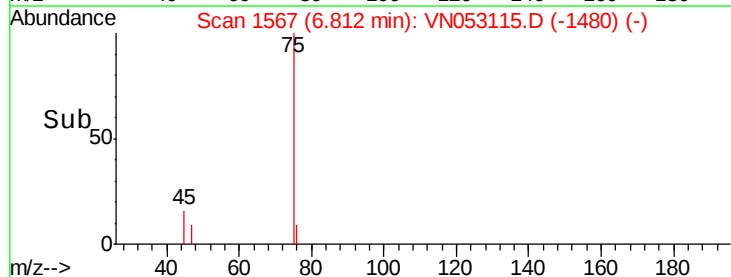
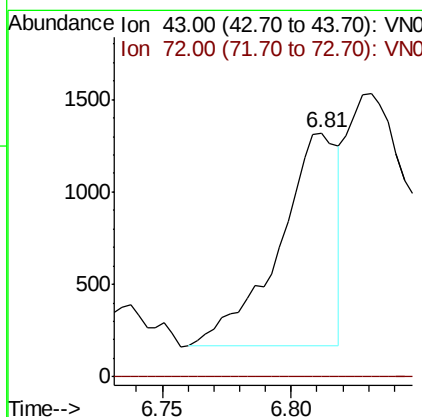
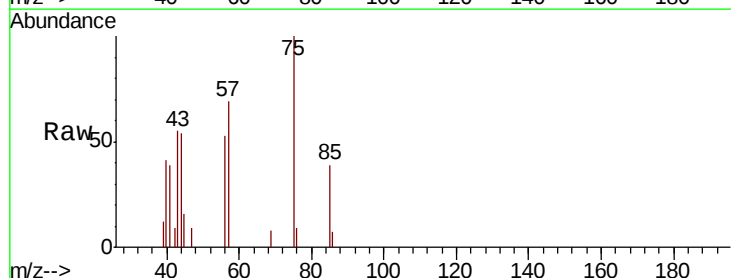
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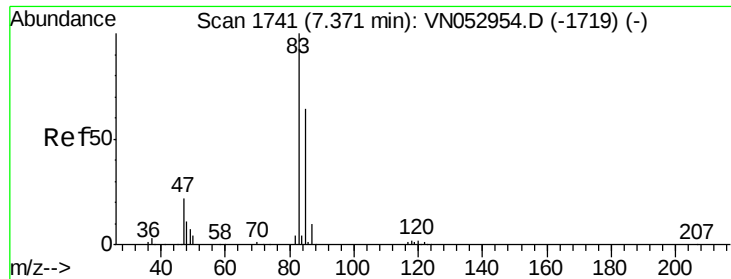
Tot Ion: 43 Resp: 157734
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.424 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

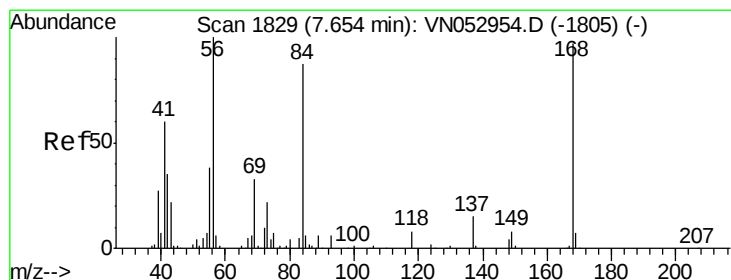
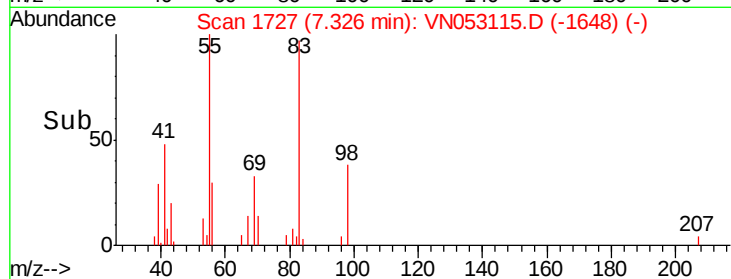
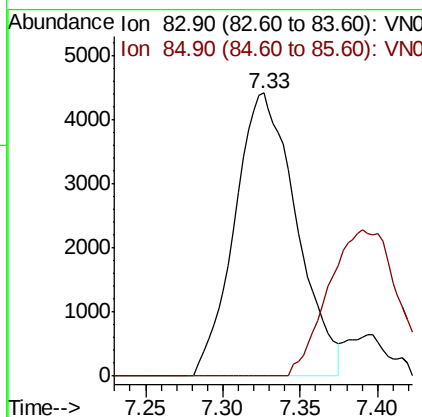
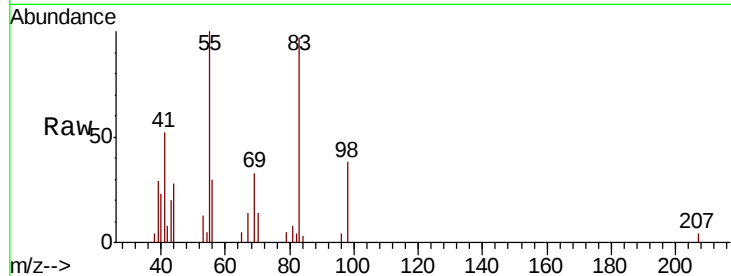




#30
Chloroform
Concen: 0.514 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.05 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

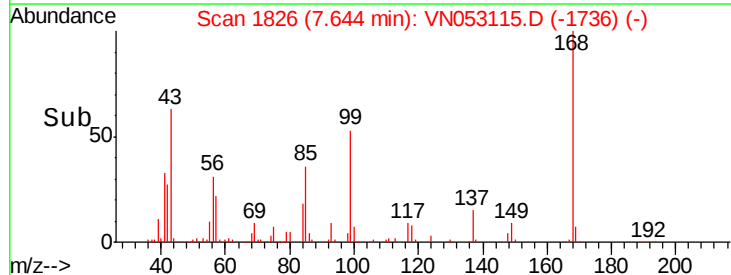
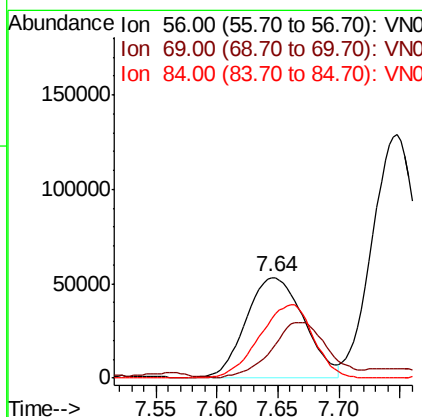
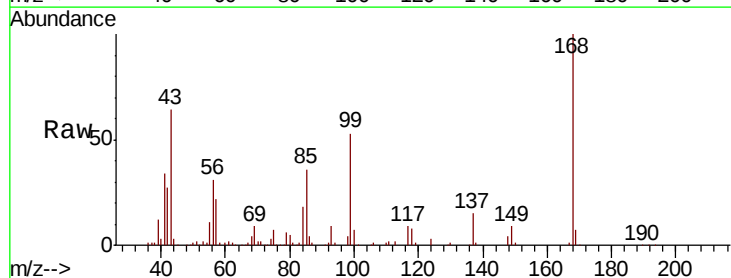
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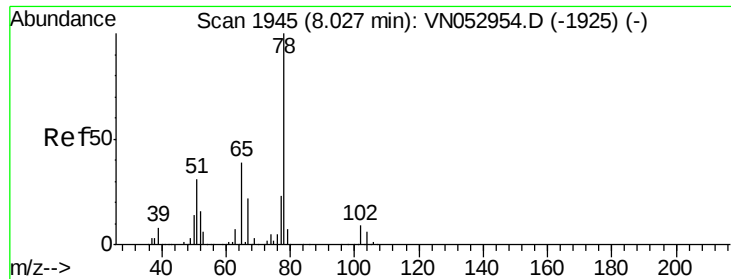
Tot Ion: 83 Resp: 12265
Ion Ratio Lower Upper
83 100
85 0.0 52.1 78.1#



#31
Cyclohexane
Concen: 6.756 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 56 Resp: 174697
Ion Ratio Lower Upper
56 100
69 25.1 26.6 39.8#
84 58.7 68.4 102.6#

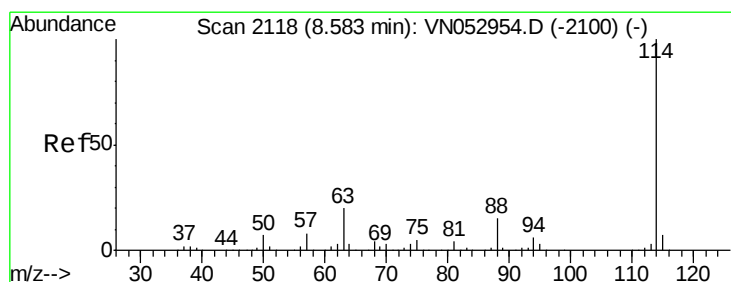
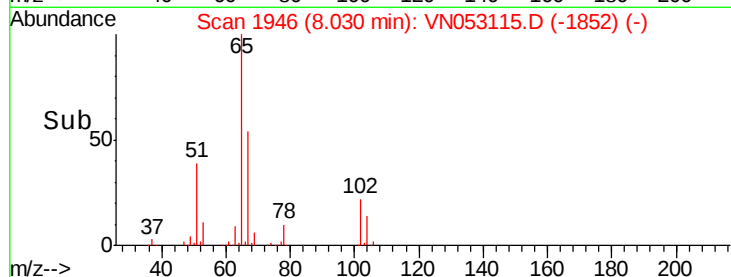
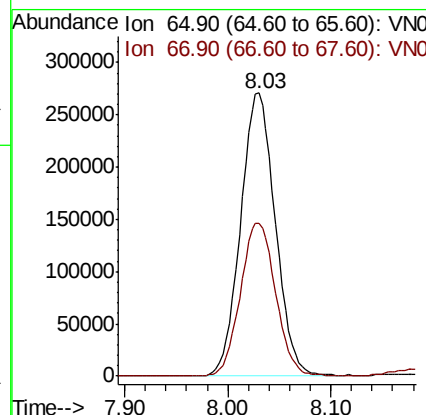
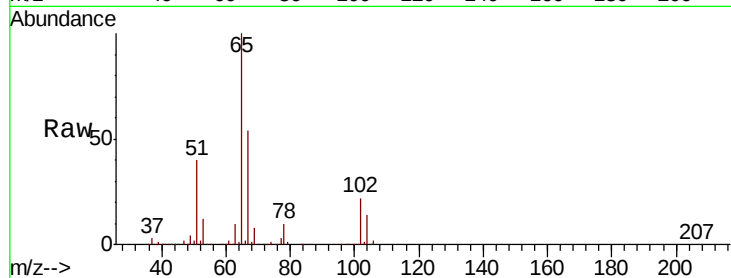




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

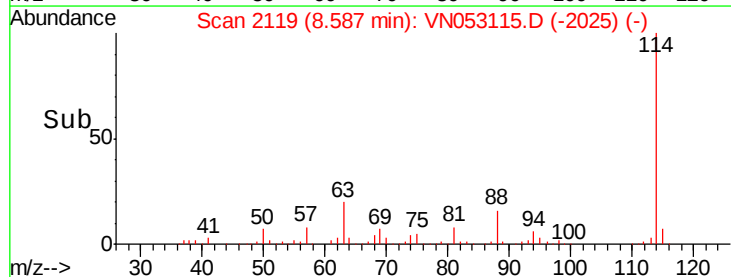
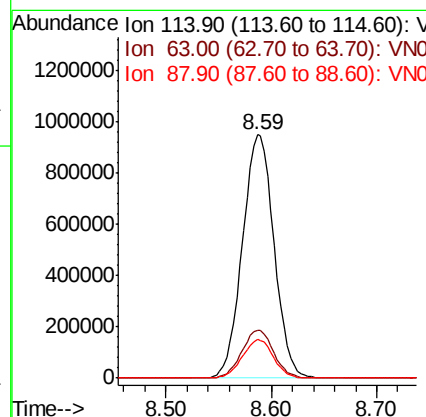
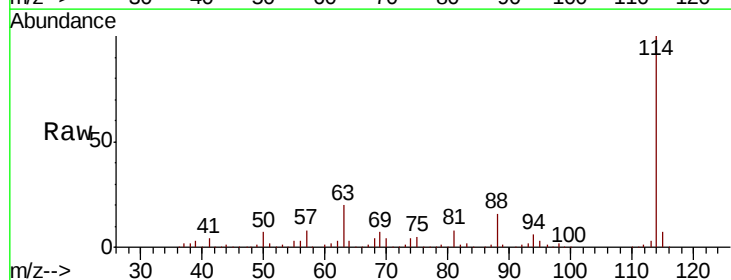
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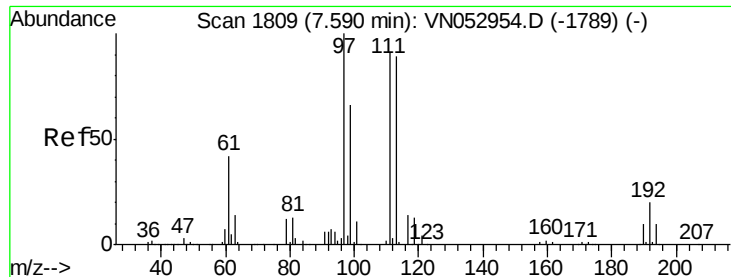
Tot Ion: 65 Resp: 633461
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Tgt Ion: 114 Resp: 1971579
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.8 0.0 31.0

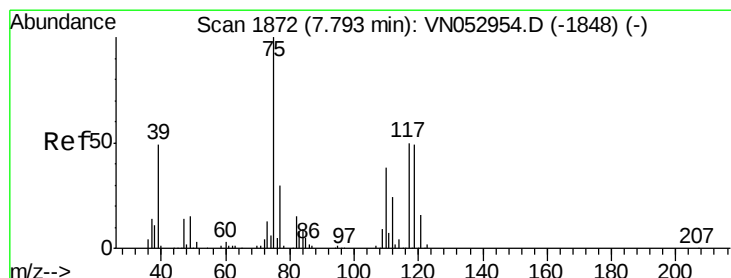
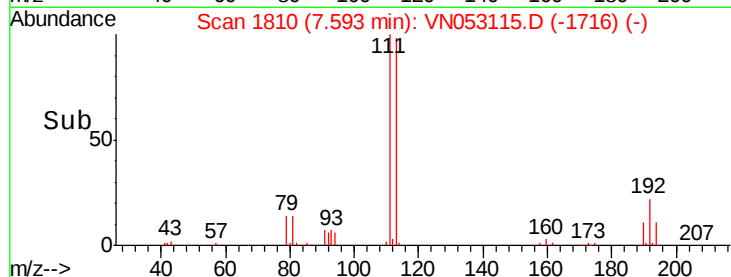
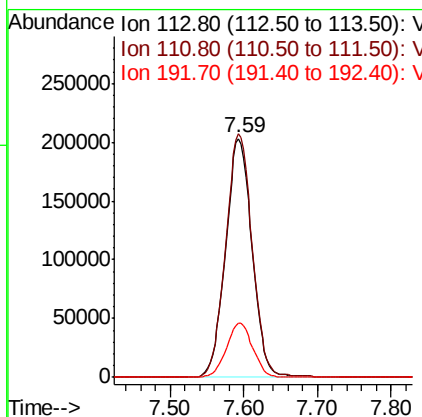
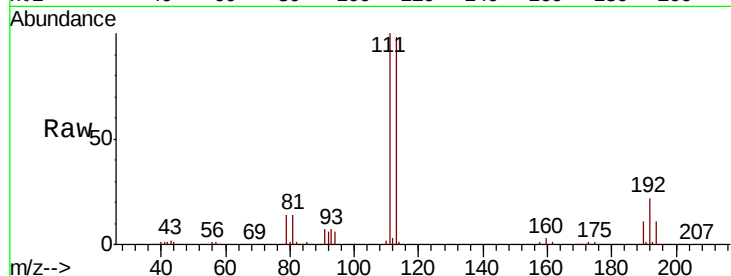




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

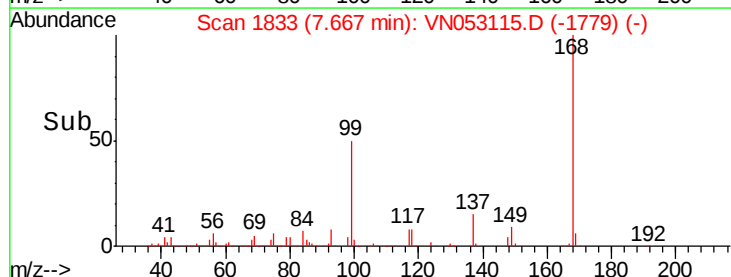
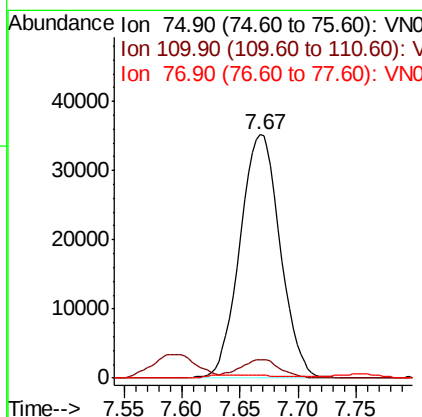
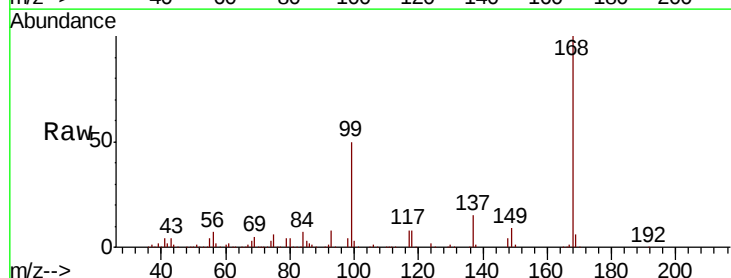
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 ClientSampleId :
 KY001SB104-121218(18-20)ME

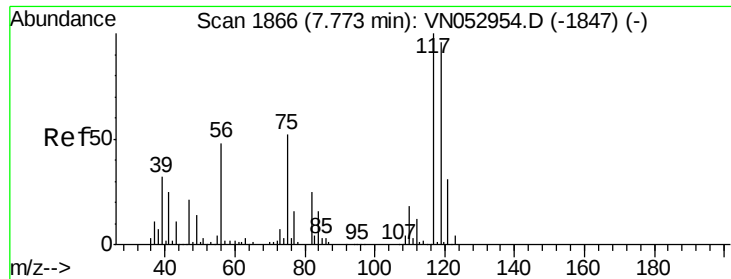
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	22.6	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.489 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.372 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.10 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

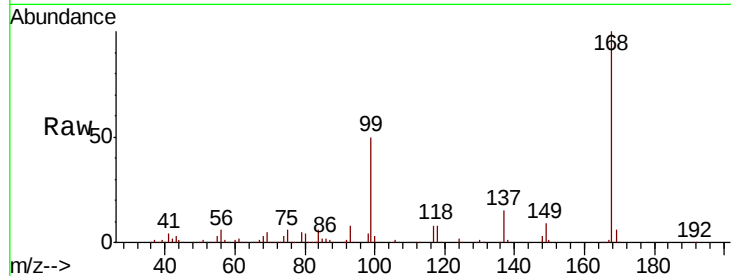
Tot Ion:117 Resp: 110519

Ion Ratio Lower Upper

117 100

119 4.1 77.1 115.7#

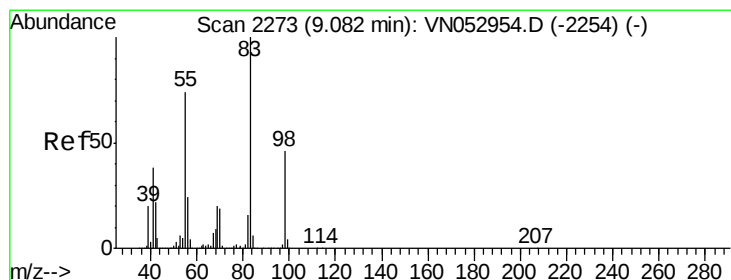
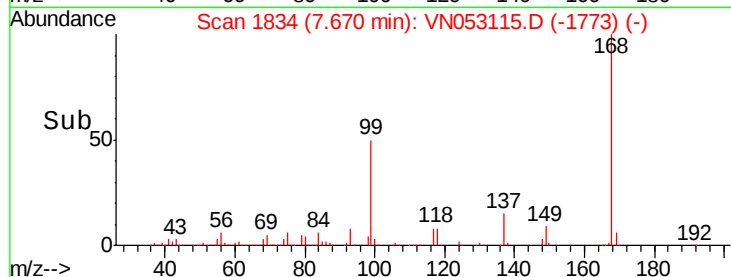
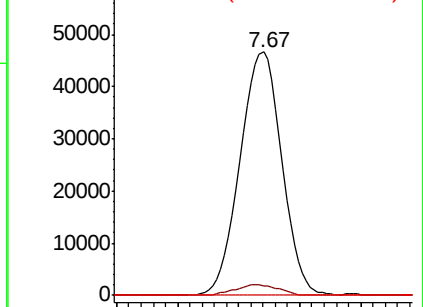
121 0.0 24.9 37.3#



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: 13.511 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

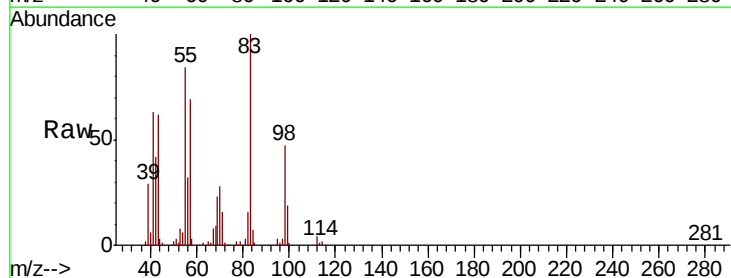
Tgt Ion: 83 Resp: 310597

Ion Ratio Lower Upper

83 100

55 83.8 61.3 91.9

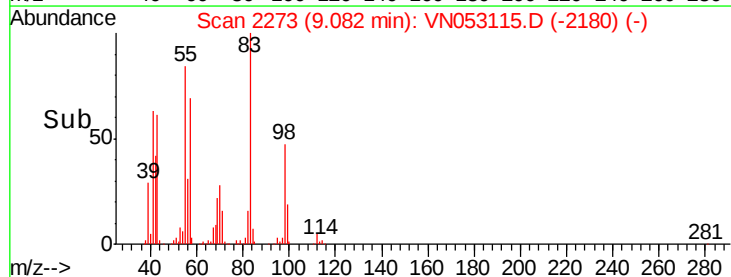
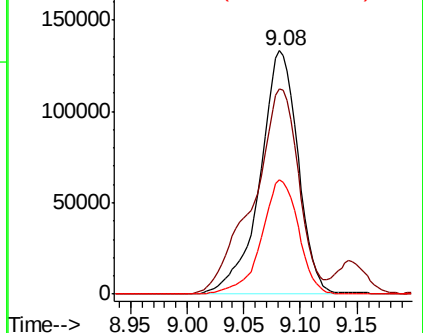
98 46.7 37.0 55.4

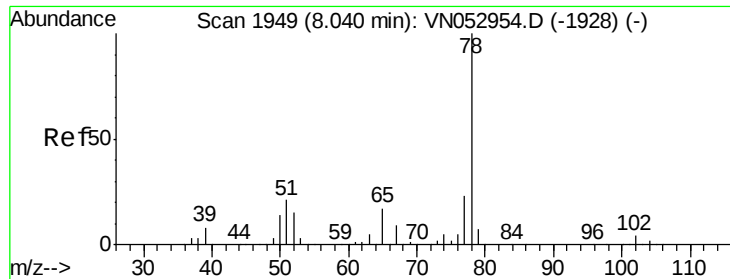


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.765 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.01 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

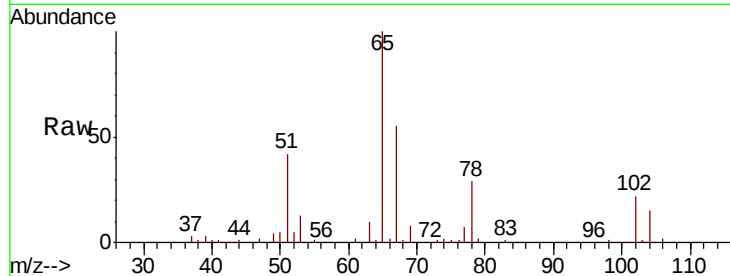
KY001SB104-121218(18-20)ME

Tot Ion: 78 Resp: 99359

Ion Ratio Lower Upper

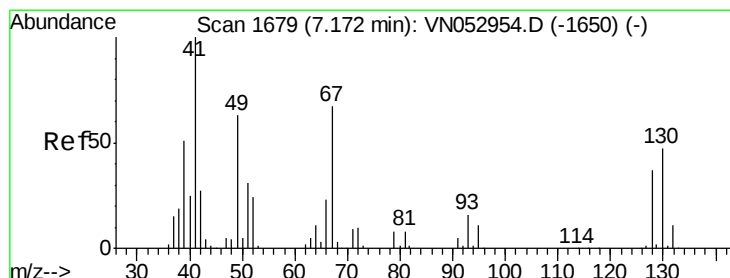
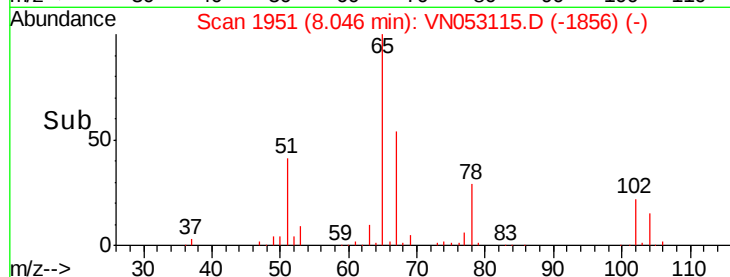
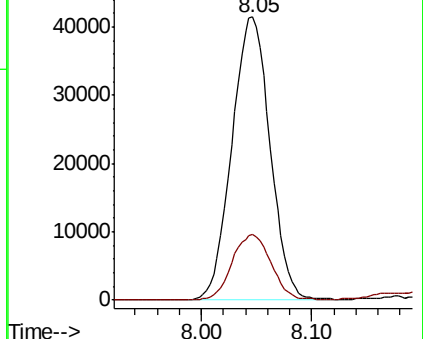
78 100

77 23.1 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.603 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Tgt Ion: 41 Resp: 3679

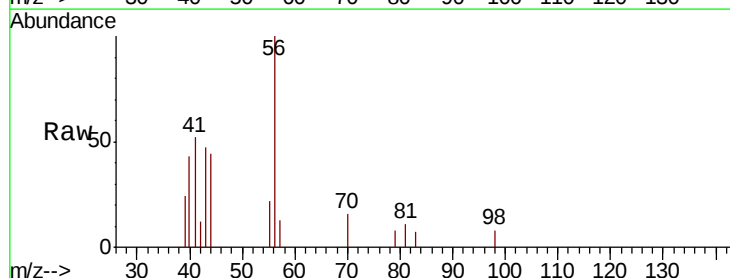
Ion Ratio Lower Upper

41 100

39 0.0 48.0 72.0#

67 0.0 70.3 105.5#

52 0.0 26.9 40.3#

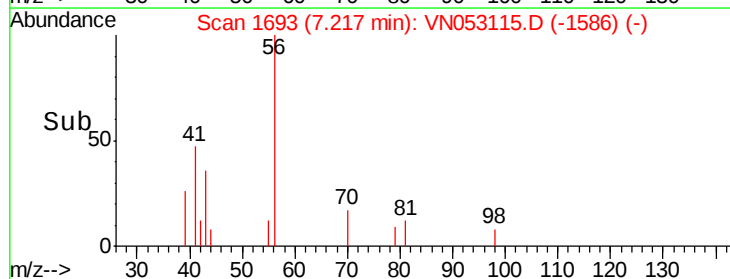
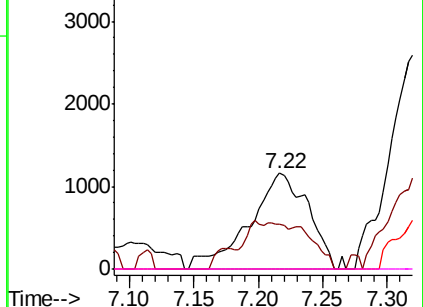


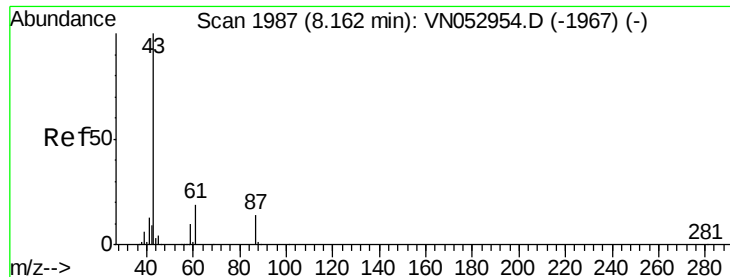
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#43

Isopropyl Acetate

Concen: 1.044 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

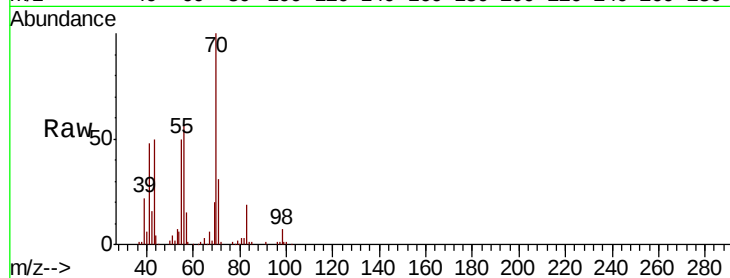
Tot Ion: 43 Resp: 42260

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

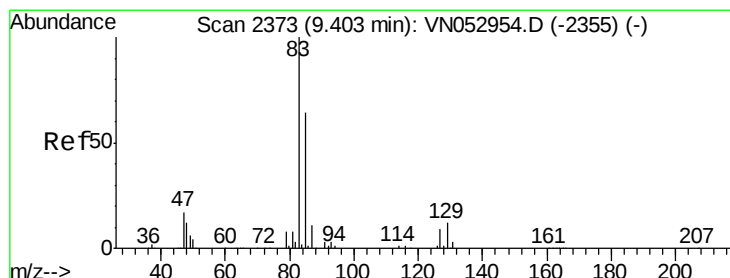
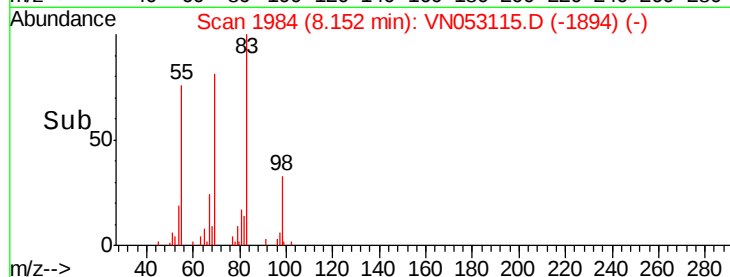
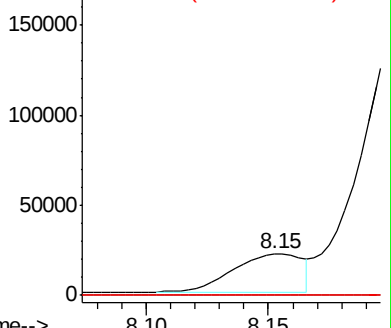
87 0.0 10.6 15.8#



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



#47

Bromodichloromethane

Concen: 1.609 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

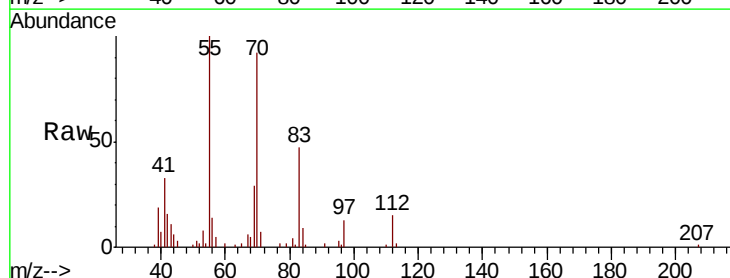
Tgt Ion: 83 Resp: 29214

Ion Ratio Lower Upper

83 100

85 1.7 51.6 77.4#

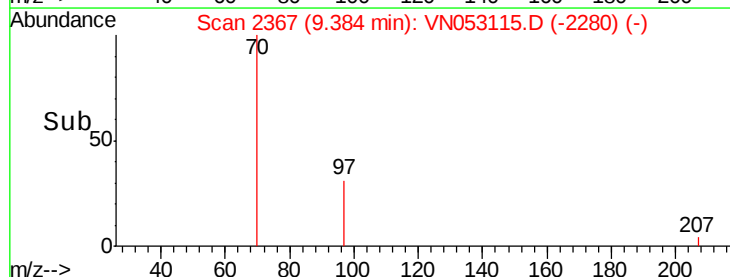
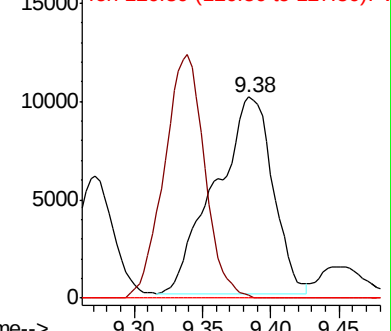
127 0.0 7.1 10.7#

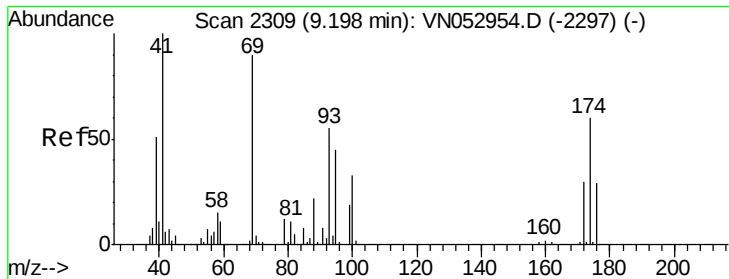


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

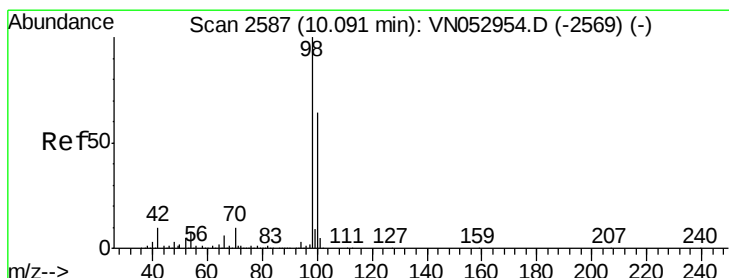
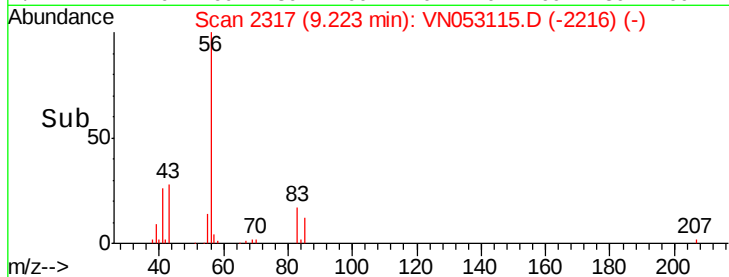
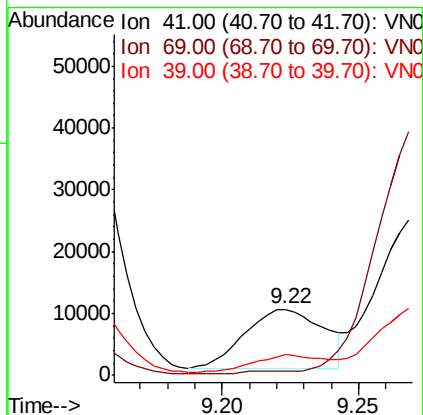
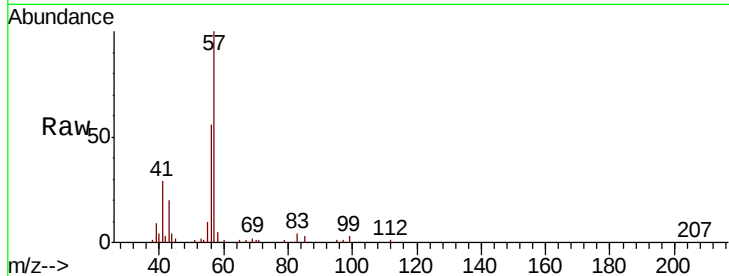




#48
Methyl methacrylate
Concen: 1.872 ug/l
RT: 9.22 min Scan# 2317
Delta R.T. 0.03 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

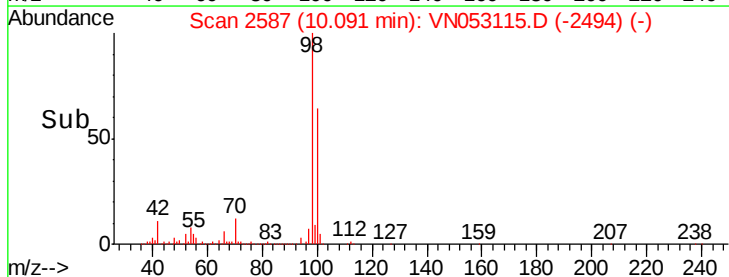
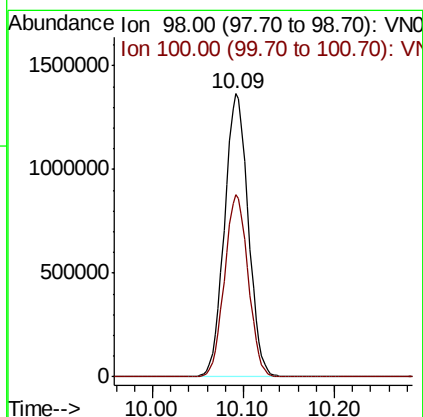
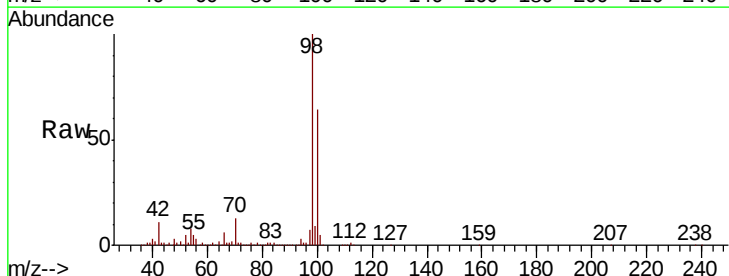
Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

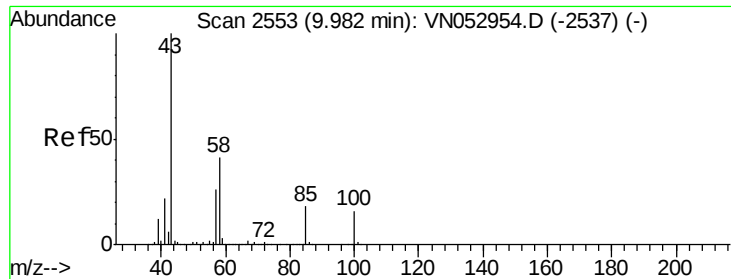
Tot Ion: 41 Resp: 19193
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 26.2 41.9 62.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 98 Resp: 2477106
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 3.021 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

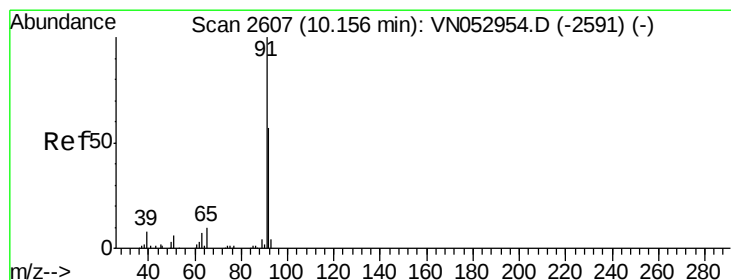
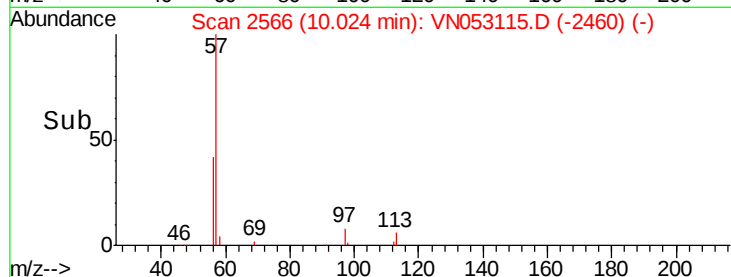
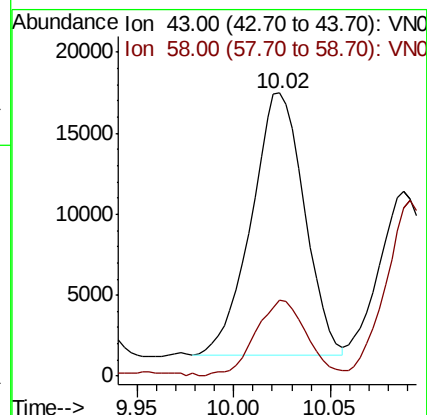
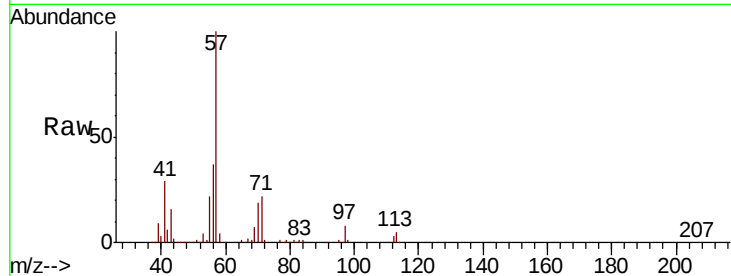
KY001SB104-121218(18-20)ME

Tot Ion: 43 Resp: 30909

Ion Ratio Lower Upper

43 100

58 28.0 32.2 48.4#



#52

Toluene

Concen: 103.289 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053115.D

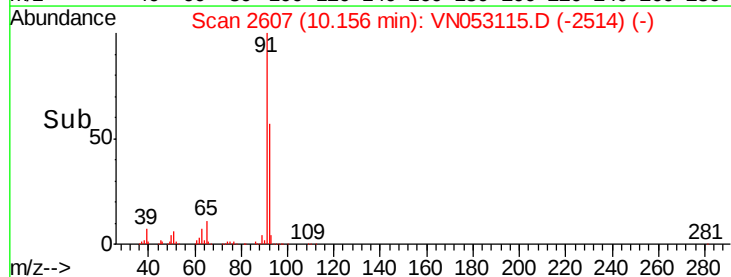
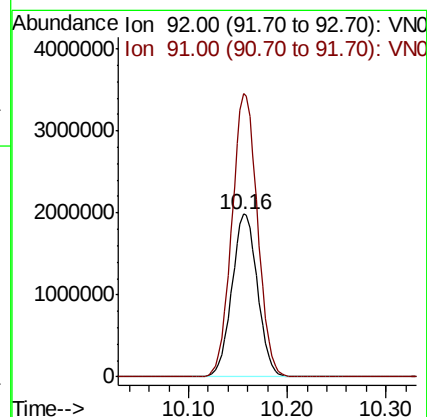
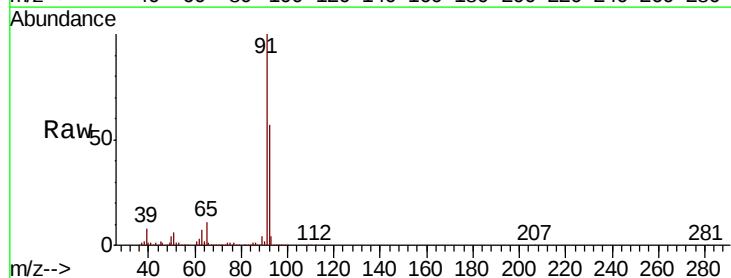
Acq: 21 Dec 2018 21:09

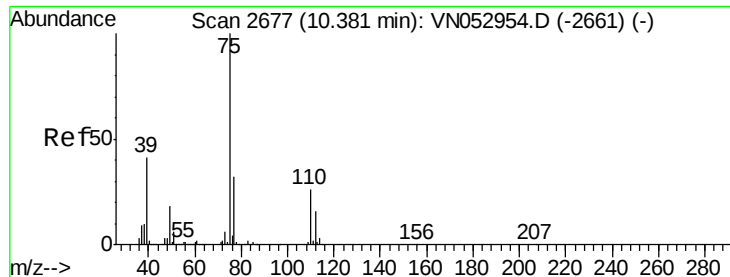
Tgt Ion: 92 Resp: 3603640

Ion Ratio Lower Upper

92 100

91 174.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 2.069 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

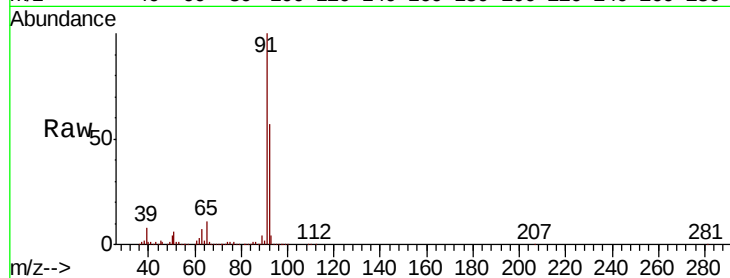
KY001SB104-121218(18-20)ME

Tot Ion: 75 Resp: 39505

Ion Ratio Lower Upper

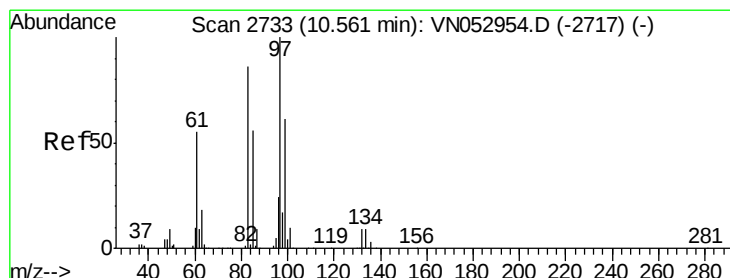
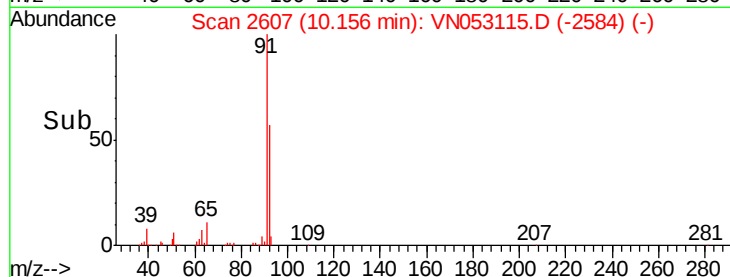
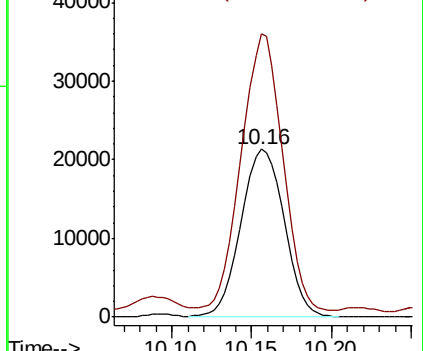
75 100

77 164.3 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#55

1,1,2-Trichloroethane

Concen: 10.132 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Tgt Ion: 97 Resp: 123319

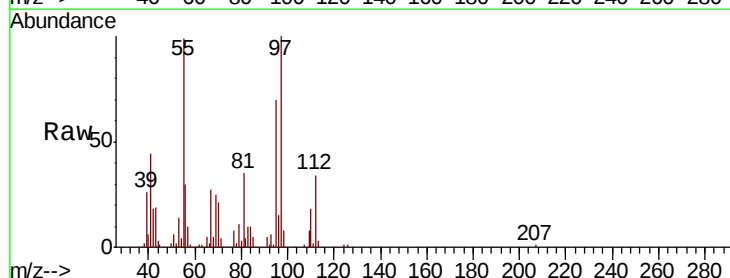
Ion Ratio Lower Upper

97 100

83 7.2 70.9 106.3#

85 5.1 45.4 68.2#

99 0.5 50.4 75.6#

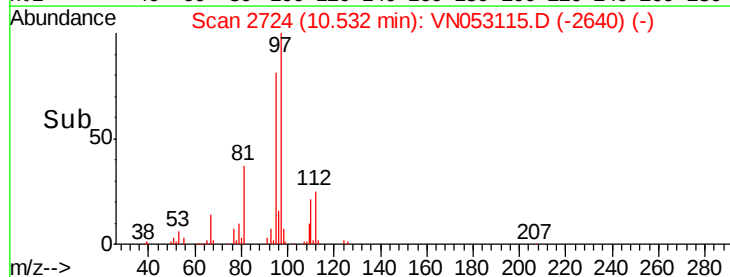
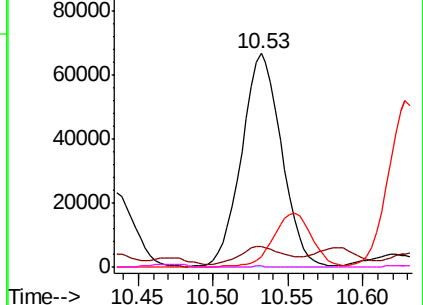


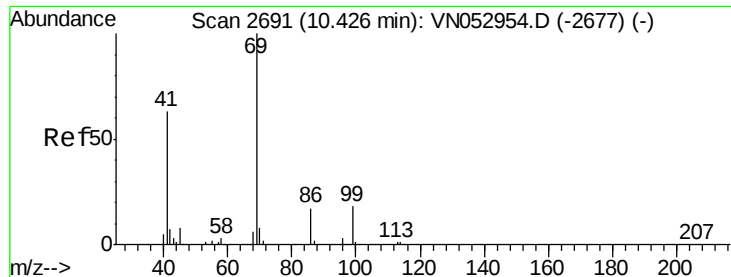
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#56

Ethyl methacrylate

Concen: 0.232 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.01 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

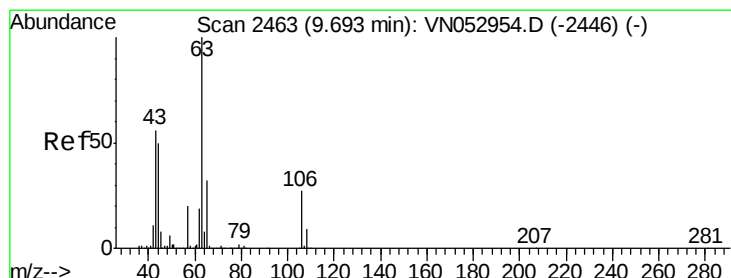
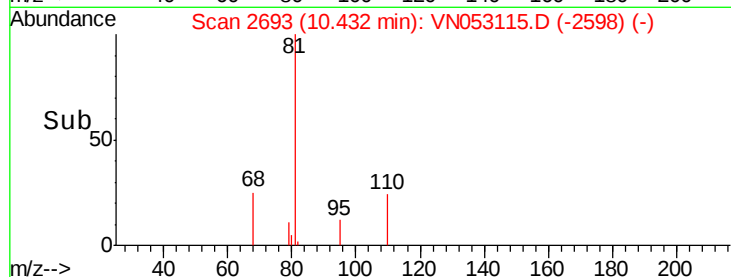
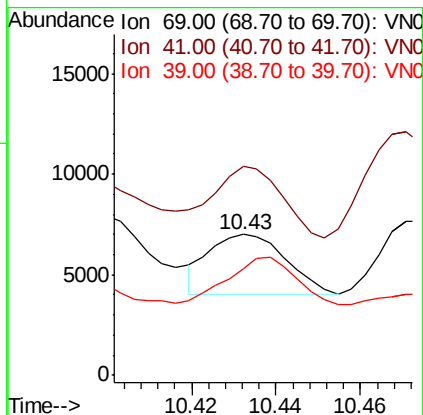
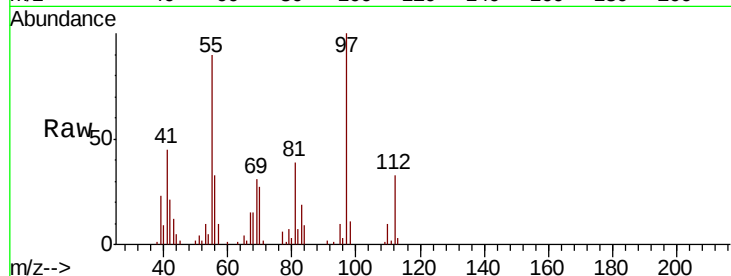
Tot Ion: 69 Resp: 3745

Ion Ratio Lower Upper

69 100

41 0.0 51.7 77.5#

39 0.0 24.6 37.0#



#58

2-Chloroethyl Vinyl ether

Concen: 0.209 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. -0.03 min

Lab File: VN053115.D

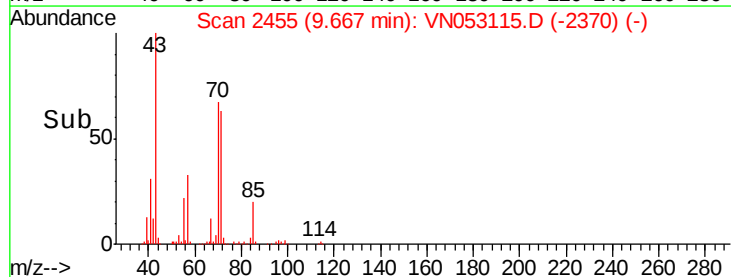
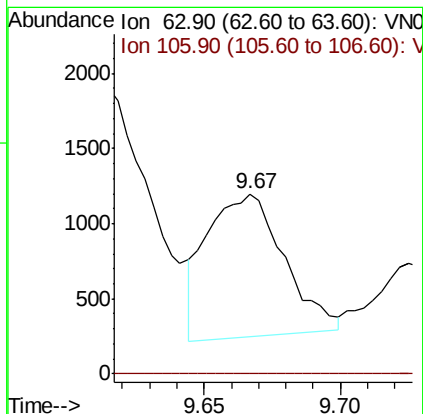
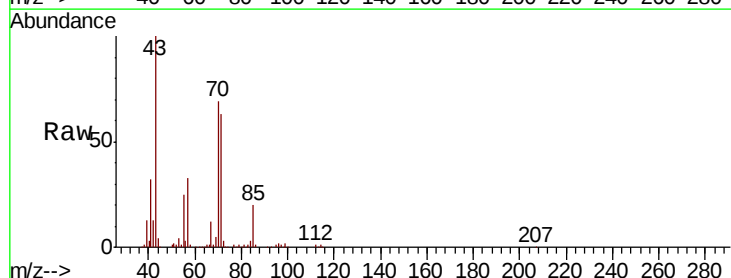
Acq: 21 Dec 2018 21:09

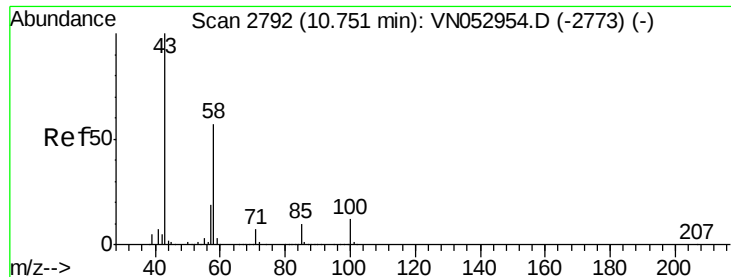
Tgt Ion: 63 Resp: 1851

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#

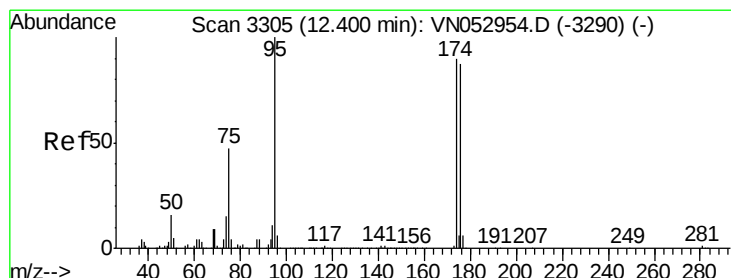
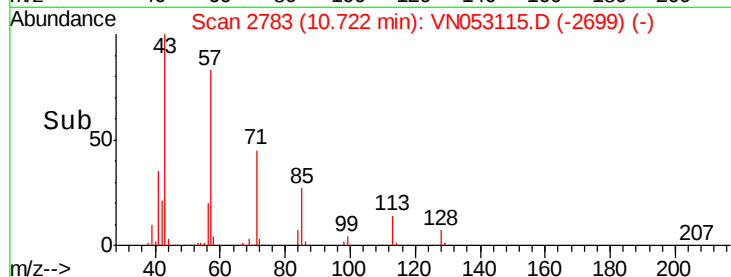
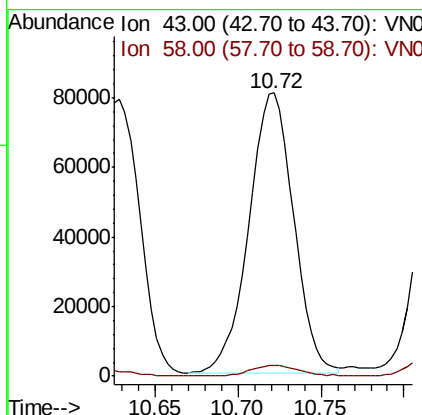
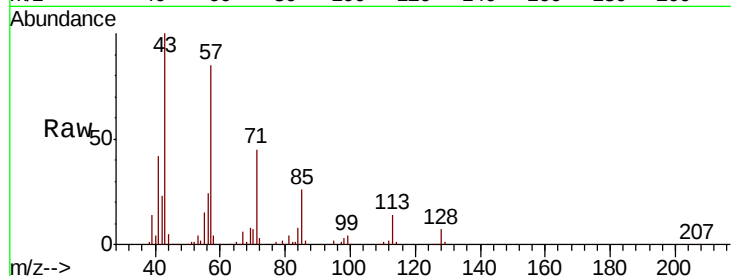




#59
2-Hexanone
Concen: 21.783 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

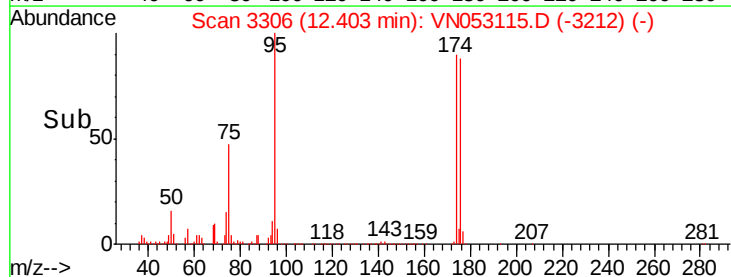
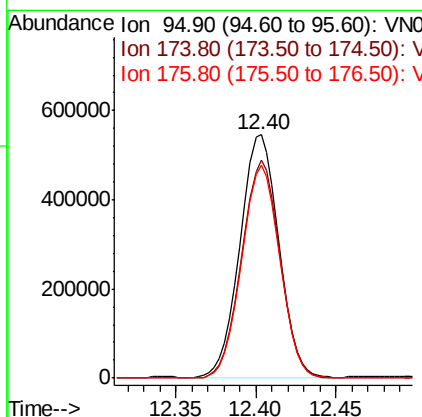
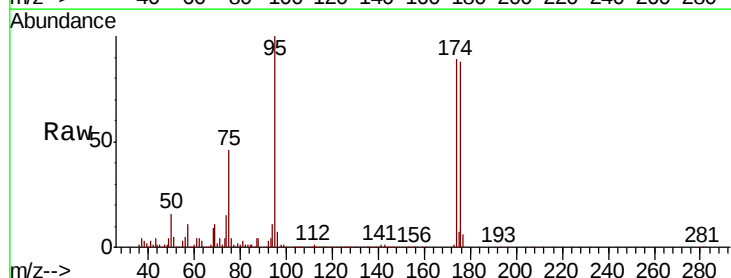
Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

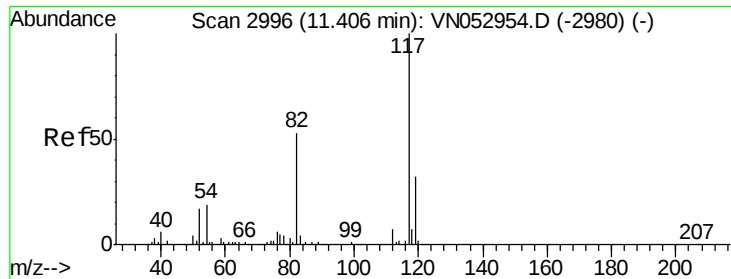
Tot Ion: 43 Resp: 150775
Ion Ratio Lower Upper
43 100
58 4.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 95 Resp: 895487
Ion Ratio Lower Upper
95 100
174 89.1 0.0 178.8
176 86.9 0.0 173.8

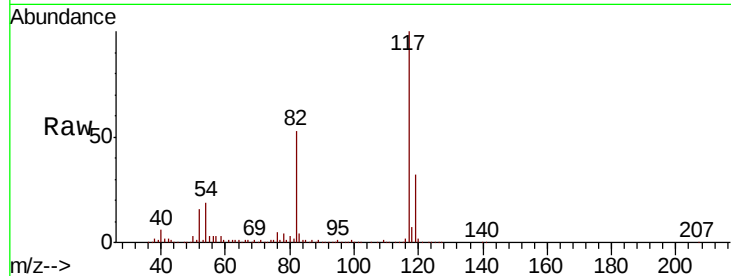




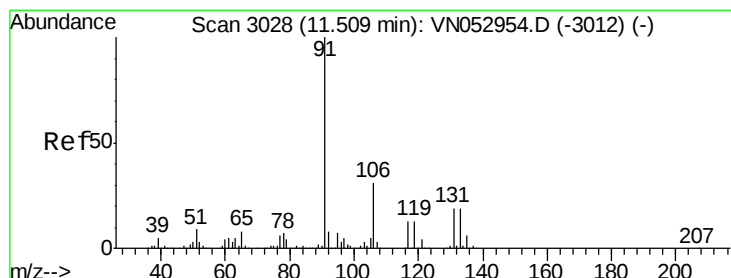
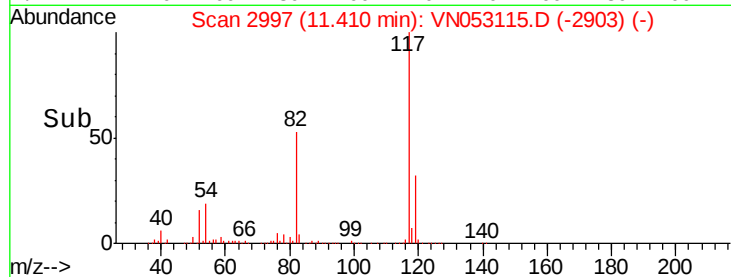
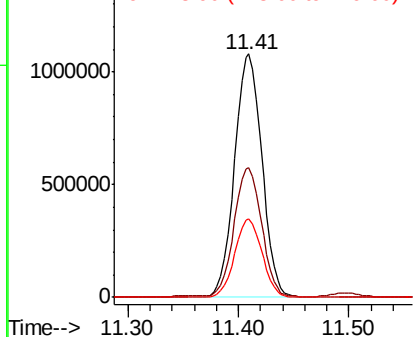
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

Tot Ion:117 Resp: 1858416
Ion Ratio Lower Upper
117 100
82 52.9 42.8 64.2
119 32.4 25.5 38.3

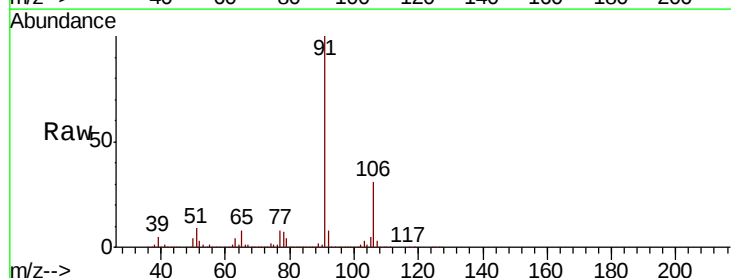


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

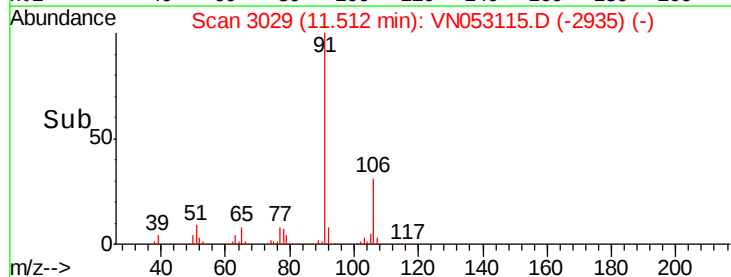
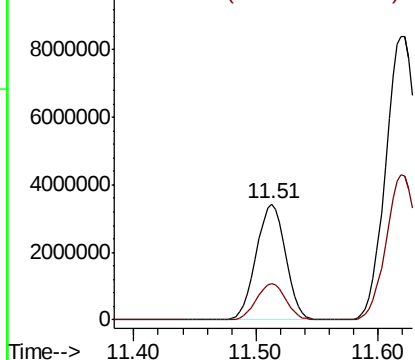


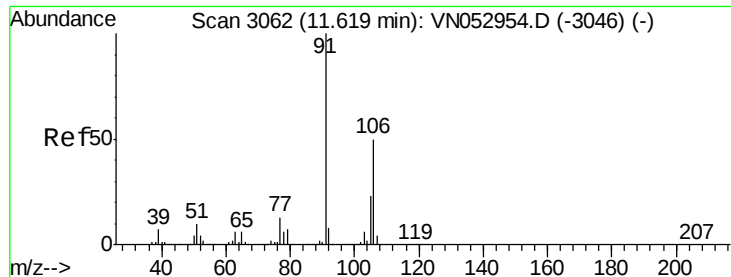
#67
Ethyl Benzene
Concen: 80.977 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 91 Resp: 5736925
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



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

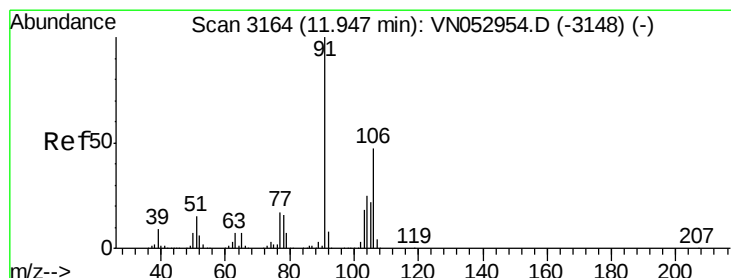
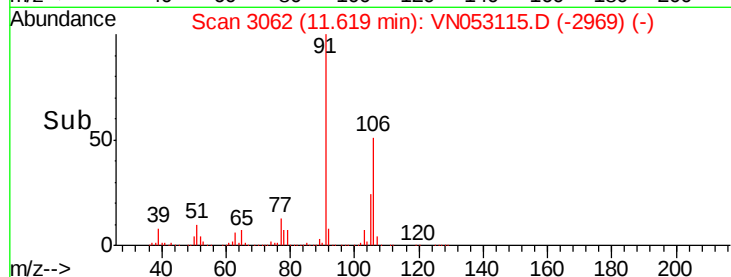
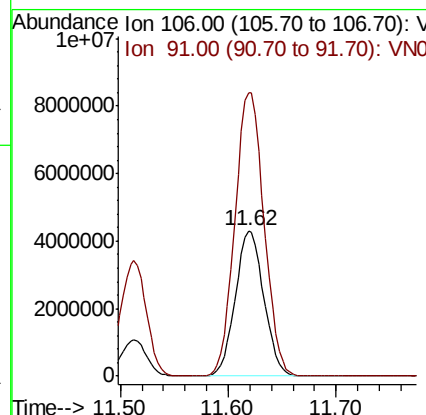
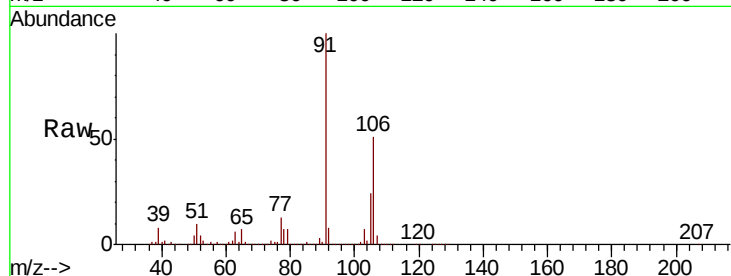




#68
m/p-Xylenes
Concen: 294.373 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

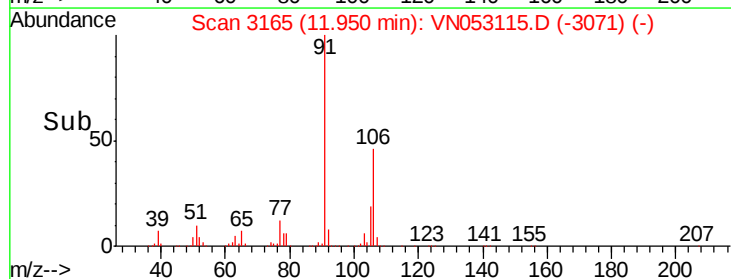
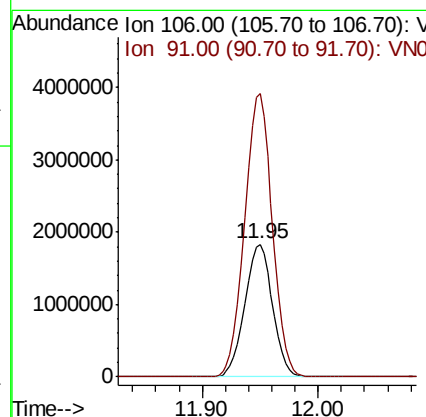
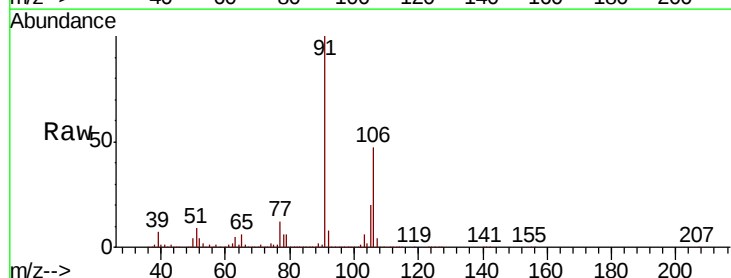
Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

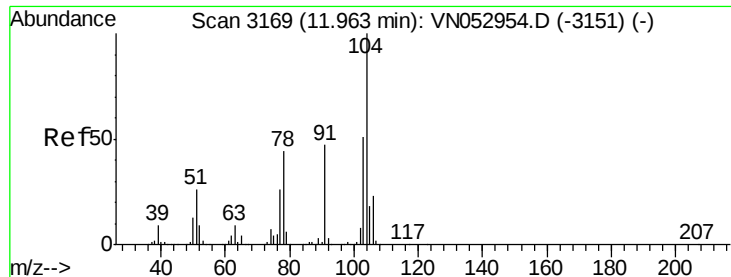
Tot Ion:106 Resp: 7928238
Ion Ratio Lower Upper
106 100
91 199.7 162.2 243.4



#69
o-Xylene
Concen: 117.403 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion:106 Resp: 3034158
Ion Ratio Lower Upper
106 100
91 213.1 106.6 319.8





#70

Stvrene

Concen: 3.535 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.01 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

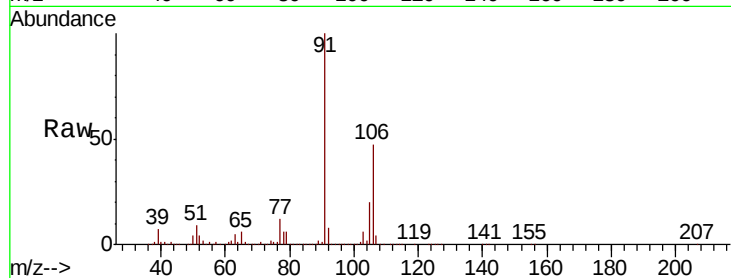
Tot Ion:104 Resp: 148980

Ion Ratio Lower Upper

104 100

78 275.4 38.9 58.3#

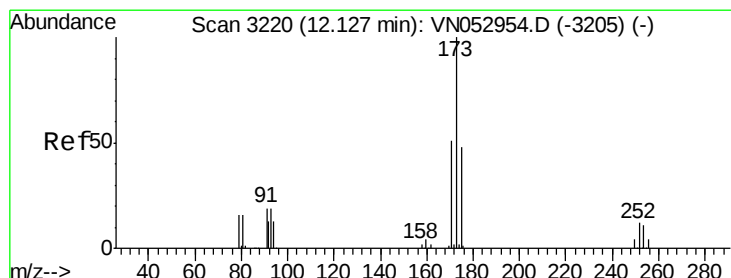
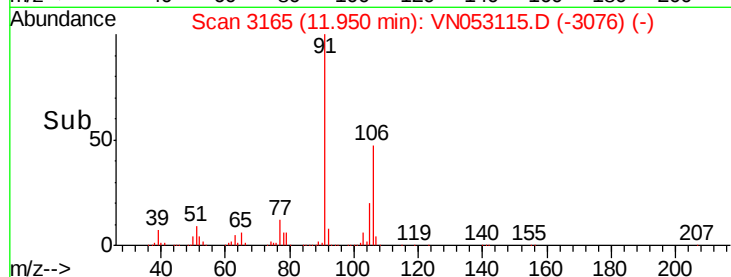
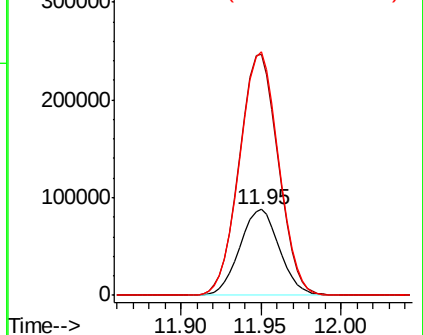
103 277.6 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

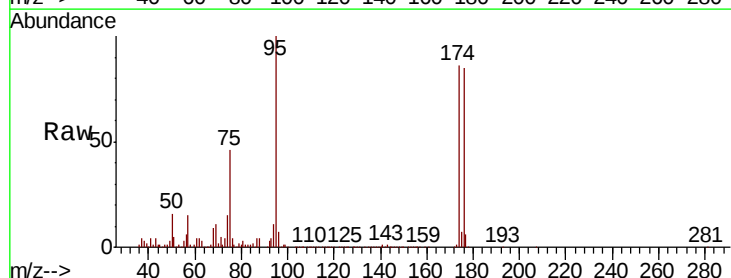
Tgt Ion:173 Resp: 5171

Ion Ratio Lower Upper

173 100

175 968.3 24.3 72.9#

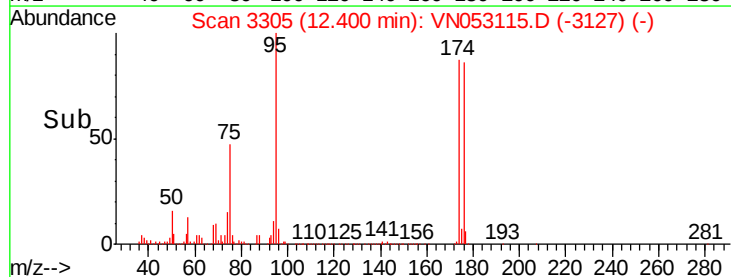
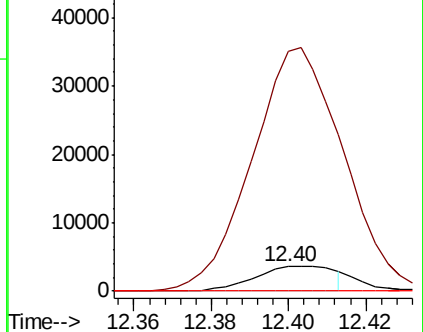
254 0.0 0.1 0.1#

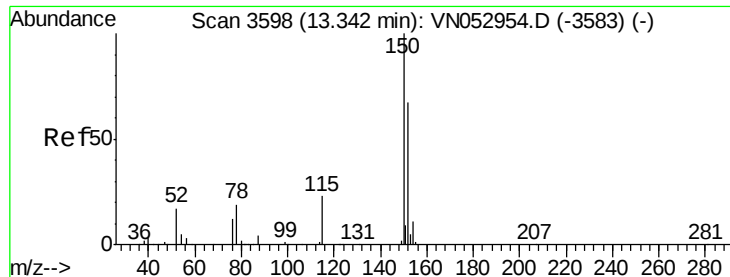


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

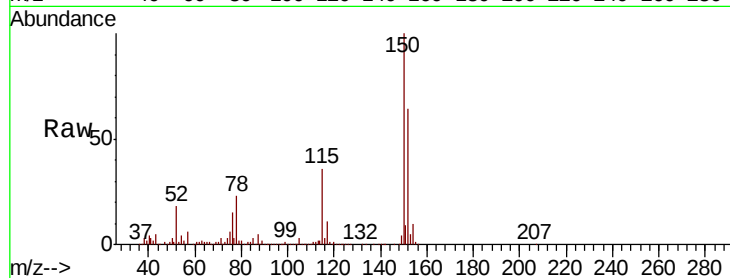
Tot Ion:152 Resp: 858094

Ion Ratio Lower Upper

152 100

115 64.0 28.3 85.0

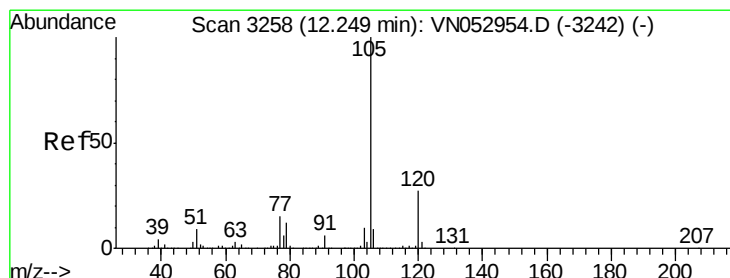
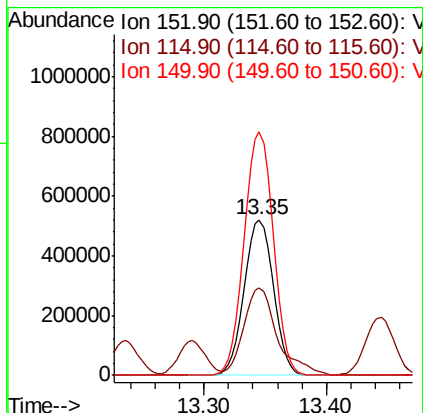
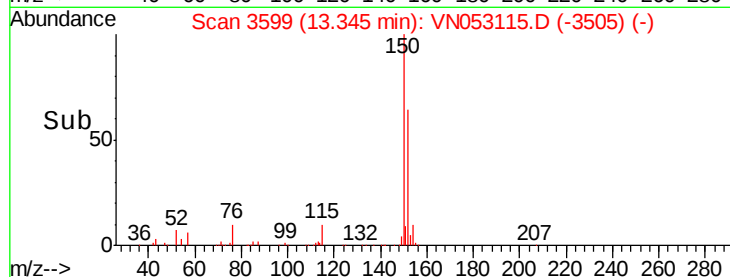
150 156.3 0.0 347.8



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: 18.814 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053115.D

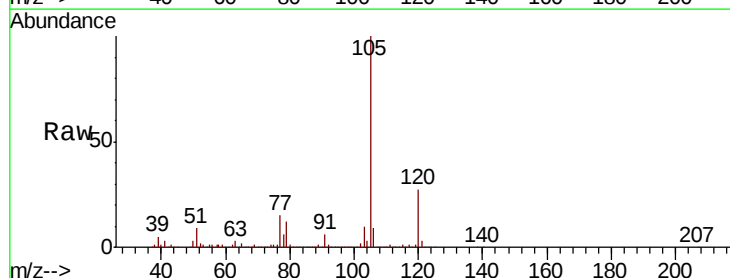
Acq: 21 Dec 2018 21:09

Tgt Ion:105 Resp: 1263168

Ion Ratio Lower Upper

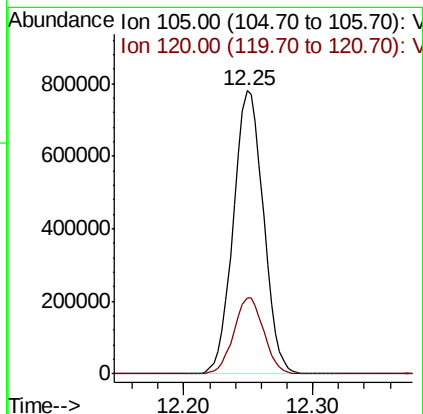
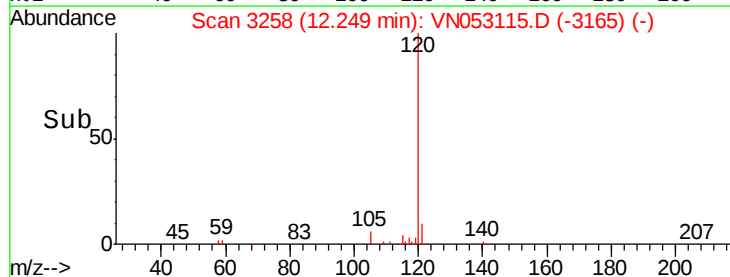
105 100

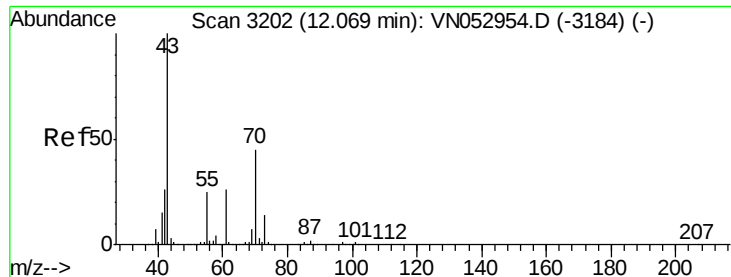
120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 4.553 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

KY001SB104-121218(18-20)ME

Tot Ion: 43 Resp: 84877

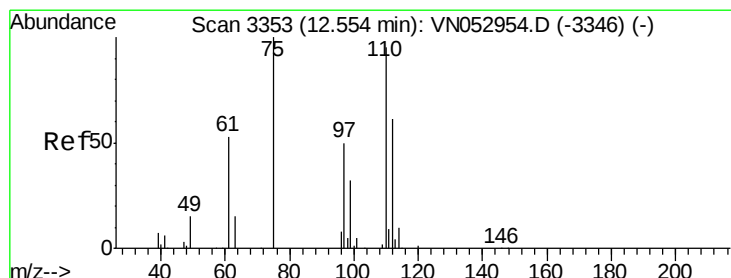
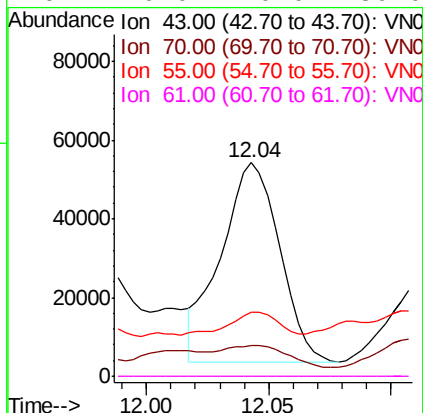
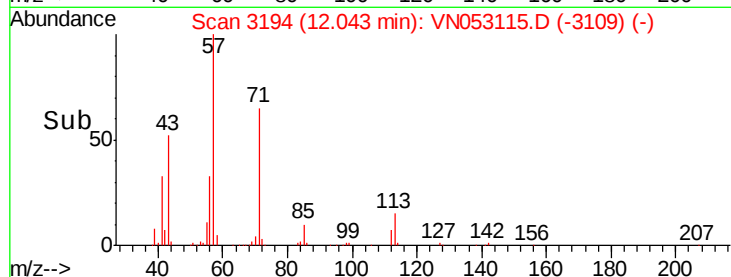
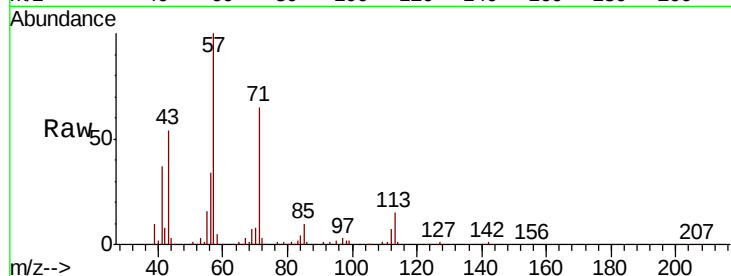
Ion Ratio Lower Upper

43 100

70 11.5 34.2 51.4#

55 7.6 20.3 30.5#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 2.779 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. 0.10 min

Lab File: VN053115.D

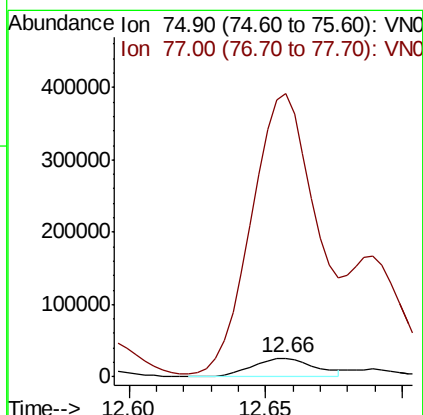
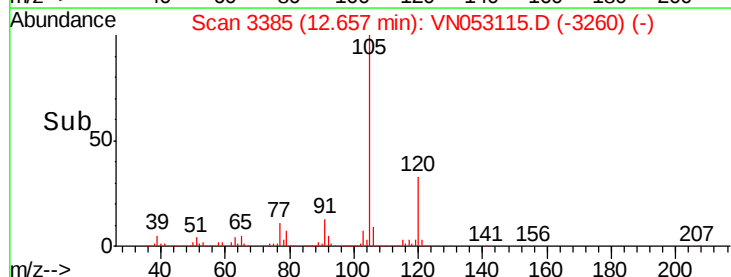
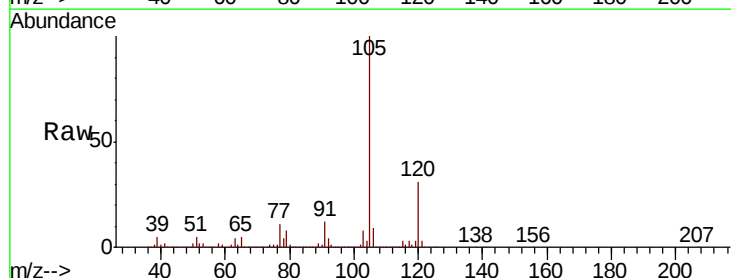
Acq: 21 Dec 2018 21:09

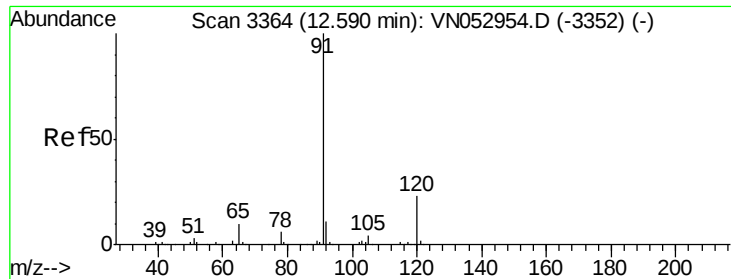
Tgt Ion: 75 Resp: 40138

Ion Ratio Lower Upper

75 100

77 1572.4 0.0 0.0#

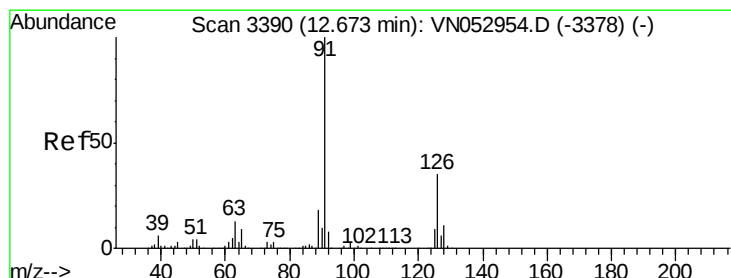
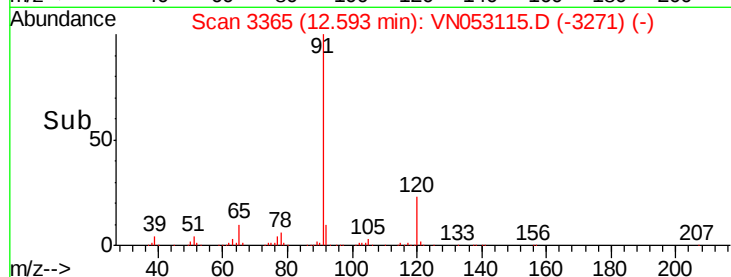
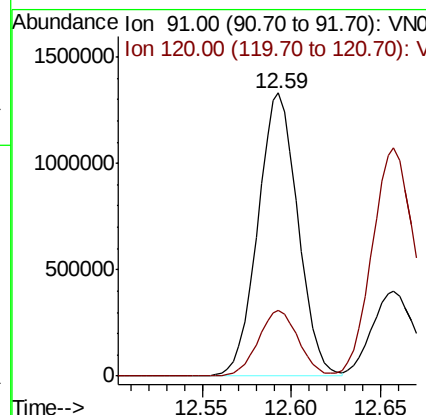
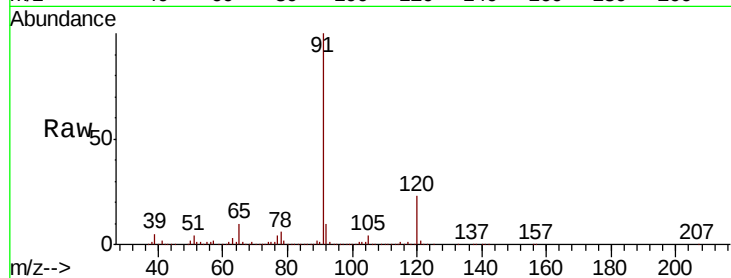




#78
n-propylbenzene
Concen: 27.271 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

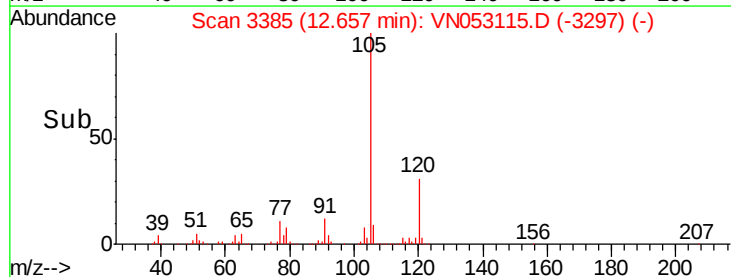
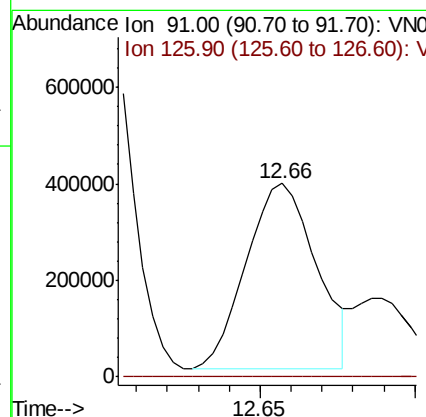
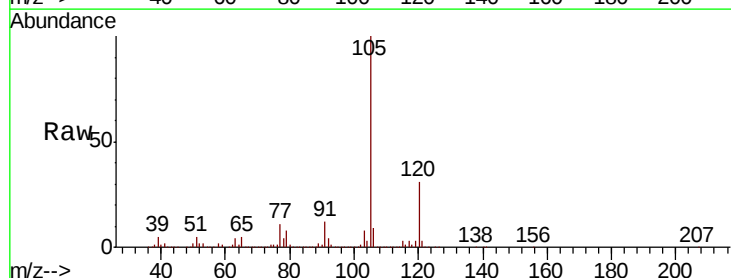
Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

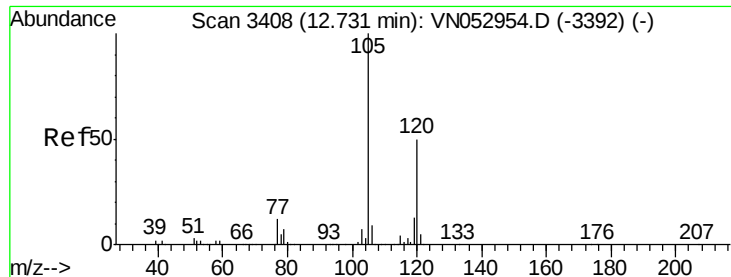
Tot Ion: 91 Resp: 2085301
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.5



#79
2-Chlorotoluene
Concen: 12.786 ug/l
RT: 12.66 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 91 Resp: 606004
Ion Ratio Lower Upper
91 100
126 0.1 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 43.241 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

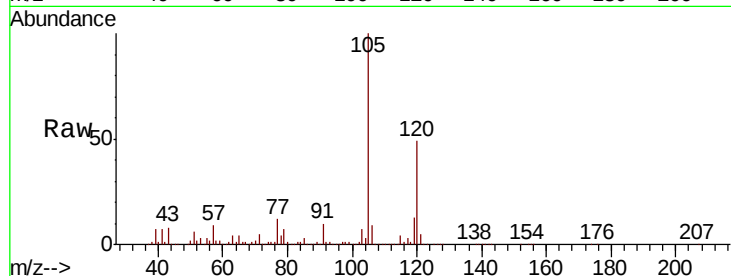
KY001SB104-121218(18-20)ME

Tot Ion:105 Resp: 2366303

Ion Ratio Lower Upper

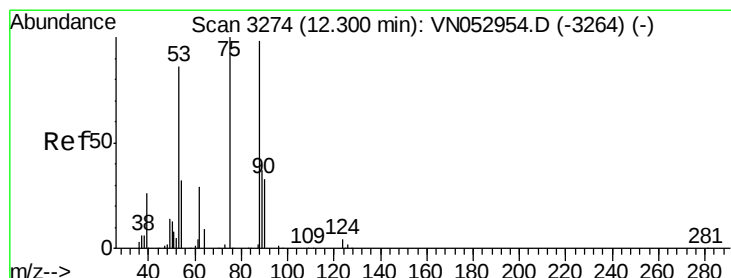
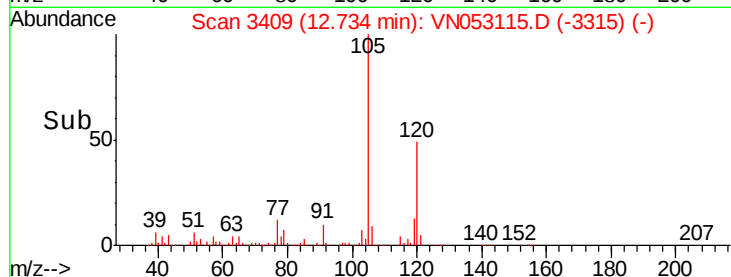
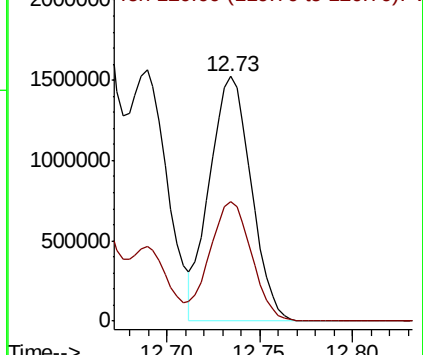
105 100

120 49.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 2.988 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

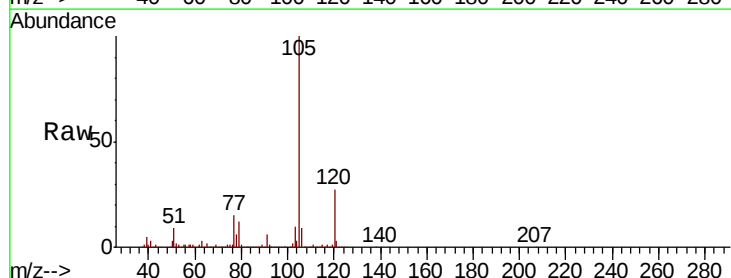
Tgt Ion: 75 Resp: 13391

Ion Ratio Lower Upper

75 100

53 102.0 74.7 112.1

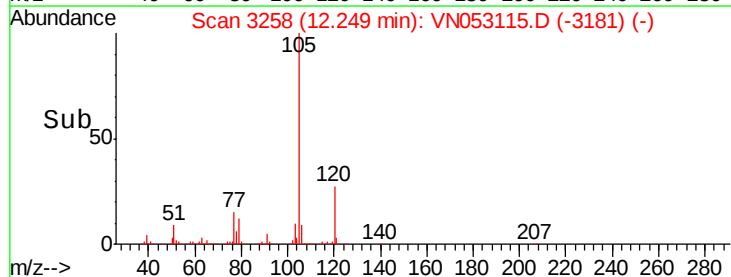
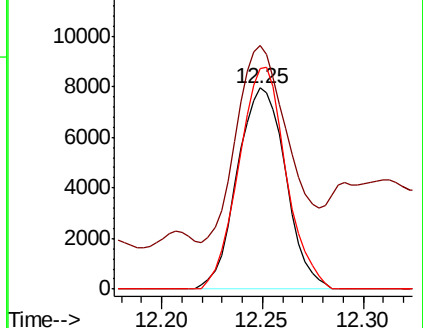
89 107.5 36.1 54.1#

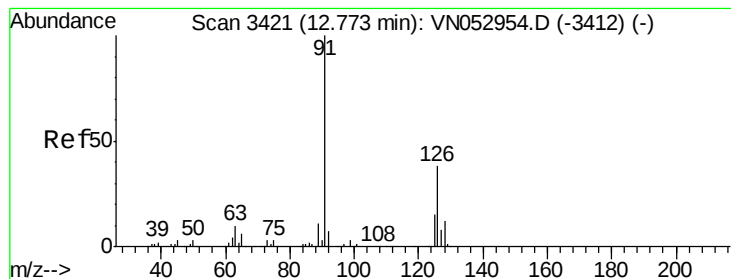


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 5.009 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

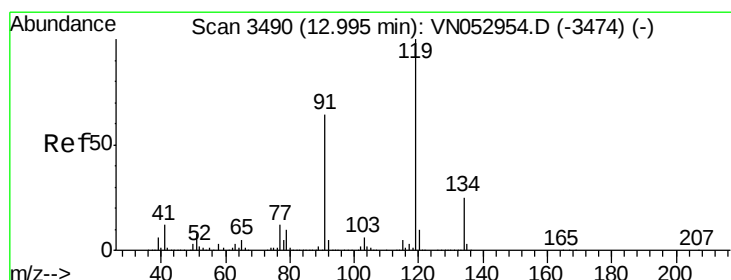
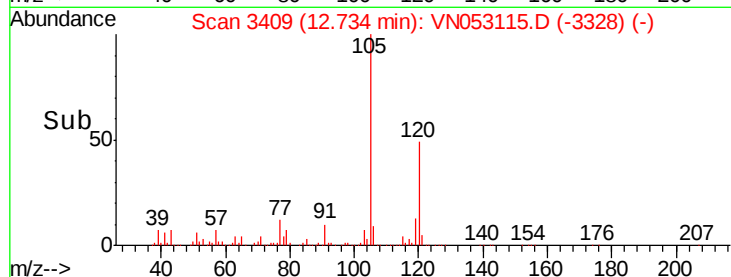
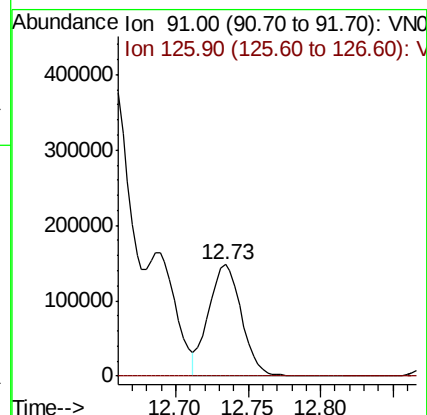
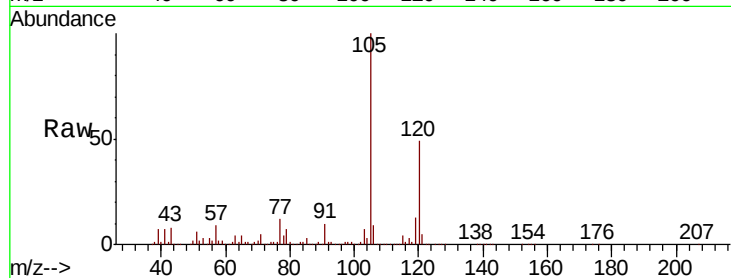
KY001SB104-121218(18-20)ME

Tot Ion: 91 Resp: 232387

Ion Ratio Lower Upper

91 100

126 0.5 17.3 51.7#



#83

tert-Butylbenzene

Concen: 20.845 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.04 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

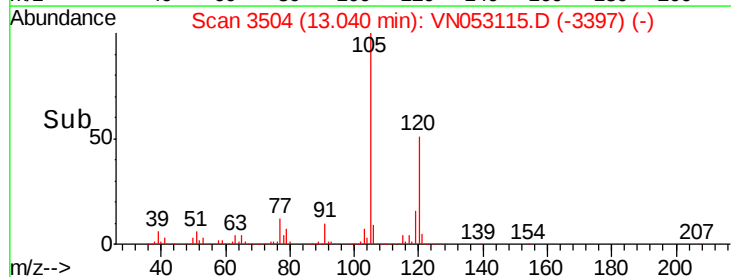
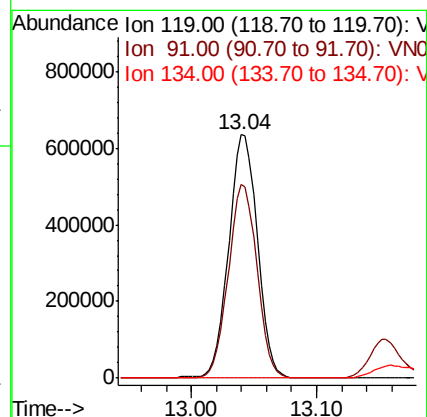
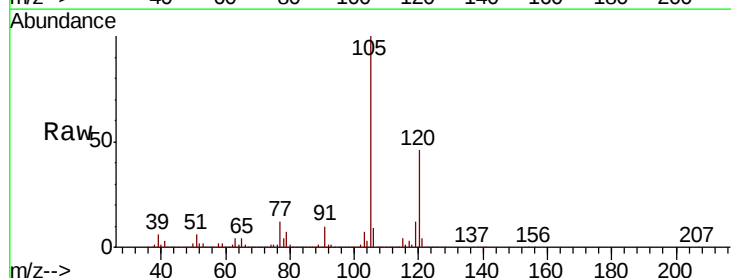
Tgt Ion: 119 Resp: 1008873

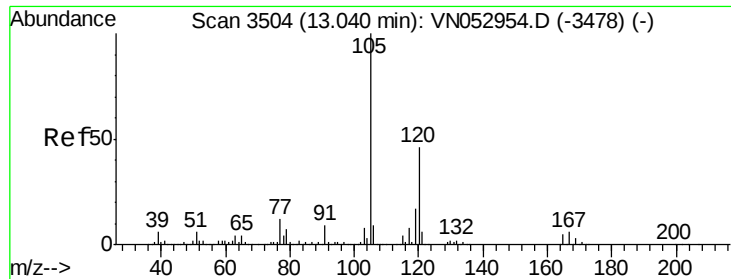
Ion Ratio Lower Upper

119 100

91 79.3 31.9 95.5

134 0.0 12.8 38.4#





#84

1,2,4-Trimethylbenzene

Concen: 148.007 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

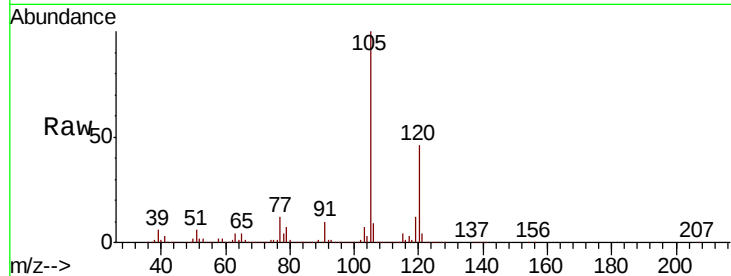
KY001SB104-121218(18-20)ME

Tot Ion:105 Resp: 8142234

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

6000000 Ion 120.00 (119.70 to 120.70): V

5000000

4000000

3000000

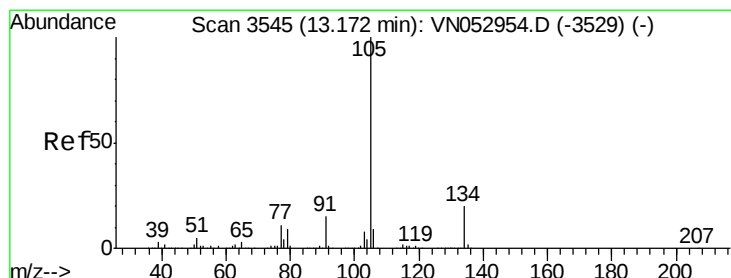
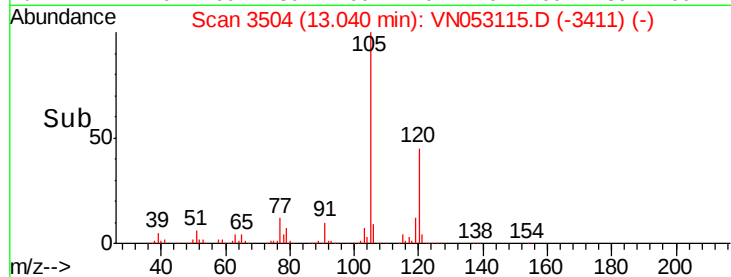
2000000

1000000

0

13.00 13.10

Time-->



#85

sec-Butylbenzene

Concen: 124.379 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN053115.D

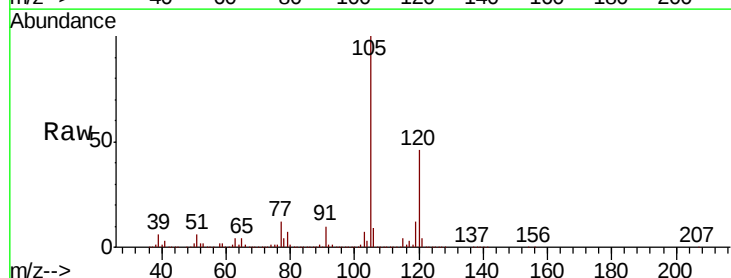
Acq: 21 Dec 2018 21:09

Tgt Ion:105 Resp: 8142234

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

6000000 Ion 134.00 (133.70 to 134.70): V

5000000

4000000

3000000

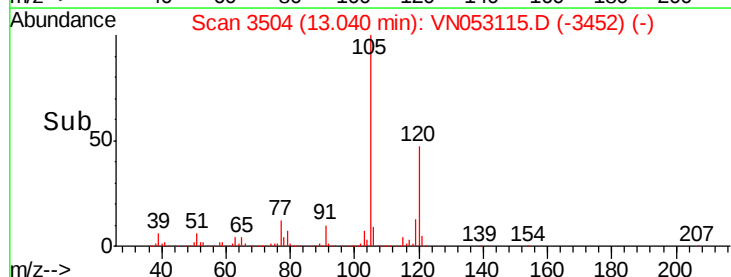
2000000

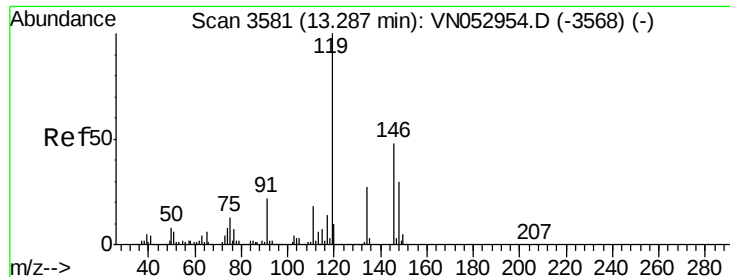
1000000

0

13.00 13.10

Time-->

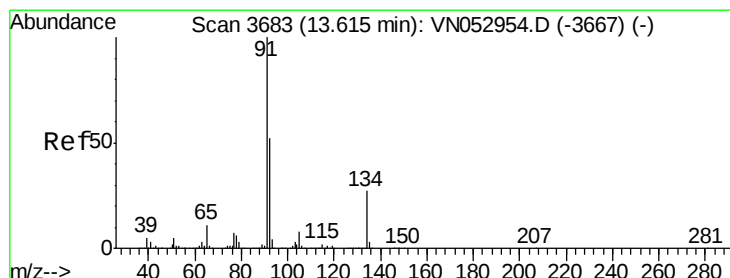
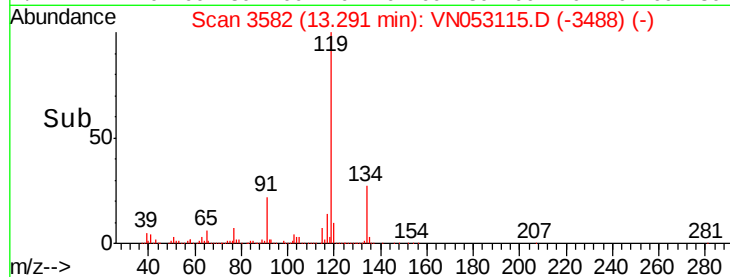
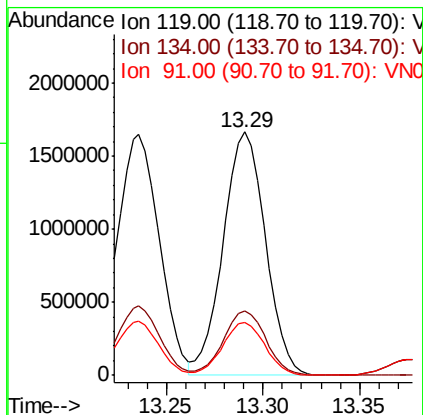
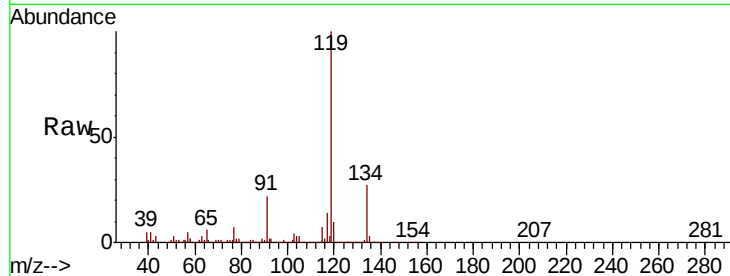




#86
p-Isopropyltoluene
Concen: 44.690 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

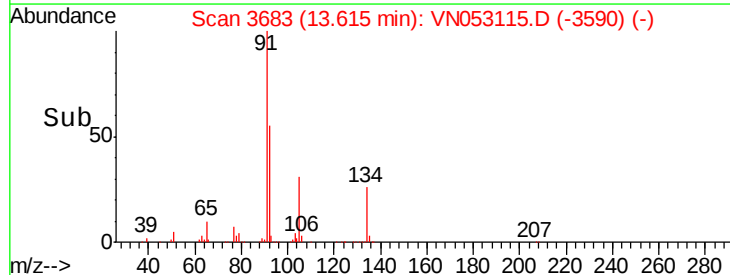
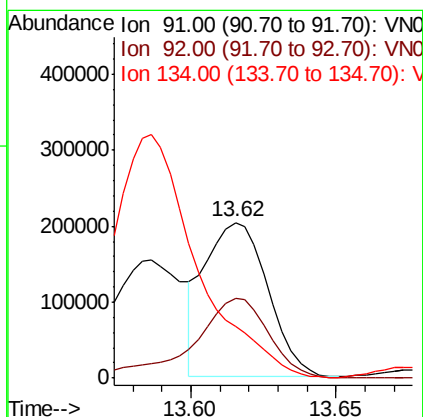
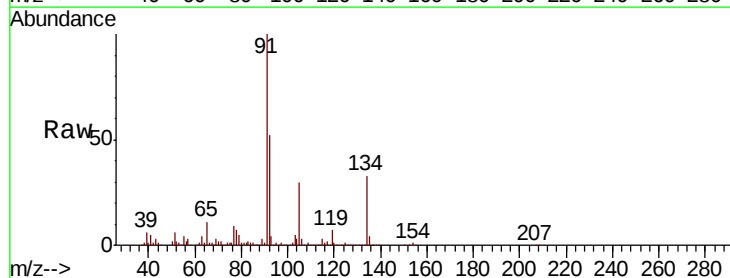
Instrument :
MSVOA_N
ClientSampleId :
KY001SB104-121218(18-20)ME

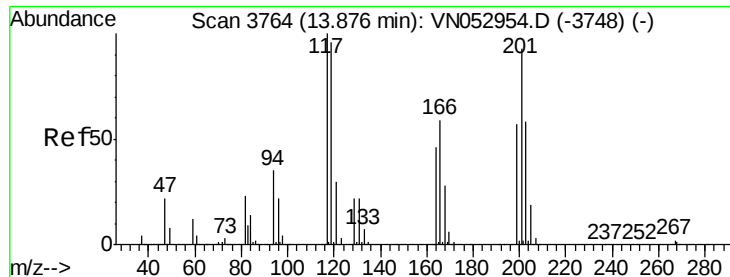
Tot Ion:119 Resp: 2527921
Ion Ratio Lower Upper
119 100
134 26.6 13.4 40.2
91 21.8 11.1 33.3



#89
n-Butylbenzene
Concen: 6.263 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053115.D
Acq: 21 Dec 2018 21:09

Tgt Ion: 91 Resp: 304801
Ion Ratio Lower Upper
91 100
92 61.8 26.3 78.9
134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 12.623 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

Instrument :

MSVOA_N

ClientSampleId :

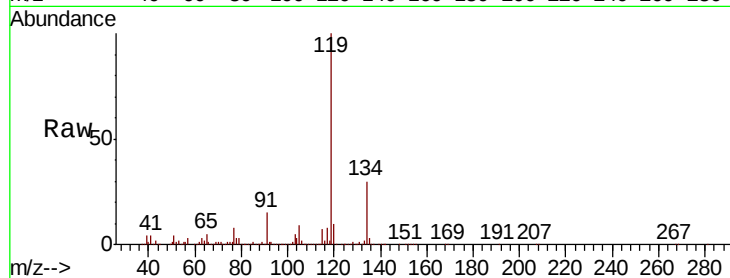
KY001SB104-121218(18-20)ME

Tot Ion:117 Resp: 109577

Ion Ratio Lower Upper

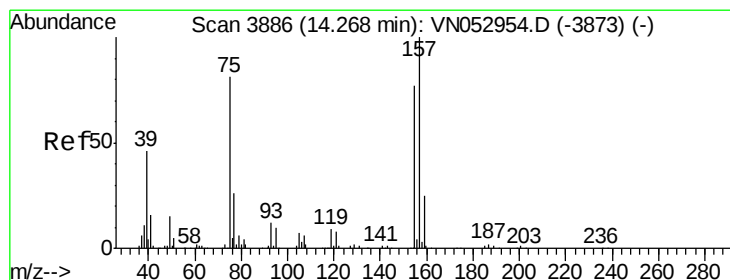
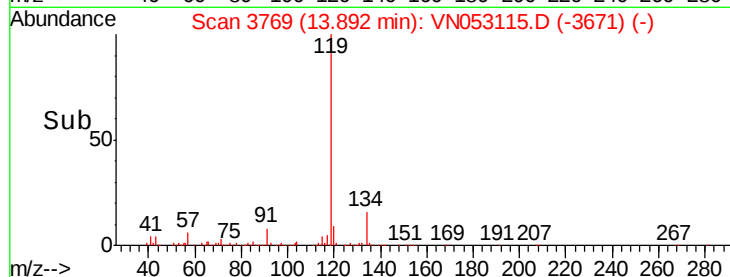
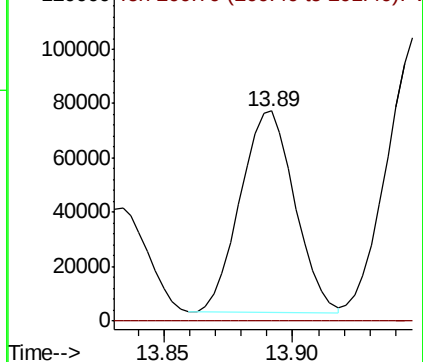
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.020 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053115.D

Acq: 21 Dec 2018 21:09

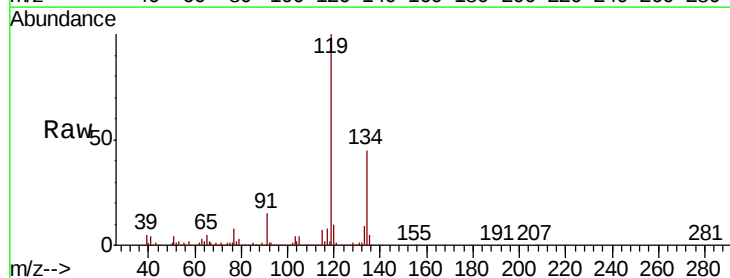
Tgt Ion: 75 Resp: 6877

Ion Ratio Lower Upper

75 100

155 13.2 48.2 144.6#

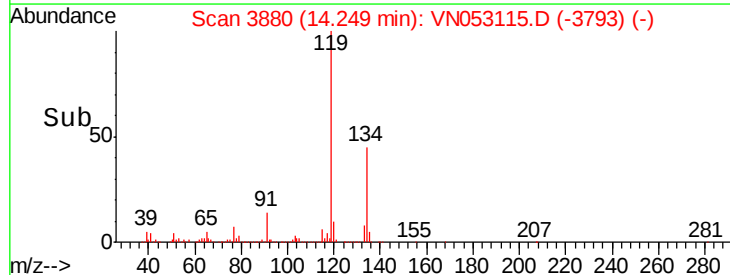
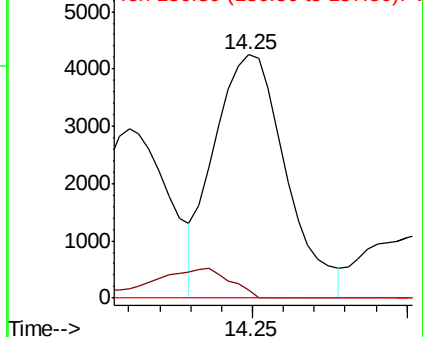
157 0.0 61.2 183.5#

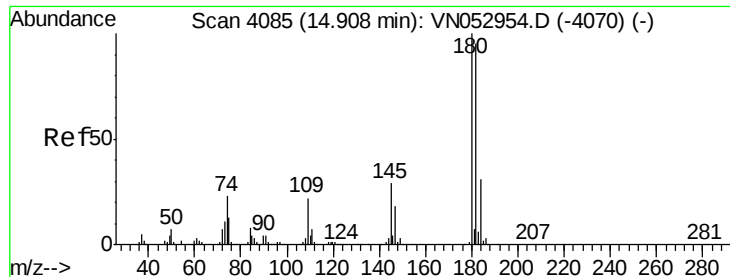


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

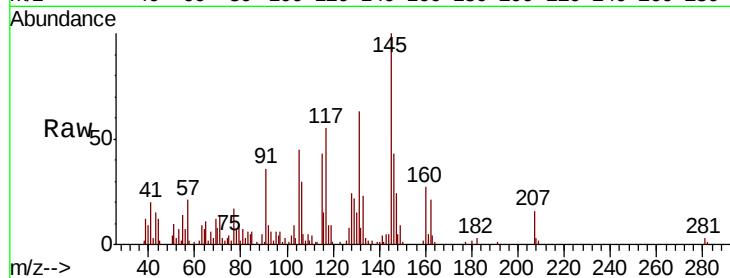




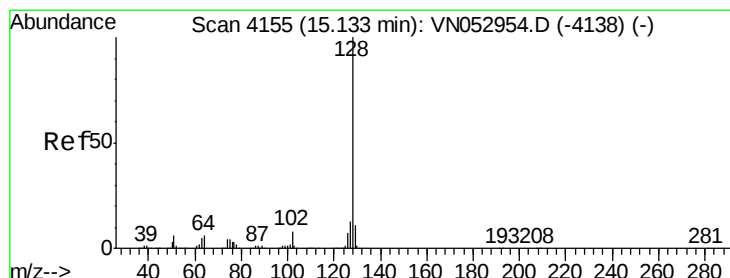
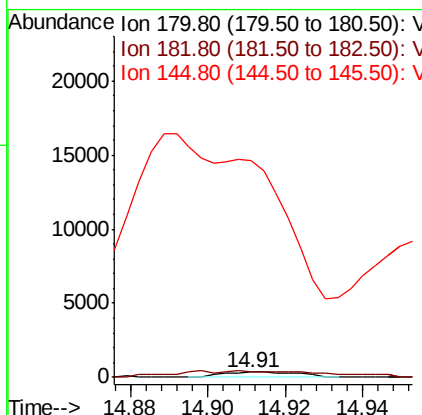
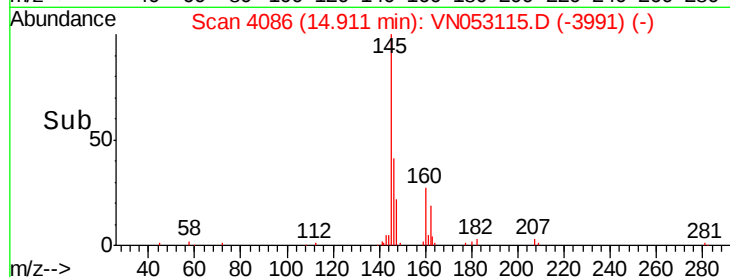
#93
 1,2,4-Trichlorobenzene
 Concen: 0.627 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB104-121218(18-20)ME

Tot Ion:180 Resp: 481
 Ion Ratio Lower Upper
 180 100
 182 79.6 47.8 143.3
 145 8649.3 14.2 42.6#

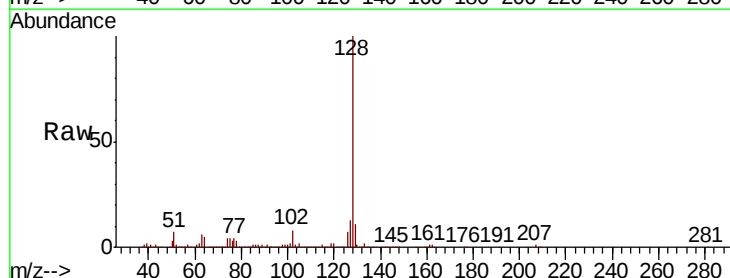


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

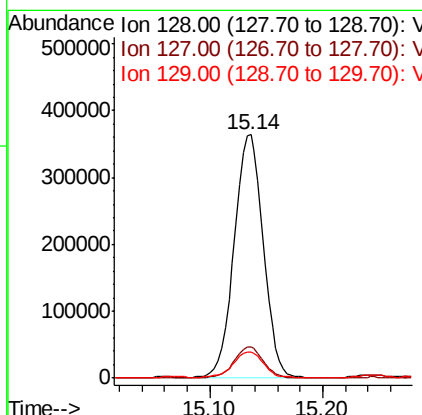
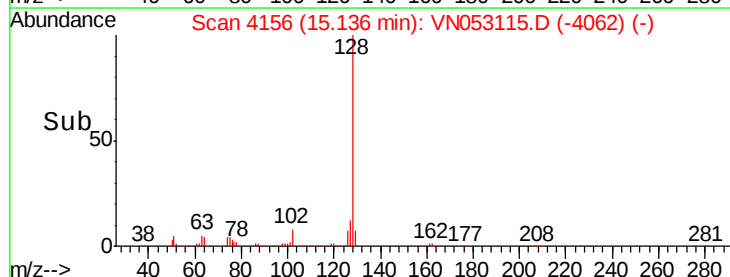


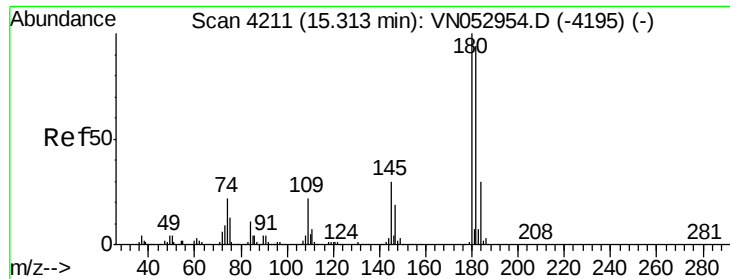
#95
 Naphthalene
 Concen: 19.927 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Tgt Ion:128 Resp: 648493
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.2 15.4
 129 11.4 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

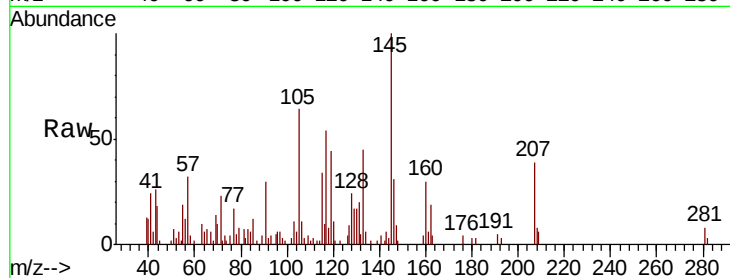




#96
 1,2,3-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053115.D
 Acq: 21 Dec 2018 21:09

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB104-121218(18-20)ME

Tot Ion:180 Resp: 226
 Ion Ratio Lower Upper
 180 100
 182 169.5 47.9 143.7#
 145 6672.6 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

